SITE CHARACTERIZATION AND REMEDIAL INVESTIGATION REPORT FOR SUN CHEMICAL CORPORATION 441 TOMPKINS AVENUE STATEN ISLAND, NEW YORK BLOCK 2846, LOTS 12 AND 54

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December 2007
Project No. 21-16443A

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Attachment C: CD-ROM with STL Laboratory Reports for the August-October 2006 Sampling Program

I. INTRODUCTION

A. Purpose and Scope

ENVIRON International Corporation (ENVIRON) has prepared this Site Characterization and Remedial Investigation Report (SCR/RIR) regarding the Sun Chemical Corporation ("Sun Chemical") facility located at 441 Tompkins Avenue in Staten Island, New York (the "Site", shown on Figure 1) to present the results of recent soil and ground water sampling conducted at the Site. Sun Chemical conducted this voluntary investigation of the Site in August-October 2006 to evaluate future development and remediation options for the Site following the anticipated cease of operations at the Site. The scope of these investigations was based on a comprehensive review of historic industrial operations and other Site activities that may have resulted in adverse environmental impacts. Appropriate soil and ground water samples were obtained in those areas to characterize the nature and extent of any associated contamination.

The SCR/RIR presented herein was implemented in accordance with the December 2002 New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Draft *Technical Guidance for Site Investigation and Remediation*, also known as DER-10.

The remainder of this section provides pertinent information regarding the basis for completing the remedial investigation and planned Site redevelopment. Section II of this report discusses the history of Site ownership and operation, and the nature and scope of prior investigations of the property. Section III discusses the areas of concern (AOCs) identified at the Site and the recent sampling completed in those AOCs.

II. SITE CHARACTERIZATION: INDUSTRIAL OPERATIONS, SITE HISTORY AND PRIOR SITE INVESTIGATIONS

A. Introduction

In accordance with Section 3.1.1(a) of DER-10, Sun Chemical and ENVIRON completed a detailed records search, including interviews with current and former Sun Chemical to develop a history of manufacturing operations and locations of the handling, storage and potential release of hazardous substances, as needed to identify potentially contaminated AOCs at the Site. As discussed in detail in Section III of this report, in August 2006, ENVIRON conducted field characterization and remedial investigation activities based on information gathered during this records search. The remainder of this section discusses the findings of the records search, including: (1) current and historical industrial operations, (2) the history of Site ownership and development; and (3) prior Site evaluations.

B. Current and Historic Industrial Operations

Based on interviews with current and former Sun Chemical employees, ENVIRON determined that the Site has continuously operated for the production of pigments for the printing and cosmetics industries since development of the property for industrial purposes in 1907. Sun Chemical has operated the Site since 1957, primarily producing red pigments, but also lesser quantities of blue, yellow and green pigments, in portions of the facility designated as the Red and Blue Wings (see Figure 2). Although the specific nature of the pigments manufactured by Sun Chemical has changed over time, the overall production processes have remained relatively constant. Specific details regarding pigment manufacturing processes of prior Site owners and operators is not available but based on information regarding raw materials stored on-Site available from historical resources (e.g., Sanborn Fire Insurance maps), Sun Chemical believes that the basic processes employed at the Site prior to 1957 are comparable to those conducted more recently, with the use of inorganic pigments (e.g., lead chromate) considered likely.

Sun Chemical produces pigments as pH-buffered aqueous slurries through the reaction of organic and non-toxic inorganic pigments, such as barium, in an acidic or basic solution depending on the pigment. Raw materials are kept in plastic and plastic-lined paper bags stored in several areas of the main building. Acids and caustic solution are stored in aboveground storage tanks located adjacent to the building, as shown on Figure 2. These operations are conducted in various aboveground tanks/reactors located in the Red Wing and Blue Wing of the main manufacturing building (see the detailed interior plan provided as Figure 2). At completion of the reaction, the resulting pigment slurry is drained via gravity to one of 19 filter presses on

the ground floor that remove the majority of the free liquid by mechanical pressure. The resulting wastewater, which may be either acidic or basic depending on the specific pigment being produced, is treated via pH adjustment in an on-Site wastewater treatment plant prior to discharge to the Port Richmond Wastewater Treatment Plan under a permit issued by the New York City Department of Environmental Protection. The wet pigment cake is removed to a cart and taken to an oven for drying. The dried pigment cake is then ground to a fine powder, and placed in bags or plastic-lined fiber drums prior to shipment to customers. According to Sun Chemical personnel, other than the 1988 release of caustic solution, described in detail below in Section II.C, there have been no significant releases of hazardous substances at the Site. During drain maintenance, Sun Chemical identified evidence of leaks from the industrial wastewater system beneath the Red and Blue Wings. These areas were evaluated through interior soil sampling completed in AOC 16, as discussed in detail in Section III.

C. Site History

ENVIRON, on behalf of Sun Chemical, completed a diligent evaluation of the history of Site development, industrial operations and activities based on the ownership and operational history of the Site. This evaluation was conducted consistent with DER-10 and was also in general conformance with the scope and limitations of ASTM International's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E-1527-05 (the "ASTM Standard"). Accordingly, ENVIRON reviewed historical Site information, including that available electronically from Environmental Data Resources, Inc. (EDR). The specific resources reviewed by ENVIRON include:

- Deeds for the property.
- Sanborn Fire Insurance maps from 1898, 1917, 1937, 1950, 1962, 1977, 1981, 1983 and 1986 though 1996.
- City Directory abstracts from 1928, 1934, 1960, 1965, 1970, 1979, 1984, 1990 and 2000.
- Aerial photographs from 1954, 1966, 1975, 1984 and 1995.
- A search of available federal, state and local database records for information regarding historical releases, spills and underground storage tank (UST) issues.

ENVIRON also requested, and when available reviewed, Site-related files from the New York City Department of Health and Building Departments, as well as the New York Fire Department. Available records did not provide information specific to issues of potential environmental concern at the Site. Last, ENVIRON interviewed long-term Sun Chemical employees regarding historical raw material, waste and wastewater handling practices. These interviews provided information relevant to the understanding of the handling of industrial wastewater and the locations of former releases.

Based on these resources, ENVIRON has developed the following Site history. The 5.3-acre property comprises three tax lots in Tax Block 2846, including: (1) Lot 12, is a 4.7-acre lot comprising the majority of the property and the land on which manufacturing operations have occurred; (2) Lot 54, the 0.5-acre lot designated in tax records as 88 Chestnut Avenue, is located east of Lot 12 and formerly a portion of a passenger and freight railroad; and (3) Lot 314, is a small lot less than 0.1 acre in size that has been zoned and used for residential purposes since its development in the 19th century. For purposes of this summary of Site history, references are provided relative to these specific lots as appropriate. Significant historical Site features are shown in blue on Plate 1. Figures 2 through 8 provide enlargements of the Site and immediately surrounding properties based on Sanborn Fire Insurance maps from 1898, 1917, 1937, 1950, 1962, 1977 and 1986. Other Sanborn maps, from 1981, 1983 and after 1986, provide identical information as the 1986 map and are therefore not included.

1898 (Sanborn Map)

Lot 12 appears to consist of three parcels. The western parcel, at the corner of Chestnut and Tompkins Avenues, is the Site of a pavilion. The Caprera Hotel is located on the central parcel, along Chestnut Avenue. A shooting gallery and adjoining shelter are shown at the southern (rear) end of this parcel. The largest parcel, which fronts Chestnut and Tompkins Avenues, as well as the Staten Island Metro Transit railroad (the future location of Lot 54) to the west, is undeveloped with an embankment shown in the northeastern corner. Lot 314, being the rear portion of 327 St. Mary's Avenue, and showing a residential property with a single-family dwelling fronting St. Mary's Avenue, does not yet exist

1907-8 (Sun Chemical and 1917 Sanborn Map)

Lot 12 was acquired by the G. Siegle & Co. Color Works (Siegle). Siegle constructed a pigment production facility, which appears to have been in operation as of 1908.

1917 (Sanborn Map)

Lot 12 is shown as a single parcel that has been developed as the G. Siegle & Co. Color Works (built 1908), with two dwellings and five auxiliary buildings also on-Site. A two-wing production building is present, although additions to the west and south have not yet been constructed. A coal pile is shown at the southeastern corner of the Site (furnaces were presumably coal-fired at this time). Interior features include two precipitation and drying/grinding areas. Exterior features include a furnace, a pool (aboveground water storage feature for fire protection) and a supply storage area along the southern perimeter. No specific chemical or hazardous materials storage locations are shown. Lot 54 is the Staten Island Rail Transport Railway, with a single rail spur entering Lot 12 along its eastern perimeter and extending to the northeastern corner of the Site. The future location of Lot

314 is unchanged, although addresses along St. Mary's Avenue have changed. This parcel is shown as #91, with the house divided into a twin dwelling.

1928 (City Directory)

According to New York Telephone records, two residences were located at the current Site address. This is consistent with the two dwellings shown on the 1917 and 1937 Sanborn maps.

1937 (Sanborn Map)

The facility located on Lot 12 is designated as The Ansbacher-Siegle Corp., manufacturers of dry colors. The main building is shown on Lot 12 as is the southern of the two dwellings shown on the 1917 map. The main building has been expanded, particularly around the north wing, extending over a portion of the rail spur entering the property from the south. A number of additional features are evident, suggesting expansion of industrial activities. For example, a relatively small one-story addition has been constructed on the western end of the main building. Individual blue pulp, bichromate and acid tank storage areas (number of tanks not specified) abut the southern side of the main building. In addition, a chrysophenine plant has been constructed along the southern property line, at the location of the former supply storage area noted on the 1917 Sanborn map. Chrysophenine (4,4'-diaminostilbene-2,2'-disulfonic acid or DSD acid), is a yellow pigment or a fluorescent whitening agent (current application). A miscellaneous materials storage area is adjacent to and west of the chrysophenine plant. Two greenhouses are also located on-Site, one adjacent to the miscellaneous materials storage area and the other further to the east behind an automobile garage associated with the dwelling at the southwestern property corner. The pool has been replaced by a 100,000-gallon reservoir. A boiler room is shown to the rear of the Site with a notation that it was constructed in 1908 (it was not shown on the 1917 map). The coal pile is absent. Lots 54 and future lot 314 are unchanged.

1950 (Sanborn Map)

The Lot 12 parcel is still shown as The Ansbacher-Siegle Corp., manufacturers of dry colors. There are four primary changes to this lot evident since the 1937 map was prepared. First, the small one-story western addition has been replaced by a larger two-story addition (built in 1942) housing color tanks. Second, two underground fuel oil storage tanks (size not specified) are shown at the southeastern property corner, the former coal pile location. Third, the chrysophenine plant has been removed; a machine and carpentry shop with attached office is now shown at that location. A four-section storage building has also been built to the east (rear) of the carpentry shop. A dust collector is shown directly east of the portion of the building that connects the two wings. Last, two additional structures are

located proximate to the automobile garage (uses unspecified). Although Lot 54 is unchanged, the Rosebank Passenger Station for the railroad is now evident at the eastern terminus of St. Mary's Avenue, adjacent to Lot 54. The residences at 91 and 95 St. Mary's Avenue, both of which had fronted the street, are absent and the property lines for these lots are now set back from the road. These properties appear to have been reconfigured as part of the passenger rail station construction. Lot 314 appears to now on the map.

1954 (Aerial Photograph)

The northwestern corner of Lot 12 appears wooded with a single dwelling. The remainder of the Site (all three lots) appears largely as it did on the 1950 Sanborn map with the exception of disturbed ground along the western side of the plant, likely from on-going construction of building additions which were finished in 1955 (see entry for 1962 Sanborn map). No areas of significant exterior storage are evident. Given the small scale of this photograph and the relatively close spacing of the buildings, the aboveground storage tank areas are not visible. A railroad is present on Lot 54. No activity is discernible on Lot 314.

1957 (Deed)

The Ansbacher-Siegle Corporation sold Lot 12 to Sun Chemical on December 1, 1957. Sun Chemical also acquired Lot 314 on that date, although the identity of the prior owner is not available.

1962 (Sanborn Map)

Lot 12 remains as The Ansbacher-Siegle Corp., manufacturers of dry colors. There have been four significant changes to the property configuration since 1950. First, an L-shaped, three-part addition was built in 1955 on the western end of the main building, connecting the northern and southern wings. The largest section of the addition is designated for manufacturing. Second, the residential property at the corner of Chestnut and Tompkins Avenue has been partially converted to an office. A warehouse building with 2nd-floor office space has been constructed between that dwelling and Tompkins Avenue. Third, two free-standing acid tanks have been installed near the northwestern corner of the main building (the blue pulp, dichromate and acid tanks are shown as remaining). Last, all four of the auxiliary buildings between the other dwelling (which fronts Tompkins Avenue) and the machine and carpentry shop have been demolished. Lots 54 and 314 are unchanged since the 1950 map.

1965 (City Directory)

According to New York Telephone Company records, there are two listings related to Sun Chemical for 92 Chestnut Avenue, an address which Sanborn maps of this vintage indicate

as being located at the northeast corner of the Sun Chemical Site. These listings include "Ansbacher Siegle Div of Sun Chemcl Corp Colrs" and "Sun Chemcl Corp". However, there are no listings for 1965 for the current facility address. In addition, there were no subsequent City Directory listings for 92 Chestnut Avenue.

1966 (Aerial photograph)
Lot 12 of the Site appears largely the same as on the 1962 Sanborn map. A relatively large storage area is located between the northern side of the warehouse and Chestnut Avenue. The materials are staged in orderly rows suggesting that they include pallets of drums, bags, raw materials and/or finished goods. There also appears to be miscellaneous storage of materials along the southern fenceline, an area which GZA designated as the "drum and bag storage area" by GZA in a July 2000 Preliminary Site Assessment Work Plan it prepared for NYSDEC (discussed below). No stained areas are apparent.

1970 and 1975 (City Directory)
The current Site address is listed in New York Telephone records under "Sun Chemcl Corp Pigmts Dept".

1975 (Aerial photograph)
The dwelling on Lot 12 immediately east of the warehouse has been removed and another feature, slightly larger than the footprint of the former dwelling, appears to be under construction. Much of the outdoor storage of materials north of the warehouse appears to be gone; only several trucks are present. There continues to be storage of miscellaneous materials along the southern fenceline; no stained ground is apparent. The remainder of the Site appears unchanged since 1966.

1977 (Sanborn Map)
The office/dwelling structure has been removed as have the blue pulp, dichromate and acid tanks along the southern side of the main building. There have been no other significant changes to the three lots at the Site.

1979 (City Directory)
The current Site address, with the street name compressed to "Tmpkns Ave", is listed in New York Telephone records under "Sun Chemcl Corp Pigmts Dept".

1981, 1983 and 1986 through 1996 (Sanborn Maps)
There are no significant changes to the facility noted to any of the three lots on these 13 maps. The property owner is shown as Sun Chemical Corp. beginning in 1986. The only

structural change at the Site shown on these maps is the addition of a pump house and garage west of the machine and carpentry shop on the 1996 map.

1984 (Deed)
Sun Chemical acquired Lot 54 on June 19, 1984 from Staten-Island South Beach, Inc.

1984 (City Directory)
The Site address, with the street name compressed to "Tmpkns Ave", is listed in New York Telephone records under "Sun Chemcl Corp Pigmts Dept".

1984 (Aerial photograph)
Although materials storage is evident near the warehouse and the southern fenceline, the small scale of this photograph does not enable the nature of those materials to be identified.

1986 (Deed)
On December 31, 1986, Sun Chemical was acquired by SUN/DIC Acquisition Corporation, the current owner of Lots 12, 54 and 314.

1990 (City Directory)
The Site address, with the street name compressed to "Tmpkns Ave", is listed in NYNEX Information Resource Company records under "Sun Chemcl Corp Pigmts Dept".

1993 (Database Search)
Two 25,000-gallon fuel oil USTs were removed. The records indicate that the tanks were installed in 1946 and formerly held No. 5 or No. 6 fuel oil. A 10,000 UST was then reportedly installed in approximately 1993 for No. 2 fuel oil storage. (This tank, actually an aboveground storage tank within a secondary containment structure, remains on-Site.)

1995 (City Directory)
The Site address is listed in NYNEX records under "Sun Chemcl Corp Pigmts Dept".

1995 (Aerial photograph)
Relatively large material storage areas are evident east of the warehouse and west of the machine and carpentry shop. The warehouse storage location (which is asphalt-paved) is still used for the staging of bagged finished product and other materials. A vehicle/forklift track encircles the warehouse storage area.

D. Prior Site Evaluations

Several evaluations were completed at the Site prior to the recent Site assessment, as summarized below under the following subheadings: (1) summary of 1988 soils investigation; (2) summary of the 1994 study by NYSDEC; and (3) summary of the 2001 Preliminary Site Assessment.

1. Summary of 1988 Soil Investigation

Based on internal Sun Chemical documentation, discussions with Sun Chemical personnel and correspondence between Sun Chemical and regulatory agencies, on February 17, 1988 a bulk raw material storage tank located near the southern property boundary was overfilled resulting in the discharge of approximately 545 gallons of a 25% sodium hydroxide solution to the exposed soil surface. The solution flowed from the Sun Chemical Site onto portions of the adjacent St. Joseph's Parochial School property, entering two storm drains connected to the school's combined sewer system. Sun Chemical retained OH Materials, Inc. as its emergency response contractor, and immediately initiated emergency response measures to contain the released caustic material and evaluate any environmental impacts from the release. Based on soil sampling completed at that time by OH Materials, the pH of the near-surface soils on the two properties was greater than 12, as was the water in the storm sewers. Accordingly, Sun excavated the impacted soils and cleaned the affected storm sewers. Subsequent soil sampling confirmed that elevated pH levels requiring response had been effectively addressed. The March 29, 1988 Technical Report (Preliminary) prepared by the New York Department of Environmental Protection Division of Hazardous Materials Programs (DHMP) and included herein in Attachment A indicates that personnel from the DHMP were involved at the time of the release and subsequent remediation, and that those personnel concluded that remediation of the release was completed in March 1988. This conclusion was confirmed by the City of New York Department of Environmental Protection in its April 14, 1988 letter to NYSDEC.

Sun Chemical subsequently constructed a concrete retaining wall along the common boundary between the Site and the school to minimize the potential for future drainage of storm water off-Site. During these construction activities, discolored soil was observed on the Sun Chemical property and accordingly, soil samples were collected (from unspecified depths but which are believed to be less than 3 feet). Soil samples were taken from one location within the trench dug to accommodate the retaining wall and from three nearby locations on the school property. These four samples were analyzed for RCRA characteristics and RCRA metals by the EP Toxicity method (EP Tox). Three additional soil samples were collected from one off-Site and two on-Site locations, and analyzed for a broader suite of parameters, including RCRA characteristics and RCRA metals by EP Tox,

total cyanide, total phenols, Priority Pollutant metals (PPMs)[1], TCL volatile organic compounds (VOCs), TCL pesticides and polychlorinated biphenyls (PCBs), and TCL semi-volatile organic compounds (SVOCs). These results were provided to the DEP by Sun Chemical in 1988 as part of the emergency response action.

Those data indicated that pesticides and acid extractable compounds were not detected. In addition, only three VOCs (acetone, methylene chloride and toluene) were detected, all at *de minimis* levels. Further, acetone and methylene chloride also were present in the laboratory method blanks, confirming that the presence of those constituents most likely resulted from laboratory contamination. Cyanide was detected but also not at significant concentrations. Lead, PCBs and one base/neutral extractable organic compound (BN), di-octyl phthalate, were detected at elevated concentrations and consequently, in the April 14, 1988 letter noted above, the DHMP referred further investigation of the Site to the NYSDEC. No additional investigation or remediation was required by DHMP. However, in 2006 additional soil sampling was completed in this area, as discussed below, including analyses for metals, PCBs and BNs.

2. Summary of 1994 Hazardous Substances Disposal Site Study by NYSDEC

In a December 28, 1994 letter to Sun Chemical (provided in Attachment B), NYSDEC indicated that it had begun a Hazardous Substances Disposal Site Study (the "Study"), noting that the Sun Chemical Site was included in an inventory NYSDEC had compiled of potentially contaminated Sites. Based on its review of the historical data from the Sun Chemical facility reviewed as part of the Study, NYSDEC identified the following three contaminants of concern (provided with maximum concentrations) in soil at the Site in a draft "Hazardous Substance Waste Disposal Site – Description" form: lead (3,020 ppm), bis(2-ethylhexyl)phthalate (BEHP) (400 ppm) and PCBs (15 ppm). These constituents were identified by Sun Chemical during its response activities related to the 1988 caustic solution release. As indicated in the preceding subsection, other parameters for which analyses were conducted in 1988 were either not detected or were identified at levels of potential concern to NYSDEC. Based on these data, NYSDEC included the Site on a list of 612 Sites identified by the Study.

Sun Chemical is not aware of any additional actions taken by NYSDEC related to this listing prior to NYSDEC's July 9, 1999 letter (see Attachment B) notifying Sun Chemical that the Department had completed a December 1, 1998 addendum and would conduct a Preliminary Site Assessment (PSA). (Sun Chemical received a comparable notice from NYSDEC dated February 16, 2000). NYSDEC contracted TAMS/GZA GeoEnvironmental of New York (TAMS/GZA) to prepare a PSA work plan (the TAMS/GZA Work Plan). An

[1] The PPMs include the following thirteen metals: antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium and zinc.

initial draft was completed for NYSDEC in July 1999 proposing Site-wide soil and ground water sampling at the Sun Chemical facility, rather than sampling targeted to the former caustic release location. That work plan was not implemented.

Concurrent with NYSDEC's involvement with the Site, Sun Chemical was in discussions with the Department regarding taking the lead in conducting the PSA. In a March 1, 2000 letter from Brown & Wood LLP (now Sidley Austin Brown & Wood LLP), Sun Chemical's outside counsel at that time, Sun Chemical indicated its preference for completing the PSA at its expense using an environmental consulting firm it retained. During an April 7, 2000 telephone conversation with ENVIRON, NYSDEC agreed that Sun could take the lead in completing a PSA specifically targeting the former caustic release area.

3. Preparation of 2001 Preliminary Site Assessment

Following the discussions with NYSDEC discussed in the preceding subsection, Sun Chemical retained ENVIRON to prepare a PSA Work Plan for submission to NYSDEC. ENVIRON submitted a PSA Work Plan to NYSDEC in April 2001 proposing soil sampling in the area of the Site and the adjoining school property that appeared to have been affected by the February 1988 caustic solution release. Based on comments received from NYSDEC in May 2001, ENVIRON updated the PSA and submitted a Revised PSA Work Plan to NYSDEC in August 2001.

The August 2001 Revised PSA Work Plan also documented the results of ENVIRON's July 2001 evaluation of the integrity of the floor beneath the pigment filter presses in response to NYSDEC's claims that the acidic and basic wastewaters released to the floor were hazardous waste. The intent of ENVIRON's inspections was to identify any areas of deterioration or damage to the interior concrete flooring through which filter press wastewaters could potentially impact underlying soils. The August 2001 Revised PSA Work Plan indicated that no such damage was observed.

The PSA Work Plan was not implemented, and there was no further interaction between ENVIRON and NYSDEC related to soil and ground water conditions on the Site.

III. SITE CHARACTERIZATION AND REMEDIAL INVESTIGATION: SOIL AND GROUND WATER SAMPLING PROGRAM

A. Overview

Based on the detailed review of historical documentation and discussions with Sun Chemical personnel, ENVIRON identified 15 AOCs warranting further evaluation. These AOCs, and the specific environmental concerns, are presented in Table 1. The Site characterization was completed in August 2006 to provide an initial understanding of soil quality at the Site. ENVIRON, on behalf of Sun Chemical, implemented a remedial investigation (RI) plan in October 2006 to provide additional data regarding the nature of soil and ground water quality at the Site. The RI sampling program was completed between August 28 and October 17, 2006. Analytical results of the sampling program are discussed by individual AOC below. Summary data tables are provided in Appendix B.

B. Overview of Sampling Program and Methodologies

SGS Environmental Drilling, Inc. of West Creek, New Jersey installed all monitoring wells at the Site using hollow-stem augers. SGS also completed the soil borings using direct-push techniques under the supervision of an ENVIRON geologist. At each soil boring, continuous soil cores were collected to enable logging of geologic conditions and screening of the soil cores with a photo-ionization detector (PID) to assist in determining whether there was evidence of impacted soils; no such impacts were observed. Soil boring logs, which provide soil classification information and field screening results, are provided in Appendix A. The summary data tables provided in Appendix B include the actual sampling locations, depths and analyses. All soil sampling locations are shown on Plate 1.

At each location, ENVIRON attempted to collect soil samples from the intervals most likely to have been adversely impacted by former industrial operations. For AOCs designated based on surficial activities (e.g., aboveground storage tanks or railroad tracks), sampling was targeted to the soil surface directly beneath the pavement. At certain locations, however, the presence of crushed stone bedding for the pavement or rocky soils precluded sampling at that interval. In those instances, ENVIRON therefore collected the soil sample from the uppermost soil interval encountered.

All downhole drilling and sampling equipment was decontaminated between uses. Downhole components including direct-push rods and core barrels, were decontaminated with an Alconox solution followed by a tap water rinse.

All soil samples were placed directly into laboratory-provided glassware and stored on ice in a cooler under appropriate chain-of-custody protocol. Samples were delivered to Severn Trent Laboratories (STL) (now TestAmerica, Inc.) of Edison, New Jersey, a New Jersey-certified laboratory, for all of the required analytical services. Given the potential for historic use of inorganic pigment, soil samples from each AOC were analyzed for Priority Pollutant metals (PPM) plus barium by the applicable USEPA 6010 and 7000 series methods. In addition, soil samples from certain AOCs were also analyzed for VOCs by USEPA Method 8260B, PCBs by USEPA Method 8080, TCL SVOCs by USEPA Method 8270C. Summarized soil data are provided in tables included as Appendix B. A CD-ROM provided as Attachment C provides the STL laboratory reports for the August-October 2006 sampling program.

As discussed in each of the following subsections, the SC and RI determined whether there was contamination associated with each AOC targeted for sampling, identified the constituents of concern associated with a given AOC, and evaluated the lateral and vertical extent of those impacts. Specific information regarding each AOC, and the associated analytical results, are discussed below.

C. Findings in Areas of Concern

1. AOC 1 – Former Shooting Gallery

AOC 1 is the location of a former shooting gallery, identified on the 1898 Sanborn Fire Insurance map for the Site. Although the predominantly residential character of adjacent property lots at that time suggested that live ammunition was not used at this shooting gallery. Nonetheless, Environ evaluated this area to determine if shooting activities resulted in impaired soil quality. ENVIRON advanced six borings in this AOC. The first two borings, B101 and B102, were completed in August 2006 for initial characterization and were advanced to a depth of 4 feet. Three soil samples were obtained from each location and analyzed for PPMs and barium. In addition, analyses for TCL VOCs were completed given to provide additional data regarding VOC conditions at the Site. Sun Chemical completed borings B103 through B106 in October 2006, collecting soil samples from each of these borings from one or two intervals. These samples were analyzed for PPMs plus barium. In addition, soil samples from boring B106 (from 1.5-2.0’ and 3.5-4.0’) were analyzed for SVOCs to assist in the characterization of this portion of the Site and adjacent AOC 14. The actual sampling depths and analyses are provided on the summary data tables included in Appendix B.

Notably, there was no visual evidence of ammunition at the borings. Analytical results of this sampling indicated that VOCs and SVOCs were generally not detected but when present, were typically identified at negligible concentrations well below 1 part per million.

Metals were detected; Appendix B provides the specific detected metals concentrations, as well as concentrations of the detected SVOCs and VOCs.

2. AOC 2 – Former Railroad Tracks at Eastern Parking Lot

AOC 2 is the location of the former Staten Island Rapid Transit railroad line, and the associated rail spur formerly servicing the Site. Sun Chemical removed these lines (including the rails and ties) in the 1980s to enable construction of the parking lot that now borders the eastern side of the facility. Soil samples were collected from AOC 2 from borings B201 through B204 and from MW5. Given concerns regarding impacts from historic loading/unloading operations, and constituents often associated with operating rail siding, soil samples from AOC 2 were analyzed for PPMs, barium and SVOCs. Soil samples from these borings were obtained from six-inch intervals generally at the soil surface (underlying the asphalt pavement) and from approximately 1.5-2.0'. In addition, a deeper sample was colleted from B202 (3.5-4.0'), B204 (2.0-2.5') and MW05 (3.5'4.0'). In addition, soil samples from boring B1606, completed east of the Red Wing (See below "AOC 16"), also provides data relevant to AOC 2. Soil samples were collected from B1606 at 2.0-2.5' and 3.5-4.0'.

There were scattered detections of polycyclic aromatic hydrocarbons (PAHs) at concentrations between 1 ppm and 10 ppm, generally in surface soils only. Other SVOCs were either not detected or were present at low concentrations typically less than 1 ppm. Metals were detected; Appendix B provides the specific detected metals concentrations, as well as concentrations of the detected SVOCs.

3. AOC 3 – Former Blue Pulp Aboveground Storage Tank South of Blue Wing

AOC 3 is the location of the former blue pulp aboveground storage tank south of the Blue Wing, evident on Sanborn Fire Insurance maps dating from 1937, 1950 and 1962. Soil boring B301 was completed in August 2006 directly south of the former tank location. The two soil samples from B301 (from 0.3-0.8' and 2.0-2.5') were analyzed for PPMs and barium. ENVIRON also completed boring B302 in October 2006 to the southwest of the former tank location, with one sample collected from 1.0-1.5' for PPM and barium analysis. Due to the existence of underground utility lines (particularly water and wastewater lines), as well as elevated concrete pads for current tanks, other locations proximate to the former tank area were not accessible. Appendix B provides the specific detected metals concentrations.

4. AOC 4 – Former Bichromate Aboveground Storage Tank South of Blue Wing

AOC 4 is the location of the former bichromate aboveground storage tank south of the Blue Wing. This tank is evident on Sanborn Fire Insurance maps dating from 1937, 1950

and 1962. Boring B401 was completed in August 2006, with a sample for PPM and barium analysis collected from 1.5-2.0'. ENVIRON also completed boring B402 in October 2006. Two soil samples were collected from B402 for PPM and barium analysis, including from 1.0-1.5' and 2.0-2.5'. Appendix B provides the specific detected metals concentrations.

5. AOC 5 – Former Acid Aboveground Storage Tank South of Blue Wing

AOC 5 is the location of the former acid aboveground storage tank south of the Blue Wing. This tank is evident on Sanborn Fire Insurance maps dating from 1937, 1950 and 1962. Although the information indicated that only acid was stored in this tank, rather than inorganic pigments, soil samples were collected from MW3 for PPM and barium analysis from 0.2-0.7' and 1.5-2.0'. Appendix B provides the specific detected metals concentrations.

6. AOC 6 – Former Acid Aboveground Storage Tanks South of Red Wing

AOC 6 is the location of the former acid aboveground storage tanks south of the Red Wing (the pad remains). These tanks are evident on Sanborn Fire Insurance maps dating from 1937, 1950 and 1962. ENVIRON completed boring B601 adjacent to the pad and collected a soil sample in August 2006 from 1.8-2.0 feet for PPM and barium analysis. Additional samples were collected proximate to B601 in October 2006 at borings B602 (2.0-.2.5') and B603 (1.0-1.5'). These samples were also analyzed for PPMs and barium. In addition, three other borings (B604, B605 and B606) were completed in the courtyard where AOC 6 is located. Soil sampling was completed at those borings to more broadly characterize soil quality associated with the former AST as well as to determine soil conditions in areas that were historically used for raw material and finished product handling and storage. Soil samples were collected from 1.5-2.0 feet at each location, as well as from 3.5-4.0' and 4.0-4.5' at B604. All of these soil samples were analyzed for PPM and barium, with the samples from B604 also analyzed for SVOCs. Other than negligible concentrations of bis(2-ethylhexyl phthalate), SVOCs were not detected. Appendix B provides the specific detected metals concentrations.

7. AOC 7 – Former Chrysophenine Plant

AOC 7 is the location of the former chrysophenine plant evident on the 1937 Sanborn Fire Insurance map. This structure was located along the southern property boundary, partially beneath the current locations of the machine and carpentry shop and the storage building to the east. ENVIRON completed three soil borings to evaluate soil conditions at the former chrysophenine plant, including borings B701 and B702 in August 2006, and boring B703 in October 2006. The first two borings were advanced to 4 feet, and soil samples collected from 0.5-1.0' and from a six-inch interval between 1 and 2 feet. These

samples were analyzed for TCL VOCs, PPM and barium. One soil sample was collected from Boring B703 (0.5-1.0') for PPM and barium analysis. VOCs were not detected in this AOC. Appendix B provides the specific detected metals concentrations.

8. AOC 8 – Former Southern Material Storage Area

AOC 8 is the location of the former southern material storage area, located east of current machine and carpentry shop. One boring, B801, was advanced in that area in August 2006. Two soil samples were collected from that boring from 0.5-1.0' and 2.0-2.5 feet for PPM and barium analysis. In addition, the deeper soil sample was also analyzed for TCL VOCs. No VOCs were detected. Appendix B provides the specific detected metals concentrations.

9. AOC 9 – Current Drum and Bag Storage Area

AOC 9 is the location of the current drum and bag storage area, including the rainwater and spill containment sump. A portion of this area also includes the location of two former caustic aboveground storage tanks. A total of five soil borings (B901 through B905) were completed in this AOC in August 2006. Two soil samples were collected from each boring, generally from the soil surface and a deeper interval between 2 and 3 feet below grade. These soil samples were analyzed for TCL VOCs, PPM and barium. VOCs were generally not detected, but where present, were identified at *de minimis* part-per-billion concentrations. Appendix B provides the specific detected metals concentrations.

10. AOC 10

AOC 10 consists of the wastewater conveyance components specifically associated with the six Blue Wing filter presses (Presses 1 through 6). As noted above, wastewater is mechanically removed from pigment slurries at these filter presses. The wastewater at the Blue Wing filter presses drains to a concrete floor (some epoxy-coated), with areas of overlying acid-resistant brick, and to trench drains located in front/north of the presses as well as behind/south of the units. These drains direct the wastewater to the on-Site wastewater treatment plant.

As part of its annual maintenance program at the facility, completed over a two-week period each July, Sun cleans, inspects and, if necessary, repairs the production-area floors, including floors beneath the filter presses. The goal of this annual maintenance program is to identify and mitigate any areas where the flooring may have become worn or damaged during the prior year. All damaged and/or worn areas, including floors beneath the filter presses, are then repaired (consistent with OSHA requirements [e.g., to address potential trip hazards] given that employees work in the areas beneath the presses). During each maintenance shutdown, most recently in July 2007, Sun Chemical also completes a thorough

cleaning of the floors using high-pressure water.

Based on ENVIRON's most recent inspection of flooring in the Blue Wing press area, there had been surficial wear to the concrete and acid brick flooring, including spalling and cracking. Physical inspections of those areas reveal that all wear appears to be superficial, not penetrating the floor . These observations were consistent with information provided by Sun Chemical indicating that there has been no significant damage identified to the flooring and trenches associated with the Blue Wing filter presses over time. As such, because there was no evidence of deterioration such that would enable releases of pigment liquids to the underlying soil, sampling was not performed at this AOC.

11. AOC 11

AOC 11 consists of the wastewater conveyance components specifically associated with the ten Red Wing filter presses (Presses 10, 51, and 54 through 61). Pigment slurries generated in the Red Wing are dewatered in these filter presses in the same manner as described above for the Blue Wing. The floor inspection processes were the same as described above for AOC 10 and, as with the Blue Wing, AOC 10, no significant damage to the flooring and trenches has been identified in the Red Wing filter press area and thus, any release of pigment liquids to the underlying soil was unlikely. Consequently, sampling was not performed at this AOC.

12. AOC 12 – Two Former 25,000-Gallon No. 6 Fuel Oil Underground Storage Tanks

AOC 12 is the location of the two former 25,000-gallon No. 6 fuel oil USTs near southeastern property corner. These tanks, and adjacent soils, were removed in 1993. Post-excavation soil samples were collected and petroleum constituents were not detected at levels of concern. Based on those analytical results, NYSDEC approved no further action (NFA) for the tank closures in 1994. In light of the prior soil findings and the Department's 1994 NFA approval, soil sampling was not necessary in this AOC. However, as discussed below under "AOC13" and "Ground Water", soil and ground water sampling was completed immediately southeast and downgradient of this AOC for other purposes. That sampling did not identify UST-related contamination, supporting the prior NFA approval.

13. AOC 13 – Former Coal Pile

AOC 13 is the location of the former coal pile located at the southeastern property corner. This pile is evident on Sanborn Fire Insurance maps dating from 1917 and 1937, and was associated with the coal-fired boilers shown on those maps. The location of this pile largely coincides with footprint of AOC 12, the two former 25,000-gallon No. 6 fuel oil USTs. As discussed above under "AOC 12", these tanks and adjacent soils were remediated in 1993, and the excavation backfilled with certified clean fill. Given that potential impacts,

if any, associated with former coal storage would be present in surface soils, the UST remedial action described above in AOC 12, would have adequately addressed any coal pile-related contamination existing within the excavation boundary. Accordingly, ENVIRON targeted only one location, beyond the boundary of the UST excavation, for soil sampling to evaluate soil quality within the former coal pile storage area.

Boring B1301 was completed within the footprint of the former coal pile. Two soil samples were obtained from this boring (1.5-2.0', the interval below crushed stone fill underlying the asphalt pavement, and 3.5-4.0') and analyzed for TCL VOCs and SVOCS, PPMs and barium. VOCs were not detected, and while certain SVOCs were identified in both samples, the reported concentrations, with only one exception, were less than 1 ppm. Appendix B provides the specific detected metals and SVOC concentrations.

14. AOC 14 – Former Caustic Release Area

AOC 14 is the on-Site portion of the former caustic release area. As discussed above, available documentation regarding that release indicates that the regulatory authorities were satisfied with the remedial action undertaken to address the release. However, sampling related to contemporaneous excavation of soils in this area identified other constituents (i.e., lead, bis(2-ethylhexyl)phthalate and PCBs) most likely related to other industrial activities. Additional soil sampling was completed to evaluate the nature and extent of those and other constituents. Specifically, ENVIRON completed four soil borings in August 2006 (B1401 through B1404). Soil samples were collected from each boring for TCL SVOC, PCB, PPM and barium analyses. These samples were obtained from the soil surface, with a sample also obtained an underlying six-inch interval at each boring, except B1403. ENVIRON also completed seven borings in October 2006 (B1405 through B1411). As with the initial borings, soil samples were collected from two depths, including the soil surface and a deeper interval between 3.5 and 4.0 feet. These samples were analyzed for SVOCs, PCBs, PPMs and barium. In addition, the soil samples from B1407, the westernmost of the AOC 14 sampling points, were also analyzed for VOCs to provide broader Site coverage for VOC analyses.

Only trace VOC concentrations (part-per-billion- level) were detected at B1407. Analytical results from these locations indicated that SVOCs were generally not detected, but where present, were at relatively minor concentrations of less than 1 ppm. Concentrations of phthalates exceeding 1 ppm were identified at borings B1403, B1407 and B1408. PAH concentrations above 1 ppm were also reported at B1407 and B1408. PCBs were also identified in soils at borings B1401, B1402, B1403, B1408 and B1410. Appendix B provides the specific detected metals, SVOC and PCB concentrations.

15. AOC 15 – Current Aboveground Acid Storage Tanks

AOC 15 is the location of the current acid ASTs adjacent to the western end of the Blue Wing. Based on information indicating that during a prior excavation related to the installation of these tanks, discolored soils were observed, two soil borings, B1501 and B1502, were completed in this area in October 2006. Two soil samples were obtained from each boring and analyzed for PPMs and barium. Appendix B provides the specific detected metals concentrations.

16. AOC 16 – Wastewater System

AOC 16 is the underground piping associated with the facility wastewater system, this system is distinct from the drainage system components specifically associated with the filter presses (i.e., features discussed under AOCs 10 and 11). Based on discussions with Sun Chemical regarding the wastewater system, ENVIRON identified certain areas where given prior underground wastewater line repairs or replacement, there were concerns regarding potential leakage. Three such areas were identified and were targeted for sampling to evaluate soil conditions. That sampling consisted of completing six soil borings (B1601, and B1603 through B1607). These areas, and the borings completed therein, included: (1) the original main wastewater discharge line located north of the Red Wing (B1601); (2) trenches in the refrigeration area where water seeped into the underlying basement (B1603, B1606 and B1607); and (3) wastewater lines north of Presses 60 and 61 on the western end of the Red Wing (B1604 and B1605).

At each of these locations, soil samples were collected from two depths, typically 2.0-2.5' (the approximate depth of piping inverts) and 3.5-4.0', for PPM and barium analysis. Based on observations made of the soil cores, ENVIRON did not note evidence of wastewater leakage (e.g., stained soils). Appendix B provides the specific detected metals concentrations.

17. AOC 17 – Current Aboveground Fuel Oil Storage Tank

AOC 17 is the location of the current fuel oil AST installed in 1993. This tank is contained within a secondary containment enclosure. Sun Chemical is not aware of any releases or other issues of potential concern associated with this AST. Accordingly, soil sampling was not performed at this AOC.

However, as a means to confirm the integrity of the secondary containment enclosure, MW4 was installed directly southeast of this AOC to conduct ground water sampling. . The results of that sampling, discussed below in Section III.D., indicated that petroleum constituents were not present in ground water at MW4 and therefore there is no evidence of releases from the tank.

D. Ground Water

A total of eight monitoring wells were installed at the Site. Initially, as part of the August 2006 sampling program, assuming, based on the Site topography and location of nearby surface water bodies to which shallow ground water at the Site likely discharges, a southeasterly ground water flow direction, ENVIRON installed wells MWs 1 through 5, including MWs 1 and 5 at the presumed upgradient and downgradient corners of the Site, respectively, and MWs 2, 3 and 4 near the main building. These wells were completed to monitor the first saturated zone, which given the Site topography was encountered at depths ranging from approximately 10 feet at MW5 to 35 feet at MW3.

Ground water samples were collected from MWs 1, 4 and 5 for TCL VOC, PPM and barium analyses on September 11, 2006. There was not enough water present in MWs 2 and 3 to enable sampling at that time. Analytical results from this sampling round identified scattered detections of VOCs, as shown in Appendix B. These VOCs were primarily chlorinated VOCs (CVOCs), present both at upgradient well MW1 and at downgradient well MW4. No VOCs were detected at MW5. Metals were typically detected at only trace concentrations, as shown on Table 2 in Appendix B.

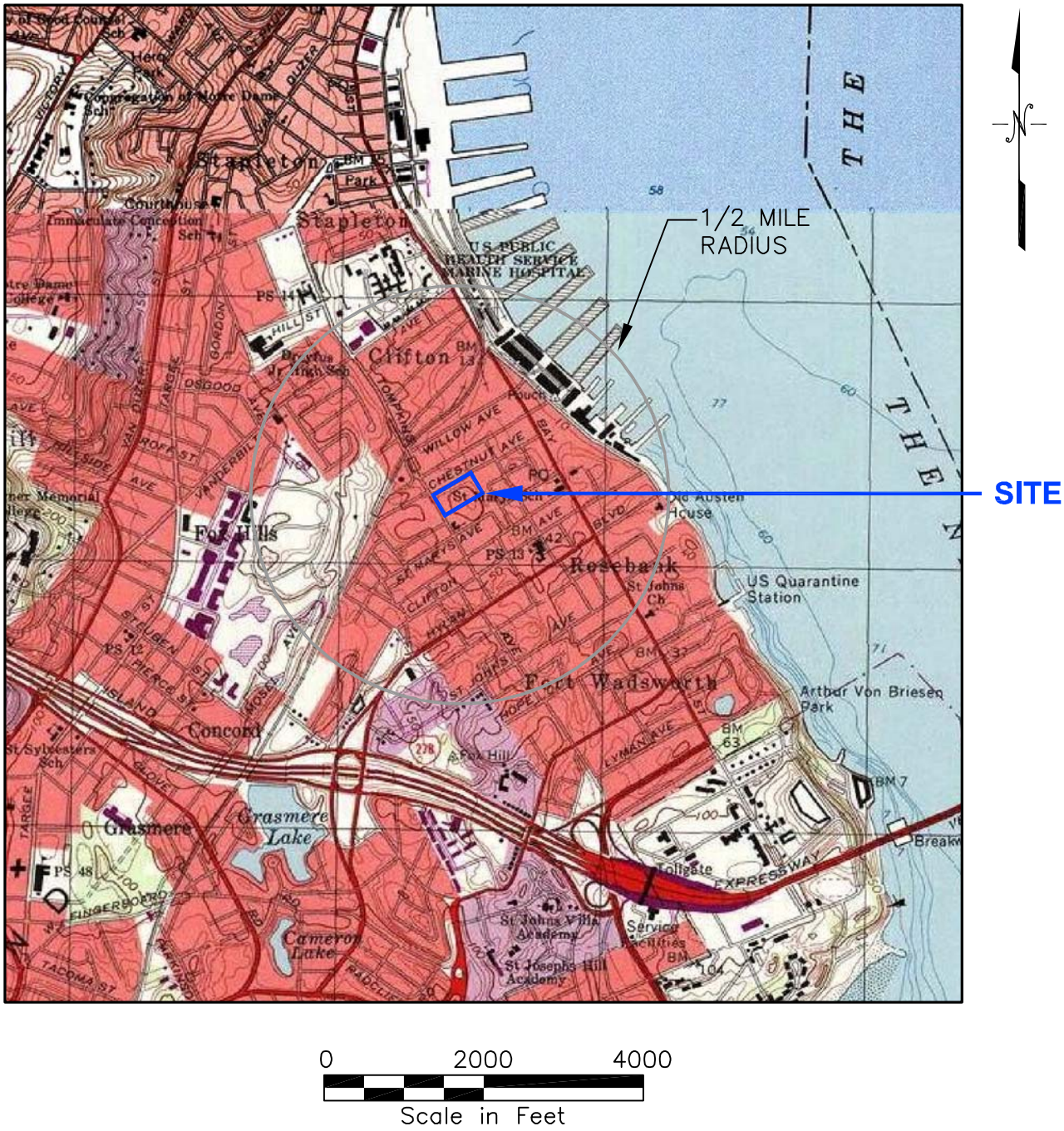
Based on these data, ENVIRON installed three additional wells, including MWs 6 and 7 at the southwestern and northeastern corners of the Site, respectively, to better understand ground water quality upgradient of the Site (MW6) and at the downgradient corner of the Site where a well had not yet been installed (MW7). In addition, because MW5 was screened above a peat layer and could monitor a perched water interval, ENVIRON installed a deeper well, MW5D at this location. That deeper well was installed as a double-cased well, and was drilled with mud rotary drilling techniques.

An additional ground water sampling round was completed on October 17, 2006 and including sampling at all eight wells for TCL VOCs, PPMs and barium. Only one metal, nickel, was present above Part 703 standards and at only one well, MW3. VOCs were not detected at MW6 and 7 but were identified at the other wells. The specific constituents included benzene and certain CVOCs at wells MWs 3 and 4, with lesser CVOC concentrations noted in MW5D. Because the CVOCs detected at the highest concentrations in the August and October 2006 samples were dichlorinated ethanes and ethenes, with the parent VOCs (e.g., trichloroethylene) largely degraded, it is likely that any release that may have resulted in the concentrations was not a recent event. As noted above, there was a Site-wide absence of any material VOC concentrations in soil, including at these wells, indicating that a residual soil source is likely not present. Table 2 in Appendix B provides summarized ground water quality data.

T A B L E

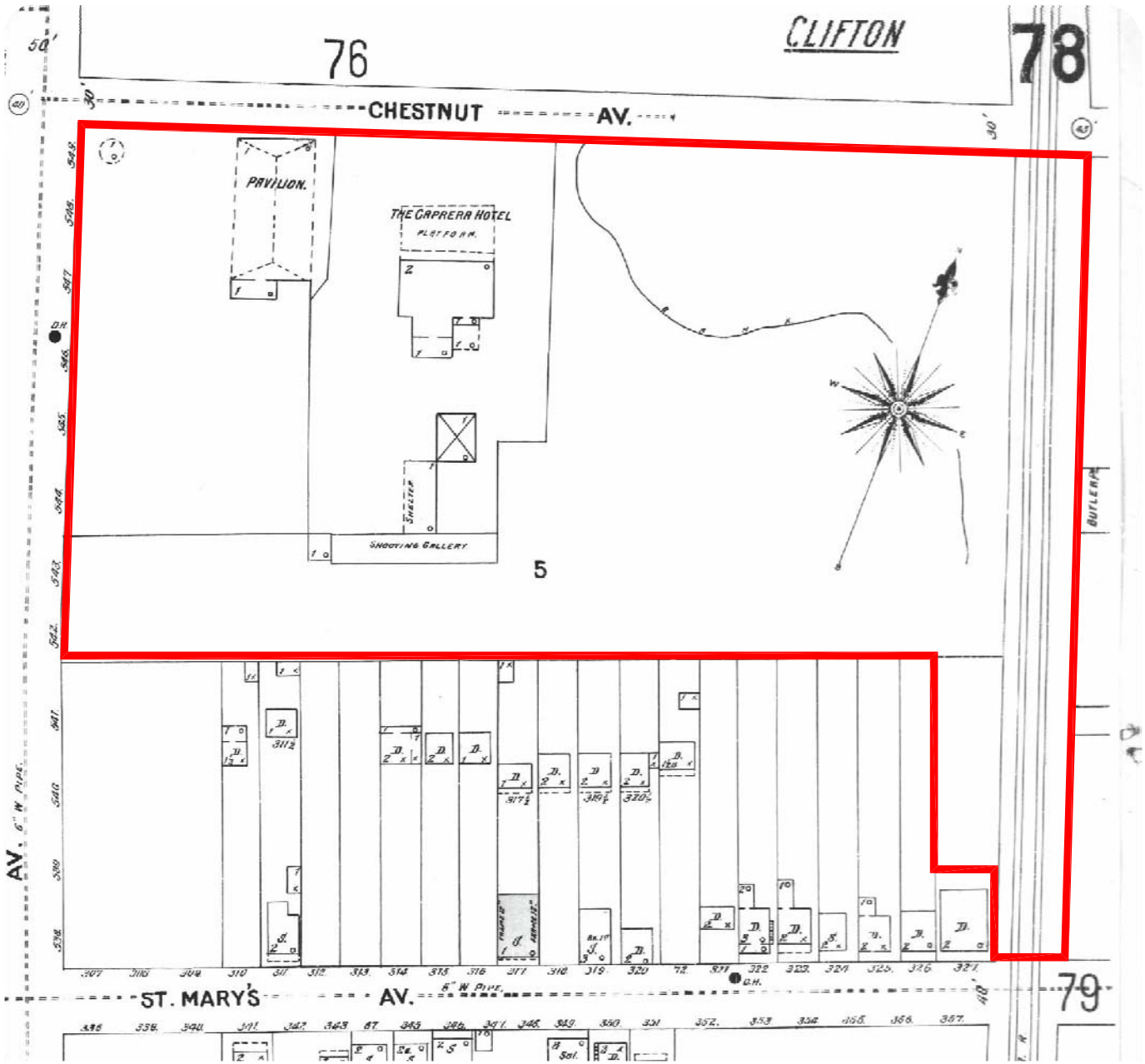
Table 1 Areas of Concern Sun Chemical Corporation, Staten Island, New York	
AOC	**Rationale and Potential Concerns**
AOC 1: Former shooting gallery	Potential residual metals impacts from ammunition (e.g., lead shot).
AOC 2: Former railroad tracks at eastern parking area	Potential impacts from loading and unloading operations, and general impacts associated with rail line activity.
AOC 3: Former blue pulp aboveground storage tank south of Blue Wing	Potential impacts from former liquid pigment storage.
AOC 4: Former bichromate aboveground storage tank south of Blue Wing	Potential impacts from former lead chromate pigment storage.
AOC 5: Former acid aboveground storage tank south of Blue Wing	Potential impacts from former acid storage.
AOC 6: Former acid aboveground storage tanks south of Red Wing	Potential impacts from former acid storage.
AOC 7: Former chrysophenine plant	Potential impacts from the former production of the pigment chrysophenine.
AOC 8: Former southern material storage area, located east of current machine and carpentry shop	Potential impacts from the former storage of raw materials and finished pigments.
AOC 9: Drum and bag storage area, including rainwater and spill containment sump. A portion of this area includes the location of two former caustic aboveground storage tanks.	Potential impacts from any releases of finished and/or off-spec pigment materials stored outside, and from any releases associated with the former caustic tank.
AOC 10: Underground wastewater conveyance components associated with the Blue Wing filter presses	Potential impacts to subsurface soils from any leaks of pigment-related materials from the wastewater system.
AOC 11: Underground wastewater conveyance components associated with the Red Wing filter presses	Potential impacts to subsurface soils from any leaks of pigment-related materials from the wastewater system.
AOC 12: Two former 25,000-gallon No. 6 fuel oil USTs near southeastern property corner	The NYSDEC approved no further action in 1994 for the tank removals such that additional sampling in this AOC was not considered necessary.
AOC 13: Former coal pile located at the southeastern property corner	Potential residual impacts from former coal storage, including PAHs and metals.
AOC 14: Former caustic release area (on-site only)	Further evaluation and delineation of concentrations of metals, PAHs and PCBs identified in soils following remediation of the 1988 incident.
AOC 15: Current aboveground acid storage tanks	Evaluation of discolored soils evident during excavation to install pads for these tanks
AOC 16: Wastewater system	Potential leakage in portions of the system.
AOC 17: Current aboveground fuel oil storage tank	Confirmation that the secondary containment at this tank has effectively precluded any petroleum impacts in the vicinity.

FIGURES



SOURCE: TOPO! MAP PRINTED ON 08/29/07 FROM "NORTHEASTERN.TPO" USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, THE NARROWS, NY–NJ. MAP VERSION 1998. MAP CURRENT AS OF 1998.

ENVIRON	SITE LOCATION MAP SUN CHEMICAL CORPORATION 441 TOMPKINS AVENUE STATEN ISLAND, NEW YORK	FIGURE 1
DRAFTED BY: CAD/TSP DATE: 12/4/07		21-16443AJ01



ENVIRON

DRAFTED BY: BJK / TSP | DATE: 12/12/07

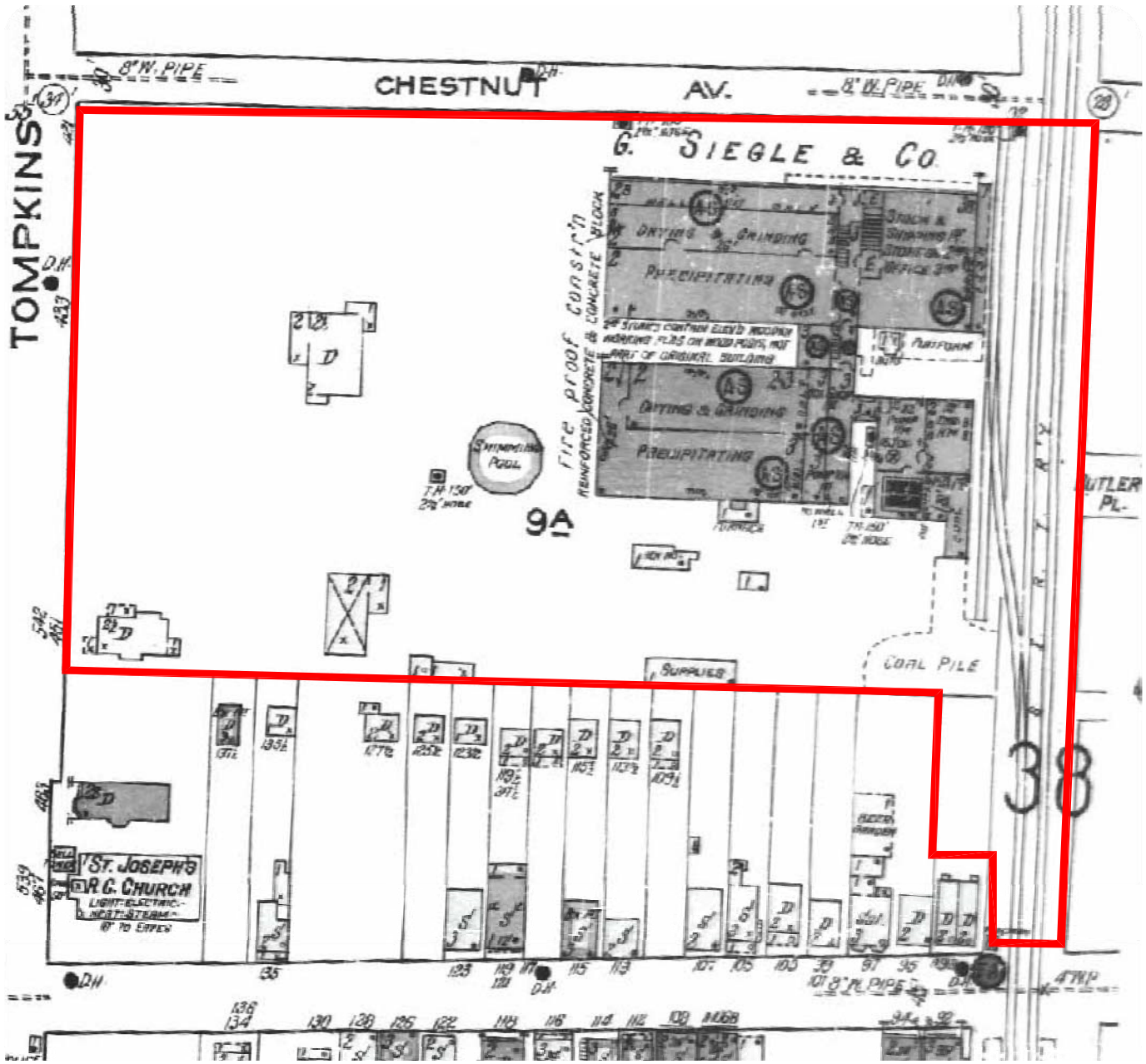
FACILITY LAYOUT ACCORDING TO 1898 SANBORN FIRE INSURANCE MAP

SUN CHEMICAL CORPORATION–ROSEBANK FACILITY

441 TOMPKINS AVE., STATEN ISLAND, NY

FIGURE 2

21-16443ASAN01



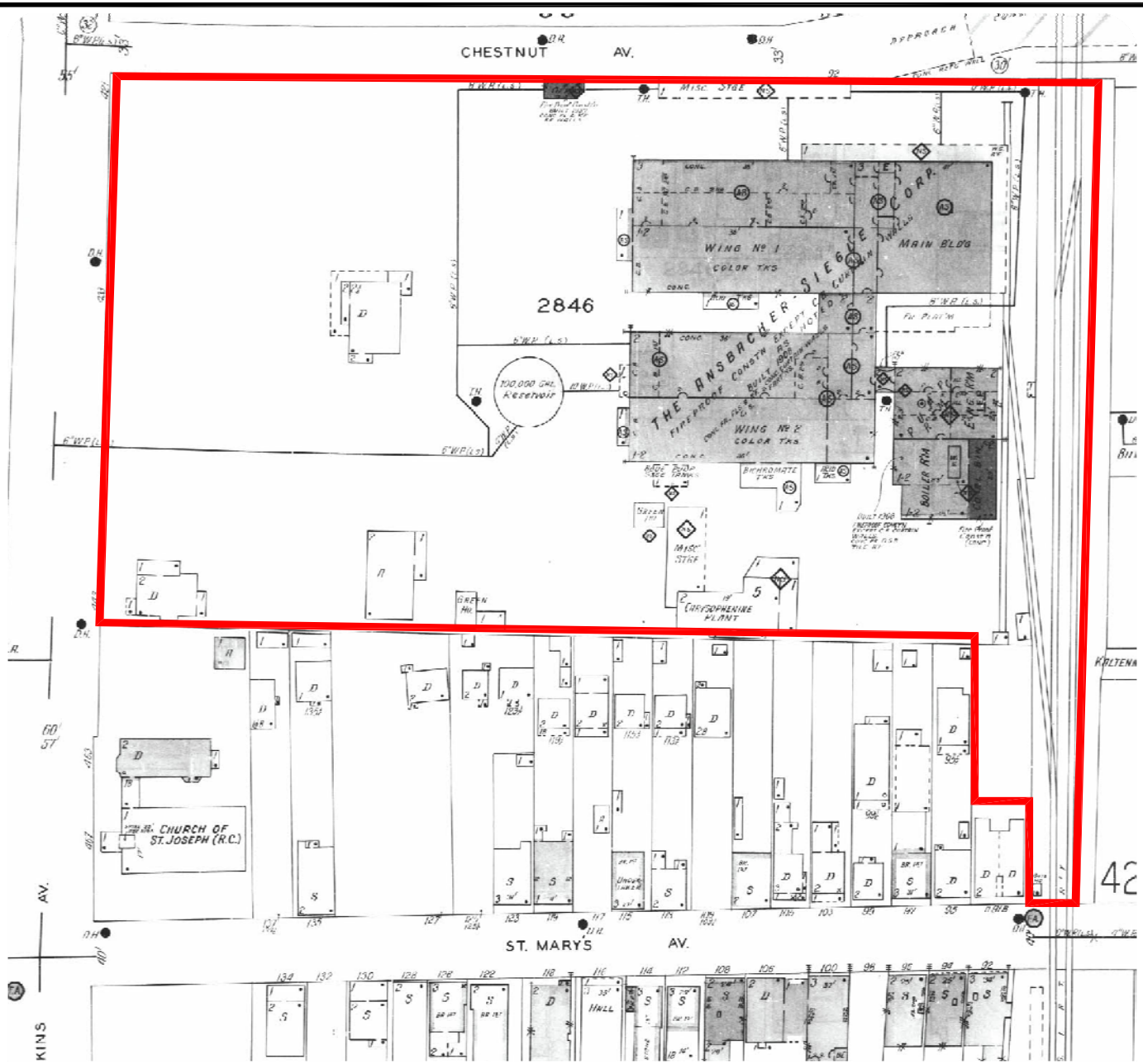
N

0 100
Scale In Feet

LEGEND

CURRENT PROPERTY BOUNDARY

ENVIRON	FACILITY LAYOUT ACCORDING TO 1917 SANBORN FIRE INSURANCE MAP SUN CHEMICAL CORPORATION–ROSEBANK FACILITY 441 TOMPKINS AVE., STATEN ISLAND, NY	FIGURE 3
DRAFTED BY: BJK / TSP DATE: 12/12/07		21-16443ASAN01



ENVIRON

DRAFTED BY: BJK / TSP | DATE: 12/12/07

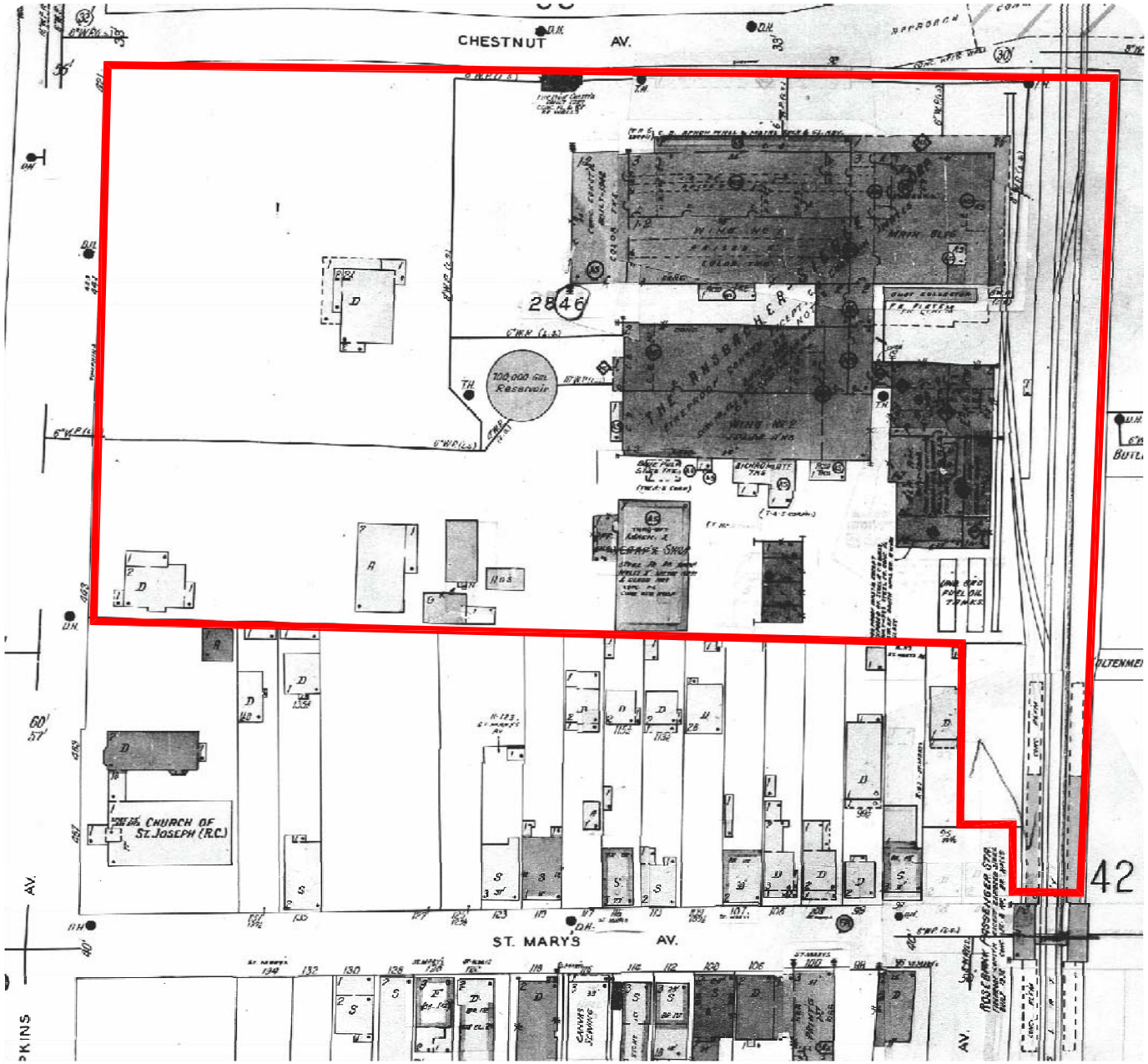
FACILITY LAYOUT ACCORDING TO 1937 SANBORN FIRE INSURANCE MAP

SUN CHEMICAL CORPORATION–ROSEBANK FACILITY

441 TOMPKINS AVE., STATEN ISLAND, NY

FIGURE 4

21-16443ASAN01



0 100
Scale In Feet

LEGEND

CURRENT PROPERTY BOUNDARY

ENVIRON

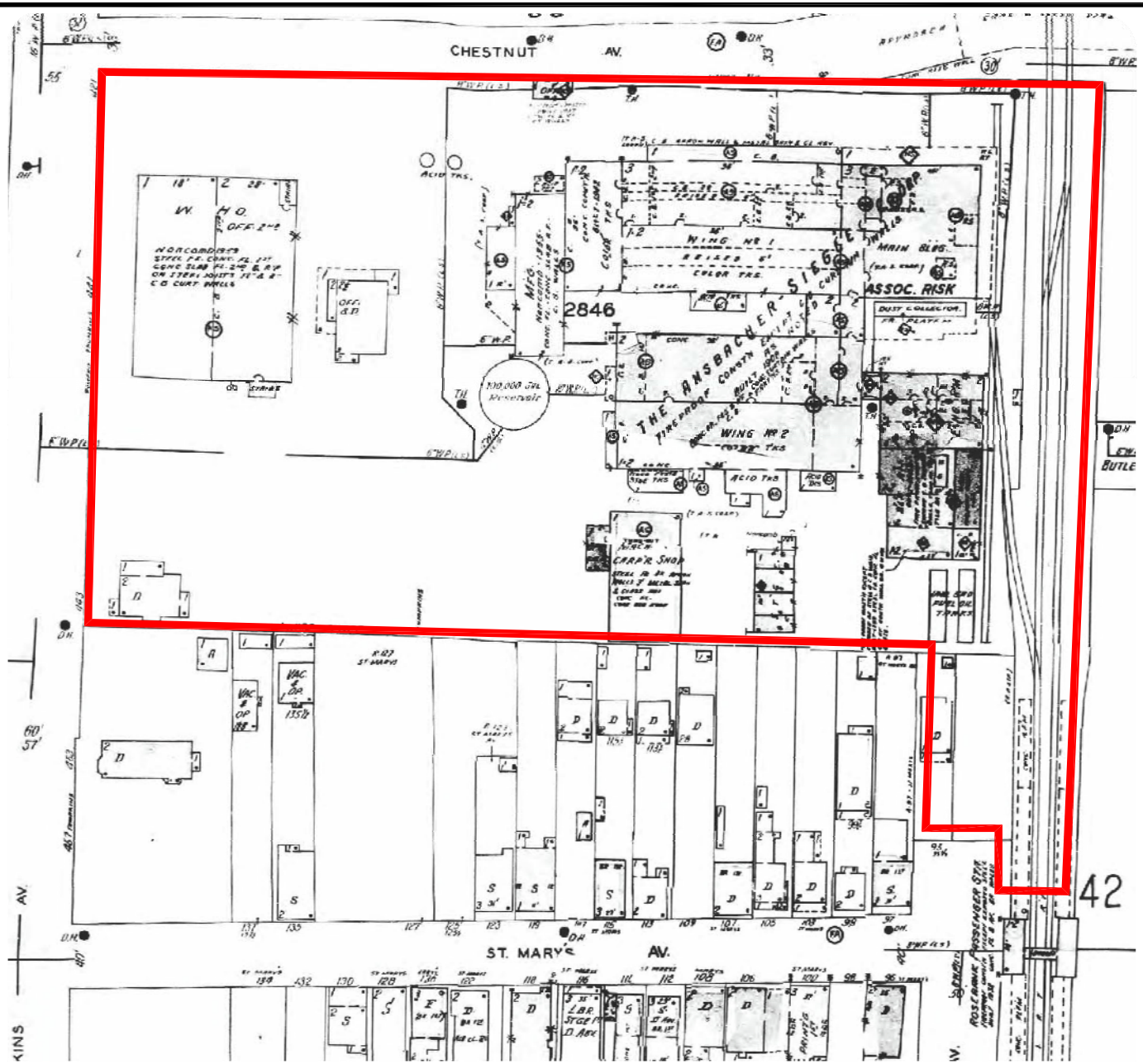
FACILITY LAYOUT ACCORDING TO 1950 SANBORN FIRE INSURANCE MAP

SUN CHEMICAL CORPORATION–ROSEBANK FACILITY
441 TOMPKINS AVE., STATEN ISLAND, NY

FIGURE 5

DRAFTED BY: BJK / TSP | DATE: 12/12/07

21-16443ASAN01



ENVIRON

DRAFTED BY: BJK / TSP | DATE: 12/12/07

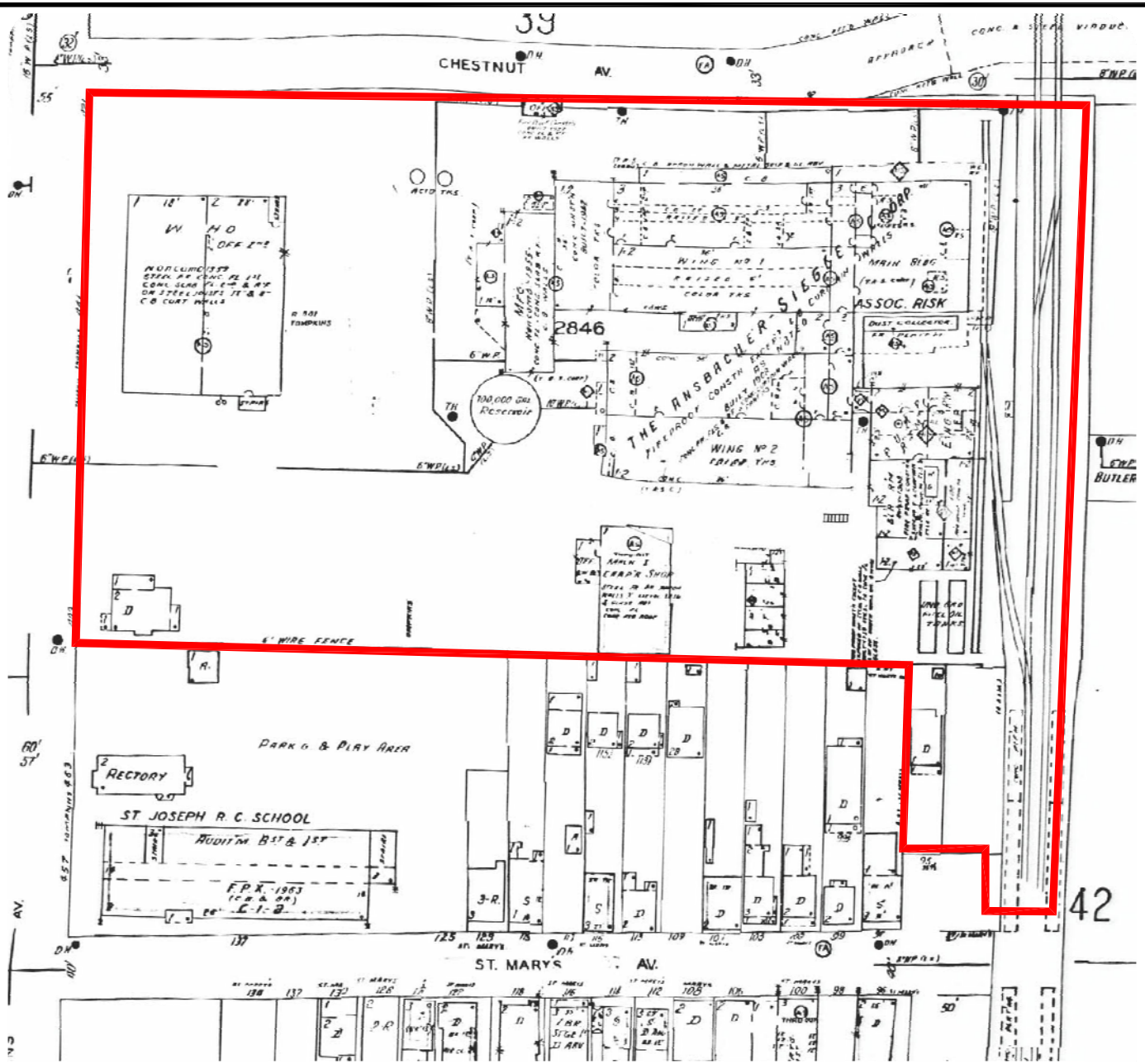
FACILITY LAYOUT ACCORDING TO 1962 SANBORN FIRE INSURANCE MAP

SUN CHEMICAL CORPORATION–ROSEBANK FACILITY

441 TOMPKINS AVE., STATEN ISLAND, NY

FIGURE 6

21-16443ASAN01



ENVIRON

DRAFTED BY: BJK / TSP | DATE: 12/12/07

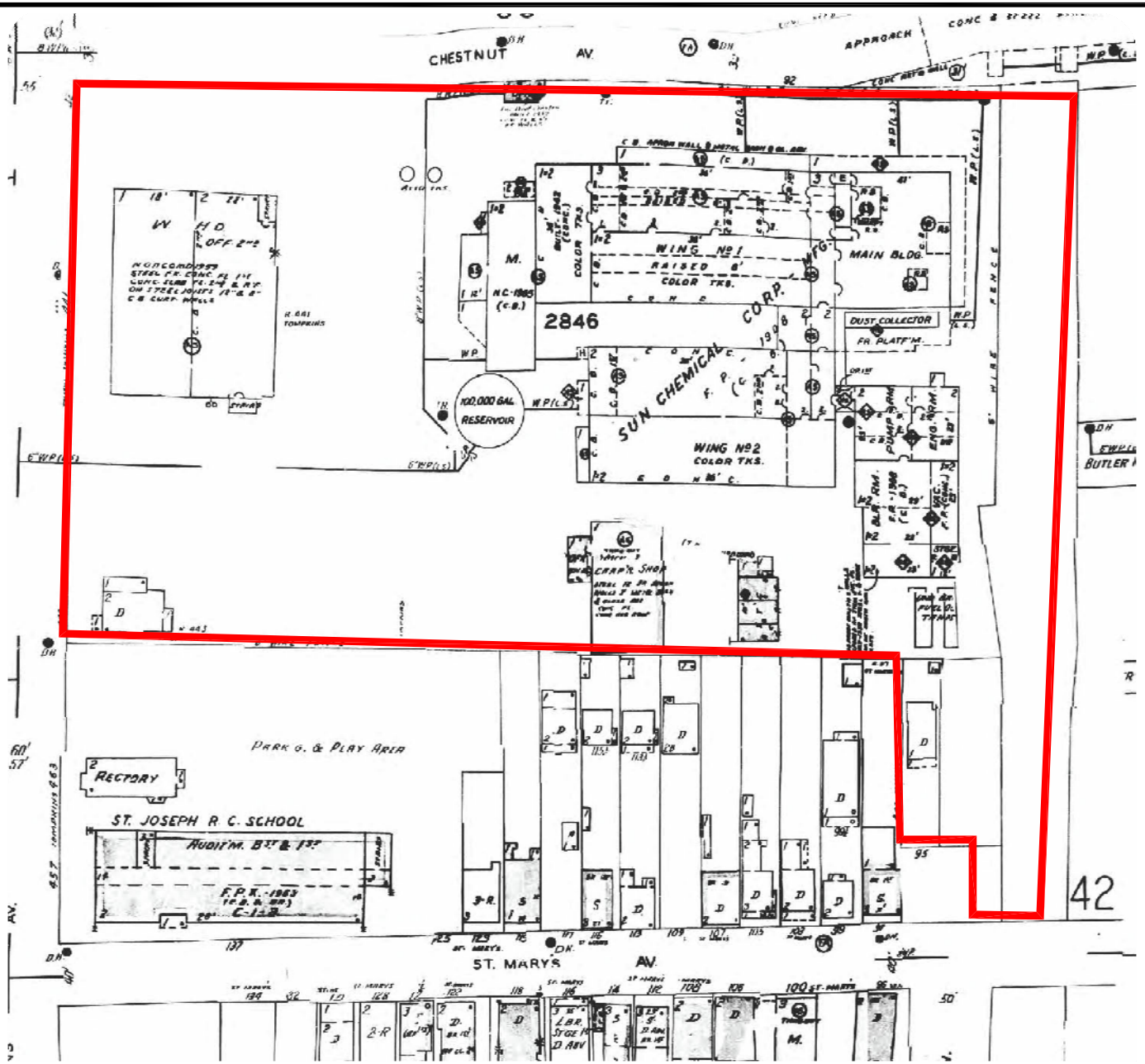
FACILITY LAYOUT ACCORDING TO 1977 SANBORN FIRE INSURANCE MAP

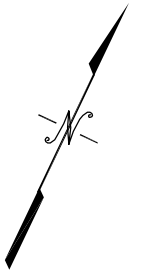
SUN CHEMICAL CORPORATION–ROSEBANK FACILITY

441 TOMPKINS AVE., STATEN ISLAND, NY

FIGURE 7

21-16443ASAN01





0 100
Scale In Feet

LEGEND

CURRENT PROPERTY BOUNDARY

ENVIRON

DRAFTED BY: BJK / TSP | DATE: 12/12/07

FACILITY LAYOUT ACCORDING TO 1986 SANBORN FIRE INSURANCE MAP

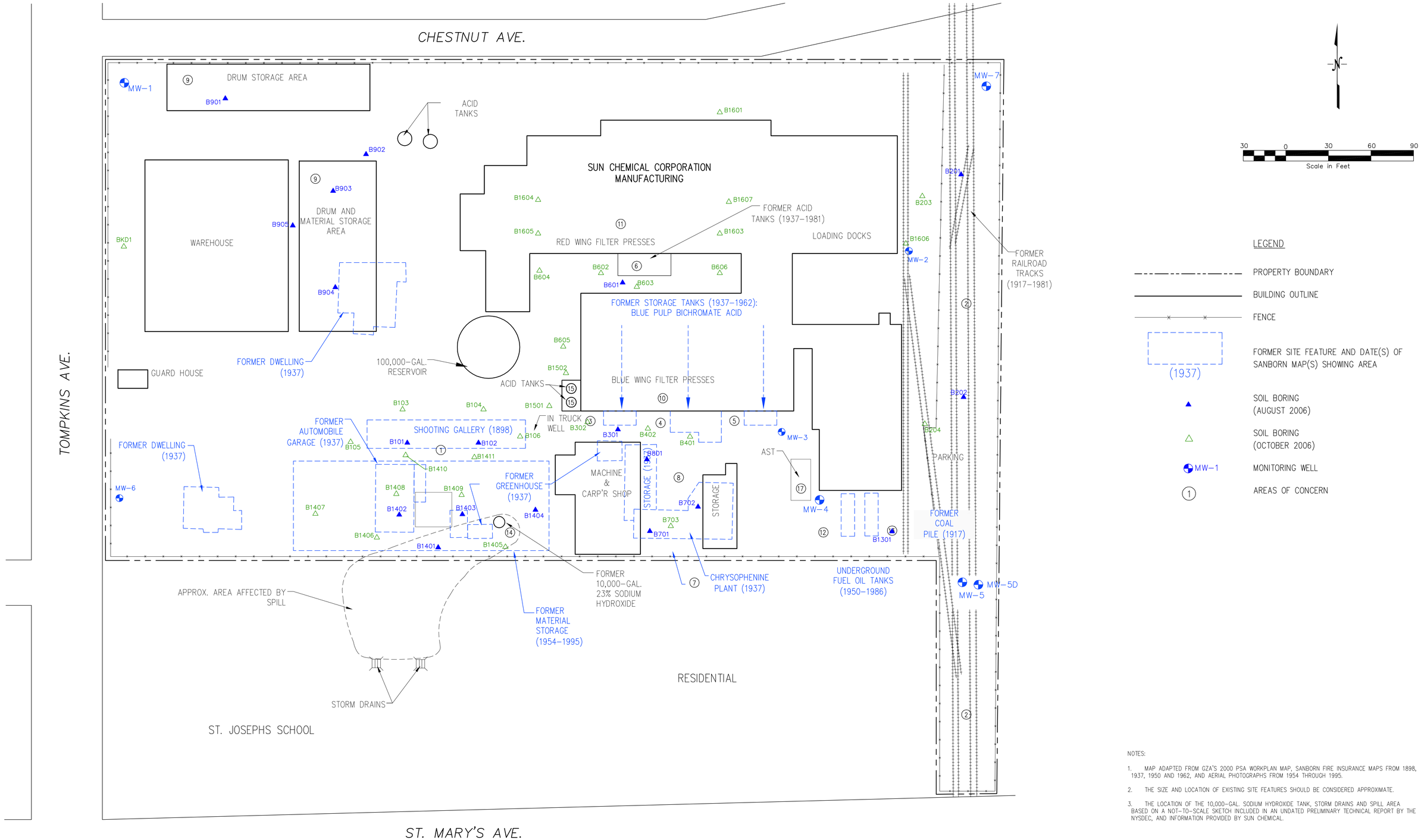
SUN CHEMICAL CORPORATION–ROSEBANK FACILITY

441 TOMPKINS AVE., STATEN ISLAND, NY

FIGURE 8

21-16443ASAN01

PLATES



LEGEND

- PROPERTY BOUNDARY
- BUILDING OUTLINE
- FENCE
- (1937) FORMER SITE FEATURE AND DATE(S) OF SANBORN MAP(S) SHOWING AREA
- SOIL BORING (AUGUST 2006)
- SOIL BORING (OCTOBER 2006)
- MW-1 MONITORING WELL
- (1) AREAS OF CONCERN

NOTES:

1. MAP ADAPTED FROM GZA'S 2000 PSA WORKPLAN MAP, SANBORN FIRE INSURANCE MAPS FROM 1898, 1937, 1950 AND 1962, AND AERIAL PHOTOGRAPHS FROM 1954 THROUGH 1995.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.
3. THE LOCATION OF THE 10,000-GAL. SODIUM HYDROXIDE TANK, STORM DRAINS AND SPILL AREA BASED ON A NOT-TO-SCALE SKETCH INCLUDED IN AN UNDATED PRELIMINARY TECHNICAL REPORT BY THE NYSDEC, AND INFORMATION PROVIDED BY SUN CHEMICAL.

1 PLATE	HISTORICAL SITE FEATURES/ AREAS OF CONCERN AND ACTUAL SAMPLING LOCATIONS	ENVIRON 214 CARNEGIE CENTER, PRINCETON, NJ 08540 www.environcorp.com California, Illinois, Louisiana, Massachusetts, Missouri, Texas, Virginia, Wisconsin Asia Pacific, Europe, United Kingdom
SUN CHEMICAL CORPORATION-ROSEBANK FACILITY 441 TOMPKINS AVE. STATEN ISLAND, NY	12/21/07 DATE	AS SHOWN SCALE / 21-16443A5030 CADD FILE / 12/21/07 PLOT DATE
	DESIGNED BY	TSP/PRM/TSP DRAFTED BY
		APPROVED BY

A P P E N D I X A

Soil Boring Logs

BORING #:	B101
DATE:	8/28/06
START TIME:	1000
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 1: Shooting Range

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.3	ND, ND, 9.7, 35.5, 94.6, 16.6	-B101-SS01 (0.5-1.0') for VOCs, PPMs and barium.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 3.5 Brown sandy silt with little gravel, moist with petroleum hydrocarbon-like odor. Concrete from 1.0-1.5'.
4 – 8	NA	3.3	7.5, 2.3, ND	-B101-SS02 (2.5-3.0') for VOCs, PPMs and barium. -B101-SS03 (3.5-4.0') for VOCs, PPMs and barium.	3.5 – 4.0 Red-brown sandy silt with little gravel and brick fragments; moist. 4.0 – 8.0 Red silt with little to some sand; moist to wet with stiff consistency.

COMMENTS:

BORING #:	B102
DATE:	8/28/06
START TIME:	1117
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 1: Shooting Range

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	-B102-SS01 (0.5-1.0') for VOCs, PPMs and barium. -B102-SS02 (1.5-2.0') for VOCs, PPMs and barium. -B102-SS03 (3.5-4.0') for VOCs, PPMs and barium.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 1.0 Light brown gravel and sand with little cinders; moist. 1.0 – 1.5 Brown silt with little sand and gravel; moist with stiff consistency. 1.5 – 3.8 Red-brown silt with some sand and little brick and gravel and trace cinders; moist with stiff consistency and low plasticity. 3.8 – 4.0 Brown silt with little sand and gravel – woody organics and 3.8'; moist with soft consistency.

COMMENTS:

BORING #:	B103
DATE:	10/4/06
START TIME:	1442
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	2 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 1: Shooting Range

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 2	NA	1.5	ND	-B103-SS01 (1.5-2.0') for PPMs and barium.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 2.0 Dark brown to brown silt with little gravel and sand; moist. Refusal at 2.0'.

COMMENTS:

BORING #:	B104
DATE:	10/4/06
START TIME:	1420
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 1: Shooting Range

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND	-B104-SS01 (3.5-4.0') for PPMs and barium.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 0.7 Brown silt with little sand and gravel; moist.
4 – 8	NA	4.0	ND	- B104-SS02 (6.0-6.5') for PPMs and barium.	0.7 – 1.0 Concrete fragments. 1.0 – 4.0 Red-brown silt with some clay, little sand and trace brick; moist with medium stiff consistency and low plasticity. 4.0 – 7.8 Red-brown silty clay with minor sand stringers throughout; medium soft consistency and medium plasticity. 7.8 – 8.0 Red-brown sand with little silt; moist.

COMMENTS:

BORING #:	B105
DATE:	10/4/06
START TIME:	1035
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 1: Shooting Range

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.2	ND, 52.5, 77.0, 154.1, 121, 101.1	-B105-SS01 (1.5-2.0') for VOCs and PPMs and barium.	0.0 – 0.6 Asphalt and tar-like substance.
4 – 8	NA	1.9	61.3, 27.4, 5.7	- B105-SS02 (2.5-3.0') for VOCs and PPMs and barium.	0.6 – 1.5 Dark gray sand with some silt with little cinders and rock fragments from 1.0' to 1.3'; moist with petroleum hydrocarbon-like odor.
				-B105-SS03 (7.0-7.3) for VOCs and PPMs and barium.	1.5 – 3.5 Brown silt with trace organics and strong petroleum hydrocarbon-like odor; moist.
					3.5 – 4.0 Red-brown silt; moist with medium soft consistency and low plasticity.
					4.0 – 5.5 Brown sandy clay with little gravel; very moist to wet with soft consistency and high plasticity. Petroleum hydrocarbon-like odor.
					5.5 – 7.5 Red-brown silt with medium stiff consistency and high plasticity, moist with slight petroleum hydrocarbon-like odor.
					7.5 – 8.0 Brown silt and little sand; wet.

COMMENTS:

BORING #:	B106
DATE:	10/4/06
START TIME:	1341
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 1: Shooting Range

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.6	ND	-B106-SS01 (1.5-2.0') for VOCs, PPMs, barium and SVOCs.	0.0 – 0.7 Asphalt underlain by tar-like substance.
4 – 8	NA	2.8	ND	- B106-SS02 (3.5-4.0') for VOCs, PPMs, barium and SVOCs.	0.7 – 1.5 Soft/uncured concrete with angular gravel or crushed concrete for base.
				-B106-SS03 (6.0 to 6.5) for VOCs, PPMs, barium and SVOCs.	1.5 – 4.0 Red Silt with very fine sand. Stiff consistency and low plasticity, sand zones from 3.0 to 3.2' and 3.5 to 3.7'; lower zone is wet.
					4.0 – 8.0 Red-brown clay with soft to very soft consistency and high plasticity. High water content.

COMMENTS:

BORING #:	B201
DATE:	8/30/06
START TIME:	0829
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 2: Railroad Tracks

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 2.5	NA	2.3	ND	-B201-SS01 (0.2-0.7') for PPMs and barium. -B201-SS02 (1.5-2.0') for PPMs and barium.	0.0 – 0.2 Asphalt and sub-base. 0.2 – 0.8 Dark brown silt, sand and gravel with little cinders; moist. 0.8 – 1.0 Concrete fragments. 1.0 – 2.3 Brown silt with some sand and little fine gravel – trace brick – moist with medium stiff consistency and no plasticity. 2.3 – 2.5 Concrete. Refusal at 2.5'.

COMMENTS:

BORING #:	B202
DATE:	8/30/06
START TIME:	0850
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 2: Railroad Tracks

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.8	ND	-B202-SS01 (0.2-0.7') for PPMs and barium. -B202-SS02 & B202-SS02D (1.5-2.0') for PPMs and barium. -B202-SS03 (3.5-4.0') for PPMs and barium.	0.0 – 0.2 Asphalt and sub-base. 0.2 – 0.5 Red-brown silt with some sand and little gravel; moist. 0.5 – 0.8 Dark gray silt with some sand and cinders. 0.8 – 0.9 Concrete. 0.9 – 1.5 Weathered schist. 1.5 – 4.0 Red silt with some sand and gravel – concrete from 3.2-3.5'; moist with stiff consistency and low plasticity.

COMMENTS:

BORING #:	B203
DATE:	10/5/06
START TIME:	1521
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 2 – Former Railroad Tracks at Eastern Parking Lot

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	-B203-SS01 (0.5-1.0') for PPMs, barium and SVOCs. -B203-SS02 (1.5-2.0') for PPMs, barium and SVOCs.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 1.5 Dark gray sand with little silt, cinders, and gravel; moist. 1.5 – 4.0 Brown to red-brown silt with some clay, little sand, gravel, and cinders.

COMMENTS:

BORING #:	B204
DATE:	10/6/06
START TIME:	0821
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 2 – Former Railroad Tracks at Eastern Parking Lot

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.5	ND	-B204-SS01 (1.0-1.5') for PPMs, barium and SVOCs. -B204-SS02 (2.0-2.5') for PPMs, barium and SVOCs. -B204-SS03 (3.5-4.0') for PPMs, barium and SVOCs.	0.0 – 1.0 Asphalt and sub-base. 1.0 – 2.0 Dark gray sand with coal, brick, and cinders; moist. 2.0 – 4.0 Red-brown clay and silt with sand and gravel; moist.

COMMENTS:

BORING #:	B301
DATE:	8/30/06
START TIME:	1108
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 3: Former Blue Pulp Aboveground Storage Tank South of the Blue Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	-B301-SS01 (0.3-0.8') for PPMs and barium. -B301-SS02 (2.0-2.5') for PPMs and barium.	0.0 – 0.3 Asphalt and gravel sub-base. 0.3 – 1.3 Brown silt, sand and gravel with zone of blue-green staining from 0.5-0.7'; moist. 1.3 – 4.0 Red-brown silt with little sand and gravel with trace cinders and brick; moist with medium stiff consistency and low plasticity.

COMMENTS:

BORING #:	B302
DATE:	10/5/06
START TIME:	0807
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 3: Former blue pulp aboveground storage tank south of Blue Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.7	ND, 2.2, ND, ND, ND, ND, ND	-B302-SS01 (1.0-1.5') for PPMs and barium. -B302-SS02 (2.0-2.5') for PPMs and barium.	0.0 – 0.3 Asphalt. 0.3 – 0.9 Crushed concrete sub-base. 0.9 – 1.3 Dark gray sand with little cinders and silt, blue-green staining; moist. 1.3 – 2.0 Brown clay and silt, medium consistency and plasticity; moist. 2.0 – 4.0 Red-brown clay and fine to coarse sand with large fragments of siltstone; moist.

COMMENTS:

BORING #:	B401
DATE:	10/4/06
START TIME:	1517
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	2 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 4: Former bichromate aboveground storage tank south of Blue Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 2	NA	1.9	ND	-B401-SS01 (1.5-2.0') for PPMs and barium.	0.0 – 0.2 Asphalt. 0.2 – 1.5 Red clay with some gravel. Medium soft consistency and high plasticity, staining (blue-green) in upper 2". Refusal at 2.0'

COMMENTS:

BORING #:	B402
DATE:	10/5/06
START TIME:	0751
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 4: Former bichromate aboveground storage tank south of Blue Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND, 8.2, 0.7, 0.1, ND, ND, ND, ND	-B402-SS01 (1.0-1.5') for PPMs and barium. -B402-SS02 (2.0-2.5') for PPMs and barium.	0.0 – 0.5 Asphalt. 0.5 – 1.0 Crushed concrete sub-base. 1.0 – 2.0 Red-brown clay and sand with little gravel and cinders; moist. 2.0 – 4.0 Red-brown clay with medium soft to medium stiff consistency, high plasticity.

COMMENTS:

BORING #:	B601
DATE:	8/28/06
START TIME:	1402
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	2 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former Acid Aboveground Storage Tanks South of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 2	NA	2.0	ND, 16.6, ND, ND	-B601-SS02 (1.8-2.0') for PPMs and barium.	0.0 – 0.2 Asphalt. 0.2 – 1.8 Concrete. 1.8 – 2.0 Orange silt with little sand and trace cinders. Refusal at 2.0'.

COMMENTS:

BORING #:	B602
DATE:	10/5/06
START TIME:	1025
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former acid aboveground storage tanks south of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.2	ND	-B602-SS01 (2.0-2.5') for PPMs and barium. -B605-SS02 (3.5-4.0') for PPMs and barium.	0.0 – 1.0 Concrete. 1.0 – 2.0 Sub-base (crushed concrete and gravel). 2.0 – 4.0 Dark brown clay and silt with some coarse grains and gravel at 2.0 to 2.5, slag, brick and cinders; moist.

COMMENTS:

BORING #:	B603
DATE:	10/5/06
START TIME:	0935
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former acid aboveground storage tanks south of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.8	ND	-B603-SS01 (1.0-1.5') for PPMs and barium. -B603-SS02 (3.5-4.0') for PPMs and barium.	0.0 – 0.5 Concrete. 0.5 – 1.5 Dark gray sand with slag, cinders, and brick; moist. 1.5 – 4.0 Brown clay and silt with few coarse grains; moist.

COMMENTS:

BORING #:	B604
DATE:	10/5/06
START TIME:	1045
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former acid aboveground storage tanks south of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.8	ND, 0.3, 22.0, 54.3, 60.6, 36.6	-B604-SS01 (1.5-2.0') for PPMs, barium, OCs, SVOCs.	0.0 – 0.3 Concrete. 0.3 – 0.5 Brick.
4 – 8	NA	2.8	34.8, 14.1, 3.8, 3.3, 3.2	-B604-SS02 (3.5-4.0') for PPMs, barium, VOCs and SVOCs. -B604-SS03 (4.5-5.0') for PPMs, barium, VOCs and SVOCs. -B604-SS04 (7.5-8.0') for PPMs, barium, VOCs and SVOCs.	0.5 – 6.0 Brown silt and clay with few coarse grains, soft; moist. Dark stains with gasoline odor. 6.0 – 8.0 Red-brown clay with some silt, medium stiff consistency; moist. Gasoline odor.

COMMENTS:

BORING #:	B605
DATE:	10/5/06
START TIME:	0903
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former acid aboveground storage tanks south of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.2	ND	-B605-SS01 (1.5-2.0') for PPMs and barium.	0.0 – 0.5 Asphalt. 0.5 – 1.6 Sub-base. May have hit a layer of concrete.
4 – 8	NA	3.5	ND	-B605-SS02 (3.5-4.0') for PPMs and barium.	1.6 – 3.3 Light brown clay with some sand, medium stiff consistency, plastic; moist. 3.3 – 4.0 Red-brown clay and sand with siltstone fragments; moist. 4.0 – 8.0 Red-brown clay and silt with few coarse grains; moist.

COMMENTS:

BORING #:	B606
DATE:	10/5/06
START TIME:	0948
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former acid aboveground storage tanks south of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	-B606-SS01 (1.5-2.0') for PPMs and barium. -B606-SS02 (3.5-4.0') for PPMs and barium.	0.0 – 0.5 Concrete. 0.5 – 2.0 Red-brown silt and sand with slag and cinders; moist. 2.0 – 4.0 Red-brown clay with some silt; moist.

COMMENTS:

BORING #:	B701
DATE:	8/28/06
START TIME:	1451
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 7: Chrysophenine Plant

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.3	ND	-B701-SS01 (0.5-1.0') for PPMs and barium. -B701-SS02 (1.5-2.0') for VOCs and (2.0-2.5') for PPMs and barium.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 1.0 Brown silt, sand and fine gravel with trace cinders; moist. 1.0 – 2.0 Red sandy silt with little fine gravel; moist with medium stiff consistency and medium plasticity. 2.0 – 3.0 Dark gray coarse sand with cinders and glass; moist to wet. 3.0 – 4.0 Red sandy silt with little fine gravel; moist with medium stiff consistency and medium plasticity.

COMMENTS:

BORING #:	B702
DATE:	8/28/06
START TIME:	1507
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 7: Chrysophenine Plant

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.2	ND	-B702-SS01 (0.5-1.0') for PPMs and barium. -B702-SS02 (2.0-2.5') for VOCs, PPMs and barium.	0.0 – 0.2 Asphalt. 0.2 – 0.5 Brown silt, sand and gravel; moist. 0.5 – 4.0 Red silt with stiff consistency and low plasticity; moist with little sand with zone of red fine to medium sand from 1.5-1.7' and 2.5-3.0'.

COMMENTS:

BORING #:	B703
DATE:	10/4/06
START TIME:	1500
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 7: Former chrysophenine plant

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.2	ND	-B703-SS01 (0.5-1.0') for PPMs and barium. -B703-SS02 (1.5-2.0') for PPMs and barium.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 1.0 Brown sand and silt with little gravel; moist. 1.0 – 4.0 Red-brown silt/clay with medium stiff consistency and medium plasticity with zones of sand from 2.6 to 3.0' and 3.5 to 3.7'.

COMMENTS:

BORING #:	B801
DATE:	8/28/06
START TIME:	1425
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 8: Southern Material Storage Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.5	ND	-B801-SS01 (0.5-1.0') for PPMs and barium. -B801-SS02 (2.0-2.5') for VOCs, PPMs and barium.	0.0 – 0.3 Concrete. 0.3 – 4.0 Red silt; moist with medium soft consistency and medium plasticity.

COMMENTS:

BORING #:	B901
DATE:	8/28/06
START TIME:	0909
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 9: Drum Storage Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.8	ND	-B901-SS01 (0.5-1.0') for PPMs and barium and (1.5-2.0') for VOCs. -B901-SS02 (2.0-2.5') for PPMs and barium and (3.0-3.5') for VOCs.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 4.0 Red-brown to brown sandy silt with little gravel and brick; moist with medium stiff consistency and low plasticity.

COMMENTS:

BORING #:	B902
DATE:	8/28/06
START TIME:	0832
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 9: Drum Storage Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.8	ND	-B902-SS01 (0.2-0.7') for PPMs and barium and (1.5-2.0') for VOCs. -B902-SS02 (2.0-2.5') for PPMs and barium and (3.0-3.5') for VOCs.	0.0 – 0.2 Asphalt and sub-base. 0.2 – 4.0 Red-brown sandy silt with little gravel; moist with medium stiff consistency and low plasticity.

COMMENTS:

BORING #:	B903
DATE:	8/28/06
START TIME:	0801
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 9: Drum Storage Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.9	ND	-B903-SS0 (0.3-0.8') for VOCs, PPMs and barium. -B903-SS02 (2.0-2.5') for VOCs, PPMs and barium.	0.0 – 0.3 Asphalt and sub-base. 0.3 – 4.0 Red-brown silt and sand with little gravel; moist.

COMMENTS:

BORING #:	B904
DATE:	8/28/06
START TIME:	0929
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 9: Drum Storage Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.2	ND	-B904-SS01 & B904-SS01D (0.3-0.8') for PPMs and barium and (1.5-2.0') for VOCs. -B904-SS02 (2.0-2.5') for PPMs and barium and (3.0-3.5') for VOCs.	0.0 – 0.3 Asphalt and sub-base. 0.3 – 4.0 Brown silt with some sand and little gravel, brick and asphalt fragments throughout; moist with medium soft consistency and low plasticity.

COMMENTS:

BORING #:	B905
DATE:	8/28/06
START TIME:	0852
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 9: Drum Storage Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.3	ND	-B905-SS0 (1.5-2.0') for VOCs, PPMs and barium. -B905-SS02 (3.0-3.5') for VOCs, PPMs and barium.	0.0 – 1.5 Asphalt and sub-base. 1.5 – 3.0 Brown silt with some brick and little asphalt; moist. 3.0 – 4.0 Brown silt with some sand and little organics; moist with soft consistency and low plasticity.

COMMENTS:

BORING #:	B1301
DATE:	8/30/06
START TIME:	0755
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 13: Former Coal Pile

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.6	0.4, ND	-B1301-SS01 (1.5-2.0') for VOCs, SVOCs, PPMs and barium. -B1301-SS02 (3.5-4.0') for VOCs, SVOCs, PPMs and barium.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 1.0 Brown silt and sand with some gravel and trace cinders and brick. 1.0 – 2.0 Dark gray silt and sand with some gravel and cinders; moist. 2.0 – 4.0 Red brown silt with some sand and little gravel; moist with medium stiff consistency and low plasticity. Orange rust color from 2.0-3.0' with little cinders within that interval.

COMMENTS:

BORING #:	B1401
DATE:	8/28/06
START TIME:	1039
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	-B1401-SS01 (0.5-1.0') for PPMs and barium, SVOCs and PCBs. -B1401-SS02 (3.5-4.0') for PPMs and barium, SVOCs and PCBs.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 2.0 Brown silt with little gravel; moist with stiff consistency and low plasticity. 2.0 – 2.2 Brown fine gravel. 2.2 – 4.0 Brown silt with trace ceramics and brick from 2.5-3.0'; moist with medium soft consistency and medium plasticity.

COMMENTS:

BORING #:	B1402
DATE:	8/28/06
START TIME:	1051
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.7	ND	-B1402-SS01 (0.5-1.0') for PPMs and barium, SVOCs and PCBs.	0.0 – 0.2 Asphalt and sub-base.
4 – 8	NA	2.2	ND	-B1402-SS02 (6.0-6.5') for PPMs and barium, SVOCs and PCBs.	0.2 – 0.7 Brown sand and gravel with green substance at 0.7 feet. 0.7 – 1.0 Black tar-like substance with gravel. 1.0 – 3.0 Dark brown silt with little sand and gravel (one chunk of concrete); moist with zones of dark gray coloration. 3.0 – 3.8 Red-brown silt with some sand and little gravel; moist. 3.8 – 4.0 Dark gray to dark brown silt, sand and gravel; moist. 4.0 – 8.0 Red-brown silt with some sand and little gravel; zone of moist to wet brown coarse sand from 5.0-5.5'.

COMMENTS:

BORING #:	B1403
DATE:	8/28/06
START TIME:	1205
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	2 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 2	NA	1.7	ND, 3.2, 4.3	-B1403-SS01 (1.5-2.0') for PPMs and barium, SVOCs and PCBs.	0.0 – 0.3 Asphalt and sub-base. 0.3 – 2.0 Fill: Brown silt with sand, gravel, cinders and brick; moist with mothball-like odor. Refusal at 2.0'

COMMENTS:

BORING #:	B1404
DATE:	8/28/06
START TIME:	1241
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND, ND, 10.3, 2.2, ND, ND	-B1404-SS01 (1.5-2.0') for PPMs and barium, SVOCs and PCBs.	0.0 – 0.5 Asphalt and gravel sub-base.
					0.5 – 2.5 Concrete with slight mothball-like odor.
4 – 8	NA	2.5	ND	-B1404-SS02 (6.0-6.5') for PPMs and barium, SVOCs and PCBs.	2.5 – 4.0 Red-brown to dark gray sandy silt with little gravel; moist with medium stiff consistency and low plasticity.
					4.0 – 8.0 Red-brown with zones of gray, sandy silt with little gravel; moist with medium stiff consistency and medium plasticity. Brick fragments from 4.0-6.0'.

COMMENTS:

BORING #:	B1405
DATE:	10/4/06
START TIME:	1209
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.5	ND	-B1405-SS01 (1.5-2.0') for PCBs, PPMs, barium and SVOCs.	0.0 – 0.7 Asphalt and sub-base with tar-like substance.
4 – 8	NA	2.6	ND	- B1405-SS02 (3.5-4.0') for PCBs, PPMs, barium and SVOCs.	0.7 – 3.0 Light brown silt with trace brick and cinders; dry.
				-B1405-SS03 (6.0-6.5) for PCBs, PPMs, barium and SVOCs.	3.0 – 4.0 Red-brown silt with rock fragments from 3.0-3.2', little sand and gravel; dry.
					4.0 – 6.5 Red-brown fine sand with some silt; dry and loose.
					6.5 – 6.7 Rock fragments.
					6.7 – 7.0 Red very fine sand; moist.

COMMENTS:

BORING #:	B1406
DATE:	10/4/06
START TIME:	1226
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.1	ND	-B1406-SS01 (0.5-1.0') for PCBs, PPMs, barium and SVOCs.	0.0 – 0.3 Asphalt.
4 – 8	NA	0.4	ND	- B1406-SS02 (2.5-3.0') for PCBs, PPMs, barium and SVOCs.	0.3 – 1.0 Red-brown silt with little sand and clay. Trace cinders and brick. 1.0 – 2.0 Light brown sand and gray angular gravel with rock fragments from 1.8 to 2.0'. 2.0 – 3.0 Green-blue stained silt with some sand and one cobble; wet. 3.0 – 4.4 Brown sand and clay; wet.

COMMENTS:

BORING #:	B1407
DATE:	10/4/06
START TIME:	1007
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.9	8.8, 65.7, 46.6, 7.3, 0.5, 0.1, ND	-B1407-SS01 (0.5-1.0') for VOCs, SVOCs, PPMs, barium and PCBs.	0.0 – 0.5 Asphalt and black tar-like substance.
4 – 8	NA	2.2	ND	- B1407-SS02 (3.5-4.0') for VOCs, SVOCs, PPMs, barium and PCBs.	0.5 – 1.5 Dark gray sand with some silt and little gravel and cinders; moist with petroleum hydrocarbon-like odor.
				-B1407-SS03 (6.0-6.5) for VOCs, SVOCs, PPMs, barium and PCBs.	1.5 – 3.5 Red-brown silt with little sand and gravel; trace brick.
					3.5 – 4.0 Brown sandy clay with trace gravel; very moist with soft consistency and high plasticity.
					4.0 – 8.0 Red-brown silty sand with trace gravel; soils wet at 6.5'.

COMMENTS:

BORING #:	B1408
DATE:	10/4/06
START TIME:	1150
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.3	ND, ND, 5.1, 3.6, ND, ND	-B1408-SS01 (1.0-1.5') for PCBs, PPMs, barium and SVOCs.	0.0 – 0.2 Asphalt and sub-base.
4 – 8	NA	2.5	ND	- B1408-SS02 (3.5-4.0') for PCBs, PPMs, barium and SVOCs.	0.2 – 0.7 Brown silt and sand with some gravel; moist.
				-B1408-SS03 (6.0-6.5) for PCBs, PPMs, barium and SVOCs.	0.7 – 1.0 Tar-like substance and gravel.
					1.0 – 1.5 Dark gray silt and gravel with little gravel.
					1.5 – 1.7 Concrete fragments.
					1.7 – 6.0 Brown clay with some silt and sand. Soft consistency and high plasticity; wet at 4.0'.
					6.0 – 8.0 Red brown clay with medium stiff consistency and medium plasticity; very moist to wet.
					* ~3" of wet sand from 5.7 to 6.0' another wet sand stringer 7.0 to 7.2'.

COMMENTS:

BORING #:	B1410
DATE:	10/4/06
START TIME:	1054
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.7	ND	-B1410-SS01 (1.5-2.0') for PCBs, PPMs, barium and SVOCs.	0.0 – 0.2 Asphalt and sub-base.
4 – 8	NA	2.7	ND	- B1410-SS02 (3.5-4.0') for PCBs, PPMs, barium and SVOCs.	0.2 – 1.0 Light brown silt, gray fine angular gravel.
				-B1410-SS03 (6.0-6.5) for PCBs, PPMs, barium and SVOCs.	1.0 – 4.0 Brown to red-brown silty clay with little sand and gravel; moist with medium stiff consistency and medium to high plasticity.
					4.0 – 8.0 Red-brown silt with medium stiff consistency and low plasticity with little to some sand and trace gravel; moist with perched water at 7.0'.

COMMENTS:

BORING #:	B1411
DATE:	10/4/06
START TIME:	1328
LOGGED BY:	Trevor Tompkins
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 14: Former Caustic Release Area

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.4	ND	-B1411-SS01 (1.5-2.0') for PCBs, PPMs, barium and SVOCs.	0.0 – 0.5 Asphalt and sub-base.
4 – 8	NA	2.8	ND	- B1411-SS02 (2.5-3.0') for PCBs, PPMs, barium and SVOCs.	0.5 – 1.5 Light brown/gray soft/uncured concrete with angular gravel; moist. 1.5 – 3.5 Red-brown silt with little sand and gravel and trace brick. 3.5 – 5.0 Red-brown very fine sand with some clay and trace gravel; very moist to wet. 5.0 – 8.0 Red-brown clay with medium soft consistency and high plasticity.
				-B1411-SS03 (6.0 to 6.5') for PCBs, PPMs, barium and SVOCs.	

COMMENTS:

BORING #:	B1501
DATE:	10/5/06
START TIME:	0820
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 15: Current aboveground acid storage tanks

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND	-B1501-SS01 (1.0-1.5') for PPMs and barium.	0.0 – 0.5 Asphalt. 0.5 – 1.0 Sub-base.
4 – 8	NA	2.9	ND	-B1501-SS02 (3.0-3.5') for PPMs and barium. -B1501-SS03 (6.0-6.5') for PPMs and barium.	1.0 – 1.2 Dark gray sand with little cinders and silt; moist 1.2 – 2.9 Orange-brown clay and silt, progressively more clay toward bottom; moist. 2.9 – 8.0 Red-brown clay and fine to medium sand with large siltstone fragments; moist. Slightly coarser from 4.0 to 8.0' with increased sand content from 7.0 to 8.0'.

COMMENTS:

BORING #:	B1502
DATE:	10/5/06
START TIME:	0845
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 15: Current aboveground acid storage tanks

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND	-B1502-SS01 (1.0-1.5') for PPMs and barium.	0.0 – 0.5 Asphalt. 0.5 – 1.2 Sub-base.
4 – 8	NA	4.0	ND	-B1502-SS02 (3.5-4.0') for PPMs and barium. -B1502-SS03 (6.0-6.5') for PPMs and barium.	1.2 – 2.2 Red-brown clay and fine sand; moist. 2.2 – 4.0 Gray and orange mottled clay, medium soft to medium stiff consistency; moist. Layer of fine to medium gravel 3.2 to 3.4', higher sand content 3.4 to 4.0'. 4.0 – 8.0 Red-brown fine sand and silt with little clay; moist.

COMMENTS:

BORING #:	B1601
DATE:	10/5/06
START TIME:	1505
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 16 – Wastewater system

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.2	ND	-B1601-SS01 (2.0-2.5') for PPMs, barium and pH. -B1601-SS02 (3.5-4.0') for PPMs, barium and pH.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 4.0 Red-brown silt with some clay and sand progressing down to silty clay with little sand; moist. Some gravel.

COMMENTS:

BORING #:	B1603
DATE:	10/5/06
START TIME:	1322
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 16 – Wastewater system

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.9	ND	-B1603-SS01 (2.0-2.5') for PPMs, barium and pH. -B1603-SS02 (3.5-4.0') for PPMs, barium and pH.	0.0 – 0.5 Concrete. 0.5 – 4.0 Red-brown clay with some silt and sand with little medium to coarse rounded gravel; moist with medium soft consistency and medium plasticity.

COMMENTS:

BORING #:	B1604
DATE:	10/5/06
START TIME:	1231
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 16 – Wastewater system

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.6	ND	-B1604-SS01 (2.0-2.5') for PPMs, barium and pH. -B1605-SS02 (3.5-4.0') for PPMs, barium and pH.	0.0 – 0.5 Concrete. 0.5 – 0.7 Coarse sand (white/gray) and gravel. 0.7 – 4.0 Red-brown fine to medium sand and wilt with few coarse grains.

COMMENTS:

BORING #:	B1605
DATE:	10/5/06
START TIME:	1215
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 16 – Wastewater system

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND	-B1605-SS01 (2.0-2.5') for PPMs, barium and pH. -B1605-SS02 (3.5-4.0') for PPMs, barium and pH.	0.0 – 0.5 Concrete. 0.5 – 0.8 Dark gray coarse sand with coarse gravel and cinders; moist. 0.8 – 2.0 Light brown clay with little silt; moist. 2.0 – 4.0 Brown silt and fine sand with some coarse grains; moist.

COMMENTS:

BORING #:	B1606
DATE:	10/5/06
START TIME:	1525
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 16 – Wastewater system

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.1	ND	-B1606-SS01 (2.0-2.5') for PPMs, barium and pH. -B1606-SS02 (3.5-4.0') for PPMs, barium and pH.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 3.0 Dark gray to brown sand with some silt, cinders, and gravel; moist. 3.0 – 4.0 Red-brown silty clay with little gravel and sand, medium soft consistency, medium plasticity; moist.

COMMENTS:

BORING #:	B1607
DATE:	10/5/06
START TIME:	1404
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	4 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 16 – Wastewater system

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.0	ND	-B1607-SS01 (2.0-2.5') for PPMs, barium and pH. -B1607-SS02 (3.5-4.0') for PPMs, barium and pH.	0.0 – 0.5 Cement. 0.5 – 2.0 Brown silt with medium to coarse sand with clay and some pebbles; moist. 2.0 – 4.0 Red-brown silt and clay, medium soft consistency, some fine to coarse sand and pebbles; moist.

COMMENTS:

BORING #:	MW01
DATE:	8/29/06
START TIME:	1017
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	30 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 2	7, 23, 23, 34	1.3	ND		0.0 – 0.7 Dark brown sandy silt with little gravel, grass and roots; moist.
5 – 7	7, 14, 11, 12	2.0	ND		0.7 – 2.0 Red-brown silt with some sand and little gravel; slightly moist to dry.
10 – 12	26, 26, 30, 33	1.9	ND		5.0 – 7.0 Red-brown sandy silt with little to some medium gravel; moist with stiff consistency and low plasticity.
15 – 17	17, 36, 40, 45	1.4	ND		10.0 – 12.0 Red brown silt with some sand, little gravel; moist with medium stiff consistency, low plasticity, shale fragments at 11.8'.
20 – 22	45, 45, 46, 50	0.0	ND		15.0 – 15.8 Red-brown silt with some gravel and sand; moist with medium stiff consistency and low plasticity.
25 – 27	17, 30, 31, 31	1.9	ND		15.8 – 16.2 Gray rock fragments.
28 – 30	30, 46, 50, 50/5	1.8	ND		16.2 – 17.0 Red-brown sand an silt with some gravel; moist.
					*cuttings between 20 and 25' came up wet.
					25.0 – 27.0 Red-brown silt with little gravel and sand; moist with medium stiff consistency and low plasticity. No sign of water.
					28.0 – 29.9 Red-brown silt with little sand and gravel. Rock fragments at 29.0 and 29.6'. Red shale fragments in end of spoon. Appears to be top of bedrock. Soils are moist with stiff consistency and low plasticity.

COMMENTS:

BORING #:	MW2
DATE:	8/28/06
START TIME:	1347
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	7.8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former Acid Aboveground Storage Tanks South of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.3	ND	-MW2-SS01 (2.0-2.5') for PPMs and barium.	0.0 – 0.2 Asphalt.
					0.2 – 2.0 Concrete.
4 – 8	NA	3.5	ND	-MW2-SS02 (4.0-4.5') for PPMs and barium.	2.0 – 2.2 Black cinders from 2.0-2.2' with red and yellow coloring.
					2.2 - 4.0 Red-brown silt with little sand and gravel; moist with stiff consistency and low plasticity.
					4.0 – 7.8 Red-brown silt with little to some sand and little gravel; moist with medium stiff consistency and low plasticity.
					Refusal at 7.8'.

COMMENTS:

BORING #:	MW-2
DATE:	10/6/06
START TIME:	0740
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	19 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 6: Former acid aboveground storage tanks south of Red Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.8	ND	-MW02-SS01 (1.5-2.0') for PPMs and barium.	0.0 – 0.5 Asphalt and sub-base.
4 – 8	NA	3.6	ND	-MW02-SS02 (3.5-4.0') for PPMs and barium.	0.5 – 1.0 Red to light brown to dark gray silt and sand with little sand and gravel; moist.
8 – 12	NA	4.0	ND		1.0 – 1.2 Rock fragments.
12 – 16	NA	3.5	ND		1.2 – 16.0 Red-brown silty clay with little to some sand and gravel; moist with medium stiff consistency and medium plasticity. Higher gravel and cobble content at 16.5', potential perched layer at 16-16.8'.
16 - 20	NA	2.8	ND		*Refusal at 19' with cobble/gravel in toe of macrocore

COMMENTS:

BORING #:	MW3
DATE:	8/28/06
START TIME:	1521
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	16 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 5: Former Acid Aboveground Storage Tanks South of Blue Wing

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.5	ND	-MW3-SS01 (0.2-0.7') for PPMs and barium.	0.0 – 0.2 Concrete.
4 – 8	NA	3.3	ND	-MW3-SS02 (1.5-2.0') for PPMs and barium.	0.2 – 0.7 Blue-green stained sand with some silt and gravel; moist.
8 – 12	NA	3.1	ND		0.7 – 12.0 Red silt with little to some sand and little gravel; moist with stiff consistency and low plasticity. Zones of sand from 7.5-7.7', 8.5-9.0', 9.2-9.4' and 10.0-10.3'.
12 – 16	NA	2.0	ND		12.0 – 16.0 Red silt with some sand and medium to coarse gravel; moist with stiff consistency and low plasticity – Black shale fragments from 13.5-14.0'. Water on piece of gravel in toe of macrocore sampler.

COMMENTS:

BORING #:	MW4
DATE:	8/30/06
START TIME:	1143
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	20 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 15: Current Aboveground Storage Tank

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.6	ND	-MW4-SS01 (1.0-1.5') for VOCs and SVOCs.	0.0 – 0.3 Asphalt and sub-base.
4 – 8	NA	3.2	ND	-MW4-SS02 (4.5-5.0') for VOCs and SVOCs.	0.3 – 2.0 Brown silt with little sand, gravel, cinders and brick; moist with stiff consistency and low plasticity.
8 – 12	NA	3.1	ND		2.0 – 4.0 Red-brown silt with little sand and gravel with trace cinders and brick; moist with stiff consistency and low plasticity.
12 – 16	NA	4.0	ND		4.0 – 16.0 Red-brown silt with some sand and gravel; moist with medium stiff consistency and low plasticity. Rock fragments at 6.8, 7.5, 8.5 and from 14.5 to 15.0 feet. Zone of loose silt, sand and gravel that is wet from 13.0-14.5'.
16 – 20	NA	4.0	ND		16.0 – 20.0 Red-brown silt with little sand and gravel; moist with stiff consistency and low plasticity. Zone of loose silt, sand and gravel from that is wet from 17.0-18.0'.

COMMENTS:

BORING #:	MW5
DATE:	8/30/06
START TIME:	0921
LOGGED BY:	Trevor Tompkins
DRILLING CO:	SGS Environmental Services, Inc.
DRILLER:	J. Rausa
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	12 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 2: Railroad Tracks

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND	-MW5-SS01 (0.5-1.0') for PPMs and barium.	0.0 – 0.5 Asphalt and sub-base.
4 – 8	NA	4.0	ND	-MW5-SS02 (1.5-2.0') for PPMs and barium.	0.5 – 2.0 Brown silt with little sand, gravel, cinders and brick; moist with concrete chunk at 1.5'.
8 – 12	NA	3.5	ND	-MW5-SS03 (3.5-4.0') for PPMs and barium.	2.0 – 6.5 Red-brown silt with some sand, little gravel and trace cinders and slag; moist with stiff consistency and low plasticity. 6.5 – 7.8 Brown silt and sand with some gravel; moist to nearly wet at 7.5'. 7.8 – 8.0 Black cinders with some green glass; wet. 8.0 – 10.0 Brown silt and sand; wet. 10.0 – 12.0 Brown to dark gray peat; moist. Roots, twigs and leaves observed in peat.

COMMENTS:

BORING #:	MW-05D
DATE:	10/6/06
START TIME:	0949
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	20 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 2 – Former Railroad Tracks at Eastern Parking Lot

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
12 – 16	NA	2.0	ND	.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 2.0 Brown silt with little sand, gravel, cinders and brick; moist with concrete chunk at 1.5'.
16 - 20	NA	1.0	ND		2.0 – 6.5 Red-brown silt with some sand, little gravel and trace cinders and slag; moist with stiff consistency and low plasticity. 6.5 – 7.8 Brown silt and sand with some gravel; moist to nearly wet at 7.5'. 7.8 – 8.0 Black cinders with some green glass; wet. 8.0 – 10.0 Brown silt and sand; wet. 10.0 – 12.0 Brown to dark gray peat; moist. Roots, twigs and leaves observed in peat. 12.0 – 14.0 Gray clay with fine sand stringers. High plasticity, soft consistency. 14.0 – 16.0 Red-brown silt with some and little gravel. Gravel unit 15.5 to 15.7; very moist to nearly saturated at 16.0'. 16.0 – 20.0 Red brown silty clay with little sand and gravel; moist to wet.

COMMENTS:

BORING #:	MW06
DATE:	10/6/06
START TIME:	1030
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	16 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND		0.0 – 1.0 Asphalt and sub-base. 1.0 – 6.0 Brown to red-brown silt with some clay, little sand and gravel, trace brick; moist, no plasticity, medium stiff consistency.
4 – 8	NA	2.9	ND		6.0 – 8.0 Gray clay, soft consistency, high plasticity, little organics; moist.
8 – 12	NA	NA	ND		8.0 – 11.5 Soft consistency, high plasticity, few organics; moist.
12 – 16	NA	3.4	NA		11.5 – 13.5 Red clay with very soft consistency, high plasticity; saturated at 11.8'. 13.5 – 15.0 Red-brown medium sand with some silt; wet. 15.0 – 16.0 Red-brown silt with little sand and gravel; moist

COMMENTS:

BORING #:	MW-07
DATE:	10/6/06
START TIME:	0841
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	16 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

AOC 2 – Former Railroad Tracks at Eastern Parking Lot

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	4.0	ND	.	0.0 – 0.5 Asphalt and sub-base. 0.5 – 3.5 Brown silt with some sand and little gravel and brick. Zone of muscovite from 2.5 to 2.7'. 3.5 – 4.0 Concrete fragments.
4 – 8	NA	3.5	ND		
8 – 12	NA	3.2	ND		4.0 – 10.0 Brown to red-brown silt and clay with medium soft consistency and medium to low plasticity. Wet sand lens from 7.0 to 7.1, with underlying very moist clay.
12 – 16	NA	2.4	ND		10.0 – 16.0 Red-brown silty clay with little sand and gravel; moist with medium stiff consistency, medium plasticity. *Water present at 7.5 – 8.0'.

COMMENTS:

BORING #:	BKD1
DATE:	10/5/06
START TIME:	1432
LOGGED BY:	Trevor Tompkins, Megan Utley
DRILLING CO:	TPI Environmental Inc.
DRILLER:	B. Moriarty
RIG:	Geoprobe Truck-Mounted
SAMPLING METHOD:	Direct-Push
BORING DIA:	2-Inch
BORING DEPTH	8 Feet
ORGANIC VAPOR EQUIPMENT	PID (10.8 eV)

ENVIRON

BORING LOG

PROJECT: Sun Chemical: Rosebank
Staten Island, New York

CASE # 21-16443A

COMMENTS:

Background

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (PPMs)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	-BKD1-SS01 (0.0-0.5') for PPMs and barium.	0.0 – 0.4 Brown silt and clay with little sand and organics (grass and roots); moist.
4 – 8	NA	4.0	ND	-BKD1-SS02 (1.5-2.0') for PPMs and barium.	0.4 – 1.5 Light brown silty clay; moist with medium stiff consistency and medium plasticity.
				-BKD1-SS03 (3.5-4.0') for PPMs and barium.	1.5 – 4.0 Red-brown silty clay with medium stiff consistency and medium plasticity with little sand and trace gravel; moist.
				-BKD1-SS04 (6.0-6.5') for PPMs and barium.	4.0 – 8.0 Red-brown silt and clay with little sand and gravel with medium stiff consistency and medium plasticity; moist.

COMMENTS:

A P P E N D I X B

Summary Soil Data Tables

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 02
Location	B101	B101	B101	B102	B102	B102	B103	B104	B104	B105	B105	B106	B106	B201
ENVIRON Sample ID	B101-SS01	B101-SS02	B101-SS03	B102-SS01	B102-SS02	B102-SS03	B103-SS01	B104-SS01	B104-SS02	B105-SS01	B105-SS02	B106-SS01	B106-SS02	B201-SS01
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	8/30/2006
Collection Depth (ft)	0.5 - 1	2.5 - 3	3.5 - 4	0.5 - 1	1.5 - 2	3.5 - 4	1.5 - 2	3.5 - 4	6 - 6.5	1.5 - 2	2.5 - 3	1.5 - 2	3.5 - 4	0.2 - 0.7
Comments														
VOC														
Acetone	U (0.57)	U (0.54)	0.1 (0.0069)	0.047 (0.0055)	0.035 (0.0054)	0.1 (0.0058)				0.056 B (0.0055)	0.07 B (0.0059)	0.024 B (0.0054)	U (0.0047)	
Benzene	U (0.11)	U (0.11)	U (0.0014)	U (0.0011)	U (0.0011)	U (0.0012)				0.0053 (0.0011)	0.002 (0.0012)	0.0022 (0.0011)	0.0008 J (0.0009)	
2-Butanone	U (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	0.011 (0.0058)				U (0.0055)	U (0.0059)	U (0.0054)	U (0.0047)	
Carbon Disulfide	U (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	0.0012 J (0.0058)				U (0.0055)	U (0.0059)	U (0.0054)	U (0.0047)	
Chlorobenzene	U (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	U (0.0058)				U (0.0055)	U (0.0059)	0.0017 J (0.0054)	U (0.0047)	
1,1-Dichloroethane	U (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	U (0.0058)				0.0042 J (0.0055)	0.0012 J (0.0059)	U (0.0054)	U (0.0047)	
1,2-Dichloroethane	U (0.23)	U (0.22)	U (0.0027)	U (0.0022)	U (0.0021)	U (0.0023)				U (0.0022)	U (0.0024)	U (0.0022)	U (0.0019)	
cis-1,2-Dichloroethene	U (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	U (0.0058)				U (0.0055)	U (0.0059)	U (0.0054)	U (0.0047)	
Ethylbenzene	0.27 J (0.46)	U (0.43)	U (0.0055)	U (0.0044)	U (0.0043)	U (0.0046)				0.0025 J (0.0044)	0.0023 J (0.0047)	0.012 (0.0043)	U (0.0037)	
Tetrachloroethene	U (0.11)	U (0.11)	U (0.0014)	U (0.0011)	U (0.0011)	U (0.0012)				U (0.0011)	U (0.0012)	0.0029 (0.0011)	U (0.0009)	
Toluene	U (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	U (0.0058)				0.0009 J (0.0055)	U (0.0059)	0.0046 J (0.0054)	U (0.0047)	
1,1,1-Trichloroethane	U (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	U (0.0058)				U (0.0055)	U (0.0059)	0.0012 J (0.0054)	U (0.0047)	
Trichloroethene	U (0.11)	U (0.11)	U (0.0014)	U (0.0011)	U (0.0011)	U (0.0012)				U (0.0011)	U (0.0012)	0.0008 J (0.0011)	U (0.0009)	
Xylene (Total)	0.74 (0.57)	U (0.54)	U (0.0069)	U (0.0055)	U (0.0054)	U (0.0058)				0.012 (0.0055)	0.0093 (0.0059)	0.095 (0.0054)	0.0012 J (0.0047)	
SVOC														
Acenaphthene												U (0.38)	U (0.39)	
Acenaphthylene												U (0.38)	U (0.39)	
Anthracene												U (0.38)	U (0.39)	
Benzo(a)anthracene												U (0.038)	U (0.039)	
Benzo(a)pyrene												U (0.038)	U (0.039)	
Benzo(b)fluoranthene												0.01 J (0.038)	U (0.039)	
Benzo(g,h,i)perylene												U (0.38)	U (0.39)	
Benzo(k)fluoranthene												U (0.038)	U (0.039)	
bis(2-Ethylhexyl)phthalate												7.1 (0.38)	U (0.39)	
Carbazole												U (0.38)	U (0.39)	
4-Chloroaniline												U (0.38)	U (0.39)	
Chrysene												U (0.38)	U (0.39)	
Dibenz(a,h)anthracene												U (0.038)	U (0.039)	
Dibenzofuran												U (0.38)	U (0.39)	
1,2-Dichlorobenzene												U (0.38)	U (0.39)	
1,4-Dichlorobenzene												U (0.38)	U (0.39)	
3,3'-Dichlorobenzidine												U (0.75)	U (0.78)	
Dimethylphthalate												U (0.38)	U (0.39)	
Di-n-butylphthalate												U (0.38)	U (0.39)	
Fluoranthene												0.014 J (0.38)	U (0.39)	
Fluorene												U (0.38)	U (0.39)	
Hexachlorobenzene												U (0.038)	U (0.039)	
Indeno(1,2,3-cd)pyrene												U (0.038)	U (0.039)	
2-Methylnaphthalene												0.0087 J (0.38)	U (0.39)	
Naphthalene												0.011 J (0.38)	U (0.39)	
3-Nitroaniline												U (0.75)	U (0.78)	
4-Nitroaniline												U (0.75)	U (0.78)	

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

	Area Of Concern	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 01	AOC 02
	Location	B101	B101	B101	B102	B102	B102	B103	B104	B104	B105	B105	B106	B106	B201
	ENVIRON Sample ID	B101-SS01	B101-SS02	B101-SS03	B102-SS01	B102-SS02	B102-SS03	B103-SS01	B104-SS01	B104-SS02	B105-SS01	B105-SS02	B106-SS01	B106-SS02	B201-SS01
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
	Collection Date	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	8/30/2006
	Collection Depth (ft)	0.5 - 1	2.5 - 3	3.5 - 4	0.5 - 1	1.5 - 2	3.5 - 4	1.5 - 2	3.5 - 4	6 - 6.5	1.5 - 2	2.5 - 3	1.5 - 2	3.5 - 4	0.2 - 0.7
	Comments														
	Nitrobenzene												U (0.038)	U (0.039)	
	Phenanthrene												0.011 J (0.38)	U (0.39)	
	Pyrene												0.014 J (0.38)	U (0.39)	
	1,2,4-Trichlorobenzene												U (0.038)	U (0.039)	
PCB															
	PCBs (total)														
	Aroclor-1248														
	Aroclor-1254														
	Aroclor-1268														
INORG															
	Antimony	3.6 (1.1)	1.7 B (1.1)	U (1.1)	2.6 (1.1)	U (1.3)	2.8 (1.4)	U (1.1)	U (1.1)	U (1.2)	U (1.2)	U (1.2)	U (1.1)	U (1.1)	U (1.1)
	Arsenic	10.2 (1)	9.6 (1)	4.7 (1)	5.4 (1)	2.2 (0.73)	6.5 (0.75)	3.5 (1)	3.9 (1)	2.7 (1.1)	7.6 (1.1)	5.8 (1.1)	3.4 (1)	4.3 (1)	3.8 (0.63)
	Barium	213 (0.3)	127 (0.3)	69.6 (0.3)	153 (0.29)	46.2 (0.39)	48.6 (0.4)	73.2 (0.29)	76.2 (0.3)	42.7 B (0.31)	177 (0.32)	80.4 (0.32)	49.4 (0.29)	44.2 B (0.3)	
	Beryllium	0.44 B (0.023)	0.49 (0.023)	0.65 (0.023)	0.43 (0.022)	0.51 (0.068)	0.81 (0.071)	0.31 B (0.022)	0.79 (0.023)	0.53 (0.024)	0.44 B (0.025)	0.68 (0.025)	0.64 (0.023)	0.69 (0.023)	0.26 B (0.059)
	Cadmium	U (0.11)	U (0.11)	U (0.11)	U (0.11)	U (0.091)	1.8 (0.094)	0.16 B (0.11)	0.16 B (0.12)	U (0.12)	1 B (0.12)	0.35 B (0.12)	0.15 B (0.11)	0.17 B (0.12)	0.17 B (0.079)
	Chromium	84 (0.64)	84.5 (0.64)	72.2 (0.64)	70.9 (0.63)	40.1 (0.36)	511 (0.38)	29.8 (0.63)	63.7 (0.65)	49.6 (0.66)	53.1 (0.69)	57.5 (0.69)	40.5 (0.63)	38.5 (0.65)	21.6 (0.32)
	Copper	121 (0.71)	76.2 (0.71)	46.6 (0.71)	55.5 (0.7)	23.8 (0.84)	41.6 (0.87)	21.8 (0.69)	23.9 (0.72)	16.2 (0.73)	123 (0.76)	47.7 (0.76)	26 (0.7)	29 (0.72)	32.4 (0.73)
	Lead	290 (0.51)	317 (0.5)	61.9 (0.5)	126 (0.49)	22.8 (0.61)	182 (0.64)	109 (0.49)	9.5 (0.51)	7.1 (0.52)	244 (0.54)	110 (0.54)	9.1 (0.5)	7.7 (0.51)	80.9 (0.53)
	Mercury	0.32 (0.019)	0.24 (0.016)	0.06 (0.019)	0.26 (0.019)	0.08 (0.019)	0.14 (0.02)	0.09 (0.016)	U (0.019)	U (0.017)	0.18 (0.021)	0.06 (0.018)	0.02 B (0.019)	U (0.019)	0.07 (0.018)
	Nickel	100 (0.9)	135 (0.89)	156 (0.89)	116 (0.88)	162 (0.54)	173 (0.57)	41.1 (0.87)	226 (0.91)	229 (0.92)	85.1 (0.96)	131 (0.96)	134 (0.88)	139 (0.91)	28.9 (0.47)
	Selenium	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (0.95)	U (0.99)	1.6 (1.1)	1.6 (1.1)	U (1.1)	1.8 (1.2)	1.7 (1.2)	U (1.1)	1.5 (1.1)	U (0.83)
	Silver	U (0.28)	U (0.27)	U (0.27)	U (0.27)	U (0.32)	U (0.33)	U (0.27)	U (0.28)	U (0.28)	U (0.3)	U (0.3)	U (0.27)	U (0.28)	0.35 B (0.28)
	Zinc	118 (1.3)	81.8 (1.3)	86.9 (1.3)	110 (1.3)	40.4 (1.3)	685 (1.4)	96.8 (1.3)	63.3 (1.4)	34.8 (1.4)	189 (1.4)	100 (1.4)	34.4 (1.3)	37.9 (1.3)	77.4 (1.1)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02
Location	B201	B201	B201	B202	B202	B202	B202	B202	B202	B202	B203	B203	B204	B204	B204	MW05	MW05
ENVIRON Sample ID	B201-SS01	B201-SS02	B201-SS02	B202-SS01	B202-SS01	B202-SS02	B202-SS02	B202-SS02D	B202-SS03	B203-SS01	B203-SS02	B204-SS01	B204-SS01D	B204-SS02	MW5-SS01	MW5-SS02	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	
Collection Date	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	10/5/2006	10/5/2006	10/6/2006	10/6/2006	10/6/2006	8/30/2006	8/30/2006	
Collection Depth (ft)	0.2 - 0.7	1.5 - 2	1.5 - 2	0.2 - 0.7	0.2 - 0.7	1.5 - 2	1.5 - 2	1.5 - 2	3.5 - 4	0.5 - 1	1.5 - 2	1 - 1.5	1 - 1.5	2 - 2.5	0.5 - 1	1.5 - 2	
Comments								Duplicate					Duplicate				
VOC																	
Acetone																	
Benzene																	
2-Butanone																	
Carbon Disulfide																	
Chlorobenzene																	
1,1-Dichloroethane																	
1,2-Dichloroethane																	
cis-1,2-Dichloroethene																	
Ethylbenzene																	
Tetrachloroethene																	
Toluene																	
1,1,1-Trichloroethane																	
Trichloroethene																	
Xylene (Total)																	
SVOC																	
Acenaphthene	0.045 J (1.8)		0.017 J (0.37)		0.058 J (1.8)		0.054 J (0.38)			0.43 J (1.9)	U (0.38)	0.033 J (0.38)	0.014 J (0.38)	U (0.37)			
Acenaphthylene	U (1.8)		0.071 J (0.37)		0.18 J (1.8)		0.43 (0.38)			0.15 J (1.9)	U (0.38)	0.091 J (0.38)	0.11 J (0.38)	U (0.37)			
Anthracene	U (1.8)		0.082 J (0.37)		0.33 J (1.8)		0.34 J (0.38)			1.7 J (1.9)	U (0.38)	0.15 J (0.38)	0.12 J (0.38)	U (0.37)			
Benzo(a)anthracene	0.2 (0.18)		0.31 (0.037)		1.5 (0.18)		1 (0.038)			4.3 (0.19)	U (0.038)	0.41 (0.038)	0.26 (0.038)	U (0.037)			
Benzo(a)pyrene	U (0.18)		0.3 (0.037)		1.5 (0.18)		1.1 (0.038)			4.3 (0.19)	U (0.038)	0.46 (0.038)	0.32 (0.038)	U (0.037)			
Benzo(b)fluoranthene	U (0.18)		0.36 (0.037)		1.1 (0.18)		1.8 (0.038)			4.2 (0.19)	U (0.038)	0.59 (0.038)	0.45 (0.038)	U (0.037)			
Benzo(g,h,i)perylene	U (1.8)		0.09 J (0.37)		0.32 J (1.8)		0.33 J (0.38)			1 J (1.9)	U (0.38)	U (0.38)	U (0.38)	U (0.37)			
Benzo(k)fluoranthene	U (0.18)		U (0.037)		1.6 (0.18)		2 (0.038)			4.8 (0.19)	U (0.038)	0.49 (0.038)	0.31 (0.038)	U (0.037)			
bis(2-Ethylhexyl)phthalate	1.1 J (1.8)		0.44 (0.37)		U (1.8)		0.12 J (0.38)			U (1.9)	U (0.38)	U (0.38)	0.096 J (0.38)	U (0.37)			
Carbazole	U (1.8)		0.031 J (0.37)		U (1.8)		0.16 J (0.38)			0.23 J (1.9)	U (0.38)	0.049 J (0.38)	0.026 J (0.38)	U (0.37)			
4-Chloroaniline	U (1.8)		U (0.37)		U (1.8)		U (0.38)			U (1.9)	U (0.38)	U (0.38)	U (0.38)	U (0.37)			
Chrysene	0.35 J (1.8)		0.33 J (0.37)		1.4 J (1.8)		1.5 (0.38)			4.7 (1.9)	U (0.38)	0.5 (0.38)	0.34 J (0.38)	U (0.37)			
Dibenz(a,h)anthracene	U (0.18)		U (0.037)		U (0.18)		0.17 (0.038)			U (0.19)	U (0.038)	U (0.038)	U (0.038)	U (0.037)			
Dibenzofuran	0.037 J (1.8)		0.018 J (0.37)		U (1.8)		0.091 J (0.38)			0.17 J (1.9)	U (0.38)	0.06 J (0.38)	0.043 J (0.38)	U (0.37)			
1,2-Dichlorobenzene	U (1.8)		U (0.37)		U (1.8)		U (0.38)			U (1.9)	U (0.38)	U (0.38)	U (0.38)	U (0.37)			
1,4-Dichlorobenzene	U (1.8)		U (0.37)		U (1.8)		U (0.38)			U (1.9)	U (0.38)	U (0.38)	U (0.38)	U (0.37)			
3,3'-Dichlorobenzidine	U (3.6)		0.09 J (0.74)		U (3.6)		U (0.77)			U (3.8)	U (0.76)	U (0.77)	U (0.77)	U (0.74)			
Dimethylphthalate	U (1.8)		U (0.37)		U (1.8)		U (0.38)			U (1.9)	U (0.38)	U (0.38)	U (0.38)	U (0.37)			
Di-n-butylphthalate	U (1.8)		U (0.37)		U (1.8)		U (0.38)			U (1.9)	U (0.38)	U (0.38)	U (0.38)	U (0.37)			
Fluoranthene	0.23 J (1.8)		0.42 (0.37)		1.8 J (1.8)		1.7 (0.38)			8.1 (1.9)	U (0.38)	0.94 (0.38)	0.35 J (0.38)	U (0.37)			
Fluorene	0.064 J (1.8)		0.021 J (0.37)		0.06 J (1.8)		0.059 J (0.38)			0.42 J (1.9)	U (0.38)	0.035 J (0.38)	0.029 J (0.38)	U (0.37)			
Hexachlorobenzene	U (0.18)		U (0.037)		U (0.18)		U (0.038)			U (0.19)	U (0.038)	U (0.038)	U (0.038)	U (0.037)			
Indeno(1,2,3-cd)pyrene	U (0.18)		0.074 (0.037)		0.35 (0.18)		0.4 (0.038)			1.2 (0.19)	U (0.038)	U (0.038)	U (0.038)	U (0.037)			
2-Methylnaphthalene	0.17 J (1.8)		0.025 J (0.37)		U (1.8)		0.11 J (0.38)			0.12 J (1.9)	U (0.38)	0.082 J (0.38)	0.063 J (0.38)	U (0.37)			
Naphthalene	0.11 J (1.8)		0.035 J (0.37)		U (1.8)		0.22 J (0.38)			0.3 J (1.9)	U (0.38)	0.1 J (0.38)	0.086 J (0.38)	U (0.37)			
3-Nitroaniline	U (3.6)		U (0.74)		U (3.6)		U (0.77)			U (3.8)	U (0.76)	U (0.77)	U (0.77)	U (0.74)			
4-Nitroaniline	U (3.6)		U (0.74)		U (3.6)		U (0.77)			0.74 J (3.8)	U (0.76)	U (0.77)	U (0.77)	U (0.74)			

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

	Area Of Concern	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02	AOC 02
	Location	B201	B201	B201	B202	B202	B202	B202	B202	B202	B202	B203	B203	B204	B204	B204	MW05	MW05
	ENVIRON Sample ID	B201-SS01	B201-SS02	B201-SS02	B202-SS01	B202-SS01	B202-SS02	B202-SS02	B202-SS02D	B202-SS03	B203-SS01	B203-SS02	B204-SS01	B204-SS01D	B204-SS02	MW5-SS01	MW5-SS02
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
	Collection Date	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	8/30/2006	10/5/2006	10/5/2006	10/6/2006	10/6/2006	10/6/2006	8/30/2006	8/30/2006
	Collection Depth (ft)	0.2 - 0.7	1.5 - 2	1.5 - 2	0.2 - 0.7	0.2 - 0.7	1.5 - 2	1.5 - 2	1.5 - 2	3.5 - 4	0.5 - 1	1.5 - 2	1 - 1.5	1 - 1.5	2 - 2.5	0.5 - 1	1.5 - 2
	Comments								Duplicate					Duplicate			
	Nitrobenzene	U (0.18)		U (0.037)		U (0.18)		U (0.038)			0.36 (0.19)	U (0.038)	U (0.038)	U (0.038)	U (0.037)		
	Phenanthrene	0.31 J (1.8)		0.28 J (0.37)		0.84 J (1.8)		0.8 (0.38)			6.5 (1.9)	0.025 J (0.38)	0.56 (0.38)	0.22 J (0.38)	U (0.37)		
	Pyrene	0.51 J (1.8)		0.63 (0.37)		3.2 (1.8)		1.8 (0.38)			12 (1.9)	U (0.38)	0.92 (0.38)	0.59 (0.38)	U (0.37)		
	1,2,4-Trichlorobenzene	U (0.18)		0.022 J (0.037)		U (0.18)		U (0.038)			U (0.19)	U (0.038)	U (0.038)	U (0.038)	U (0.037)		
PCB																	
	PCBs (total)																
	Aroclor-1248																
	Aroclor-1254																
	Aroclor-1268																
INORG																	
	Antimony		U (1.3)		U (1.3)		U (1.3)		U (1.2)	U (1.2)	4.5 (1.3)	U (1.3)	U (1.3)	1.4 B (1.3)	U (1.3)	U (1.3)	U (1.3)
	Arsenic		5.8 (0.72)		8.2 (0.71)		2.2 (0.72)		2.8 (0.65)	2 (0.67)	31.4 (0.74)	1.5 (0.73)	8 (0.74)	5.8 (0.74)	2.1 (0.71)	8.7 (0.72)	9.7 (0.72)
	Barium										3780 (0.39)	41.9 B (0.39)	193 (0.39)	165 (0.39)	36.5 B (0.38)		
	Beryllium		0.49 (0.068)		0.43 (0.067)		0.54 (0.067)		0.5 (0.061)	0.53 (0.063)	0.43 B (0.069)	0.39 B (0.068)	0.4 B (0.069)	0.36 B (0.069)	0.5 (0.066)	0.48 (0.067)	0.51 (0.068)
	Cadmium		0.6 B (0.091)		U (0.089)		U (0.09)		U (0.081)	U (0.084)	3.7 (0.092)	U (0.091)	0.09 B (0.092)	0.1 B (0.093)	U (0.089)	0.13 B (0.089)	0.19 B (0.09)
	Chromium		57.4 (0.36)		26.1 (0.35)		26.3 (0.36)		25.9 (0.32)	21.2 (0.34)	1060 (0.37)	47.7 (0.36)	28.3 (0.37)	22.7 (0.37)	38.9 (0.35)	35.4 (0.36)	28.5 (0.36)
	Copper		55.4 (0.84)		61.1 (0.82)		24.6 (0.83)		29 (0.75)	21.5 (0.78)	154 (0.85)	19.4 (0.84)	56.2 (0.85)	37.8 (0.86)	26.7 (0.82)	53.4 (0.83)	51.5 (0.84)
	Lead		268 (0.61)		130 (0.6)		11.3 (0.61)		9.1 (0.55)	6.8 (0.57)	10300 (3.1)	57.2 (0.61)	237 (0.62)	177 (0.63)	21.1 (0.6)	147 (0.6)	287 (0.61)
	Mercury		0.36 (0.019)		0.57 (0.018)		0.24 (0.019)		0.19 (0.019)	U (0.019)	1.6 (0.019)	0.07 (0.019)	0.38 (0.019)	0.2 (0.019)	0.03 B (0.018)	0.27 (0.019)	0.83 (0.019)
	Nickel		98.5 (0.54)		80.9 (0.53)		121 (0.54)		143 (0.49)	38.9 (0.5)	57.7 (0.55)	157 (0.54)	28.8 (0.55)	28.2 (0.56)	341 (0.53)	116 (0.54)	123 (0.54)
	Selenium		U (0.95)		U (0.93)		U (0.94)		U (0.85)	U (0.88)	3.9 (0.97)	1 B (0.95)	1.1 (0.97)	1.6 (0.97)	U (0.93)	U (0.94)	U (0.95)
	Silver		0.41 B (0.32)		0.39 B (0.31)		U (0.31)		0.4 B (0.28)	U (0.29)	U (0.32)	U (0.32)	U (0.32)	U (0.32)	U (0.31)	0.42 B (0.31)	0.62 B (0.32)
	Zinc		125 (1.3)		113 (1.3)		43.5 (1.3)		81 (1.2)	35.4 (1.2)	336 (1.3)	34.3 (1.3)	205 (1.3)	163 (1.3)	88.9 (1.3)	164 (1.3)	157 (1.3)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 02	AOC 02	AOC 03	AOC 03	AOC 03	AOC 04	AOC 04	AOC 04	AOC 05	AOC 05	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06
Location	MW05	MW05	B301	B301	B302	B401	B402	B402	MW03	MW03	B601	B602	B603	B604	B604
ENVIRON Sample ID	MW5-SS03	MW5-SS03D	B301-SS01	B301-SS02	B302-SS01	B401-SS01	B402-SS01	B402-SS02	MW3-SS01	MW3-SS02	B601-SS01	B602-SS01	B603-SS01	B604-SS01	B604-SS02
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	8/30/2006	8/30/2006	8/30/2006	8/30/2006	10/5/2006	10/4/2006	10/5/2006	10/5/2006	8/28/2006	8/28/2006	8/28/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006
Collection Depth (ft)	3.5 - 4	3.5 - 4	0.3 - 0.8	2 - 2.5	1 - 1.5	1.5 - 2	1 - 1.5	2 - 2.5	0.2 - 0.7	1.5 - 2	1.8 - 2	2 - 2.5	1 - 1.5	1.5 - 2	3.5 - 4
Comments		Duplicate													
VOC															
Acetone														U (0.59)	U (0.53)
Benzene														U (0.12)	U (0.11)
2-Butanone														U (0.59)	U (0.53)
Carbon Disulfide														U (0.59)	U (0.53)
Chlorobenzene														U (0.59)	U (0.53)
1,1-Dichloroethane														U (0.59)	U (0.53)
1,2-Dichloroethane														U (0.24)	U (0.21)
cis-1,2-Dichloroethene														U (0.59)	U (0.53)
Ethylbenzene														U (0.47)	U (0.43)
Tetrachloroethene														U (0.12)	U (0.11)
Toluene														U (0.59)	U (0.53)
1,1,1-Trichloroethane														U (0.59)	U (0.53)
Trichloroethene														U (0.12)	U (0.11)
Xylene (Total)														U (0.59)	U (0.53)
SVOC															
Acenaphthene														U (0.41)	U (0.41)
Acenaphthylene														U (0.41)	U (0.41)
Anthracene														U (0.41)	U (0.41)
Benzo(a)anthracene														U (0.041)	U (0.041)
Benzo(a)pyrene														U (0.041)	U (0.041)
Benzo(b)fluoranthene														U (0.041)	U (0.041)
Benzo(g,h,i)perylene														U (0.41)	U (0.41)
Benzo(k)fluoranthene														U (0.041)	U (0.041)
bis(2-Ethylhexyl)phthalate														0.84 (0.41)	1.9 (0.41)
Carbazole														U (0.41)	U (0.41)
4-Chloroaniline														U (0.41)	U (0.41)
Chrysene														U (0.41)	U (0.41)
Dibenz(a,h)anthracene														U (0.041)	U (0.041)
Dibenzofuran														U (0.41)	U (0.41)
1,2-Dichlorobenzene														U (0.41)	U (0.41)
1,4-Dichlorobenzene														U (0.41)	U (0.41)
3,3'-Dichlorobenzidine														U (0.81)	U (0.83)
Dimethylphthalate														U (0.41)	U (0.41)
Di-n-butylphthalate														U (0.41)	U (0.41)
Fluoranthene														U (0.41)	U (0.41)
Fluorene														U (0.41)	U (0.41)
Hexachlorobenzene														U (0.041)	U (0.041)
Indeno(1,2,3-cd)pyrene														U (0.041)	U (0.041)
2-Methylnaphthalene														U (0.41)	U (0.41)
Naphthalene														U (0.41)	U (0.41)
3-Nitroaniline														U (0.81)	U (0.83)
4-Nitroaniline														U (0.81)	U (0.83)

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

	Area Of Concern	AOC 02	AOC 02	AOC 03	AOC 03	AOC 03	AOC 04	AOC 04	AOC 04	AOC 05	AOC 05	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06
	Location	MW05	MW05	B301	B301	B302	B401	B402	B402	MW03	MW03	B601	B602	B603	B604	B604
	ENVIRON Sample ID	MW5-SS03	MW5-SS03D	B301-SS01	B301-SS02	B302-SS01	B401-SS01	B402-SS01	B402-SS02	MW3-SS01	MW3-SS02	B601-SS01	B602-SS01	B603-SS01	B604-SS01	B604-SS02
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
	Collection Date	8/30/2006	8/30/2006	8/30/2006	8/30/2006	10/5/2006	10/4/2006	10/5/2006	10/5/2006	8/28/2006	8/28/2006	8/28/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006
	Collection Depth (ft)	3.5 - 4	3.5 - 4	0.3 - 0.8	2 - 2.5	1 - 1.5	1.5 - 2	1 - 1.5	2 - 2.5	0.2 - 0.7	1.5 - 2	1.8 - 2	2 - 2.5	1 - 1.5	1.5 - 2	3.5 - 4
	Comments		Duplicate													
	Nitrobenzene														U (0.041)	U (0.041)
	Phenanthrene														U (0.41)	U (0.41)
	Pyrene														U (0.41)	U (0.41)
	1,2,4-Trichlorobenzene														U (0.041)	U (0.041)
PCB																
	PCBs (total)															
	Aroclor-1248															
	Aroclor-1254															
	Aroclor-1268															
INORG																
	Antimony	U (1.3)	U (1.3)	6.2 (1.4)	U (1.3)	14.4 (1.2)	2.1 B (1.5)	1.1 B (1.1)	U (1.2)	U (1.4)	U (1.3)	7.5 (1.4)	U (1.1)	U (1.1)	U (1.2)	U (1.2)
	Arsenic	4.4 (0.72)	3.5 (0.72)	44.4 (0.76)	10.4 (0.73)	188 (1.1)	30.8 (0.8)	559 (1)	97.5 (1.1)	4 (0.75)	4 (0.74)	8.9 (0.77)	5.1 (1)	1.4 (1)	3.8 (1.1)	4.5 (1.1)
	Barium					584 (0.32)	1250 (0.43)	175 (0.3)	87.3 (0.31)	1320 (0.4)	594 (0.39)	2280 (0.41)	1420 (0.3)	1800 (0.29)	54.2 (0.32)	52.9 (0.32)
	Beryllium	0.53 (0.067)	0.48 (0.067)	0.4 B (0.071)	0.56 (0.069)	0.12 B (0.024)	0.14 B (0.075)	0.33 B (0.023)	0.32 B (0.023)	0.14 B (0.071)	0.29 B (0.069)	0.47 (0.072)	0.51 (0.023)	0.16 B (0.023)	0.31 B (0.024)	0.35 B (0.025)
	Cadmium	U (0.09)	0.17 B (0.09)	1.4 (0.095)	0.23 B (0.092)	1.3 (0.12)	U (0.1)	0.2 B (0.11)	0.29 B (0.12)	0.09 B (0.094)	U (0.092)	5 (0.097)	5.8 (0.11)	0.6 B (0.11)	0.13 B (0.12)	0.17 B (0.12)
	Chromium	29.9 (0.36)	26.1 (0.36)	138 (0.38)	74.9 (0.37)	146 (0.68)	144 (0.4)	265 (0.64)	67.5 (0.66)	109 (0.38)	41.2 (0.37)	329 (0.39)	545 (0.64)	15.3 (0.63)	25.7 (0.68)	25.6 (0.7)
	Copper	33 (0.83)	30.1 (0.83)	101 (0.88)	70 (0.85)	165 (0.75)	48.7 (0.93)	164 (0.71)	45.7 (0.73)	52.8 (0.87)	25.4 (0.85)	50.5 (0.89)	28.1 (0.71)	34.6 (0.7)	13 (0.76)	13.1 (0.77)
	Lead	61 (0.61)	22.3 (0.61)	1120 (0.64)	178 (0.62)	1420 (0.53)	1460 (0.68)	681 (0.5)	28.9 (0.52)	970 (0.64)	75.4 (0.62)	2060 (0.65)	1490 (0.5)	191 (0.5)	9.5 (0.54)	11.3 (0.55)
	Mercury	0.12 (0.019)	0.06 (0.016)	0.89 (0.02)	0.24 (0.019)	0.51 (0.02)	0.44 (0.021)	0.08 (0.019)	U (0.02)	0.07 (0.02)	0.05 (0.016)	0.6 (0.02)	0.11 (0.019)	0.06 (0.019)	0.02 B (0.02)	0.04 (0.018)
	Nickel	139 (0.54)	150 (0.54)	36.4 (0.57)	186 (0.55)	33.5 (0.95)	49 (0.6)	96 (0.89)	124 (0.92)	25.3 (0.57)	63.1 (0.55)	84.4 (0.58)	94.9 (0.89)	10.5 (0.88)	41.6 (0.95)	43.4 (0.97)
	Selenium	U (0.94)	U (0.94)	U (1)	U (0.96)	6.1 (1.2)	U (1.1)	U (1.1)	U (1.1)	1.1 B (0.99)	U (0.97)	U (1)	1.1 (1.1)	1.8 (1.1)	U (1.2)	1.4 (1.2)
	Silver	U (0.31)	0.57 B (0.31)	0.51 B (0.33)	0.42 B (0.32)	U (0.29)	U (0.35)	U (0.27)	U (0.28)	U (0.33)	U (0.32)	U (0.34)	U (0.27)	U (0.27)	U (0.29)	U (0.3)
	Zinc	54.6 (1.3)	66.6 (1.3)	330 (1.4)	243 (1.3)	75.1 (1.4)	37.4 (1.5)	49.6 (1.3)	34.3 (1.4)	41.8 (1.4)	31 (1.3)	152 (1.4)	240 (1.3)	38.7 (1.3)	34.8 (1.4)	34.8 (1.4)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 07	AOC 07	AOC 07	AOC 07	AOC 07	AOC 08	AOC 08	AOC 09
Location	B604	B605	B606	B606	MW02	MW02	MW02	MW02	B701	B701	B702	B702	B703	B801	B801	B901
ENVIRON Sample ID	B604-SS03	B605-SS01	B606-SS01	B606-SS01D	MW2-SS01	MW2-SS02	MW02-SS01	MW02-SS01D	B701-SS01	B701-SS02	B702-SS01	B702-SS02	B703-SS01	B801-SS01	B801-SS02	B901-SS01
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	10/5/2006	10/5/2006	10/5/2006	10/5/2006	8/28/2006	8/28/2006	10/6/2006	10/6/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	10/4/2006	8/28/2006	8/28/2006	8/28/2006
Collection Depth (ft)	4.5 - 5	1.5 - 2	1.5 - 2	1.5 - 2	2 - 2.5	4 - 4.5	1.5 - 2	1.5 - 2	0.5 - 1	1.5 - 2	0.5 - 1	2 - 2.5	0.5 - 1	0.5 - 1	2 - 2.5	0.5 - 1
Comments				Duplicate				Duplicate								
VOC																
Acetone	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	0.019 B (0.0046)
Benzene	U (0.12)									U (0.0011)		U (0.0009)			U (0.0011)	0.0008 J (0.0009)
2-Butanone	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
Carbon Disulfide	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
Chlorobenzene	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
1,1-Dichloroethane	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
1,2-Dichloroethane	U (0.23)									U (0.0022)		U (0.0017)			U (0.0023)	U (0.0018)
cis-1,2-Dichloroethene	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
Ethylbenzene	U (0.46)									U (0.0044)		U (0.0034)			U (0.0045)	U (0.0037)
Tetrachloroethene	U (0.12)									U (0.0011)		U (0.0009)			U (0.0011)	U (0.0009)
Toluene	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
1,1,1-Trichloroethane	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
Trichloroethene	U (0.12)									U (0.0011)		U (0.0009)			U (0.0011)	U (0.0009)
Xylene (Total)	U (0.58)									U (0.0055)		U (0.0043)			U (0.0057)	U (0.0046)
SVOC																
Acenaphthene	U (0.41)															
Acenaphthylene	U (0.41)															
Anthracene	U (0.41)															
Benzo(a)anthracene	U (0.041)															
Benzo(a)pyrene	U (0.041)															
Benzo(b)fluoranthene	U (0.041)															
Benzo(g,h,i)perylene	U (0.41)															
Benzo(k)fluoranthene	U (0.041)															
bis(2-Ethylhexyl)phthalate	0.58 (0.41)															
Carbazole	U (0.41)															
4-Chloroaniline	U (0.41)															
Chrysene	U (0.41)															
Dibenz(a,h)anthracene	U (0.041)															
Dibenzofuran	U (0.41)															
1,2-Dichlorobenzene	U (0.41)															
1,4-Dichlorobenzene	U (0.41)															
3,3'-Dichlorobenzidine	U (0.83)															
Dimethylphthalate	U (0.41)															
Di-n-butylphthalate	U (0.41)															
Fluoranthene	U (0.41)															
Fluorene	U (0.41)															
Hexachlorobenzene	U (0.041)															
Indeno(1,2,3-cd)pyrene	U (0.041)															
2-Methylnaphthalene	U (0.41)															
Naphthalene	U (0.41)															
3-Nitroaniline	U (0.83)															
4-Nitroaniline	U (0.83)															

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

	Area Of Concern	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 06	AOC 07	AOC 07	AOC 07	AOC 07	AOC 07	AOC 08	AOC 08	AOC 09
	Location	B604	B605	B606	B606	MW02	MW02	MW02	MW02	B701	B701	B702	B702	B703	B801	B801	B901
	ENVIRON Sample ID	B604-SS03	B605-SS01	B606-SS01	B606-SS01D	MW2-SS01	MW2-SS02	MW02-SS01	MW02-SS01D	B701-SS01	B701-SS02	B702-SS01	B702-SS02	B703-SS01	B801-SS01	B801-SS02	B901-SS01
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
	Collection Date	10/5/2006	10/5/2006	10/5/2006	10/5/2006	8/28/2006	8/28/2006	10/6/2006	10/6/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	10/4/2006	8/28/2006	8/28/2006	8/28/2006
	Collection Depth (ft)	4.5 - 5	1.5 - 2	1.5 - 2	1.5 - 2	2 - 2.5	4 - 4.5	1.5 - 2	1.5 - 2	0.5 - 1	1.5 - 2	0.5 - 1	2 - 2.5	0.5 - 1	0.5 - 1	2 - 2.5	0.5 - 1
	Comments				Duplicate				Duplicate								
	Nitrobenzene	U (0.041)															
	Phenanthrene	U (0.41)															
	Pyrene	U (0.41)															
	1,2,4-Trichlorobenzene	U (0.041)															
PCB																	
	PCBs (total)																
	Aroclor-1248																
	Aroclor-1254																
	Aroclor-1268																
INORG																	
	Antimony	U (1.2)	U (1.1)	2.1 B (1.2)	1.4 B (1.2)	U (1.4)	U (1.3)	U (1.3)	U (1.3)	9.6 (1.4)	2.7 (1.5)	U (1.3)	U (1.3)	10.8 (1.3)	U (1.4)	U (1.4)	U (1.1)
	Arsenic	5.2 (1.1)	4.4 (1)	34.8 (1.1)	18.3 (1.1)	11.6 (0.77)	2.6 (0.73)	4.4 (0.72)	2.9 (0.72)	7.3 (0.76)	6.9 (0.82)	1.6 (0.71)	1.5 (0.7)	6.7 (0.72)	4.1 (0.78)	2.2 (0.78)	3.9 (0.99)
	Barium	63 (0.32)	31.9 B (0.3)	1940 (0.31)	985 (0.31)	102 (0.41)	54.6 (0.39)	47.7 (0.38)	64.4 (0.38)	428 (0.4)	164 (0.44)	29.9 B (0.38)	27 B (0.37)	243 (0.38)	64.8 (0.41)	56.1 (0.41)	59.4 (0.29)
	Beryllium	0.69 (0.025)	0.48 (0.023)	0.4 B (0.024)	0.4 B (0.024)	1.4 (0.072)	0.45 (0.068)	0.64 (0.067)	0.59 (0.068)	0.25 B (0.071)	0.31 B (0.077)	0.45 (0.067)	0.33 B (0.066)	0.51 (0.068)	0.75 (0.073)	0.61 (0.073)	0.5 (0.022)
	Cadmium	0.56 B (0.12)	0.28 B (0.12)	0.55 B (0.12)	0.5 B (0.12)	U (0.097)	U (0.091)	0.17 B (0.09)	0.47 B (0.09)	0.13 B (0.094)	0.27 B (0.1)	U (0.089)	U (0.088)	0.45 B (0.09)	U (0.097)	U (0.097)	U (0.11)
	Chromium	47.1 (0.69)	27.6 (0.65)	75.4 (0.67)	53.8 (0.67)	113 (0.39)	29.3 (0.36)	63 (0.36)	47.7 (0.36)	45 (0.38)	45 (0.41)	37.3 (0.36)	26.3 (0.35)	62.8 (0.36)	54.7 (0.39)	56.3 (0.39)	29.7 (0.62)
	Copper	30.8 (0.77)	31.2 (0.72)	75.9 (0.74)	69.5 (0.74)	87 (0.89)	17.6 (0.84)	34.8 (0.83)	40.2 (0.83)	94.9 (0.87)	124 (0.95)	16.1 (0.82)	17.4 (0.81)	105 (0.83)	24.9 (0.9)	17.3 (0.9)	29.3 (0.68)
	Lead	11.9 (0.55)	18.8 (0.51)	230 (0.52)	175 (0.53)	20.5 (0.65)	6.3 (0.61)	22.6 (0.61)	40.1 (0.61)	884 (0.64)	139 (0.69)	14.3 (0.6)	5.2 (0.59)	1000 (0.61)	10.4 (0.66)	7.7 (0.66)	61.1 (0.49)
	Mercury	0.05 (0.021)	0.05 (0.019)	8.9 (0.2)	2.8 (0.06)	U (0.02)	U (0.016)	0.07 (0.016)	0.03 (0.019)	0.76 (0.02)	0.28 (0.018)	0.03 B (0.018)	U (0.018)	0.37 (0.019)	U (0.02)	U (0.017)	0.19 (0.018)
	Nickel	122 (0.97)	54 (0.9)	146 (0.93)	163 (0.94)	623 (0.58)	218 (0.54)	89.9 (0.54)	68.5 (0.54)	75.3 (0.57)	203 (0.62)	181 (0.53)	247 (0.53)	146 (0.54)	278 (0.58)	265 (0.58)	145 (0.86)
	Selenium	1.4 (1.2)	U (1.1)	1.8 (1.1)	U (1.2)	U (1)	U (0.95)	U (0.94)	U (0.95)	1.5 (0.99)	1.2 B (1.1)	U (0.93)	U (0.92)	U (0.95)	U (1)	U (1)	U (1.1)
	Silver	U (0.3)	U (0.28)	U (0.29)	U (0.29)	U (0.34)	U (0.32)	U (0.31)	U (0.32)	U (0.33)	U (0.36)	U (0.31)	U (0.31)	U (0.32)	U (0.34)	U (0.34)	U (0.26)
	Zinc	44.9 (1.4)	30.2 (1.3)	68.6 (1.4)	69.7 (1.4)	49.2 (1.4)	33.4 (1.3)	64.2 (1.3)	104 (1.3)	85.7 (1.4)	105 (1.5)	45.5 (1.3)	53.4 (1.3)	339 (1.3)	55 (1.4)	44.6 (1.4)	72 (1.3)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 13	AOC 13	AOC 14	AOC 14
Location	B901	B902	B902	B903	B903	B904	B904	B904	B905	B905	B1301	B1301	B1401	B1401
ENVIRON Sample ID	B901-SS02	B902-SS01	B902-SS02	B903-SS01	B903-SS02	B904-SS01	B904-SS01D	B904-SS02	B905-SS01	B905-SS02	B1301-SS01	B1301-SS02	B1401-SS01	B1401-SS02
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/30/2006	8/30/2006	8/28/2006	8/28/2006
Collection Depth (ft)	2 - 2.5	0.2 - 0.7	2 - 2.5	0.3 - 0.8	2 - 2.5	0.3 - 0.8	0.3 - 0.8	2 - 2.5	1.5 - 2	3 - 3.5	1.5 - 2	3.5 - 4	0.5 - 1	3.5 - 4
Comments							Field Duplicate							
VOC														
Acetone	0.021 B (0.0046)	0.021 B (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	0.032 B (0.0054)	0.028 B (0.005)	0.032 B (0.0046)	0.04 B (0.0048)	0.022 B (0.005)	U (0.62)	U (0.0053)		
Benzene	U (0.0009)	U (0.0009)	U (0.001)	U (0.0009)	U (0.0009)	U (0.0011)	U (0.001)	U (0.0009)	U (0.001)	U (0.001)	U (0.12)	U (0.001)		
2-Butanone	U (0.0046)	U (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	U (0.0046)	U (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
Carbon Disulfide	U (0.0046)	U (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	U (0.0046)	0.0006 J (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
Chlorobenzene	U (0.0046)	U (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	U (0.0046)	U (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
1,1-Dichloroethane	U (0.0046)	U (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	U (0.0046)	U (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
1,2-Dichloroethane	U (0.0018)	U (0.0018)	U (0.0019)	U (0.0017)	U (0.0018)	U (0.0022)	U (0.002)	U (0.0018)	U (0.0019)	U (0.002)	U (0.25)	U (0.0021)		
cis-1,2-Dichloroethene	U (0.0046)	U (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	U (0.0046)	U (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
Ethylbenzene	U (0.0036)	U (0.0037)	U (0.0038)	U (0.0034)	U (0.0037)	U (0.0043)	U (0.004)	U (0.0037)	U (0.0038)	U (0.004)	U (0.5)	U (0.0042)		
Tetrachloroethene	U (0.0009)	U (0.0009)	U (0.001)	U (0.0009)	U (0.0009)	U (0.0011)	U (0.001)	U (0.0009)	U (0.001)	U (0.001)	U (0.12)	U (0.001)		
Toluene	U (0.0046)	U (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	U (0.0046)	U (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
1,1,1-Trichloroethane	U (0.0046)	U (0.0046)	U (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	U (0.0046)	U (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
Trichloroethene	U (0.0009)	U (0.0009)	U (0.001)	U (0.0009)	U (0.0009)	U (0.0011)	U (0.001)	U (0.0009)	U (0.001)	U (0.001)	U (0.12)	U (0.001)		
Xylene (Total)	U (0.0046)	U (0.0046)	0.0008 J (0.0048)	U (0.0043)	U (0.0046)	U (0.0054)	U (0.005)	0.0014 J (0.0046)	U (0.0048)	U (0.005)	U (0.62)	U (0.0053)		
SVOC														
Acenaphthene											0.032 J (0.75)	U (0.38)	0.014 J (0.38)	U (0.4)
Acenaphthylene											0.043 J (0.75)	U (0.38)	U (0.38)	0.082 J (0.4)
Anthracene											0.1 J (0.75)	U (0.38)	0.048 J (0.38)	0.15 J (0.4)
Benzo(a)anthracene											0.47 (0.075)	U (0.038)	0.23 (0.038)	0.57 (0.04)
Benzo(a)pyrene											0.54 (0.075)	U (0.038)	0.18 (0.038)	0.54 (0.04)
Benzo(b)fluoranthene											0.64 (0.075)	U (0.038)	0.16 (0.038)	0.39 (0.04)
Benzo(g,h,i)perylene											0.26 J (0.75)	U (0.38)	0.058 J (0.38)	0.15 J (0.4)
Benzo(k)fluoranthene											0.76 (0.075)	U (0.038)	0.15 (0.038)	0.46 (0.04)
bis(2-Ethylhexyl)phthalate											1.2 (0.75)	U (0.38)	0.16 J (0.38)	0.087 J (0.4)
Carbazole											0.047 J (0.75)	U (0.38)	U (0.38)	0.041 J (0.4)
4-Chloroaniline											U (0.75)	U (0.38)	U (0.38)	U (0.4)
Chrysene											0.74 J (0.75)	U (0.38)	0.22 J (0.38)	0.52 (0.4)
Dibenz(a,h)anthracene											U (0.075)	U (0.038)	U (0.038)	U (0.04)
Dibenzofuran											0.048 J (0.75)	U (0.38)	U (0.38)	U (0.4)
1,2-Dichlorobenzene											0.032 J (0.75)	U (0.38)	U (0.38)	U (0.4)
1,4-Dichlorobenzene											0.019 J (0.75)	U (0.38)	U (0.38)	U (0.4)
3,3'-Dichlorobenzidine											U (1.5)	U (0.77)	U (0.77)	U (0.8)
Dimethylphthalate											U (0.75)	U (0.38)	U (0.38)	U (0.4)
Di-n-butylphthalate											U (0.75)	U (0.38)	U (0.38)	U (0.4)
Fluoranthene											0.81 (0.75)	U (0.38)	0.33 J (0.38)	0.86 (0.4)
Fluorene											0.042 J (0.75)	U (0.38)	U (0.38)	0.032 J (0.4)
Hexachlorobenzene											U (0.075)	U (0.038)	U (0.038)	U (0.04)
Indeno(1,2,3-cd)pyrene											0.25 (0.075)	U (0.038)	0.063 (0.038)	0.17 (0.04)
2-Methylnaphthalene											0.19 J (0.75)	U (0.38)	U (0.38)	U (0.4)
Naphthalene											0.13 J (0.75)	U (0.38)	U (0.38)	U (0.4)
3-Nitroaniline											U (1.5)	U (0.77)	U (0.77)	U (0.8)
4-Nitroaniline											U (1.5)	U (0.77)	U (0.77)	U (0.8)

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

	Area Of Concern	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 09	AOC 13	AOC 13	AOC 14	AOC 14
	Location	B901	B902	B902	B903	B903	B904	B904	B904	B905	B905	B1301	B1301	B1401	B1401
	ENVIRON Sample ID	B901-SS02	B902-SS01	B902-SS02	B903-SS01	B903-SS02	B904-SS01	B904-SS01D	B904-SS02	B905-SS01	B905-SS02	B1301-SS01	B1301-SS02	B1401-SS01	B1401-SS02
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
	Collection Date	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/30/2006	8/30/2006	8/28/2006	8/28/2006
	Collection Depth (ft)	2 - 2.5	0.2 - 0.7	2 - 2.5	0.3 - 0.8	2 - 2.5	0.3 - 0.8	0.3 - 0.8	2 - 2.5	1.5 - 2	3 - 3.5	1.5 - 2	3.5 - 4	0.5 - 1	3.5 - 4
	Comments							Field Duplicate							
	Nitrobenzene											0.019 J (0.075)	U (0.038)	U (0.038)	U (0.04)
	Phenanthrene											0.56 J (0.75)	U (0.38)	0.22 J (0.38)	0.55 (0.4)
	Pyrene											1.5 (0.75)	U (0.38)	0.35 J (0.38)	0.81 (0.4)
	1,2,4-Trichlorobenzene											U (0.075)	U (0.038)	U (0.038)	U (0.04)
PCB															
	PCBs (total)													3.3 (0.39)	U (0.067)
	Aroclor-1248													3.3 (0.39)	U (0.067)
	Aroclor-1254													U (0.39)	U (0.067)
	Aroclor-1268													U (0.39)	U (0.067)
INORG															
	Antimony	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1)	U (1.1)	U (1.3)	U (1.3)	U (1)	U (1.2)
	Arsenic	2.9 (1)	1.2 (1)	3.6 (1)	3 (1)	2.8 (1)	3.7 (1.1)	3.7 (1)	5.1 (1)	6.1 (0.92)	2.3 (1)	33.4 (0.72)	30.3 (0.74)	70.4 (0.94)	4.1 (1.1)
	Barium	63.8 (0.29)	58.6 (0.29)	39.1 B (0.3)	49.9 (0.29)	60.5 (0.29)	58.6 (0.3)	57.6 (0.3)	91.4 (0.3)	105 (0.26)	83.3 (0.3)			81.8 (0.27)	48.4 (0.31)
	Beryllium	0.6 (0.023)	0.41 B (0.022)	0.85 (0.023)	0.51 (0.023)	0.59 (0.023)	0.56 (0.023)	0.53 (0.023)	0.59 (0.023)	0.52 (0.02)	0.52 (0.023)	0.52 (0.068)	0.32 B (0.069)	0.57 (0.021)	0.47 (0.024)
	Cadmium	U (0.11)	U (0.11)	U (0.11)	U (0.11)	U (0.11)	U (0.12)	U (0.12)	U (0.11)	0.13 B (0.1)	U (0.11)	0.58 B (0.09)	U (0.092)	U (0.1)	U (0.12)
	Chromium	29.7 (0.63)	26.4 (0.62)	30.4 (0.64)	39.2 (0.63)	46.2 (0.63)	37.5 (0.65)	37.3 (0.65)	37.5 (0.64)	34.8 (0.57)	29.4 (0.64)	46.7 (0.36)	61 (0.37)	49.7 (0.59)	27.3 (0.67)
	Copper	42.6 (0.7)	12.8 (0.69)	24 (0.71)	45.9 (0.7)	43.7 (0.7)	39.2 (0.72)	36.2 (0.72)	54 (0.71)	37 (0.63)	56.8 (0.71)	109 (0.84)	24.8 (0.85)	46.7 (0.65)	20 (0.75)
	Lead	79.6 (0.5)	9.4 (0.49)	8.5 (0.5)	41.7 (0.5)	49.9 (0.5)	85.2 (0.51)	82.8 (0.51)	144 (0.51)	121 (0.45)	65.6 (0.5)	288 (0.61)	6.8 (0.62)	172 (0.46)	59 (0.53)
	Mercury	0.29 (0.019)	0.03 B (0.019)	0.02 B (0.016)	0.16 (0.019)	0.17 (0.019)	0.19 (0.019)	0.2 (0.019)	0.17 (0.019)	0.17 (0.019)	0.24 (0.019)	0.28 (0.019)	U (0.019)	0.14 (0.016)	0.28 (0.02)
	Nickel	130 (0.88)	118 (0.87)	234 (0.89)	160 (0.88)	175 (0.88)	156 (0.91)	153 (0.9)	174 (0.9)	167 (0.79)	149 (0.89)	58.9 (0.54)	280 (0.55)	81.2 (0.82)	57 (0.94)
	Selenium	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (1.1)	U (0.98)	U (1.1)	2.3 (0.95)	U (0.97)	U (1)	U (1.2)
	Silver	U (0.27)	U (0.27)	U (0.27)	U (0.27)	U (0.27)	U (0.28)	U (0.28)	U (0.28)	U (0.24)	U (0.27)	0.53 B (0.32)	0.38 B (0.32)	U (0.25)	U (0.29)
	Zinc	57.6 (1.3)	30.1 (1.3)	52.8 (1.3)	68.8 (1.3)	56.6 (1.3)	67.8 (1.4)	65.5 (1.3)	99.3 (1.3)	116 (1.2)	130 (1.3)	112 (1.3)	39.7 (1.3)	60.6 (1.2)	75.1 (1.4)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14
Location	B1402	B1402	B1403	B1404	B1404	B1405	B1405	B1406	B1406	B1407	B1407	B1408	B1408	B1408	B1410
ENVIRON Sample ID	B1402-SS01	B1402-SS02	B1403-SS01	B1404-SS01	B1404-SS02	B1405-SS01	B1405-SS02	B1406-SS01	B1406-SS02	B1407-SS01	B1407-SS02	B1408-SS01	B1408-SS02	B1408-SS02D	B1410-SS01
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006
Collection Depth (ft)	0.5 - 1	6 - 6.5	1.5 - 2	1.5 - 2	6 - 6.5	1.5 - 2	3.5 - 4	0.5 - 1	2.5 - 3	0.5 - 1	3.5 - 4	1 - 1.5	3.5 - 4	3.5 - 4	1.5 - 2
Comments														Duplicate	
VOC															
Acetone										0.066 B (0.0051)	U (0.0046)				
Benzene										0.0024 (0.001)	U (0.0009)				
2-Butanone										U (0.0051)	U (0.0046)				
Carbon Disulfide										U (0.0051)	U (0.0046)				
Chlorobenzene										U (0.0051)	U (0.0046)				
1,1-Dichloroethane										U (0.0051)	U (0.0046)				
1,2-Dichloroethane										U (0.002)	U (0.0018)				
cis-1,2-Dichloroethene										0.014 (0.0051)	U (0.0046)				
Ethylbenzene										0.0078 (0.0041)	U (0.0036)				
Tetrachloroethene										0.0009 J (0.001)	U (0.0009)				
Toluene										0.003 J (0.0051)	U (0.0046)				
1,1,1-Trichloroethane										U (0.0051)	U (0.0046)				
Trichloroethene										0.0009 J (0.001)	U (0.0009)				
Xylene (Total)										0.11 (0.0051)	U (0.0046)				
SVOC															
Acenaphthene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.012 J (0.37)	U (0.37)	U (0.38)	0.036 J (0.81)	U (1800)	0.44 (0.39)	5.6 J (20)	0.011 J (0.4)	0.016 J (0.4)	0.011 J (0.38)
Acenaphthylene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.13 J (0.37)	U (0.37)	0.015 J (0.38)	U (0.81)	U (1800)	0.035 J (0.39)	3.9 J (20)	0.02 J (0.4)	0.024 J (0.4)	0.034 J (0.38)
Anthracene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.075 J (0.37)	U (0.37)	0.024 J (0.38)	0.083 J (0.81)	U (1800)	0.86 (0.39)	41 (20)	0.024 J (0.4)	0.021 J (0.4)	0.041 J (0.38)
Benzo(a)anthracene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	1.1 (0.037)	U (0.037)	0.11 (0.038)	0.29 (0.081)	U (180)	2.1 (0.039)	93 (2)	0.11 (0.04)	0.12 (0.04)	0.2 (0.038)
Benzo(a)pyrene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	0.58 (0.037)	U (0.037)	0.12 (0.038)	0.34 (0.081)	U (180)	1.7 (0.039)	74 (2)	0.1 (0.04)	0.14 (0.04)	0.21 (0.038)
Benzo(b)fluoranthene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	0.57 (0.037)	U (0.037)	0.15 (0.038)	0.34 (0.081)	U (180)	1.3 (0.039)	60 (2)	0.096 (0.04)	U (0.04)	0.23 (0.038)
Benzo(g,h,i)perylene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.17 J (0.37)	U (0.37)	U (0.38)	0.1 J (0.81)	U (1800)	0.42 (0.39)	26 (20)	0.057 J (0.4)	0.064 J (0.4)	0.073 J (0.38)
Benzo(k)fluoranthene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	0.62 (0.037)	U (0.037)	0.16 (0.038)	0.47 (0.081)	U (180)	1.5 (0.039)	89 (2)	0.11 (0.04)	U (0.04)	0.31 (0.038)
bis(2-Ethylhexyl)phthalate		U (0.4)	5 (3.8)	U (3.7)	U (0.4)	0.13 J (0.37)	0.08 J (0.37)	4.7 (0.38)	7.8 (0.81)	20000 (1800)	0.83 (0.39)	7.7 J (20)	0.12 J (0.4)	0.21 J (0.4)	0.49 (0.38)
Carbazole		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.037 J (0.37)	U (0.37)	0.012 J (0.38)	0.044 J (0.81)	U (1800)	0.022 J (0.39)	7.5 J (20)	0.012 J (0.4)	0.015 J (0.4)	0.037 J (0.38)
4-Chloroaniline		U (0.4)	U (3.8)	U (3.7)	U (0.4)	U (0.37)	U (0.37)	0.032 J (0.38)	U (0.81)	U (1800)	U (0.39)	U (20)	U (0.4)	U (0.4)	U (0.38)
Chrysene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.52 (0.37)	U (0.37)	0.13 J (0.38)	0.38 J (0.81)	U (1800)	2.8 (0.39)	83 (20)	0.14 J (0.4)	0.15 J (0.4)	0.25 J (0.38)
Dibenz(a,h)anthracene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	0.079 (0.037)	U (0.037)	U (0.038)	U (0.081)	U (180)	0.23 (0.039)	13 (2)	0.017 J (0.04)	U (0.04)	U (0.038)
Dibenzofuran		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.0095 J (0.37)	U (0.37)	U (0.38)	0.019 J (0.81)	U (1800)	U (0.39)	7.2 J (20)	U (0.4)	U (0.4)	0.01 J (0.38)
1,2-Dichlorobenzene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	U (0.37)	U (0.37)	U (0.38)	U (0.81)	U (1800)	U (0.39)	U (20)	U (0.4)	U (0.4)	U (0.38)
1,4-Dichlorobenzene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	U (0.37)	U (0.37)	U (0.38)	U (0.81)	U (1800)	U (0.39)	U (20)	U (0.4)	U (0.4)	U (0.38)
3,3'-Dichlorobenzidine		U (0.8)	U (7.6)	U (7.4)	U (0.8)	U (0.74)	U (0.74)	0.066 J (0.76)	U (1.6)	U (3600)	U (0.78)	U (39)	U (0.79)	U (0.8)	0.044 J (0.77)
Dimethylphthalate		U (0.4)	27 (3.8)	U (3.7)	U (0.4)	U (0.37)	U (0.37)	0.32 J (0.38)	U (0.81)	U (1800)	U (0.39)	U (20)	U (0.4)	U (0.4)	U (0.38)
Di-n-butylphthalate		U (0.4)	33 (3.8)	6.2 (3.7)	U (0.4)	U (0.37)	U (0.37)	U (0.38)	U (0.81)	U (1800)	U (0.39)	U (20)	U (0.4)	U (0.4)	U (0.38)
Fluoranthene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.79 (0.37)	U (0.37)	0.18 J (0.38)	0.58 J (0.81)	U (1800)	2.4 (0.39)	190 (20)	0.21 J (0.4)	0.21 J (0.4)	0.45 (0.38)
Fluorene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	U (0.37)	U (0.37)	U (0.38)	0.028 J (0.81)	U (1800)	0.27 J (0.39)	14 J (20)	U (0.4)	0.0094 J (0.4)	0.015 J (0.38)
Hexachlorobenzene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	U (0.037)	U (0.037)	U (0.038)	0.087 (0.081)	U (180)	U (0.039)	U (2)	U (0.04)	U (0.04)	U (0.038)
Indeno(1,2,3-cd)pyrene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	0.19 (0.037)	U (0.037)	U (0.038)	0.11 (0.081)	U (180)	0.37 (0.039)	29 (2)	0.064 (0.04)	0.061 (0.04)	0.055 (0.038)
2-Methylnaphthalene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.01 J (0.37)	U (0.37)	U (0.38)	0.055 J (0.81)	U (1800)	0.098 J (0.39)	1.1 J (20)	0.012 J (0.4)	0.016 J (0.4)	0.12 J (0.38)
Naphthalene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.028 J (0.37)	U (0.37)	0.013 J (0.38)	0.04 J (0.81)	U (1800)	0.026 J (0.39)	1.2 J (20)	0.031 J (0.4)	0.037 J (0.4)	0.073 J (0.38)
3-Nitroaniline		U (0.8)	U (7.6)	U (7.4)	U (0.8)	U (0.74)	U (0.74)	0.04 J (0.76)	U (1.6)	U (3600)	U (0.78)	U (39)	U (0.79)	U (0.8)	U (0.77)
4-Nitroaniline		U (0.8)	U (7.6)	U (7.4)	U (0.8)	U (0.74)	U (0.74)	U (0.76)	U (1.6)	U (3600)	U (0.78)	U (39)	U (0.79)	U (0.8)	U (0.77)

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

	Area Of Concern	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14	AOC 14
	Location	B1402	B1402	B1403	B1404	B1404	B1405	B1405	B1406	B1406	B1407	B1407	B1408	B1408	B1408	B1410
	ENVIRON Sample ID	B1402-SS01	B1402-SS02	B1403-SS01	B1404-SS01	B1404-SS02	B1405-SS01	B1405-SS02	B1406-SS01	B1406-SS02	B1407-SS01	B1407-SS02	B1408-SS01	B1408-SS02	B1408-SS02D	B1410-SS01
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
	Collection Date	8/28/2006	8/28/2006	8/28/2006	8/28/2006	8/28/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006
	Collection Depth (ft)	0.5 - 1	6 - 6.5	1.5 - 2	1.5 - 2	6 - 6.5	1.5 - 2	3.5 - 4	0.5 - 1	2.5 - 3	0.5 - 1	3.5 - 4	1 - 1.5	3.5 - 4	3.5 - 4	1.5 - 2
	Comments														Duplicate	
	Nitrobenzene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	U (0.037)	U (0.037)	U (0.038)	U (0.081)	U (180)	U (0.039)	U (2)	U (0.04)	U (0.04)	U (0.038)
	Phenanthrene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.26 J (0.37)	U (0.37)	0.086 J (0.38)	0.31 J (0.81)	U (1800)	4.6 (0.39)	160 (20)	0.11 J (0.4)	0.081 J (0.4)	0.23 J (0.38)
	Pyrene		U (0.4)	U (3.8)	U (3.7)	U (0.4)	0.8 (0.37)	U (0.37)	0.24 J (0.38)	0.57 J (0.81)	U (1800)	4.8 (0.39)	160 (20)	0.2 J (0.4)	0.2 J (0.4)	0.53 (0.38)
	1,2,4-Trichlorobenzene		U (0.04)	U (0.38)	U (0.37)	U (0.04)	U (0.037)	U (0.037)	U (0.038)	U (0.081)	U (180)	U (0.039)	U (2)	U (0.04)	U (0.04)	U (0.038)
PCB																
	PCBs (total)	5.4 (0.14)	U (0.067)	14 (0.77)	U (0.067)	U (0.067)	U (0.074)	U (0.074)	0.3 (0.076)	10.6 (0.4)	1.46 (0.073)	U (0.078)	9.9 (0.4)	0.16 (0.08)	U (0.08)	4.2 (0.15)
	Aroclor-1248	2 (0.14)	U (0.067)	14 (0.77)	U (0.067)	U (0.067)	U (0.074)	U (0.074)	0.2 (0.076)	7 (0.4)	0.96 (0.073)	U (0.078)	6.6 (0.4)	0.16 (0.08)	U (0.08)	2.9 (0.15)
	Aroclor-1254	2.3 (0.14)	U (0.067)	U (0.77)	U (0.067)	U (0.067)	U (0.074)	U (0.074)	0.28 (0.076)	3.6 (0.4)	0.5 (0.073)	U (0.078)	3.3 (0.4)	U (0.08)	U (0.08)	1.3 (0.15)
	Aroclor-1268	1.1 (0.14)	U (0.067)	U (0.77)	U (0.067)	U (0.067)	U (0.074)	U (0.074)	U (0.076)	U (0.4)	U (0.073)	U (0.078)	U (0.4)	U (0.08)	U (0.08)	U (0.15)
INORG																
	Antimony	U (1.1)	U (1.2)	U (1.3)	U (1.3)	U (1.4)	U (1.1)	U (1.1)	U (1.1)	14.6 (1.2)	U (1.1)	U (1.1)	18.7 (1.2)	17.5 (1.2)	15.5 (1.2)	U (1.1)
	Arsenic	9.2 (0.96)	4.2 (1.1)	12.5 (0.73)	2.3 (0.71)	2.9 (0.77)	67.4 (1)	7.5 (0.99)	3.5 (1)	3.5 (1.1)	5.9 (0.98)	2.3 (1.1)	20.7 (1.1)	4 (1.1)	5.9 (1.1)	6 (1)
	Barium	114 (0.28)	51.2 (0.31)	139 (0.39)	35.8 B (0.38)	71.1 (0.41)	210 (0.29)	39.4 B (0.29)	155 (0.3)	1060 (0.31)	637 (0.28)	103 (0.3)	280 (0.31)	158 (0.31)	157 (0.31)	156 (0.3)
	Beryllium	0.25 B (0.021)	0.69 (0.024)	0.5 (0.069)	0.21 B (0.067)	0.71 (0.072)	0.44 B (0.022)	0.83 (0.022)	0.33 B (0.023)	0.23 B (0.024)	0.27 B (0.022)	0.49 (0.023)	0.52 (0.024)	0.51 (0.024)	0.59 (0.024)	0.54 (0.023)
	Cadmium	0.11 B (0.11)	U (0.12)	0.62 B (0.092)	U (0.089)	U (0.096)	0.68 B (0.11)	0.11 B (0.11)	0.39 B (0.11)	0.25 B (0.12)	0.46 B (0.11)	U (0.12)	1.2 (0.12)	0.49 B (0.12)	0.44 B (0.12)	0.25 B (0.12)
	Chromium	19.6 (0.6)	51.1 (0.67)	72.4 (0.37)	24.6 (0.36)	67 (0.38)	43.3 (0.62)	35.9 (0.62)	26.1 (0.64)	45.7 (0.68)	21 (0.61)	26.6 (0.66)	52.3 (0.66)	33.6 (0.67)	36.3 (0.67)	45.5 (0.65)
	Copper	65.1 (0.66)	28.2 (0.74)	159 (0.85)	7.7 (0.82)	20.4 (0.89)	98.6 (0.69)	28.8 (0.68)	40.2 (0.71)	1010 (0.75)	99.7 (0.67)	40.2 (0.73)	131 (0.73)	42.1 (0.74)	43.8 (0.74)	57.8 (0.72)
	Lead	116 (0.47)	10.9 (0.53)	305 (0.62)	3.3 (0.6)	7.9 (0.65)	411 (0.49)	20 (0.49)	111 (0.5)	268 (0.53)	113 (0.48)	227 (0.52)	552 (0.52)	175 (0.52)	175 (0.53)	139 (0.51)
	Mercury	0.06 (0.018)	U (0.017)	0.65 (0.019)	U (0.018)	U (0.02)	0.74 (0.018)	U (0.018)	0.24 (0.019)	0.7 (0.02)	0.22 (0.018)	0.37 (0.02)	0.33 (0.017)	0.26 (0.02)	0.18 (0.02)	0.21 (0.019)
	Nickel	18.5 (0.84)	224 (0.93)	87.3 (0.55)	12.8 (0.53)	273 (0.58)	83.2 (0.86)	197 (0.86)	75 (0.89)	64.2 (0.94)	22.7 (0.85)	72 (0.91)	99.8 (0.92)	86.8 (0.93)	98.6 (0.94)	176 (0.9)
	Selenium	U (1)	U (1.1)	U (0.96)	U (0.93)	U (1)	1.4 (1.1)	1.5 (1.1)	U (1.1)	1.6 (1.2)	U (1)	1.1 (1.1)	1.8 (1.1)	1.7 (1.1)	1.2 B (1.2)	U (1.1)
	Silver	U (0.26)	U (0.29)	U (0.32)	U (0.31)	U (0.34)	U (0.27)	U (0.26)	U (0.27)	U (0.29)	U (0.26)	U (0.28)	0.27 B (0.28)	0.35 B (0.29)	U (0.29)	U (0.28)
	Zinc	79.2 (1.2)	56.1 (1.4)	201 (1.3)	13.5 (1.3)	57.8 (1.4)	166 (1.3)	45.9 (1.3)	96.2 (1.3)	79.7 (1.4)	72 (1.3)	50.6 (1.4)	221 (1.4)	139 (1.4)	134 (1.4)	80.6 (1.3)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 14	AOC 14	AOC 14	AOC 15	AOC 15	AOC 15	AOC 15	AOC 15	AOC 15	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16
Location	B1410	B1411	B1411	B1501	B1501	B1502	B1502	MW04	MW04	B1601	B1601	B1603	B1603	B1603	B1604
ENVIRON Sample ID	B1410-SS02	B1411-SS01	B1411-SS02	B1501-SS01	B1501-SS02	B1502-SS01	B1502-SS02	MW4-SS01	MW4-SS02	B1601-SS01	B1601-SS02	B1603-SS01	B1603-SS01D	B1603-SS02	B1604-SS01
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	10/4/2006	10/4/2006	10/4/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	8/30/2006	8/30/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006
Collection Depth (ft)	3.5 - 4	1.5 - 2	3.5 - 4	1 - 1.5	3 - 3.5	1 - 1.5	3.5 - 4	1 - 1.5	4.5 - 5	2 - 2.5	3.5 - 4	2 - 2.5	2 - 2.5	3.5 - 4	2 - 2.5
Comments													Duplicate		
VOC															
Acetone								0.022 B (0.0046)	0.01 B (0.0043)						
Benzene								U (0.0009)	U (0.0009)						
2-Butanone								U (0.0046)	U (0.0043)						
Carbon Disulfide								U (0.0046)	U (0.0043)						
Chlorobenzene								U (0.0046)	U (0.0043)						
1,1-Dichloroethane								U (0.0046)	U (0.0043)						
1,2-Dichloroethane								0.002 (0.0018)	0.0007 J (0.0017)						
cis-1,2-Dichloroethene								U (0.0046)	U (0.0043)						
Ethylbenzene								U (0.0037)	U (0.0035)						
Tetrachloroethene								U (0.0009)	U (0.0009)						
Toluene								U (0.0046)	U (0.0043)						
1,1,1-Trichloroethane								U (0.0046)	U (0.0043)						
Trichloroethene								U (0.0009)	U (0.0009)						
Xylene (Total)								U (0.0046)	U (0.0043)						
SVOC															
Acenaphthene	0.029 J (0.39)	U (0.36)	U (0.38)					0.024 J (0.38)	U (0.38)						
Acenaphthylene	0.036 J (0.39)	U (0.36)	U (0.38)					0.021 J (0.38)	U (0.38)						
Anthracene	0.12 J (0.39)	U (0.36)	U (0.38)					0.036 J (0.38)	U (0.38)						
Benzo(a)anthracene	0.5 (0.039)	U (0.036)	U (0.038)					0.15 (0.038)	U (0.038)						
Benzo(a)pyrene	0.47 (0.039)	U (0.036)	U (0.038)					0.16 (0.038)	U (0.038)						
Benzo(b)fluoranthene	0.33 (0.039)	0.0097 J (0.036)	U (0.038)					0.17 (0.038)	U (0.038)						
Benzo(g,h,i)perylene	0.19 J (0.39)	U (0.36)	U (0.38)					0.048 J (0.38)	U (0.38)						
Benzo(k)fluoranthene	0.47 (0.039)	U (0.036)	U (0.038)					0.18 (0.038)	U (0.038)						
bis(2-Ethylhexyl)phthalate	0.1 J (0.39)	7.5 (0.36)	0.32 J (0.38)					0.18 J (0.38)	U (0.38)						
Carbazole	0.063 J (0.39)	U (0.36)	U (0.38)					0.024 J (0.38)	U (0.38)						
4-Chloroaniline	U (0.39)	U (0.36)	U (0.38)					0.0079 J (0.38)	U (0.38)						
Chrysene	0.56 (0.39)	U (0.36)	U (0.38)					0.18 J (0.38)	U (0.38)						
Dibenz(a,h)anthracene	0.061 (0.039)	U (0.036)	U (0.038)					U (0.038)	U (0.038)						
Dibenzofuran	0.02 J (0.39)	U (0.36)	U (0.38)					0.015 J (0.38)	U (0.38)						
1,2-Dichlorobenzene	U (0.39)	U (0.36)	U (0.38)					U (0.38)	U (0.38)						
1,4-Dichlorobenzene	U (0.39)	U (0.36)	U (0.38)					U (0.38)	U (0.38)						
3,3'-Dichlorobenzidine	U (0.79)	U (0.73)	U (0.77)					0.054 J (0.76)	U (0.77)						
Dimethylphthalate	U (0.39)	U (0.36)	U (0.38)					0.098 J (0.38)	U (0.38)						
Di-n-butylphthalate	U (0.39)	U (0.36)	U (0.38)					U (0.38)	U (0.38)						
Fluoranthene	0.9 (0.39)	0.02 J (0.36)	U (0.38)					0.29 J (0.38)	U (0.38)						
Fluorene	0.033 J (0.39)	U (0.36)	U (0.38)					0.029 J (0.38)	U (0.38)						
Hexachlorobenzene	U (0.039)	U (0.036)	U (0.038)					U (0.038)	U (0.038)						
Indeno(1,2,3-cd)pyrene	0.18 (0.039)	U (0.036)	U (0.038)					0.051 (0.038)	U (0.038)						
2-Methylnaphthalene	0.014 J (0.39)	0.024 J (0.36)	U (0.38)					0.026 J (0.38)	U (0.38)						
Naphthalene	0.029 J (0.39)	0.026 J (0.36)	U (0.38)					0.042 J (0.38)	U (0.38)						
3-Nitroaniline	U (0.79)	U (0.73)	U (0.77)					U (0.76)	U (0.77)						
4-Nitroaniline	U (0.79)	U (0.73)	U (0.77)					0.048 J (0.76)	U (0.77)						

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

	Area Of Concern	AOC 14	AOC 14	AOC 14	AOC 15	AOC 15	AOC 15	AOC 15	AOC 15	AOC 15	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16
	Location	B1410	B1411	B1411	B1501	B1501	B1502	B1502	MW04	MW04	B1601	B1601	B1603	B1603	B1603	B1604
	ENVIRON Sample ID	B1410-SS02	B1411-SS01	B1411-SS02	B1501-SS01	B1501-SS02	B1502-SS01	B1502-SS02	MW4-SS01	MW4-SS02	B1601-SS01	B1601-SS02	B1603-SS01	B1603-SS01D	B1603-SS02	B1604-SS01
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
	Collection Date	10/4/2006	10/4/2006	10/4/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	8/30/2006	8/30/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006
	Collection Depth (ft)	3.5 - 4	1.5 - 2	3.5 - 4	1 - 1.5	3 - 3.5	1 - 1.5	3.5 - 4	1 - 1.5	4.5 - 5	2 - 2.5	3.5 - 4	2 - 2.5	2 - 2.5	3.5 - 4	2 - 2.5
	Comments													Duplicate		
	Nitrobenzene	U (0.039)	U (0.036)	U (0.038)					U (0.038)	U (0.038)						
	Phenanthrene	0.54 (0.39)	0.016 J (0.36)	U (0.38)					0.18 J (0.38)	U (0.38)						
	Pyrene	1 (0.39)	0.019 J (0.36)	U (0.38)					0.27 J (0.38)	U (0.38)						
	1,2,4-Trichlorobenzene	U (0.039)	U (0.036)	U (0.038)					0.025 J (0.038)	U (0.038)						
PCB																
	PCBs (total)	U (0.079)	U (0.074)	U (0.077)												
	Aroclor-1248	U (0.079)	U (0.074)	U (0.077)												
	Aroclor-1254	U (0.079)	U (0.074)	U (0.077)												
	Aroclor-1268	U (0.079)	U (0.074)	U (0.077)												
INORG																
	Antimony	U (1.2)	U (1.1)	U (1.1)	4.3 (1.1)	U (1.1)	U (1.1)	U (1.1)			U (1.3)	U (1.2)	U (1.3)	U (1.3)	9.7 (1.4)	U (1.1)
	Arsenic	7.4 (1.1)	3.1 (0.99)	2.2 (1)	7.3 (1)	5.4 (1)	4.1 (1)	6.2 (1)			1.7 (0.71)	1 B (0.65)	2.6 (0.72)	2.6 (0.73)	2.4 (0.77)	3.6 (1)
	Barium	275 (0.31)	39.1 B (0.29)	31.3 B (0.3)	191 (0.29)	60.7 (0.3)	42.2 B (0.29)	123 (0.3)			39.1 B (0.38)	37.9 B (0.34)	262 (0.38)	261 (0.39)	280 (0.41)	71.3 (0.29)
	Beryllium	0.57 (0.024)	0.57 (0.022)	0.51 (0.023)	0.47 (0.023)	0.74 (0.023)	0.46 (0.022)	0.76 (0.023)			0.44 (0.067)	0.44 (0.061)	0.58 (0.068)	0.6 (0.068)	0.58 (0.072)	0.57 (0.022)
	Cadmium	0.3 B (0.12)	U (0.11)	U (0.12)	0.43 B (0.11)	0.24 B (0.11)	0.16 B (0.11)	0.35 B (0.12)			U (0.089)	U (0.081)	U (0.09)	U (0.091)	U (0.096)	0.21 B (0.11)
	Chromium	59.4 (0.66)	41.1 (0.61)	51.7 (0.65)	97.5 (0.63)	56.4 (0.64)	29.7 (0.63)	34.9 (0.65)			29 (0.35)	23.7 (0.32)	29.9 (0.36)	28.4 (0.36)	31.6 (0.39)	85.5 (0.62)
	Copper	77.8 (0.73)	32.6 (0.68)	32.2 (0.72)	67.3 (0.7)	31.2 (0.71)	19.2 (0.7)	29.6 (0.71)			227 (0.82)	16 (0.75)	28.8 (0.84)	38.4 (0.84)	31.6 (0.89)	116 (0.69)
	Lead	488 (0.52)	9 (0.48)	6.6 (0.51)	1430 (0.5)	11 (0.5)	51.5 (0.49)	9.4 (0.51)			6.3 (0.6)	6.6 (0.55)	10.5 (0.61)	10.4 (0.62)	51.9 (0.65)	6.5 (0.49)
	Mercury	0.26 (0.02)	U (0.018)	U (0.016)	0.23 (0.019)	U (0.019)	0.07 (0.019)	U (0.019)			U (0.018)	U (0.019)	U (0.019)	U (0.016)	U (0.02)	U (0.018)
	Nickel	158 (0.92)	116 (0.86)	117 (0.9)	79.4 (0.88)	175 (0.89)	66.7 (0.87)	124 (0.9)			215 (0.53)	191 (0.49)	113 (0.54)	112 (0.55)	110 (0.58)	411 (0.86)
	Selenium	2.1 (1.1)	2 (1.1)	U (1.1)	1.1 B (1.1)	1.8 (1.1)	1.1 (1.1)	1.5 (1.1)			0.9 B (0.93)	U (0.85)	1.1 (0.95)	U (0.96)	1.1 B (1)	U (1.1)
	Silver	0.91 B (0.28)	U (0.26)	U (0.28)	0.33 B (0.27)	U (0.27)	U (0.27)	U (0.28)			U (0.31)	U (0.28)	U (0.32)	U (0.32)	U (0.34)	U (0.27)
	Zinc	157 (1.4)	32.3 (1.3)	38 (1.3)	94.4 (1.3)	61.2 (1.3)	40.5 (1.3)	45.6 (1.3)			32.3 (1.3)	35.3 (1.2)	85.9 (1.3)	112 (1.3)	50.2 (1.4)	43.2 (1.3)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	D	D	D	D	D
Location	B1604	B1605	B1605	B1605	B1606	B1606	B1607	B1607	BKD1	BKD1	BKD1	BKD1	BKD1
ENVIRON Sample ID	B1604-SS02	B1605-SS01	B1605-SS02	B1605-SS02D	B1606-SS01	B1606-SS02	B1607-SS01	B1607-SS02	BKD1-SS01	BKD1-SS02	BKD1-SS03	BKD1-SS03D	BKD1-SS04
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006
Collection Depth (ft)	3.5 - 4	2 - 2.5	3.5 - 4	3.5 - 4	2 - 2.5	3.5 - 4	2 - 2.5	3.5 - 4	0 - 0.5	1.5 - 2	3.5 - 4	3.5 - 4	6 - 6.5
Comments				Duplicate								Duplicate	
VOC													
Acetone													
Benzene													
2-Butanone													
Carbon Disulfide													
Chlorobenzene													
1,1-Dichloroethane													
1,2-Dichloroethane													
cis-1,2-Dichloroethene													
Ethylbenzene													
Tetrachloroethene													
Toluene													
1,1,1-Trichloroethane													
Trichloroethene													
Xylene (Total)													
SVOC													
Acenaphthene													
Acenaphthylene													
Anthracene													
Benzo(a)anthracene													
Benzo(a)pyrene													
Benzo(b)fluoranthene													
Benzo(g,h,i)perylene													
Benzo(k)fluoranthene													
bis(2-Ethylhexyl)phthalate													
Carbazole													
4-Chloroaniline													
Chrysene													
Dibenz(a,h)anthracene													
Dibenzofuran													
1,2-Dichlorobenzene													
1,4-Dichlorobenzene													
3,3'-Dichlorobenzidine													
Dimethylphthalate													
Di-n-butylphthalate													
Fluoranthene													
Fluorene													
Hexachlorobenzene													
Indeno(1,2,3-cd)pyrene													
2-Methylnaphthalene													
Naphthalene													
3-Nitroaniline													
4-Nitroaniline													

TABLE 1
Summarized Analytical Results for August-October 2006 Soil Sampling Program - Sun Chemical, Staten Island, New York

Area Of Concern	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	AOC 16	D	D	D	D	D
Location	B1604	B1605	B1605	B1605	B1606	B1606	B1607	B1607	BKD1	BKD1	BKD1	BKD1	BKD1
ENVIRON Sample ID	B1604-SS02	B1605-SS01	B1605-SS02	B1605-SS02D	B1606-SS01	B1606-SS02	B1607-SS01	B1607-SS02	BKD1-SS01	BKD1-SS02	BKD1-SS03	BKD1-SS03D	BKD1-SS04
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Collection Method	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore	Macrocore
Collection Date	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006	10/5/2006
Collection Depth (ft)	3.5 - 4	2 - 2.5	3.5 - 4	3.5 - 4	2 - 2.5	3.5 - 4	2 - 2.5	3.5 - 4	0 - 0.5	1.5 - 2	3.5 - 4	3.5 - 4	6 - 6.5
Comments				Duplicate								Duplicate	
Nitrobenzene													
Phenanthrene													
Pyrene													
1,2,4-Trichlorobenzene													
PCB													
PCBs (total)													
Aroclor-1248													
Aroclor-1254													
Aroclor-1268													
INORG													
Antimony	U (1.1)	U (1.2)	U (1.1)	U (1.1)	8.9 (1.4)	U (1.2)	U (1.3)	U (1.3)	U (1.4)	U (1.4)	U (1.3)	U (1.3)	U (1.3)
Arsenic	2.9 (0.99)	5.8 (1.1)	4.1 (1)	3.7 (1)	13.4 (0.78)	1.6 (0.65)	1.5 (0.73)	1.8 (0.73)	5.7 (0.75)	5.2 (0.75)	1.1 B (0.71)	0.76 B (0.71)	3.1 (0.73)
Barium	61.9 (0.29)	32.9 B (0.31)	33.2 B (0.3)	58.3 (0.3)	598 (0.42)	38.6 B (0.34)	1610 (0.39)	3910 (0.39)	56.4 (0.4)	51.3 (0.4)	28.9 B (0.38)	27.7 B (0.38)	66 (0.39)
Beryllium	0.46 (0.022)	0.67 (0.024)	0.66 (0.023)	0.64 (0.023)	0.58 (0.074)	0.46 (0.061)	0.45 (0.069)	0.44 B (0.069)	0.52 (0.071)	0.53 (0.07)	0.47 (0.067)	0.45 (0.067)	0.69 (0.068)
Cadmium	0.3 B (0.11)	13.5 (0.12)	20.8 (0.11)	18.9 (0.12)	1.2 B (0.098)	U (0.081)	U (0.092)	U (0.092)	U (0.094)	U (0.094)	U (0.089)	U (0.089)	U (0.091)
Chromium	54.9 (0.62)	35.5 (0.66)	34.6 (0.64)	31.4 (0.64)	449 (0.39)	34 (0.32)	30.5 (0.37)	38.8 (0.37)	41.7 (0.38)	31.1 (0.38)	24.9 (0.36)	23.8 (0.35)	64.5 (0.36)
Copper	261 (0.69)	16.4 (0.73)	17.6 (0.71)	16 (0.71)	172 (0.91)	18.8 (0.75)	37.4 (0.85)	21.9 (0.85)	34.5 (0.87)	30 (0.87)	19.3 (0.82)	16.5 (0.82)	20.3 (0.84)
Lead	6.5 (0.49)	10 (0.52)	8 (0.5)	7.6 (0.51)	1300 (0.66)	16.2 (0.55)	20.7 (0.62)	20.5 (0.62)	124 (0.64)	64.6 (0.63)	6.6 (0.6)	6.4 (0.6)	8.5 (0.61)
Mercury	U (0.018)	U (0.017)	U (0.016)	U (0.016)	1.2 (0.02)	U (0.019)	0.03 B (0.019)	0.02 B (0.019)	0.15 (0.02)	0.13 (0.02)	U (0.019)	U (0.018)	U (0.019)
Nickel	269 (0.86)	51.8 (0.92)	113 (0.89)	74.8 (0.9)	82 (0.59)	190 (0.49)	96 (0.55)	102 (0.55)	138 (0.57)	85.8 (0.56)	83.4 (0.53)	67.5 (0.53)	521 (0.54)
Selenium	U (1.1)	U (1.1)	1.1 (1.1)	1.3 (1.1)	2 (1)	1 B (0.85)	1.4 (0.96)	U (0.96)	1.4 (0.99)	U (0.99)	U (0.93)	U (0.93)	U (0.95)
Silver	U (0.27)	U (0.28)	U (0.27)	U (0.28)	U (0.34)	U (0.28)	U (0.32)	U (0.32)	U (0.33)	U (0.33)	U (0.31)	U (0.31)	U (0.32)
Zinc	32.4 (1.3)	41.9 (1.4)	36.8 (1.3)	34.8 (1.3)	245 (1.4)	35.6 (1.2)	81.8 (1.3)	75.8 (1.3)	87.8 (1.4)	64 (1.4)	39 (1.3)	36.7 (1.3)	48.1 (1.3)

Notes:

1 All concentrations are presented in mg/kg (ppm).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 2

Summarized Analytical Results for September-October 2006 Ground Water Sampling Porgrams, Sun Chemical Corporation, Staten Island, New York

Area Of Concern			AOC 06	AOC 05	AOC 05	AOC 15	AOC 15	AOC 02	AOC 02	AOC 02	AOC 02	
Location	MW01	MW01	MW02	MW03	MW03	MW04	MW04	MW05	MW05	MW05	MW05D	MW06
ENVIRON Sample ID	MW01-060911	MW01-061017	MW02-061017	MW03-061017	MW03-061017D	MW04-060911	MW04-061017	MW05-060911	MW05-060911D	MW05-061017	MW05D-061017	MW06-061017
Collection Method	Bailer	TB/Pump	TB/Pump	TB/Pump	TB/Pump	Bailer	TB/Pump	Bailer	Bailer	TB/Pump	TB/Pump	TB/Pump
Comments					Duplicate				Duplicate			
VOC												
Benzene	U (1)	U (1)	U (1)	18 (5)	20 (5)	2.5 (1)	1.5 (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Bromodichloromethane	U (1)	U (1)	U (1)	U (5)	U (5)	U (1)	U (1)	U (1)	U (1)	U (1)	0.7 J (1)	U (1)
Carbon Disulfide	1.2 J (5)	U (5)	U (5)	U (25)	U (25)	0.4 J (5)	4.6 J (5)	U (5)	U (5)	U (5)	U (5)	U (5)
Chloroform	U (5)	U (5)	U (5)	20 J (25)	21 J (25)	1.3 J (5)	0.8 J (5)	U (5)	U (5)	U (5)	10 (5)	U (5)
1,1-Dichloroethane	15 (5)	2.5 J (5)	0.6 J (5)	520 (25)	540 (25)	31 (5)	22 (5)	U (5)	U (5)	U (5)	U (5)	U (5)
1,2-Dichloroethane	U (2)	U (2)	U (2)	540 (10)	550 (10)	41 (2)	26 (2)	U (2)	U (2)	U (2)	1.3 J (2)	U (2)
1,1-Dichloroethene	U (2)	U (2)	U (2)	150 (10)	160 (10)	29 (2)	15 (2)	U (2)	U (2)	U (2)	U (2)	U (2)
cis-1,2-Dichloroethene	U (5)	U (5)	U (5)	U (25)	U (25)	0.5 J (5)	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
1,2-Dichloropropane	U (1)	U (1)	U (1)	6.7 (5)	7.1 (5)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Methylene Chloride	U (3)	U (3)	U (3)	30 (15)	32 (15)	U (3)	U (3)	U (3)	U (3)	U (3)	U (3)	U (3)
1,1,1-Trichloroethane	2.1 J (5)	U (5)	1.3 J (5)	9.8 J (25)	11 J (25)	10 (5)	4.6 J (5)	U (5)	U (5)	U (5)	U (5)	U (5)
1,1,2-Trichloroethane	U (3)	U (3)	U (3)	3.6 J (15)	3.1 J (15)	1 J (3)	0.9 J (3)	U (3)	U (3)	U (3)	U (3)	U (3)
Trichloroethene	U (1)	U (1)	U (1)	U (5)	U (5)	6.2 (1)	4.2 (1)	U (1)	U (1)	0.7 J (1)	U (1)	U (1)
Vinyl Chloride	U (5)	U (5)	U (5)	5.7 J (25)	5.8 J (25)	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
SVOC												
INORG												
Arsenic	U (3.2)	U (4.5)	U (4.5)	5 B (4.5)	U (4.5)	U (3.2)	U (4.5)	5 B (3.2)	4.1 B (3.2)	17.7 (4.5)	U (4.5)	U (4.5)
Barium		66.4 B (1.3)	261 (1.3)	72.2 B (1.3)	73.4 B (1.3)		91.5 B (1.3)			239 (1.3)	623 (1.3)	164 B (1.3)
Beryllium	U (0.3)	U (0.1)	0.24 B (0.1)	U (0.1)	U (0.1)	U (0.3)	U (0.1)	U (0.3)	U (0.3)	U (0.1)	0.57 B (0.1)	U (0.1)
Chromium	10.3 (1.6)	5.7 B (2.8)	33.9 (2.8)	21.3 (2.8)	22.2 (2.8)	9.2 B (1.6)	3.2 B (2.8)	5.8 B (1.6)	5.1 B (1.6)	5.2 B (2.8)	15.5 (2.8)	4.9 B (2.8)
Copper	4.5 B (3.7)	8.2 B (3.1)	22.2 B (3.1)	15.2 B (3.1)	14.3 B (3.1)	9.4 B (3.7)	5.8 B (3.1)	3.7 B (3.7)	4.1 B (3.7)	9.7 B (3.1)	33.8 (3.1)	5.6 B (3.1)
Lead	3.2 B (2.7)	U (2.2)	18.5 (2.2)	U (2.2)	U (2.2)	7.8 (2.7)	2.9 B (2.2)	14.1 (2.7)	13.1 (2.7)	20.6 (2.2)	12.6 (2.2)	U (2.2)
Mercury	U (0.1)	U (0.1)	U (0.1)	U (0.1)	U (0.1)	U (0.1)	U (0.1)	U (0.1)	0.12 B (0.1)	U (0.1)	U (0.1)	U (0.1)
Nickel	38.2 B (2.4)	20.6 B (3.9)	70.3 (3.9)	330 (3.9)	319 (3.9)	96.2 (2.4)	91.9 (3.9)	28.9 B (2.4)	29 B (2.4)	32.5 B (3.9)	41.7 (3.9)	98.5 (3.9)
Selenium	U (4.2)	4.9 B (4.8)	U (4.8)	U (4.8)	U (4.8)	U (4.2)	U (4.8)	U (4.2)	U (4.2)	6.5 (4.8)	5.4 (4.8)	U (4.8)
Zinc	17.2 B (5.8)	15.4 B (5.8)	34.6 (5.8)	19.7 B (5.8)	19.7 B (5.8)	35.4 (5.8)	9.9 B (5.8)	53.1 (5.8)	62.5 (5.8)	24.1 B (5.8)	34.7 (5.8)	10 B (5.8)

Notes:

1 All concentrations are presented in ug/L (ppb).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 2

Summarized Analytical Results for September-October 2006 Ground Water Sampling Porgrams, Sun Chemical Corporation, Staten Island, New York

Area Of Concern	
Location	**MW07**
ENVIRON Sample ID	**MW07-061017**
Collection Method	**TB/Pump**
Comments	
VOC	
Benzene	U (1)
Bromodichloromethane	U (1)
Carbon Disulfide	U (5)
Chloroform	U (5)
1,1-Dichloroethane	U (5)
1,2-Dichloroethane	U (2)
1,1-Dichloroethene	U (2)
cis-1,2-Dichloroethene	U (5)
1,2-Dichloropropane	U (1)
Methylene Chloride	U (3)
1,1,1-Trichloroethane	U (5)
1,1,2-Trichloroethane	U (3)
Trichloroethene	U (1)
Vinyl Chloride	U (5)
SVOC	
INORG	
Arsenic	U (4.5)
Barium	173 B (1.3)
Beryllium	0.23 B (0.1)
Chromium	14.9 (2.8)
Copper	12.7 B (3.1)
Lead	4.8 (2.2)
Mercury	U (0.1)
Nickel	84.1 (3.9)
Selenium	U (4.8)
Zinc	23.2 B (5.8)

Notes:

1 All concentrations are presented in ug/L (ppb).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

TABLE 3

Summarized Analytical Results for QA/QC Samples, Sun Chemical Corporation, Staten Island, New York

Area Of Concern	QAQC	QAQC	QAQC	QAQC
Location	QAQC	QAQC	QAQC	QAQC
ENVIRON Sample ID	FB-060911	TB-060911	FB-061017	TB-061017
Collection Method	Bailer	Bailer	TB	
Comments	Field Blank	Trip Blank	Field Blank	Trip Blank
VOC	U	U	U	U
SVOC	U	NA	NA	NA
INORG	U	NA	U	NA

Notes:

1 All concentrations are presented in ug/L (ppb).

2 Only compounds with at least one detection are shown.

Abbreviations:

U -- Not Detected.

NA - Not Analyzed.

( ) -- Detection Limit.

A T T A C H M E N T A

Regulatory Correspondence Related to 1988 Caustic Solution Release Remediation

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS PROGRAMS
OFFICE OF EMERGENCY RESPONSE AND TECHNICAL ASSESSMENT

Technical Report
(Preliminary)

SRR# 880217/7/0084

Subject: Chemical Spill
Sun Chemical Corporation
441 Tompkins Avenue
Rosebank, Staten Island 10305

Introduction:

On Wednesday, February 17, 1988, at approximately 2:30 PM, the Division of Hazardous Materials Programs (DHMP) received an anonymous telephone call asking that "If a chemical company has a chemical spill and the material enters a school yard, are they required to notify the DEP".

The caller also stated that a spill occured at the Sun Chemical Corporation located in Rosebank, Staten Island.

Hazardous Materials Specialist Ted Nabavi immediately contacted Alan Shearer (Operations Manager) of Sun Chemical and requested an investigation as to the validity of the anonymous complaint. Mr. Shearer provided DHMP with the following summary and information:

At approximately 9:00 AM on February 17, 1988, an employee of Sun Chemical discovered that a 2" pipe from a 10,000 gallon 23% caustic solution feeder tank had ruptured and released an unknown quantity of the caustic soda solution onto the Sun Chemical property and a school yard adjacent to Sun Chemical.

- This school yard is part of the St. Joseph Roman Catholic School which abutts the Sun Chemical plant.

- Mr. Shearer believes that the quantity of spilled material effected the school yard was approximately 50-100 gallons. He estimated that the total amount spilled was approximately [illegible].

- Mr. Shearer [illegible] by the Sun Chemical plant [illegible] 10:00 AM on 2/17/88. At [illegible] Shearer, notified the NRC, and [illegible] Mr. Shearer

APPROVED

ALL

also stated that he had reported the spill to the principal of St. Joseph's school, and advised him to keep all children away from the school yard.

DHMP then requested an explanation of any remedial actions being taken by Sun Chemical.

- Mr. Shearer said that Sun Chemical employees were washing the residual material present on the school yard property and were cleaning the affected areas on the Sun Chemical property.

- DHMP advised Mr. Shearer that a Hazardous Materials Specialist would respond to assess the spill and the remedial actions being under taken by Sun Chemical.

At approximately 3:00 PM on 2/17/88, DHMP received a telephone call from the superintendent, Mr. Sandy Lisa, of St. Joseph Roman Catholic school. DHMP asked Mr. Lisa to explain what was occuring at that time on the school property. Mr. Lisa stated that several Sun Chemical employees were washing the material present on the school yard property and there was also a back-hoe on the school yard performing excavation. Based upon Mr. Lisa's information, DHMP immediately responded to the Sun Chemical facility.

Preliminary Investigation and Observations:

Upon arrival (approximately 4:00 PM), DHMP (Mr. Nabavi) met with Mr. Shearer and conducted an investigation of the spilled material and the extent of contamination involved. The following are the details of the DHMP investigation and actions taken:

- DHMP observed Sun Chemical employees washing the school yard using a spray nozzle on 4" diameter water-hose.

- The run-off from the washing operation was entering two (2) storm yard drains on the school yard property (see attached map).

- In addition, there was a back-hoe performing excavation at the area of the separating-wall between Sun Chemical and the school yard.

- Using lithmus paper, DHMP tested the run-off water in the school yard and found it to be a pH of >12, i.e., corrosive.

Action Taken:

At this time, DHMP advised Mr. Shearer to stop washing the school yard. Mr. Shearer agreed to the DHMP request. In addition, the contractor performing the excavation was not a hazardous waste contractor, therefore, DHMP requested that no further excavation be performed. Mr. Shearer again agreed to the DHMP request. DHMP then inspected the Sun Chemical facility, and discovered Sun Chemical employees excavating (using shovels) contaminated soil and storing the soil in 55 gallon drums. DHMP requested this action to cease and Mr. Shearer agreed to do so.

DHMP spoke to Rt. Rev. Msgr. John Servodidio, the pastor for St. Joseph's parish via telephone. DHMP requested that the pastor allow DHMP to close-off all access to the school yard, and explained the results of the DHMP preliminary investigation. The pastor had no problem with the request, but requested DHMP to also notify Mr. Paul Henry (attorney for the parish) of the DHMP actions. DHMP agreed to do so.

DHMP asked Mr. Shearer to retain a hazardous waste contractor to respond and conduct all the remedial steps necessary. Mr. Shearer contacted Mr. Robert Sharkey (Safety and Environmental Manager, Sun Chemical) in Cincinnati, Ohio and explained the situation and DHMP's request. Mr. Shearer was notified at approximately 6:00 PM by Mr. Sharkey that OH Materials of New Jersey was responding to the Sun Chemical facility. Mr. Sharkey explained that Sun Chemical has a national contract with OH Materials for hazardous materials emergencies.

Mr. Nabavi contacted Cyprian Cox, Director Office of Emergency Response and Technical Assessment, on the status of the DHMP investigation and actions taken.

OH Materials arrived at Sun Chemical at approximately 8:00 PM. At this time, DHMP requested that OH Materials pump out all visible liquids "pools" using a Vac-truck.

- OH Materials started the excavation on the Sun Chemical property of all visible contaminated areas (using earth moving equipment).

- DHMP contacted Mr. Henry at 1:30 AM on 2/18/88 and requested permission to excavate the black-top of the school yard since pH testing showed contamination at surface and sub-surface locations. Mr. Henry approved the DHMP request. DHMP agreed to contact the Msgr. as to any further actions necessary to remediate the contamination.

- Will Stephan, DHMP Hazardous Materials Specialist, supervised the cleanup activities throughout the night.

- DHMP tested the pH at two (2) sewer locations (2 manholes) to identify whether storm drains [illegible] at the school yard were impacting on the NYC [illegible] System. The sewer at St. Mary Avenue showed a pH of 7 and the sewer on Tompkins Avenue also indicated a pH of 7. The pH was tested using litmus paper.

2/18/88
Time: 7:30 AM

- DHMP (James Alexander, Director of Operations; Mr. Cox and Mr. Nabavi; met with Msgr. Servodidio and Mr. Robert Edelman (School Prinicpal) on the details of the cleanup and all the actions necessary to complete the cleanup. This included the school yard being closed until all cleanup activities are completed and removing the black-top on the school yard. Sun Chemical assured DHMP that they would replace and repair all affected areas as a result of the cleanup activity.

- The pastor and the principal decided to keep the school open and issued a letter to the parents explaining the spill and cleanup activities being performed.

- DHMP determined that the storm-drains of the school yard discharge into the school's house trap. A sample was taken and found to have a pH >12.

- DHMP also found that one of the storm drains in school yard was clogged. Therefore, the lines were cleaned/flushed. The pH was retested and found to be 7. This action was performed by OH Materials under DHMP supervision.

- DHMP notified Robert Cage, Director of the Bureau of Environmental Investigation and Surveillance of NYC Department of Health and requested DOH to respond to the site.

- DHMP contacted Con-Ed, BUGCO and DEP/BWS to respond and identify all existing utility lines on the school yard property. This action was necessary prior to conducting [illegible] borings. All utilities responded and indicated that there were no utility lines present in the areas of concern.

- OH Materials then proceeded [illegible] sub-surface assessments.

- The results showed that [illegible] school yard was [illegible] also spilled subsurface.

- Mr. Shearer [illegible] DHMP then Sun Chemical conducted several calculations and determined the quantity of the spill released from the containment dike was approximately 545 gallons.

Conclusions:

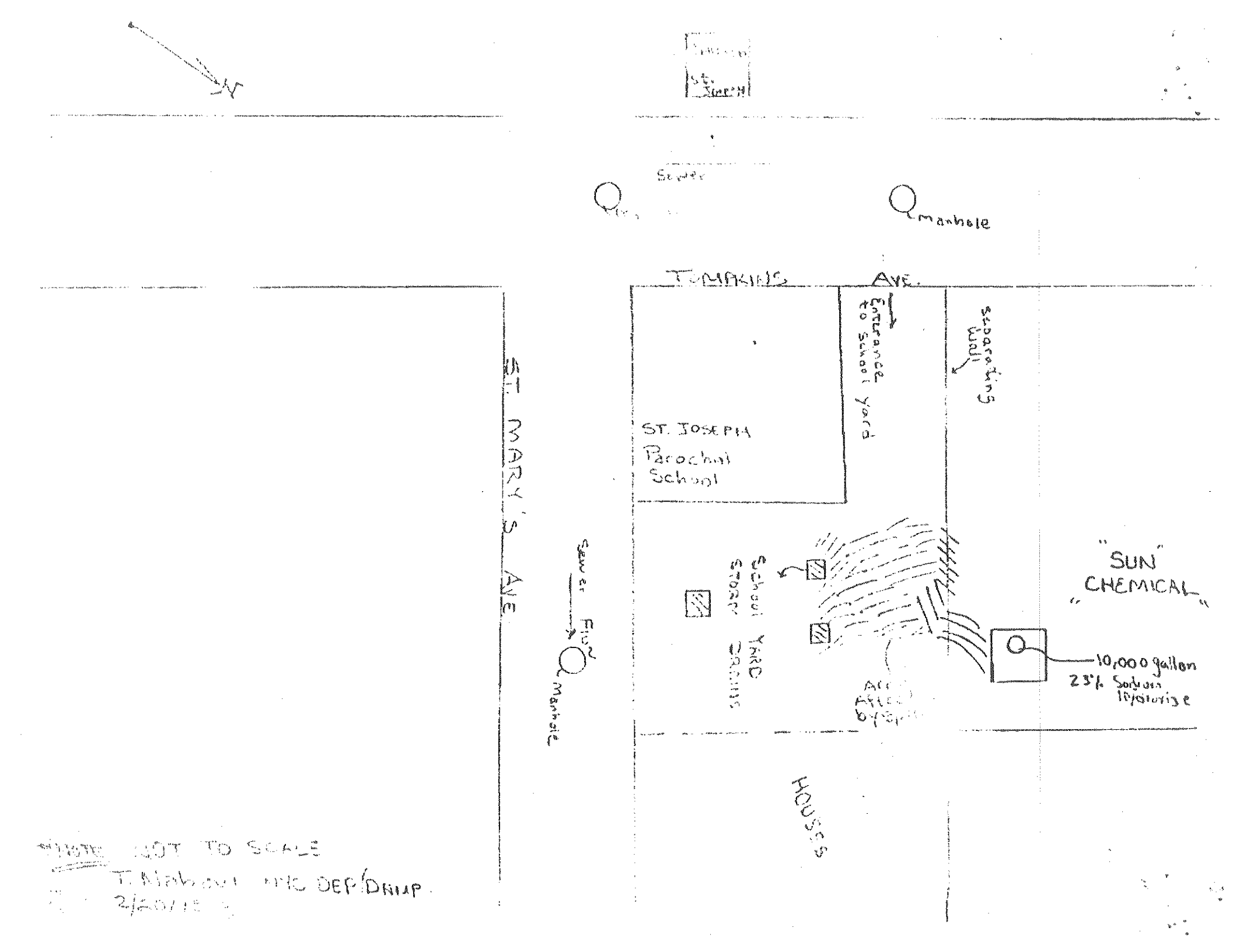
Based upon the extent of contamination, the cleanup activities were [illegible] and the emergency remediation was completed during the [illegible] of March, 1988. However, analyses results [illegible] personal property revealed other contaminants associated with the spill which occured on [illegible], 1988. The contaminants included lead, diesel fuel, plate and an Aroclor (PCB). DHMP has advised Mr. Chemical to address the environmental and occupational health impact of these contaminants as on the Sun Chemical property.

Ted R. Nabavi

Ted R. Nabavi,
Hazardous Materials Specialist

March 29, 1988

TN: jl
cc: M. Barer
J. Alexander
C. Cox
W. Stephan
R. Fornino
[illegible] (St. Joseph's R.C. Church)
F. Henry (St. Joseph's R.C. Church)
A. Shearer (Sun Chemical)
F. Parker (OH Materials)
A. Colucci (D.A.'s Office)
K. Ford (DLS, LG)
R. LaGrotta (DEP/IWCS)
C. Ash (NYC/DEP)
B. Gage (DOH)
R. Austin (DEC)
Lt. Kearney (USCG)
R. Evers (USCG)
J. Logigian (USEPA)


N
St. Street
Sewer
Manhole
TOMPKINS AVE.
Entrance to School yard
Separating Wall
ST. JOSEPH
Parochial
School
School Yard Storm Drains
"SUN"
CHEMICAL
10,000 gallon
23% Sodium Hydroxide
Area Fenced by Sun
HOUSES
ST. MARY'S AVE.
Sewer Flow
Manhole
NOTE: NOT TO SCALE
T. Niehaus NYC DEP/DNUP
2/6/01

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
2358 MUNICIPAL BUILDING, NEW YORK, N.Y. 10007 (212) 669-8200

HARVEY W. SCHULTZ
Commissioner

April 14, 1988

Ms. Carol Ash
Regional Director
NYS Department of Environmental
Conservation, Region II
47-40 21st Street, Room 210
Long Island City, NY 11101

RE: Sun Chemical Corp.
441 Tompkins Avenue
Rosebank, S.I. 10305
SRR# 880217/7/0084

Dear Ms. Ash:

The NYC Department of Environmental Protection, Division of Hazardous Materials Programs (DHMP), responded to an emergency involving a causic solution spill at the above chemical company on 2/17/88 (attached is the Technical Report). The NYS DEC was notified of the incident by Sun Chemical and Region II personnel responded on 2/17/88 and 2/18/88.

Since that time, the spill and contaminated areas have been sucessfully remediated for effects of the caustic spill. However, as a result of the incident, extensive sampling and analysis were conducted on the Sun Chemical Property (attached are results of the sampling & analysis). The sampling results show contaimination present on the Sun Chemical Property. The contaminants involved are lead, di-octyl phthalate and the Aroclor 1248 (PCB). Based on the analytical results, DHMP has advised Sun Chemical to conduct and environmental and worker exposure assessment of the contaminants, to determine if any mitigative actions are needed to reduce the level of these contaminants.

RECEIVED
APR 25 1988
[illegible]

Therefore, DEP/DHMP is referring this situation to your office for any further actions you may deem necessary, and we would like to be informed of your actions.

If you have any further questions regarding this letter, please feel free to call me.

Sincerely,

Mira Barer/cjl

Mira Barer
Deputy Commissioner

cc: E. Sullivan
J. Alexander
C. Cox
T. Nabavi
T. McDonald
A. Shearer (Sun Chemical)

enc.

MB/ws

A T T A C H M E N T B

NYSDEC Correspondence Related to the 1994 Hazardous Substances Disposal Site Study

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 252
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-8807 FAX: (518) 457-8989

John P. Cahill
Commissioner

RECEIVED
JUL - 9 1999
BY- R.F. SANT'ANGELO

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Sun/Dic Acquisition Company
441 Tompkins Ave.
Staten Island, NY 10305

Dear Sir or Madam:

Re: Preliminary Site Assessment at Hazardous Substance Sites

The New York State Department of Environmental Conservation (NYSDEC) is investigating sites suspected or known to contain hazardous substances. The property described below is listed in the "Addendum to the Hazardous Substance Waste Disposal Site Study, dated December 1, 1998" and we have received information which leads us to suspect that hazardous substances have been disposed of at this location:

Site Name: SUN Chemical Corp.
Site Address: 441 Tompkins Ave. Staten Island, NY
Tax Map No.: Block 2846 Lot 12
DEC Site No.: 02-43-024, HS2042

This investigation is being conducted in accordance with Environmental Conservation Law (Title 3, Section 3-0301. General functions, powers and duties of the department and the commissioner). This law directs the Department to enter and inspect any property or premises for the purpose of investigating either actual or suspected sources of pollution or contamination or for the purpose of ascertaining compliance or noncompliance with any law, rule or regulation which may be promulgated pursuant to this chapter(of the law). Any information relating to secret processes or methods of manufacture shall be kept confidential.

This letter constitutes notification of the New York State Department of Environmental Conservation's intention to investigate the validity of this suspicion of Hazardous Substance deposition at this property. The purpose of the investigation, called a Preliminary Site Assessment (PSA), is to familiarize ourselves with the site and the immediate site vicinity. Conceptually, the PSA could involve the collection of all available information, a site inspection including photographs, a geophysical survey to collect stratigraphic data; a soil gas study to search for underlying soil and groundwater contamination; collection of samples; the installation of monitoring wells; laboratory analyses of samples collected from groundwater, surface water, soil, air, and waste material to determine the presence of hazardous substances and significance of contamination. The proposed study for your site may include some or all of the above items.

Since a final determination has not been made on the specific needs of this study, we are unable to give a cost estimate at this time.

This PSA will be performed over a one-year period. In order to take such samples, the DEC may use consultants, contractor or other person so authorized to enter the site and areas near such site and inspect and take samples of wastes, soils, air, surface water and groundwater or cause to be used such sampling methods as it determines to be necessary, including, but not limited to, soil borings and monitoring wells.

We also request that you provide all currently available information which would be helpful in our investigation work. This information includes the following:

a. all generators of wastes deposited at the site;
b. types and quantities of such wastes;
c. period of time site was operated;
d. description of site operational practices;
e. description of any known health or environmental problems at the site; and
f. any other information which may assist NYSDEC or its consultant to evaluate the public health or environmental significance of this site.

The NYSDEC or its consultant will be contacting you in the near future to mutually agree upon a time and place to collect this information and obtain copies of any documents from which this information was derived.

If you have any questions in connection with this matter, please contact me, at (518) 457-0639.

Sincerely,

John Swartwout

John Swartwout
Chief
Eastern Investigation Section

Encl.

A T T A C H M E N T C

CD-ROM with STL Laboratory Reports for the August-October 2006 Sampling Program

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

09/27/2006

Environ Corporation, Inc.
214 Carnegie Center, Suite 200
Princeton, NJ 08540

Attention: Mr. Bill Kraft

Laboratory Results
Job No. W345 - Sun Chemical SI

Dear Mr. Kraft:

Enclosed are the results you requested for the following sample(s) received at our laboratory on August 28, 2006.

Lab No.	Client ID	Analysis Required
765418	B903-SS01	TCL VOA+10 PP Metals Ba
765419	B903-SS02	TCL VOA+10 PP Metals Ba
765420	B902-SS01	TCL VOA+10 PP Metals Ba
765421	B902-SS02	TCL VOA+10 PP Metals Ba
765422	B905-SS01	TCL VOA+10 PP Metals Ba
765423	B905-SS02	TCL VOA+10 PP Metals Ba
765424	B901-SS01	TCL VOA+10 PP Metals

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Laboratory Results
Job No. W345 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		Ba
765425	B901-SS02	TCL VOA+10
		PP Metals
		Ba
765426	B904-SS01	TCL VOA+10
		PP Metals
		Ba
765427	B904-SS01D	TCL VOA+10
		PP Metals
		Ba
765428	B904-SS02	TCL VOA+10
		PP Metals
		Ba
765429	B101-SS01	TCL VOA+10
		PP Metals
		Ba
765430	B101-SS02	TCL VOA+10
		PP Metals
		Ba
765431	B101-SS03	TCL VOA+10

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Laboratory Results
Job No. W345 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		PP Metals
		Ba
765432	B1401-SS01	TCL BN+15
		PCBs
		PP Metals
		Ba
765433	B1401-SS02	TCL BN+15
		PCBs
		PP Metals
		Ba
765434	B1402-SS01	TCL BN+15
		PCBs
		PP Metals
		Ba
765435	B1402-SS02	TCL BN+15
		PCBs
		PP Metals
		Ba
765436	B102-SS01	TCL VOA+10
		PP Metals

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Laboratory Results
Job No. W345 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		Ba
765437	B102-SS02	TCL VOA+10
		PP Metals
		Ba
765438	B102-SS03	TCL VOA+10
		PP Metals
		Ba
765439	B1403-SS01	TCL BN+15
		PCBs
		PP Metals
		Ba
765440	B1404-SS01	TCL BN+15
		PCBs
		PP Metals
		Ba
765441	B1404-SS02	TCL BN+15
		PCBs
		PP Metals
		Ba
765442	MW2-SS01	PP Metals

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Laboratory Results
Job No. W345 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		Ba
765443	MW2-SS02	PP Metals
		Ba
765444	B601-SS01	PP Metals
		Ba
765445	B801-SS01	PP Metals
		Ba
765446	B801-SS02	TCL VOA+10
		PP Metals
		Ba
765447	B701-SS01	PP Metals
		Ba
765448	B701-SS02	TCL VOA+10
		PP Metals
		Ba
765449	B702-SS01	PP Metals
		Ba
765450	B702-SS02	TCL VOA+10
		PP Metals

STL Edison
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Laboratory Results
Job No. W345 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		Ba
765451	MW3-SS01	PP Metals
		Ba
765452	MW3-SS02	PP Metals
		Ba

If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael Urban
Laboratory Manager

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Analytical Results Summary

Client ID: **B903-SS01**
Site: Sun Chemical SI

Lab Sample No: **765418**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08781.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.5 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.3
Bromomethane	ND	4.3
Vinyl Chloride	ND	4.3
Chloroethane	ND	4.3
Methylene Chloride	ND	2.6
Acetone	ND	4.3
Carbon Disulfide	ND	4.3
1,1-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	4.3
trans-1,2-Dichloroethene	ND	4.3
cis-1,2-Dichloroethene	ND	4.3
Chloroform	ND	4.3
1,2-Dichloroethane	ND	1.7
2-Butanone	ND	4.3
1,1,1-Trichloroethane	ND	4.3
Carbon Tetrachloride	ND	1.7
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.3
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.3
1,1,2-Trichloroethane	ND	2.6
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.3
Bromoform	ND	3.4
4-Methyl-2-Pentanone	ND	4.3
2-Hexanone	ND	4.3
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.3
Chlorobenzene	ND	4.3
Ethylbenzene	ND	3.4
Styrene	ND	4.3
Xylene (Total)	ND	4.3

Client ID: **B903-SS01**
Site: Sun Chemical SI

Lab Sample No: **765418**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08781.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.5 g
Purge Volume: 5.0 ml
% Moisture: 11.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B903-SS02**
Site: Sun Chemical SI

Lab Sample No: **765419**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08782.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.7
Acetone	ND	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.7
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B903-SS02**
Site: Sun Chemical SI

Lab Sample No: **765419**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08782.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 11.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B902-SS01**
Site: Sun Chemical SI

Lab Sample No: **765420**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08783.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	21 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B902-SS01**
Site: Sun Chemical SI

Lab Sample No: **765420**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08783.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B902-SS02**
Site: Sun Chemical SI

Lab Sample No: **765421**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08784.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.8
Bromomethane	ND	4.8
Vinyl Chloride	ND	4.8
Chloroethane	ND	4.8
Methylene Chloride	ND	2.9
Acetone	ND	4.8
Carbon Disulfide	ND	4.8
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
1,2-Dichloroethane	ND	1.9
2-Butanone	ND	4.8
1,1,1-Trichloroethane	ND	4.8
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.8
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.8
1,1,2-Trichloroethane	ND	2.9
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	4.8
Bromoform	ND	3.8
4-Methyl-2-Pentanone	ND	4.8
2-Hexanone	ND	4.8
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	4.8
Chlorobenzene	ND	4.8
Ethylbenzene	ND	3.8
Styrene	ND	4.8
Xylene (Total)	0.8J	4.8

Client ID: **B902-SS02**
Site: Sun Chemical SI

Lab Sample No: **765421**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08784.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 12.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Cyclohexane	2.16	5.9	
2.	Cyclohexane, methyl-	2.98	11	
3.	C8H18 Alkane	3.61	7.2	
4.	C9H20 Alkane	5.35	13	
5.	C9H20 Alkane	6.14	12	
6.	Unknown	6.89	7.4	
7.	C10H22 Alkane	7.06	38	
8.	C10H22 Alkane	8.16	16	
9.	C11H24 Alkane	8.68	8.6	
10.	C11H24 Alkane	9.75	10	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 129

Client ID: **B905-SS01**
Site: Sun Chemical SI

Lab Sample No: **765422**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08785.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.8
Bromomethane	ND	4.8
Vinyl Chloride	ND	4.8
Chloroethane	ND	4.8
Methylene Chloride	ND	2.9
Acetone	40 B	4.8
Carbon Disulfide	0.6J	4.8
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
1,2-Dichloroethane	ND	1.9
2-Butanone	ND	4.8
1,1,1-Trichloroethane	ND	4.8
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.8
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.8
1,1,2-Trichloroethane	ND	2.9
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	4.8
Bromoform	ND	3.8
4-Methyl-2-Pentanone	ND	4.8
2-Hexanone	ND	4.8
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	4.8
Chlorobenzene	ND	4.8
Ethylbenzene	ND	3.8
Styrene	ND	4.8
Xylene (Total)	ND	4.8

Client ID: **B905-SS01**
Site: Sun Chemical SI

Lab Sample No: **765422**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08785.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 10.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B905-SS02**
Site: Sun Chemical SI

Lab Sample No: **765423**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08786.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	22 B	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **B905-SS02**
Site: Sun Chemical SI

Lab Sample No: **765423**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08786.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 12.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B901-SS01**
Site: Sun Chemical SI

Lab Sample No: **765424**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08787.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 9

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	19 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	0.8J	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B901-SS01**
Site: Sun Chemical SI

Lab Sample No: **765424**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08787.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 9.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B901-SS02**
Site: Sun Chemical SI

Lab Sample No: **765425**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08788.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.7
Acetone	21 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.7
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.6
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.6
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B901-SS02**
Site: Sun Chemical SI

Lab Sample No: **765425**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08788.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 11.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B904-SS01**
Site: Sun Chemical SI

Lab Sample No: **765426**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08789.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.2
Acetone	32 B	5.4
Carbon Disulfide	ND	5.4
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.4
1,1,1-Trichloroethane	ND	5.4
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.2
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.4
Bromoform	ND	4.3
4-Methyl-2-Pentanone	ND	5.4
2-Hexanone	ND	5.4
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.4
Chlorobenzene	ND	5.4
Ethylbenzene	ND	4.3
Styrene	ND	5.4
Xylene (Total)	ND	5.4

Client ID: **B904-SS01**
Site: Sun Chemical SI

Lab Sample No: **765426**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08789.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 14.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B904-SS01D**
Site: Sun Chemical SI

Lab Sample No: **765427**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08790.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	28 B	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **B904-SS01D**
Site: Sun Chemical SI

Lab Sample No: **765427**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08790.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 13.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B904-SS02**
Site: Sun Chemical SI

Lab Sample No: **765428**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08791.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	32 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	1.4J	4.6

Client ID: **B904-SS02**
Site: Sun Chemical SI

Lab Sample No: **765428**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08791.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B101-SS01**
Site: Sun Chemical SI

Lab Sample No: **765429**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68487.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	570
Bromomethane	ND	570
Vinyl Chloride	ND	570
Chloroethane	ND	570
Methylene Chloride	ND	340
Acetone	ND	570
Carbon Disulfide	ND	570
1,1-Dichloroethene	ND	230
1,1-Dichloroethane	ND	570
trans-1,2-Dichloroethene	ND	570
cis-1,2-Dichloroethene	ND	570
Chloroform	ND	570
1,2-Dichloroethane	ND	230
2-Butanone	ND	570
1,1,1-Trichloroethane	ND	570
Carbon Tetrachloride	ND	230
Bromodichloromethane	ND	110
1,2-Dichloropropane	ND	110
cis-1,3-Dichloropropene	ND	570
Trichloroethene	ND	110
Dibromochloromethane	ND	570
1,1,2-Trichloroethane	ND	340
Benzene	ND	110
trans-1,3-Dichloropropene	ND	570
Bromoform	ND	460
4-Methyl-2-Pentanone	ND	570
2-Hexanone	ND	570
Tetrachloroethene	ND	110
1,1,2,2-Tetrachloroethane	ND	110
Toluene	ND	570
Chlorobenzene	ND	570
Ethylbenzene	270 J	460
Styrene	ND	570
Xylene (Total)	740	570

Client ID: **B101-SS01**
Site: Sun Chemical SI

Lab Sample No: **765429**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68487.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. C10H22 Alkane	12.06	8400	
2. C10H22 Alkane	12.52	27000	
3. C11H24 Alkane	12.80	9600	
4. C10H20 Cycloalkane	13.18	13000	
5. Ethyldimethylbenzene isomer	13.26	12000	
6. Decahydronaphthalene isomer	13.76	21000	
7. Ethyldimethylbenzene isomer/Unknown	14.00	8100	
8. Unknown Cycloalkane	14.47	15000	
9. Decahydromethylnaphthalene isomer	14.75	6700	
10. Tetramethylbenzene isomer	15.18	9700	
11.			
12.			
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TOTAL ESTIMATED CONCENTRATION	130500

Client ID: **B101-SS02**
Site: Sun Chemical SI

Lab Sample No: **765430**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68488.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	540
Bromomethane	ND	540
Vinyl Chloride	ND	540
Chloroethane	ND	540
Methylene Chloride	ND	320
Acetone	ND	540
Carbon Disulfide	ND	540
1,1-Dichloroethene	ND	220
1,1-Dichloroethane	ND	540
trans-1,2-Dichloroethene	ND	540
cis-1,2-Dichloroethene	ND	540
Chloroform	ND	540
1,2-Dichloroethane	ND	220
2-Butanone	ND	540
1,1,1-Trichloroethane	ND	540
Carbon Tetrachloride	ND	220
Bromodichloromethane	ND	110
1,2-Dichloropropane	ND	110
cis-1,3-Dichloropropene	ND	540
Trichloroethene	ND	110
Dibromochloromethane	ND	540
1,1,2-Trichloroethane	ND	320
Benzene	ND	110
trans-1,3-Dichloropropene	ND	540
Bromoform	ND	430
4-Methyl-2-Pentanone	ND	540
2-Hexanone	ND	540
Tetrachloroethene	ND	110
1,1,2,2-Tetrachloroethane	ND	110
Toluene	ND	540
Chlorobenzene	ND	540
Ethylbenzene	ND	430
Styrene	ND	540
Xylene (Total)	ND	540

Client ID: **B101-SS02**
Site: Sun Chemical SI

Lab Sample No: **765430**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68488.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	12.53	4600	
2.	Unknown Alkane	12.81	3400	
3.	C10H20 Cycloalkane	13.20	4300	
4.	Coeluting Unknowns	13.76	7100	
5.	C11H22 Cycloalkane	14.47	5100	
6.	Decahydromethylnaphthalene isomer	14.74	1500	
7.	Tetramethylbenzene isomer	15.18	5300	
8.	C12H24 Cycloalkane	15.95	4600	
9.	Unknown	16.44	2200	
10.	Unknown	17.84	2100	
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TOTAL ESTIMATED CONCENTRATION 40200

Client ID: **B101-SS03**
Site: Sun Chemical SI

Lab Sample No: **765431**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08805.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.2 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.9
Bromomethane	ND	6.9
Vinyl Chloride	ND	6.9
Chloroethane	ND	6.9
Methylene Chloride	ND	4.1
Acetone	100 B	6.9
Carbon Disulfide	ND	6.9
1,1-Dichloroethene	ND	2.7
1,1-Dichloroethane	ND	6.9
trans-1,2-Dichloroethene	ND	6.9
cis-1,2-Dichloroethene	ND	6.9
Chloroform	ND	6.9
1,2-Dichloroethane	ND	2.7
2-Butanone	ND	6.9
1,1,1-Trichloroethane	ND	6.9
Carbon Tetrachloride	ND	2.7
Bromodichloromethane	ND	1.4
1,2-Dichloropropane	ND	1.4
cis-1,3-Dichloropropene	ND	6.9
Trichloroethene	ND	1.4
Dibromochloromethane	ND	6.9
1,1,2-Trichloroethane	ND	4.1
Benzene	ND	1.4
trans-1,3-Dichloropropene	ND	6.9
Bromoform	ND	5.5
4-Methyl-2-Pentanone	ND	6.9
2-Hexanone	ND	6.9
Tetrachloroethene	ND	1.4
1,1,2,2-Tetrachloroethane	ND	1.4
Toluene	ND	6.9
Chlorobenzene	ND	6.9
Ethylbenzene	ND	5.5
Styrene	ND	6.9
Xylene (Total)	ND	6.9

Client ID: **B101-SS03**
Site: Sun Chemical SI

Lab Sample No: **765431**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08805.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.2 g
Purge Volume: 5.0 ml
% Moisture: 12.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Decahydromethylnaphthalene isomer	10.06	87	
2.	Decahydromethylnaphthalene isomer	10.25	74	
3.	Unknown	10.77	53	
4.	C10H14 Aromatic/Unknown	10.84	59	
5.	Unknown Alkane/Unknown	10.89	73	
6.	Coeluting Aromatics	11.12	29	
7.	Coeluting Aromatics	11.16	96	
8.	Unknown Alkane/Unknown Aromatic	11.36	62	
9.	Tetrahydromethylnaphthalene isomer	11.70	52	
10.	Unknown Alkane/Unknown Aromatic	12.06	60	
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TOTAL ESTIMATED CONCENTRATION 645

Client ID: **B102-SS01**
Site: Sun Chemical SI

Lab Sample No: **765436**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08838.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Acetone	47 B	5.5
Carbon Disulfide	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.5
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.5
Bromoform	ND	4.4
4-Methyl-2-Pentanone	ND	5.5
2-Hexanone	ND	5.5
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	ND	4.4
Styrene	ND	5.5
Xylene (Total)	ND	5.5

Client ID: **B102-SS01**
Site: Sun Chemical SI

Lab Sample No: **765436**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08838.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	10.89	5.8	
2.	Unknown Alkane	12.06	6.2	
3.				
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION 12

Client ID: **B102-SS02**
Site: Sun Chemical SI

Lab Sample No: **765437**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08813.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.2
Acetone	35 B	5.4
Carbon Disulfide	ND	5.4
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.1
2-Butanone	ND	5.4
1,1,1-Trichloroethane	ND	5.4
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.2
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.4
Bromoform	ND	4.3
4-Methyl-2-Pentanone	ND	5.4
2-Hexanone	ND	5.4
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.4
Chlorobenzene	ND	5.4
Ethylbenzene	ND	4.3
Styrene	ND	5.4
Xylene (Total)	ND	5.4

Client ID: **B102-SS02**
Site: Sun Chemical SI

Lab Sample No: **765437**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08813.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 11.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B102-SS03**
Site: Sun Chemical SI

Lab Sample No: **765438**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08814.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.8
Bromomethane	ND	5.8
Vinyl Chloride	ND	5.8
Chloroethane	ND	5.8
Methylene Chloride	ND	3.4
Acetone	100 B	5.8
Carbon Disulfide	1.2J	5.8
1,1-Dichloroethene	ND	2.3
1,1-Dichloroethane	ND	5.8
trans-1,2-Dichloroethene	ND	5.8
cis-1,2-Dichloroethene	ND	5.8
Chloroform	ND	5.8
1,2-Dichloroethane	ND	2.3
2-Butanone	11	5.8
1,1,1-Trichloroethane	ND	5.8
Carbon Tetrachloride	ND	2.3
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	5.8
Trichloroethene	ND	1.2
Dibromochloromethane	ND	5.8
1,1,2-Trichloroethane	ND	3.4
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	5.8
Bromoform	ND	4.6
4-Methyl-2-Pentanone	ND	5.8
2-Hexanone	ND	5.8
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	5.8
Chlorobenzene	ND	5.8
Ethylbenzene	ND	4.6
Styrene	ND	5.8
Xylene (Total)	ND	5.8

Client ID: **B102-SS03**
Site: Sun Chemical SI

Lab Sample No: **765438**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08814.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 15.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B801-SS02**
Site: Sun Chemical SI

Lab Sample No: **765446**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08816.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.7
Bromomethane	ND	5.7
Vinyl Chloride	ND	5.7
Chloroethane	ND	5.7
Methylene Chloride	ND	3.4
Acetone	ND	5.7
Carbon Disulfide	ND	5.7
1,1-Dichloroethene	ND	2.3
1,1-Dichloroethane	ND	5.7
trans-1,2-Dichloroethene	ND	5.7
cis-1,2-Dichloroethene	ND	5.7
Chloroform	ND	5.7
1,2-Dichloroethane	ND	2.3
2-Butanone	ND	5.7
1,1,1-Trichloroethane	ND	5.7
Carbon Tetrachloride	ND	2.3
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.7
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.7
1,1,2-Trichloroethane	ND	3.4
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.7
Bromoform	ND	4.5
4-Methyl-2-Pentanone	ND	5.7
2-Hexanone	ND	5.7
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.7
Chlorobenzene	ND	5.7
Ethylbenzene	ND	4.5
Styrene	ND	5.7
Xylene (Total)	ND	5.7

Client ID: **B801-SS02**
Site: Sun Chemical SI

Lab Sample No: **765446**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08816.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 17.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B701-SS02**
Site: Sun Chemical SI

Lab Sample No: **765448**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08817.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Acetone	ND	5.5
Carbon Disulfide	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.5
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.5
Bromoform	ND	4.4
4-Methyl-2-Pentanone	ND	5.5
2-Hexanone	ND	5.5
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	ND	4.4
Styrene	ND	5.5
Xylene (Total)	ND	5.5

Client ID: **B701-SS02**
Site: Sun Chemical SI

Lab Sample No: **765448**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08817.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 22.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B702-SS02**
Site: Sun Chemical SI

Lab Sample No: **765450**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08818.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 9

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.3
Bromomethane	ND	4.3
Vinyl Chloride	ND	4.3
Chloroethane	ND	4.3
Methylene Chloride	ND	2.6
Acetone	ND	4.3
Carbon Disulfide	ND	4.3
1,1-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	4.3
trans-1,2-Dichloroethene	ND	4.3
cis-1,2-Dichloroethene	ND	4.3
Chloroform	ND	4.3
1,2-Dichloroethane	ND	1.7
2-Butanone	ND	4.3
1,1,1-Trichloroethane	ND	4.3
Carbon Tetrachloride	ND	1.7
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.3
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.3
1,1,2-Trichloroethane	ND	2.6
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.3
Bromoform	ND	3.4
4-Methyl-2-Pentanone	ND	4.3
2-Hexanone	ND	4.3
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.3
Chlorobenzene	ND	4.3
Ethylbenzene	ND	3.4
Styrene	ND	4.3
Xylene (Total)	ND	4.3

Client ID: **B702-SS02**
Site: Sun Chemical SI

Lab Sample No: **765450**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08818.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 9.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample No: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31989.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	14 J	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	220 J	380
Anthracene	48 J	380

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample No: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31989.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	330 J	380
Pyrene	350 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	230	38
Chrysene	220 J	380
bis(2-Ethylhexyl)phthalate	160 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	160	38
Benzo(k)fluoranthene	150	38
Benzo(a)pyrene	180	38
Indeno(1,2,3-cd)pyrene	63	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	58 J	380

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample No: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31989.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Trichlorobiphenyl isomer	14.15	400	
2. Trichlorobiphenyl isomer	14.18	520	
3. Tetrachlorobiphenyl isomer	14.58	860	
4. Tetrachlorobiphnyl isomer	14.64	500	
5. Unknown	14.69	330	
6. Tetrachlorobiphenyl isomer	14.85	630	
7. Tetrachlorobiphenyl isomer	15.01	560	
8. Tetrachlorobiphenyl isomer	15.27	440	
9. Tetrachlorobiphenyl isomer	15.30	770	
10. Tetrachlorobiphenyl isomer	15.36	960	
11. Tetrachlorobiphenyl isomer	15.56	450	
12. Unknown Alkane	19.89	320	
13. Unknown Alkane	21.87	360	
14. Unknown	25.06	710	
15.			
16.			
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TOTAL ESTIMATED CONCENTRATION 7810

Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample No: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31991.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	ND	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	82 J	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	ND	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	32 J	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	550	400
Anthracene	150 J	400

Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample No: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31991.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	41 J	400
Di-n-butylphthalate	ND	400
Fluoranthene	860	400
Pyrene	810	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	570	40
Chrysene	520	400
bis(2-Ethylhexyl)phthalate	87 J	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	390	40
Benzo(k)fluoranthene	460	40
Benzo(a)pyrene	540	40
Indeno(1,2,3-cd)pyrene	170	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	150 J	400

Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample No: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31991.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. C19H14 PAH	18.43	360	
2. Unknown	19.47	1200	
3. Unknown Alkane	19.90	400	
4. C20H12 PAH	20.73	390	
5. Unknown	21.36	480	
6. Unknown Alkane	21.86	490	
7. Unknown	23.71	440	
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TOTAL ESTIMATED CONCENTRATION	3760

Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample No: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31992.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	360
1,3-Dichlorobenzene	ND	3600
1,4-Dichlorobenzene	ND	3600
1,2-Dichlorobenzene	ND	3600
bis(2-chloroisopropyl)ether	ND	3600
N-Nitroso-di-n-propylamine	ND	360
Hexachloroethane	ND	360
Nitrobenzene	ND	360
Isophorone	ND	3600
bis(2-Chloroethoxy)methane	ND	3600
1,2,4-Trichlorobenzene	ND	360
Naphthalene	ND	3600
4-Chloroaniline	ND	3600
Hexachlorobutadiene	ND	710
2-Methylnaphthalene	130 J	3600
Hexachlorocyclopentadiene	ND	3600
2-Chloronaphthalene	ND	3600
2-Nitroaniline	ND	7100
Dimethylphthalate	ND	3600
Acenaphthylene	ND	3600
2,6-Dinitrotoluene	ND	710
3-Nitroaniline	ND	7100
Acenaphthene	ND	3600
Dibenzofuran	ND	3600
2,4-Dinitrotoluene	ND	710
Diethylphthalate	ND	3600
4-Chlorophenyl-phenylether	ND	3600
Fluorene	110 J	3600
4-Nitroaniline	ND	7100
N-Nitrosodiphenylamine	ND	3600
4-Bromophenyl-phenylether	ND	3600
Hexachlorobenzene	ND	360
Phenanthrene	420 J	3600
Anthracene	ND	3600

Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample No: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31992.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3600
Di-n-butylphthalate	ND	3600
Fluoranthene	120 J	3600
Pyrene	370 J	3600
Butylbenzylphthalate	ND	3600
3,3'-Dichlorobenzidine	ND	7100
Benzo(a)anthracene	210 J	360
Chrysene	280 J	3600
bis(2-Ethylhexyl)phthalate	36000	3600
Di-n-octylphthalate	ND	3600
Benzo(b)fluoranthene	170 J	360
Benzo(k)fluoranthene	190 J	360
Benzo(a)pyrene	130 J	360
Indeno(1,2,3-cd)pyrene	ND	360
Dibenz(a,h)anthracene	ND	360
Benzo(g,h,i)perylene	ND	3600

Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample No: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31992.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 6.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	11.04	4700	
2. Pentadecane	11.32	3400	
3. Unknown Alkane	11.98	4200	
4. Unknown Alkane	12.37	12000	
5. Unknown Alkane	12.71	3400	
6. Unknown Alkane	12.76	13000	
7. Unknown Alkane	13.00	2800	
8. Unknown Alkane	13.06	2200	
9. Unknown	13.22	2300	
10. Unknown Alkane	13.42	9200	
11. Unknown Alkane	13.62	1800	
12. Unknown Alkane	13.97	1900	
13. Unknown	20.85	2600	
14. Unknown	22.63	3900	
15. Unknown	23.62	5400	
16.			
17.			
18.			
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28.			
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TOTAL ESTIMATED CONCENTRATION	72800

Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample No: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31967.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	ND	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	ND	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	ND	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	ND	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	ND	400
Anthracene	ND	400

Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample No: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31967.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	400
Di-n-butylphthalate	ND	400
Fluoranthene	ND	400
Pyrene	ND	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	ND	40
Chrysene	ND	400
bis(2-Ethylhexyl)phthalate	ND	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	ND	40
Benzo(k)fluoranthene	ND	40
Benzo(a)pyrene	ND	40
Indeno(1,2,3-cd)pyrene	ND	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	ND	400

Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample No: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31967.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample No: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31993.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	380
1,3-Dichlorobenzene	ND	3800
1,4-Dichlorobenzene	ND	3800
1,2-Dichlorobenzene	ND	3800
bis(2-chloroisopropyl)ether	ND	3800
N-Nitroso-di-n-propylamine	ND	380
Hexachloroethane	ND	380
Nitrobenzene	ND	380
Isophorone	ND	3800
bis(2-Chloroethoxy)methane	ND	3800
1,2,4-Trichlorobenzene	ND	380
Naphthalene	ND	3800
4-Chloroaniline	ND	3800
Hexachlorobutadiene	ND	760
2-Methylnaphthalene	ND	3800
Hexachlorocyclopentadiene	ND	3800
2-Chloronaphthalene	ND	3800
2-Nitroaniline	ND	7600
Dimethylphthalate	27000	3800
Acenaphthylene	ND	3800
2,6-Dinitrotoluene	ND	760
3-Nitroaniline	ND	7600
Acenaphthene	ND	3800
Dibenzofuran	ND	3800
2,4-Dinitrotoluene	ND	760
Diethylphthalate	ND	3800
4-Chlorophenyl-phenylether	ND	3800
Fluorene	ND	3800
4-Nitroaniline	ND	7600
N-Nitrosodiphenylamine	ND	3800
4-Bromophenyl-phenylether	ND	3800
Hexachlorobenzene	ND	380
Phenanthrene	ND	3800
Anthracene	ND	3800

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample No: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31993.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3800
Di-n-butylphthalate	33000	3800
Fluoranthene	ND	3800
Pyrene	ND	3800
Butylbenzylphthalate	ND	3800
3,3'-Dichlorobenzidine	ND	7600
Benzo(a)anthracene	ND	380
Chrysene	ND	3800
bis(2-Ethylhexyl)phthalate	5000	3800
Di-n-octylphthalate	ND	3800
Benzo(b)fluoranthene	ND	380
Benzo(k)fluoranthene	ND	380
Benzo(a)pyrene	ND	380
Indeno(1,2,3-cd)pyrene	ND	380
Dibenz(a,h)anthracene	ND	380
Benzo(g,h,i)perylene	ND	3800

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample No: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31993.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 12.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	5.80	120000	
2.	Unknown	9.95	8900	
3.	Unknown	12.13	26000	
4.	Unknown Alkane	12.60	20000	
5.	Unknown Alkane	13.89	6400	
6.	Unknown Alkane	14.56	8100	
7.	Unknown Alkane	14.66	16000	
8.	Unknown	14.81	15000	
9.	Isopropylidenediphenol isomer	15.10	6100	
10.	Unknown	15.26	3700	
11.	Unknown	17.38	7500	
12.	Unknown	19.09	3500	
13.	Unknown	19.39	56000	
14.	Unknown	23.62	3200	
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TOTAL ESTIMATED CONCENTRATION 300400

Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample No: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31994.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	370
1,3-Dichlorobenzene	ND	3700
1,4-Dichlorobenzene	ND	3700
1,2-Dichlorobenzene	ND	3700
bis(2-chloroisopropyl)ether	ND	3700
N-Nitroso-di-n-propylamine	ND	370
Hexachloroethane	ND	370
Nitrobenzene	ND	370
Isophorone	ND	3700
bis(2-Chloroethoxy)methane	ND	3700
1,2,4-Trichlorobenzene	ND	370
Naphthalene	ND	3700
4-Chloroaniline	ND	3700
Hexachlorobutadiene	ND	740
2-Methylnaphthalene	ND	3700
Hexachlorocyclopentadiene	ND	3700
2-Chloronaphthalene	ND	3700
2-Nitroaniline	ND	7400
Dimethylphthalate	ND	3700
Acenaphthylene	ND	3700
2,6-Dinitrotoluene	ND	740
3-Nitroaniline	ND	7400
Acenaphthene	ND	3700
Dibenzofuran	ND	3700
2,4-Dinitrotoluene	ND	740
Diethylphthalate	ND	3700
4-Chlorophenyl-phenylether	ND	3700
Fluorene	ND	3700
4-Nitroaniline	ND	7400
N-Nitrosodiphenylamine	ND	3700
4-Bromophenyl-phenylether	ND	3700
Hexachlorobenzene	ND	370
Phenanthrene	ND	3700
Anthracene	ND	3700

Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample No: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31994.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3700
Di-n-butylphthalate	6200	3700
Fluoranthene	ND	3700
Pyrene	ND	3700
Butylbenzylphthalate	ND	3700
3,3'-Dichlorobenzidine	ND	7400
Benzo(a)anthracene	ND	370
Chrysene	ND	3700
bis(2-Ethylhexyl)phthalate	ND	3700
Di-n-octylphthalate	ND	3700
Benzo(b)fluoranthene	ND	370
Benzo(k)fluoranthene	ND	370
Benzo(a)pyrene	ND	370
Indeno(1,2,3-cd)pyrene	ND	370
Dibenz(a,h)anthracene	ND	370
Benzo(g,h,i)perylene	ND	3700

Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample No: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31994.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 9.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	6.17	13000	
2.	Unknown	8.48	16000	
3.	Unknown	8.94	81000	
4.	Unknown	8.96	5600	
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TOTAL ESTIMATED CONCENTRATION 115600

Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample No: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31966.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	ND	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	ND	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	ND	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	ND	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	ND	400
Anthracene	ND	400

Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample No: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31966.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	400
Di-n-butylphthalate	ND	400
Fluoranthene	ND	400
Pyrene	ND	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	ND	40
Chrysene	ND	400
bis(2-Ethylhexyl)phthalate	ND	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	ND	40
Benzo(k)fluoranthene	ND	40
Benzo(a)pyrene	ND	40
Indeno(1,2,3-cd)pyrene	ND	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	ND	400

Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample No: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31966.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/31/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052216.d
Rear File ID: qr052216.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 13

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	390	R
Aroclor-1221	ND	390	R
Aroclor-1232	ND	390	R
Aroclor-1242	ND	390	R
Aroclor-1248	3300	390	F
Aroclor-1254	ND	390	R
Aroclor-1260	ND	390	R
Aroclor-1262	ND	390	R
Aroclor-1268	ND	390	R

Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample ID: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052145.d
Rear File ID: qr052145.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/31/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052217.d
Rear File ID: qr052217.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 2.0
% Moisture: 7

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	140	R
Aroclor-1221	ND	140	R
Aroclor-1232	ND	140	R
Aroclor-1242	ND	140	R
Aroclor-1248	2000	140	R
Aroclor-1254	2300	140	F
Aroclor-1260	ND	140	R
Aroclor-1262	ND	140	R
Aroclor-1268	1100	140	F

Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample ID: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052147.d
Rear File ID: qr052147.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/02/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052271.d
Rear File ID: qr052271.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 10.0
% Moisture: 13

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	770	R
Aroclor-1221	ND	770	R
Aroclor-1232	ND	770	R
Aroclor-1242	ND	770	R
Aroclor-1248	14000	770	R
Aroclor-1254	ND	770	R
Aroclor-1260	ND	770	R
Aroclor-1262	ND	770	R
Aroclor-1268	ND	770	R

Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052149.d
Rear File ID: qr052149.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample ID: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052150.d
Rear File ID: qr052150.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Client ID: **B903-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765418
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.0	1.0		P
Barium	49.9	0.29		P
Beryllium	0.51	0.023		P
Cadmium	ND	0.11		P
Chromium	39.2	0.63		P
Copper	45.9	0.70		P
Lead	41.7	0.50		P
Mercury	0.16	0.019		CV
Nickel	160	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	68.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B903-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765419
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.8	1.0		P
Barium	60.5	0.29		P
Beryllium	0.59	0.023		P
Cadmium	ND	0.11		P
Chromium	46.2	0.63		P
Copper	43.7	0.70		P
Lead	49.9	0.50		P
Mercury	0.17	0.019		CV
Nickel	175	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	56.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B902-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765420
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 10.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	1.2	1.0		P
Barium	58.6	0.29		P
Beryllium	0.41	0.022	B	P
Cadmium	ND	0.11		P
Chromium	26.4	0.62		P
Copper	12.8	0.69		P
Lead	9.4	0.49		P
Mercury	0.03	0.019	B	CV
Nickel	118	0.87		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	30.1	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B902-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765421
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.6	1.0		P
Barium	39.1	0.30	B	P
Beryllium	0.85	0.023		P
Cadmium	ND	0.11		P
Chromium	30.4	0.64		P
Copper	24.0	0.71		P
Lead	8.5	0.50		P
Mercury	0.02	0.016	B	CV
Nickel	234	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	52.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B905-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765422
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.00	N	P
Arsenic	6.1	0.92		P
Barium	105	0.26		P
Beryllium	0.52	0.020		P
Cadmium	0.13	0.10	B	P
Chromium	34.8	0.57		P
Copper	37.0	0.63		P
Lead	121	0.45		P
Mercury	0.17	0.019		CV
Nickel	167	0.79		P
Selenium	ND	0.98		P
Silver	ND	0.24		P
Thallium	ND	0.98		P
Zinc	116	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B905-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765423
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.3	1.0		P
Barium	83.3	0.30		P
Beryllium	0.52	0.023		P
Cadmium	ND	0.11		P
Chromium	29.4	0.64		P
Copper	56.8	0.71		P
Lead	65.6	0.50		P
Mercury	0.24	0.019		CV
Nickel	149	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	130	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B901-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765424
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.9	0.99		P
Barium	59.4	0.29		P
Beryllium	0.50	0.022		P
Cadmium	ND	0.11		P
Chromium	29.7	0.62		P
Copper	29.3	0.68		P
Lead	61.1	0.49		P
Mercury	0.19	0.018		CV
Nickel	145	0.86		P
Selenium	ND	1.1		P
Silver	ND	0.26		P
Thallium	ND	1.1		P
Zinc	72.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B901-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765425
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.9	1.0		P
Barium	63.8	0.29		P
Beryllium	0.60	0.023		P
Cadmium	ND	0.11		P
Chromium	29.7	0.63		P
Copper	42.6	0.70		P
Lead	79.6	0.50		P
Mercury	0.29	0.019		CV
Nickel	130	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	57.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B904-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765426
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 14.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.7	1.1		P
Barium	58.6	0.30		P
Beryllium	0.56	0.023		P
Cadmium	ND	0.12		P
Chromium	37.5	0.65		P
Copper	39.2	0.72		P
Lead	85.2	0.51		P
Mercury	0.19	0.019		CV
Nickel	156	0.91		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	67.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B904-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 765427
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 13.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.7	1.0		P
Barium	57.6	0.30		P
Beryllium	0.53	0.023		P
Cadmium	ND	0.12		P
Chromium	37.3	0.65		P
Copper	36.2	0.72		P
Lead	82.8	0.51		P
Mercury	0.20	0.019		CV
Nickel	153	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	65.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B904-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765428
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.1	1.0		P
Barium	91.4	0.30		P
Beryllium	0.59	0.023		P
Cadmium	ND	0.11		P
Chromium	37.5	0.64		P
Copper	54.0	0.71		P
Lead	144	0.51		P
Mercury	0.17	0.019		CV
Nickel	174	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	99.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B101-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765429
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	3.6	1.1	N	P
Arsenic	10.2	1.0		P
Barium	213	0.30		P
Beryllium	0.44	0.023	B	P
Cadmium	ND	0.11		P
Chromium	84.0	0.64		P
Copper	121	0.71		P
Lead	290	0.51		P
Mercury	0.32	0.019		CV
Nickel	100	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	118	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B101-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765430
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.7	1.1	BN	P
Arsenic	9.6	1.0		P
Barium	127	0.30		P
Beryllium	0.49	0.023		P
Cadmium	ND	0.11		P
Chromium	84.5	0.64		P
Copper	76.2	0.71		P
Lead	317	0.50		P
Mercury	0.24	0.016		CV
Nickel	135	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	81.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B101-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765431
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.7	1.0		P
Barium	69.6	0.30		P
Beryllium	0.65	0.023		P
Cadmium	ND	0.11		P
Chromium	72.2	0.64		P
Copper	46.6	0.71		P
Lead	61.9	0.50		P
Mercury	0.06	0.019		CV
Nickel	156	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	86.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1401-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765432
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 13.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.0	N	P
Arsenic	70.4	0.94		P
Barium	81.8	0.27		P
Beryllium	0.57	0.021		P
Cadmium	ND	0.10		P
Chromium	49.7	0.59		P
Copper	46.7	0.65		P
Lead	172	0.46		P
Mercury	0.14	0.016		CV
Nickel	81.2	0.82		P
Selenium	ND	1.0		P
Silver	ND	0.25		P
Thallium	ND	1.0		P
Zinc	60.6	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1401-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765433
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	4.1	1.1		P
Barium	48.4	0.31		P
Beryllium	0.47	0.024		P
Cadmium	ND	0.12		P
Chromium	27.3	0.67		P
Copper	20.0	0.75		P
Lead	59.0	0.53		P
Mercury	0.28	0.020		CV
Nickel	57.0	0.94		P
Selenium	ND	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	75.1	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1402-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765434
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 6.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	9.2	0.96		P
Barium	114	0.28		P
Beryllium	0.25	0.021	B	P
Cadmium	0.11	0.11	B	P
Chromium	19.6	0.60		P
Copper	65.1	0.66		P
Lead	116	0.47		P
Mercury	0.06	0.018		CV
Nickel	18.5	0.84		P
Selenium	ND	1.0		P
Silver	ND	0.26		P
Thallium	ND	1.0		P
Zinc	79.2	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1402-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765435
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 16.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	4.2	1.1		P
Barium	51.2	0.31		P
Beryllium	0.69	0.024		P
Cadmium	ND	0.12		P
Chromium	51.1	0.67		P
Copper	28.2	0.74		P
Lead	10.9	0.53		P
Mercury	ND	0.017		CV
Nickel	224	0.93		P
Selenium	ND	1.1		P
Silver	ND	0.29		P
Thallium	ND	1.1		P
Zinc	56.1	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B102-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765436
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.6	1.1	N	P
Arsenic	5.4	1.0		P
Barium	153	0.29		P
Beryllium	0.43	0.022		P
Cadmium	ND	0.11		P
Chromium	70.9	0.63		P
Copper	55.5	0.70		P
Lead	126	0.49		P
Mercury	0.26	0.019		CV
Nickel	116	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	110	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B102-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765437
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.2	0.73		P
Barium	46.2	0.39		P
Beryllium	0.51	0.068		P
Cadmium	ND	0.091		P
Chromium	40.1	0.36	N*	P
Copper	23.8	0.84		P
Lead	22.8	0.61	*	P
Mercury	0.08	0.019		CV
Nickel	162	0.54	N	P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	40.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B102-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765438
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.8	1.4	N	P
Arsenic	6.5	0.75		P
Barium	48.6	0.40		P
Beryllium	0.81	0.071		P
Cadmium	1.8	0.094		P
Chromium	511	0.38	N*	P
Copper	41.6	0.87		P
Lead	182	0.64	*	P
Mercury	0.14	0.020		CV
Nickel	173	0.57	N	P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	685	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1403-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765439
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	12.5	0.73		P
Barium	139	0.39		P
Beryllium	0.50	0.069		P
Cadmium	0.62	0.092	B	P
Chromium	72.4	0.37	N*	P
Copper	159	0.85		P
Lead	305	0.62	*	P
Mercury	0.65	0.019		CV
Nickel	87.3	0.55	N	P
Selenium	ND	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	201	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1404-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765440
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.3	0.71		P
Barium	35.8	0.38	B	P
Beryllium	0.21	0.067	B	P
Cadmium	ND	0.089		P
Chromium	24.6	0.36	N*	P
Copper	7.7	0.82		P
Lead	3.3	0.60	*	P
Mercury	ND	0.018		CV
Nickel	12.8	0.53	N	P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	13.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1404-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765441
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	2.9	0.77		P
Barium	71.1	0.41		P
Beryllium	0.71	0.072		P
Cadmium	ND	0.096		P
Chromium	67.0	0.38	N*	P
Copper	20.4	0.89		P
Lead	7.9	0.65	*	P
Mercury	ND	0.020		CV
Nickel	273	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	57.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW2-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765442
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	11.6	0.77		P
Barium	102	0.41		P
Beryllium	1.4	0.072		P
Cadmium	ND	0.097		P
Chromium	113	0.39	N*	P
Copper	87.0	0.89		P
Lead	20.5	0.65	*	P
Mercury	ND	0.020		CV
Nickel	623	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	49.2	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW2-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765443
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.6	0.73		P
Barium	54.6	0.39		P
Beryllium	0.45	0.068		P
Cadmium	ND	0.091		P
Chromium	29.3	0.36	N*	P
Copper	17.6	0.84		P
Lead	6.3	0.61	*	P
Mercury	ND	0.016		CV
Nickel	218	0.54	N	P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	33.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B601-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765444
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	7.5	1.4	N	P
Arsenic	8.9	0.77		P
Barium	2280	0.41		P
Beryllium	0.47	0.072		P
Cadmium	5.0	0.097		P
Chromium	329	0.39	N*	P
Copper	50.5	0.89		P
Lead	2060	0.65	*	P
Mercury	0.60	0.020		CV
Nickel	84.4	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	152	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B801-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765445
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	4.1	0.78		P
Barium	64.8	0.41		P
Beryllium	0.75	0.073		P
Cadmium	ND	0.097		P
Chromium	54.7	0.39	N*	P
Copper	24.9	0.90		P
Lead	10.4	0.66	*	P
Mercury	ND	0.020		CV
Nickel	278	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	55.0	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B801-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765446
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	2.2	0.78		P
Barium	56.1	0.41		P
Beryllium	0.61	0.073		P
Cadmium	ND	0.097		P
Chromium	56.3	0.39	N*	P
Copper	17.3	0.90		P
Lead	7.7	0.66	*	P
Mercury	ND	0.017		CV
Nickel	265	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	44.6	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B701-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765447
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 15.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	9.6	1.4	N	P
Arsenic	7.3	0.76		P
Barium	428	0.40		P
Beryllium	0.25	0.071	B	P
Cadmium	0.13	0.094	B	P
Chromium	45.0	0.38	N*	P
Copper	94.9	0.87		P
Lead	884	0.64	*	P
Mercury	0.76	0.020		CV
Nickel	75.3	0.57	N	P
Selenium	1.5	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	85.7	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B701-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765448
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 22.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.7	1.5	N	P
Arsenic	6.9	0.82		P
Barium	164	0.44		P
Beryllium	0.31	0.077	B	P
Cadmium	0.27	0.10	B	P
Chromium	45.0	0.41	N*	P
Copper	124	0.95		P
Lead	139	0.69	*	P
Mercury	0.28	0.018		CV
Nickel	203	0.62	N	P
Selenium	1.2	1.1	B	P
Silver	ND	0.36		P
Thallium	ND	1.2		P
Zinc	105	1.5		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B702-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765449
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.6	0.71		P
Barium	29.9	0.38	B	P
Beryllium	0.45	0.067		P
Cadmium	ND	0.089		P
Chromium	37.3	0.36	N*	P
Copper	16.1	0.82		P
Lead	14.3	0.60	*	P
Mercury	0.03	0.018	B	CV
Nickel	181	0.53	N	P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	45.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B702-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765450
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.5	0.70		P
Barium	27.0	0.37	B	P
Beryllium	0.33	0.066	B	P
Cadmium	ND	0.088		P
Chromium	26.3	0.35	N*	P
Copper	17.4	0.81		P
Lead	5.2	0.59	*	P
Mercury	ND	0.018		CV
Nickel	247	0.53	N	P
Selenium	ND	0.92		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	53.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW3-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765451
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	4.0	0.75		P
Barium	1320	0.40		P
Beryllium	0.14	0.071	B	P
Cadmium	0.09	0.094	B	P
Chromium	109	0.38	N*	P
Copper	52.8	0.87		P
Lead	970	0.64	*	P
Mercury	0.07	0.020		CV
Nickel	25.3	0.57	N	P
Selenium	1.1	0.99	B	P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	41.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW3-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765452
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 13.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	4.0	0.74		P
Barium	594	0.39		P
Beryllium	0.29	0.069	B	P
Cadmium	ND	0.092		P
Chromium	41.2	0.37	N*	P
Copper	25.4	0.85		P
Lead	75.4	0.62	*	P
Mercury	0.05	0.016		CV
Nickel	63.1	0.55	N	P
Selenium	ND	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	31.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

W345

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical : Staten Island
Company: ENVIRON	P.O. #: 21-164434	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☒ (Rush 1/16/06) 3 Day ☐ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	Priority Pollutant Metals	AP VOC +10	LAB USE ONLY Sample Numbers
B903-SS01	8/28/06	0808	Soil	4	X	X	765418
B903-SS02		0812		4	X	X	419
B902-SS01		0840		4	X	X	420
B902-SS02		0844		4	X	X	421
B905-SS01		0901		4	X	X	422
B905-SS02		0908		4	X	X	423
B901-SS01		0914		4	X	X	424
B901-SS02		0918		4	X	X	425
B904-SS01		0936		4	X	X	426
B904-SS01D		0936		4	X	X	427

LAB USE ONLY: Project No. ____ Job No. W345

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____

Soil: 1 1 Water:

Special Instructions _____ Cooler Temp: 18° ON ICE Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	8/28/06 1715		STL
2.				
3.				
4.				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

106

W345

STL Edison

107

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical: Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☒ (8/26) 3 Day ☒ (8/26) Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0264		

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals	PP VOCs +10	PCBs	BN PP SVOCs +15		LAB USE ONLY Sample Numbers
B904-SS02	8/28/06	0943	Soil	4	X	X				76528
B101-SS01		1020		1	X	X				429
B101-SS02		1023		1	X	X				430
B101-SS03		1030		1	X	X				431
B1401-SS01		1046		1	X		X	X		432
B1401-SS02		1050		1	X		X	X		433
B1402-SS01		1100		1	X		X	X		434
B1402-SS02		1113		1	X		X	X		435
B102-SS01		1124		1	X	X				436
B102-SS02		1126		1	X	X				437

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____

Soil:	1	1	1	1
Water:				

Special Instructions _____ Cooler Temp: 18° ON ICE Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	8/28/06 1715		STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

W345

STL Edison

108

STL EDISON
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: SunChemical : Staten Island
Company: ENVIRON	P.O. #: 21- 16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address: 214 carnegie Center	Analysis Turnaround Time: Standard ☐	
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☒ (1 day 1.5x) 3 Day ☐ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY — Project No. — Job No. W345

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals	PPVOCs +10	PCBs	BN PP SVOCs +15 (8270C Full List)	Sample Numbers
B102-SS03	8/28/06	1129	Soil	1	X	X			765438
B1403-SS01		1224		1	X		X	X	439
B1404-SS01		1304		1	X		X	X	440
B1404-SS02		1305		1	X		X	X	441
MW2-SS01		1354		1	X				442
MW2-SS02		1359		1	X				443
B601-SS01		1408		1	X				444
B801-SS01		1431		1	X				445
B801-SS02		1437		4	X	X			446
B701-SS01		1501		1	X				447

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: 1 1 1 1

6 = Other _____, 7 = Other _____ — Water:

Special Instructions _____ Cooler Temp: 18° ON ICE Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1. Trevor Tompkins	ENVIRON	8/28/06 1715		STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

W345

STL Edison

109

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
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CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 4 OF 4

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical: Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☒ 3 Day ☒ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals	PP VOCs +10	LAB USE ONLY Sample Numbers
B701-SS02	8/28/08	1505	Soil	4	X	X	76548
B702-SS01	↓	1513	↓	1	X		449
B702-SS02		1520		4	X	X	450
MW3-SS01		1523		1	X		451
MW3-SS02	↓	1530	↓	1	X		452

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____

Soil:	1	1
Water:		

Special Instructions _____ Cooler Temp: 18° ON ICE Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1. [signature]	ENVIRON	8/28/08 1715	[signature]	STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

VOAMS

SOLID - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
765418	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765419	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765420	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765421	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765422	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765423	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765424	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765425	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765426	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765427	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765428	8/28/2006	8/28/2006			8/30/2006	Klusey, Sylvanus	0752
765429	8/28/2006	8/28/2006			9/1/2006	Deng, Lily	0742
765430	8/28/2006	8/28/2006			9/1/2006	Deng, Lily	0742
765431	8/28/2006	8/28/2006			9/1/2006	Klusey, Sylvanus	0752
765436	8/28/2006	8/28/2006			9/5/2006	Klusey, Sylvanus	0752
765437	8/28/2006	8/28/2006			9/1/2006	Klusey, Sylvanus	0752
765438	8/28/2006	8/28/2006			9/1/2006	Klusey, Sylvanus	0752
765446	8/28/2006	8/28/2006			9/1/2006	Klusey, Sylvanus	0744
765448	8/28/2006	8/28/2006			9/1/2006	Klusey, Sylvanus	0744
765450	8/28/2006	8/28/2006			9/1/2006	Klusey, Sylvanus	0744

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
765432	8/28/2006	8/28/2006	8/29/2006	Masango, Charles	9/15/2006	Vanaman, Susan	4554
765433	8/28/2006	8/28/2006	8/29/2006	Masango, Charles	9/15/2006	Vanaman, Susan	4554
765434	8/28/2006	8/28/2006	8/29/2006	Masango, Charles	9/15/2006	Vanaman, Susan	4554
765435	8/28/2006	8/28/2006	8/29/2006	Masango, Charles	9/14/2006	Asfaw, Abebaye	4554
765439	8/28/2006	8/28/2006	8/29/2006	Masango, Charles	9/15/2006	Vanaman, Susan	4554
765440	8/28/2006	8/28/2006	8/29/2006	Masango, Charles	9/15/2006	Vanaman, Susan	4554
765441	8/28/2006	8/28/2006	8/29/2006	Masango, Charles	9/14/2006	Asfaw, Abebaye	4554

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

PESTGC

8082

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
SOLID							
765432	8/28/2006	8/28/2006	8/29/2006	Alinea, Archie	8/31/2006	Diaz, Carol	4326
765433	8/28/2006	8/28/2006	8/29/2006	Alinea, Archie	8/29/2006	Diaz, Carol	4326
765434	8/28/2006	8/28/2006	8/29/2006	Alinea, Archie	8/31/2006	Diaz, Carol	4326
765435	8/28/2006	8/28/2006	8/29/2006	Alinea, Archie	8/29/2006	Diaz, Carol	4326
765439	8/28/2006	8/28/2006	8/29/2006	Alinea, Archie	9/2/2006	Diaz, Carol	4326
765440	8/28/2006	8/28/2006	8/29/2006	Alinea, Archie	8/29/2006	Diaz, Carol	4326
765441	8/28/2006	8/28/2006	8/29/2006	Alinea, Archie	8/29/2006	Diaz, Carol	4326

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765418	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765419	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765420	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765421	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765422	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765423	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765424	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765425	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765426	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765427	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765428 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765429	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765430	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765431	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765432	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765433	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765434	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765435	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765436	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/30/2006	Sheikh, Razia	8/30/2006	Sheikh, Razia	21224
ANTIMONY	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ARSENIC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BARIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
BERYLLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CADMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
CHROMIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
COPPER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
LEAD	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
NICKEL	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SELENIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
SILVER	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
THALLIUM	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224
ZINC	8/30/2006	Sanagavarapu, Suguna	9/1/2006	Maguire, Christopher	21224

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765437	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765438	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
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LABORATORY CHRONICLE
STL Edison

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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765439	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
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LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765440 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765441 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765442	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
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STL Edison

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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765443	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
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LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765444 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
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STL Edison

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08817

Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765445	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765446 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765447 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765448	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
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LABORATORY CHRONICLE
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765449	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
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Job No:	W345	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/28/2006
Sample No.:	765450	**Date Received:**	8/28/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
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STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765451 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W345 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 8/28/2006

Sample No.: 765452 **Date Received:** 8/28/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21227
ANTIMONY	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ARSENIC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BARIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
BERYLLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CADMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
CHROMIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
COPPER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
LEAD	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
NICKEL	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SELENIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
SILVER	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
THALLIUM	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227
ZINC	8/30/2006	Cheema, Ali	9/2/2006	Chang, Churnder	21227

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND/U - The compound was not detected at the indicated concentration.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: W345

Client: Environ Corporation, Inc.

Date: 9/27/2006

Sample Receipt:

Samples were received at laboratory with temperature of 18 deg C. Samples are considered acceptable since there is evidence that the chilling process has begun: sufficient ice present upon receipt

Volatile Organic Analysis (GC/MS):

Soil blank OV244 contains 4.2 ppb of Acetone. Sample results are flagged with a B qualifier.

Soil blank OV242 contains 3.1 ppb of Acetone. Sample results are flagged with a B qualifier.

Soil blank OV248 contains 4.0 ppb of Acetone. Sample results are flagged with a B qualifier.

Sample # 765421: Internal standard recovery is outside of Q.C. limits. Sample reanalyzed confirming matrix interference.

Base/Neutral and/or Acid Extractable Organics (GC/MS):

The extraction blank SB241 contains 280 ppb of Diethylphthalate. Sample results flagged with a B qualifier.

Sample 765440: Analyzed at a 10x dilution due to matrix interference.

Sample 765440: S- Acid surrogates recoveries are outside QC limts . BN surrogates within QC limts. Samples analyzed for BN compounds only.

Pesticides/PCBs:

PCB sample 765434: DCB surrogate standard recovery is biased high. (high recovery attributed to the presence of Aroclor 1262/1268 in the sample.

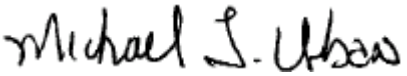
Metals:

QA Batch 21227: Chromium and lead Sample Duplicate RPD(s) are outside Q.C. limits. Poor precision attributed to non homogeneous sample (LCS/LCSdup RPD are within Q.C. limits).

QA Batch 21224: Antimony Matrix Spike recovery is outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

QA Batch 21227: Antimony, chromium and nickel Matrix Spike recoveries are outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **B903-SS01**
Site: Sun Chemical SI

Lab Sample No: **765418**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08781.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.5 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.3
Bromomethane	ND	4.3
Vinyl Chloride	ND	4.3
Chloroethane	ND	4.3
Methylene Chloride	ND	2.6
Acetone	ND	4.3
Carbon Disulfide	ND	4.3
1,1-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	4.3
trans-1,2-Dichloroethene	ND	4.3
cis-1,2-Dichloroethene	ND	4.3
Chloroform	ND	4.3
1,2-Dichloroethane	ND	1.7
2-Butanone	ND	4.3
1,1,1-Trichloroethane	ND	4.3
Carbon Tetrachloride	ND	1.7
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.3
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.3
1,1,2-Trichloroethane	ND	2.6
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.3
Bromoform	ND	3.4
4-Methyl-2-Pentanone	ND	4.3
2-Hexanone	ND	4.3
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.3
Chlorobenzene	ND	4.3
Ethylbenzene	ND	3.4
Styrene	ND	4.3
Xylene (Total)	ND	4.3

Client ID: **B903-SS01**
Site: Sun Chemical SI

Lab Sample No: **765418**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08781.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.5 g
Purge Volume: 5.0 ml
% Moisture: 11.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08781.d
Report Date: 07-Sep-2006 10:19

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08781.d
Lab Smp Id: 765418 Client Smp ID: B903-SS01
Inj Date : 30-AUG-2006 18:16
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765418;;;6.55;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50 Compound Sublist: HSLVOAv+10.sub

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.55000	Weight of sample extracted (g)
M	11.30000	% Moisture (not decanted)

Cpnd Variable — Local Compound Variable

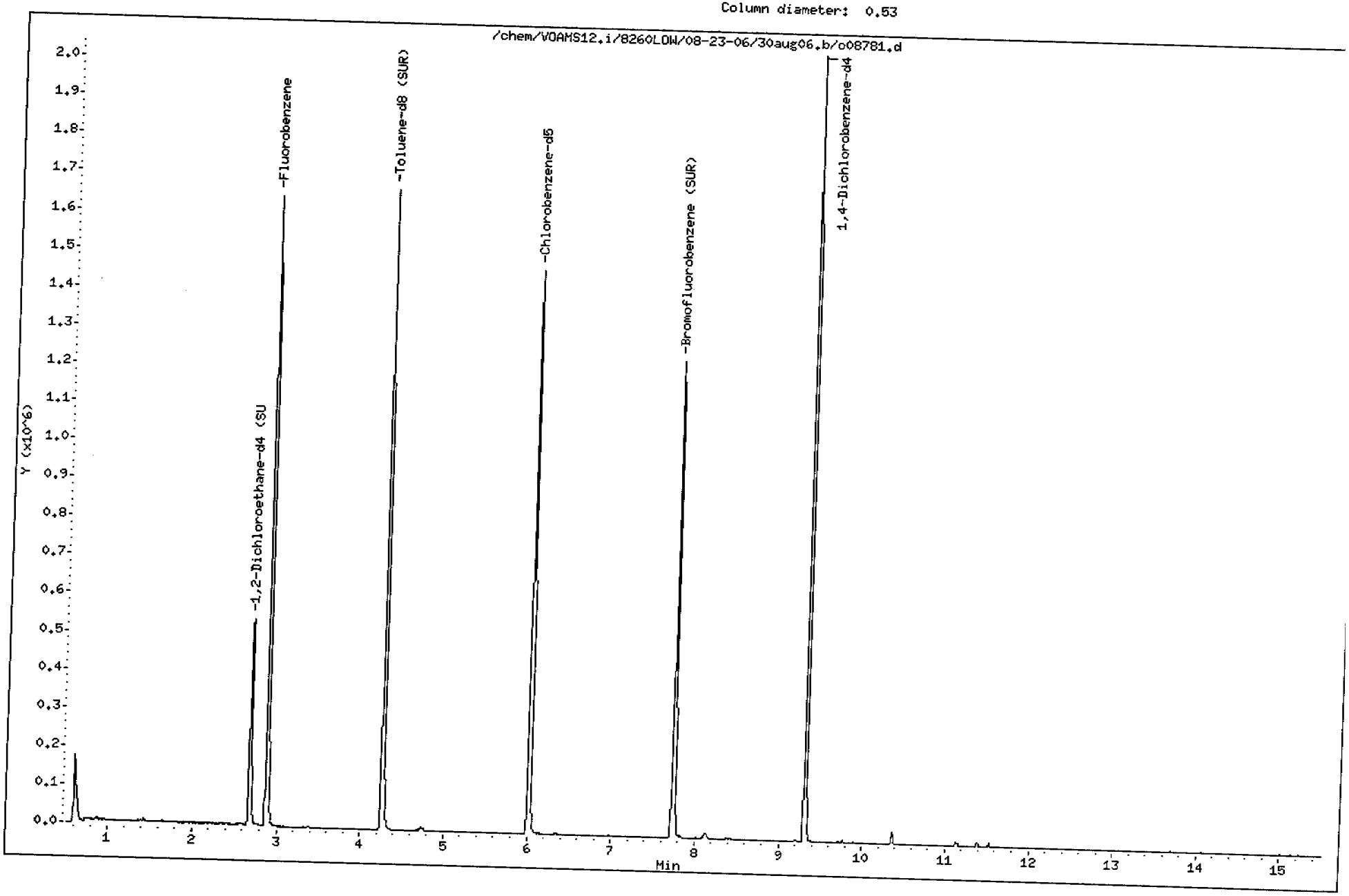
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.682	2.676	(0.930)	356211	47.1564	40
*	69 Fluorobenzene	96	2.883	2.883	(1.000)	1240070	50.0000	
$	37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	1032635	50.6148	44
*	32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	894179	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.830)	390267	54.0985	46
*	91 1,4-Dichlorobenzene-d4	152	9.315	9.315	(1.000)	499228	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08781.d
Date : 30-AUG-2006 18:16
Client ID: B903-SS01
Sample Info: 765418;;;6.55;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison
W345

Client ID: **B903-SS02**
Site: Sun Chemical SI

Lab Sample No: **765419**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08782.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.7
Acetone	ND	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.7
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B903-SS02**
Site: Sun Chemical SI

Lab Sample No: **765419**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08782.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 11.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08782.d
Report Date: 07-Sep-2006 10:19

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08782.d
Lab Smp Id: 765419 Client Smp ID: B903-SS02
Inj Date : 30-AUG-2006 18:39
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765419;;;6.15;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50 Compound Sublist: HSLVOAv+10.sub

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.15000	Weight of sample extracted (g)
M	11.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

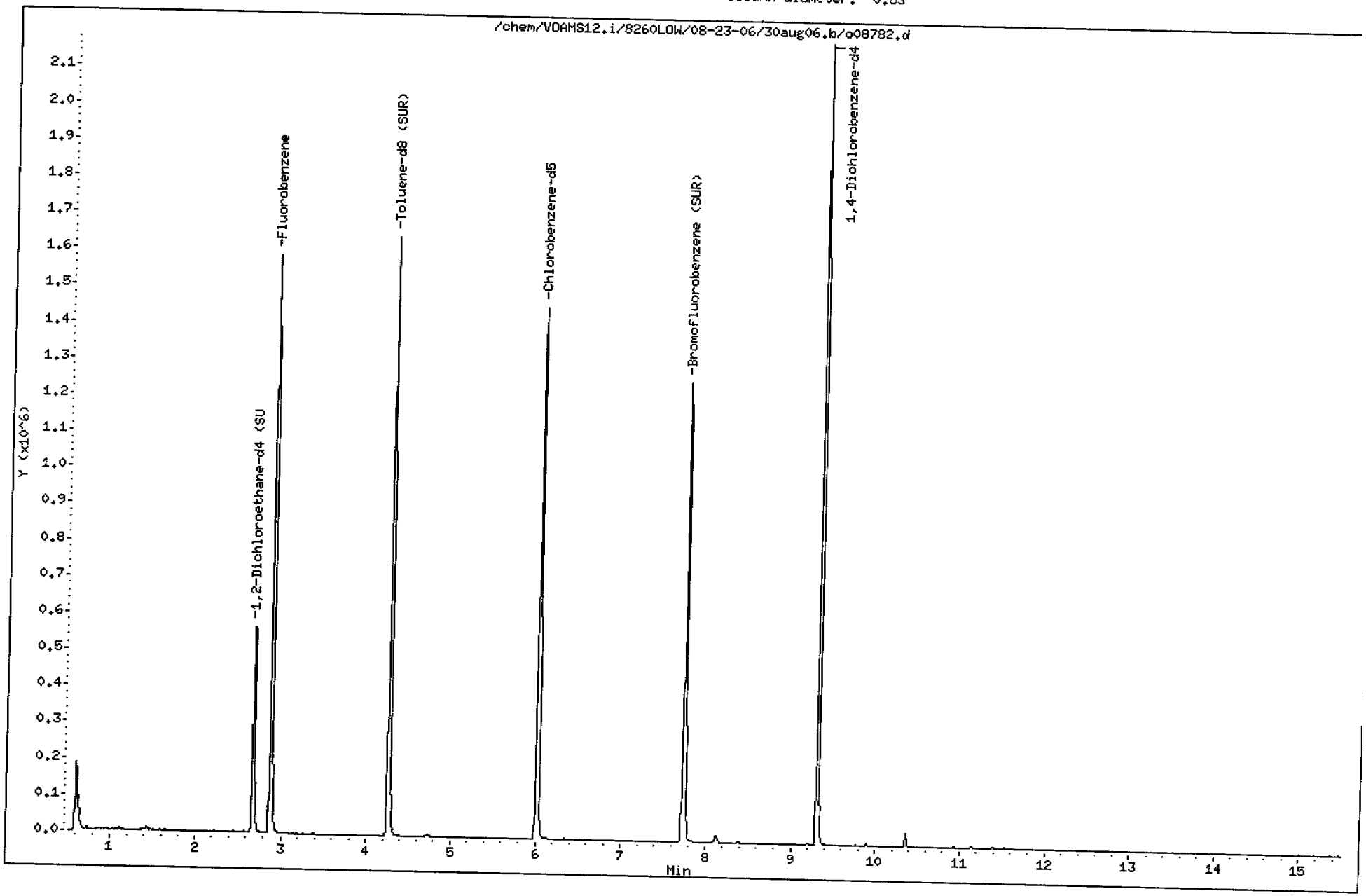
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	386484	52.5732	48
* 69 Fluorobenzene	96	2.883	2.883	(1.000)	1206830	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	988287	49.5095	45
* 32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	874882	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	394427	52.7521	48
* 91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	517428	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08782.d
Date : 30-AUG-2006 18:39
Client ID: B903-SS02
Sample Info: 765419;;;6.15;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison
W345

Client ID: **B902-SS01**
Site: Sun Chemical SI

Lab Sample No: **765420**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08783.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	21 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B902-SS01**
Site: Sun Chemical SI

Lab Sample No: **765420**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08783.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08783.d
Report Date: 07-Sep-2006 10:19

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08783.d
Lab Smp Id: 765420 Client Smp ID: B902-SS01
Inj Date : 30-AUG-2006 19:03
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765420;;;6.02;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50 Compound Sublist: HSLVOAv+10.sub

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.02000	Weight of sample extracted (g)
M	10.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

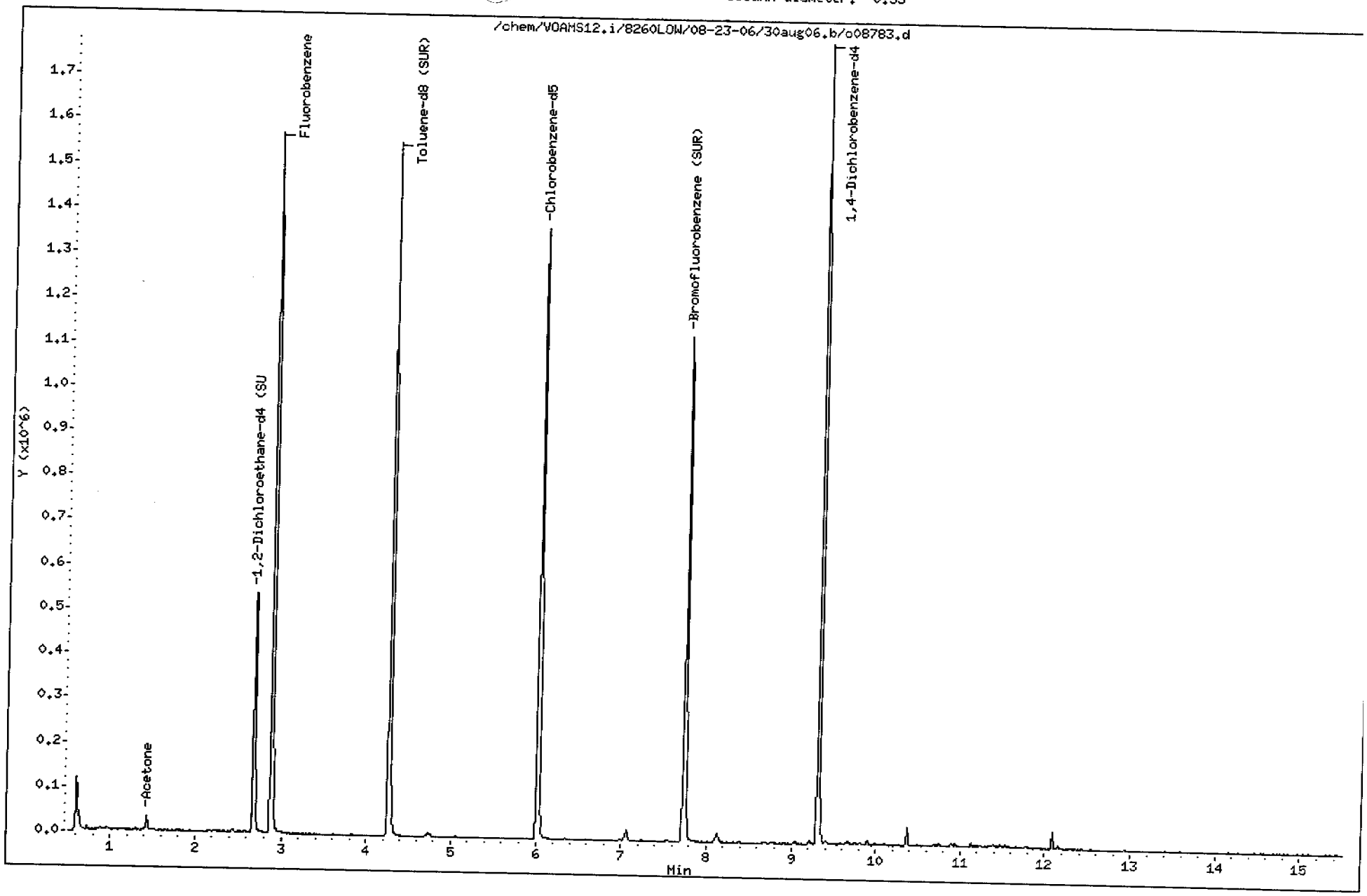
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	1.426	1.432	(0.495)	27434	22.9886	21
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.682	2.676	(0.930)	365297	51.4636	47
* 69 Fluorobenzene	96	2.883	2.883	(1.000)	1165267	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	923445	49.9880	46
* 32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	809655	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	352834	57.3072	53
* 91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	426073	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08783.d
Date : 30-AUG-2006 19:03
Client ID: B902-SS01
Sample Info: 765420;;;6.02;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison
W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08783.d

Date : 30-AUG-2006 19:03

Client ID: B902-SS01

Instrument: VOAMS12.i

Sample Info: 765420;;;6.02;5

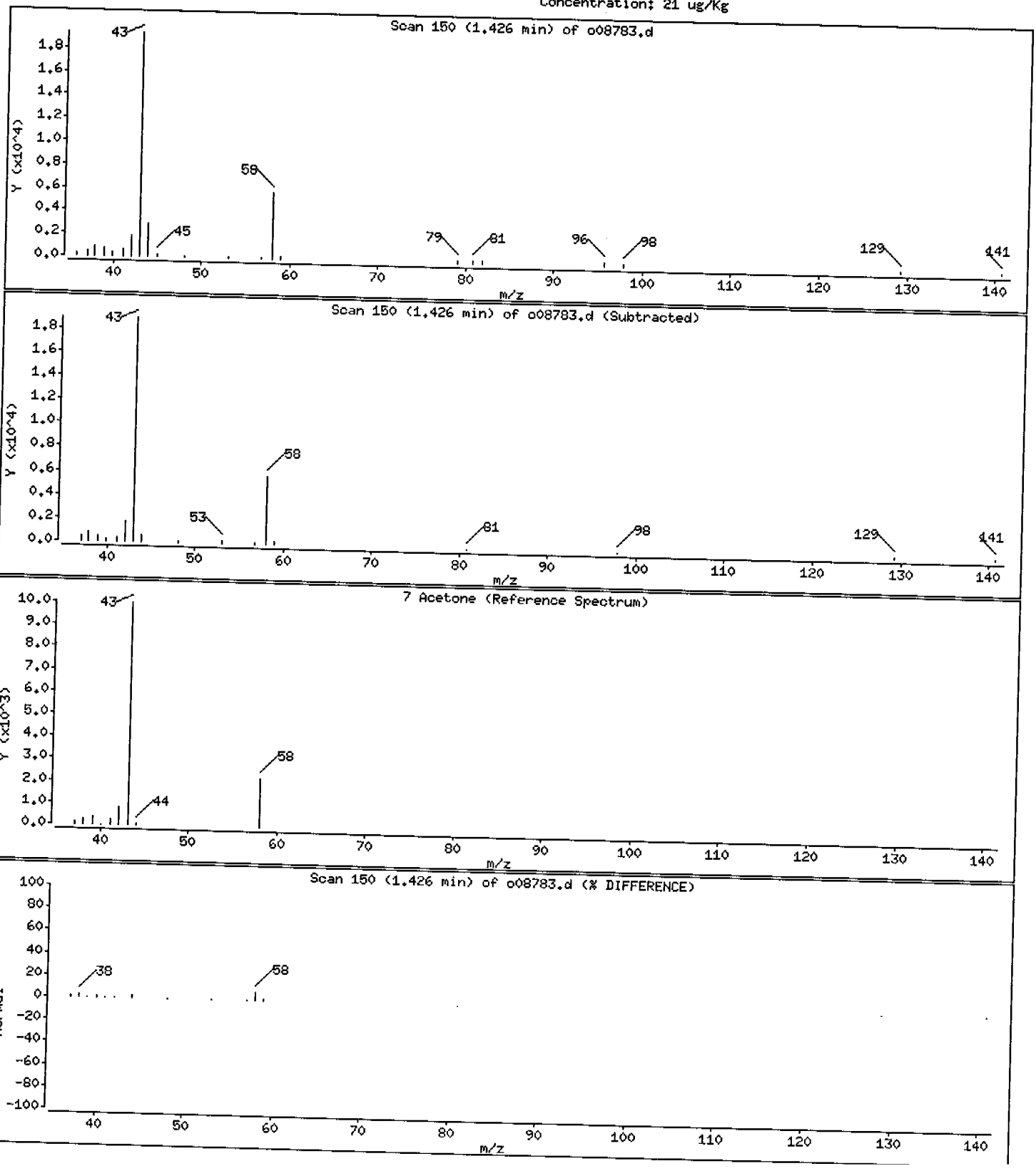
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 21 ug/Kg



Client ID: **B902-SS02**
Site: Sun Chemical SI

Lab Sample No: **765421**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08784.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.8
Bromomethane	ND	4.8
Vinyl Chloride	ND	4.8
Chloroethane	ND	4.8
Methylene Chloride	ND	2.9
Acetone	ND	4.8
Carbon Disulfide	ND	4.8
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
1,2-Dichloroethane	ND	1.9
2-Butanone	ND	4.8
1,1,1-Trichloroethane	ND	4.8
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.8
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.8
1,1,2-Trichloroethane	ND	2.9
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	4.8
Bromoform	ND	3.8
4-Methyl-2-Pentanone	ND	4.8
2-Hexanone	ND	4.8
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	4.8
Chlorobenzene	ND	4.8
Ethylbenzene	ND	3.8
Styrene	ND	4.8
Xylene (Total)	0.8J	4.8

Client ID: **B902-SS02**
Site: Sun Chemical SI

Lab Sample No: **765421**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08784.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 12.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Cyclohexane	2.16	5.9	
2.	Cyclohexane, methyl-	2.98	11	
3.	C8H18 Alkane	3.61	7.2	
4.	C9H20 Alkane	5.35	13	
5.	C9H20 Alkane	6.14	12	
6.	Unknown	6.89	7.4	
7.	C10H22 Alkane	7.06	38	
8.	C10H22 Alkane	8.16	16	
9.	C11H24 Alkane	8.68	8.6	
10.	C11H24 Alkane	9.75	10	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 129

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08784.d
Report Date: 07-Sep-2006 10:19

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08784.d
Lab Smp Id: 765421 Client Smp ID: B902-SS02
Inj Date : 30-AUG-2006 19:26
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765421;;;5.95;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50 Compound Sublist: HSLVOAv+10.sub

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.95000	Weight of sample extracted (g)
M	12.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.682	2.676	(0.930)	310258	49.4293	47
* 69 Fluorobenzene	96	2.883	2.883	(1.000)	1030429	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	882308	51.0176	49
* 32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	757976	50.0000	
43 m+p-Xylene	106	6.346	6.346	(1.055)	7851	0.76165	0.73(a)
$ 41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	290660	80.2629	77(R)
* 91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	250607	50.0000	
M 45 Xylene (Total)	100				7851	0.79486	0.76(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

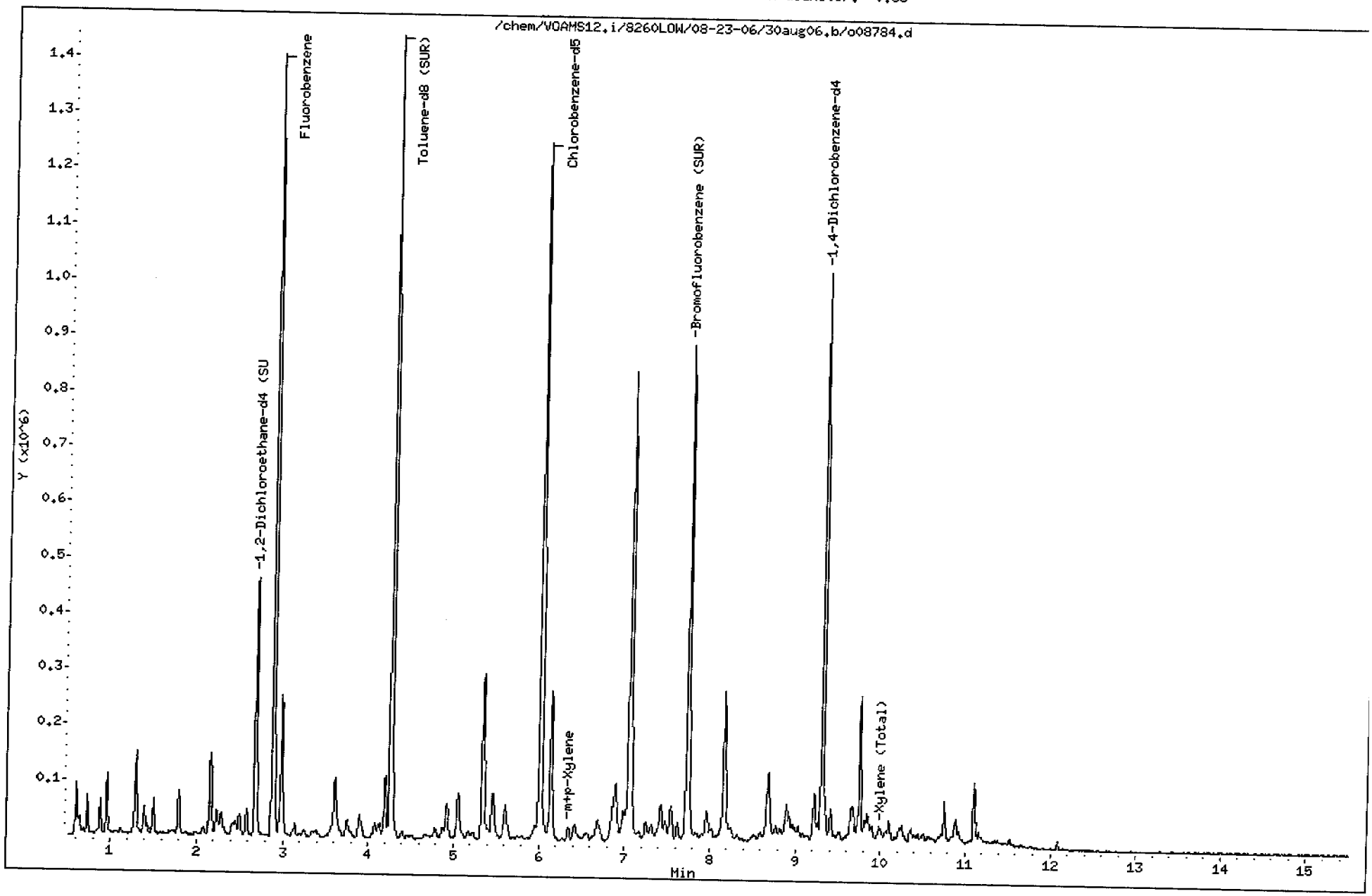
ISTD | Surrogate confirmed by RI.

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08784.d
Date : 30-AUG-2006 19:26
Client ID: B902-SS02
Sample Info: 765421;;;5.95;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08784.d

Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

Sample Info: 765421;;;5.95;5

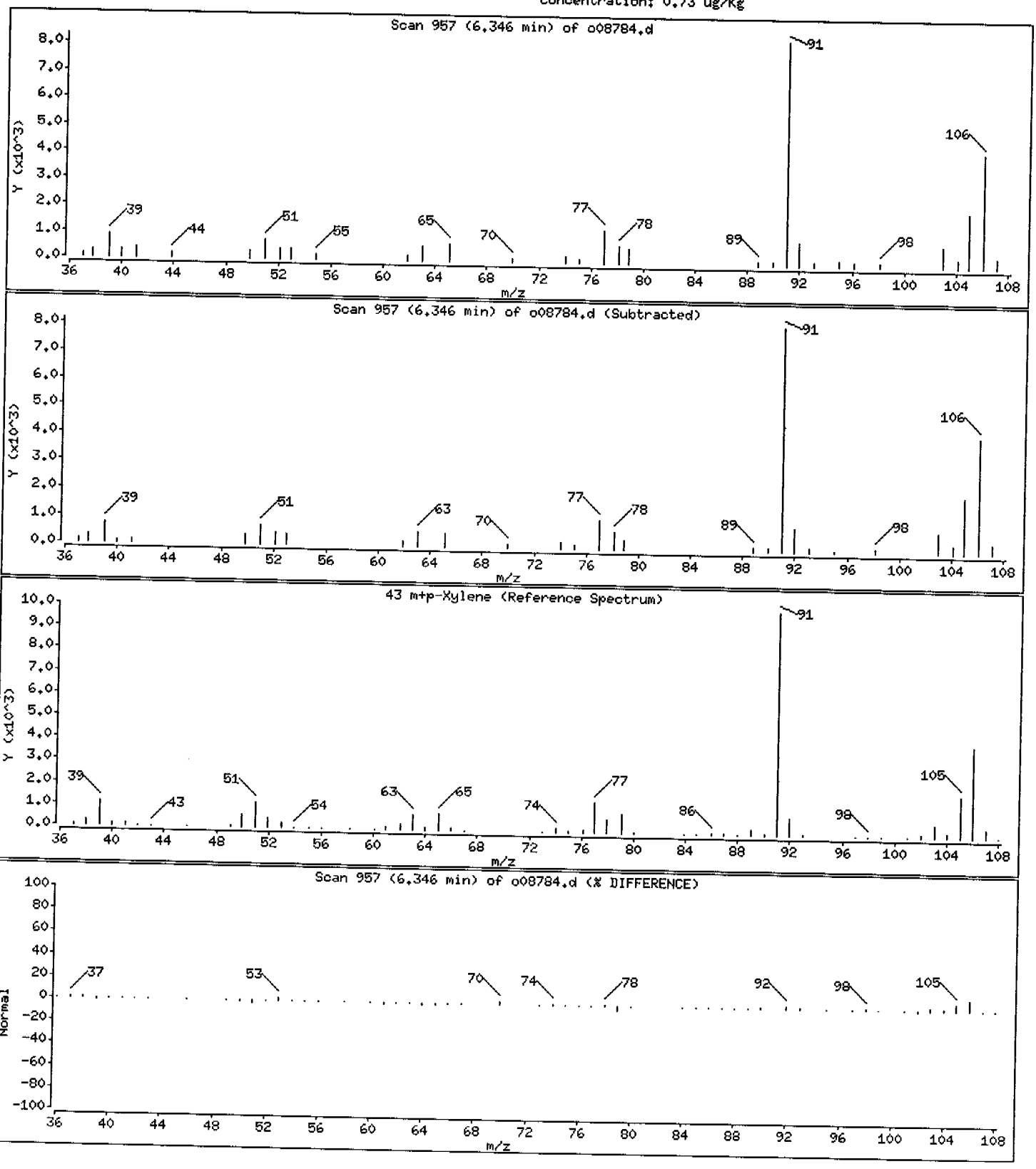
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

43 m+p-Xylene

Concentration: 0.73 ug/Kg



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Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

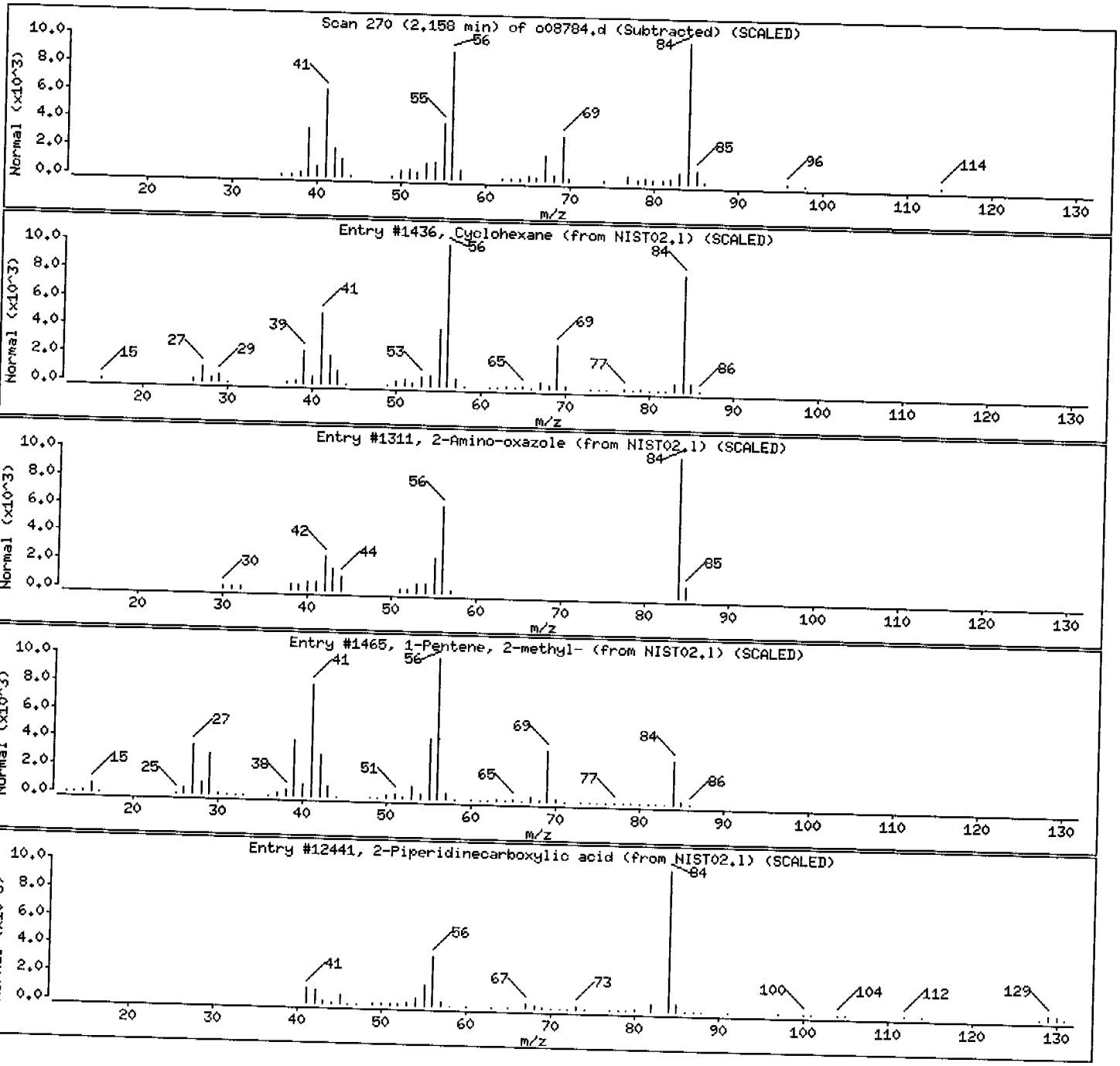
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane	110-82-7	NIST02.l	1436	91	C6H12	84
2-Amino-oxazole	4570-45-0	NIST02.l	1311	86	C3H4N2O	84
1-Pentene, 2-methyl-	763-29-1	NIST02.l	1465	86	C6H12	84
2-Piperidinecarboxylic acid	535-75-1	NIST02.l	12441	64	C6H11NO2	129



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Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

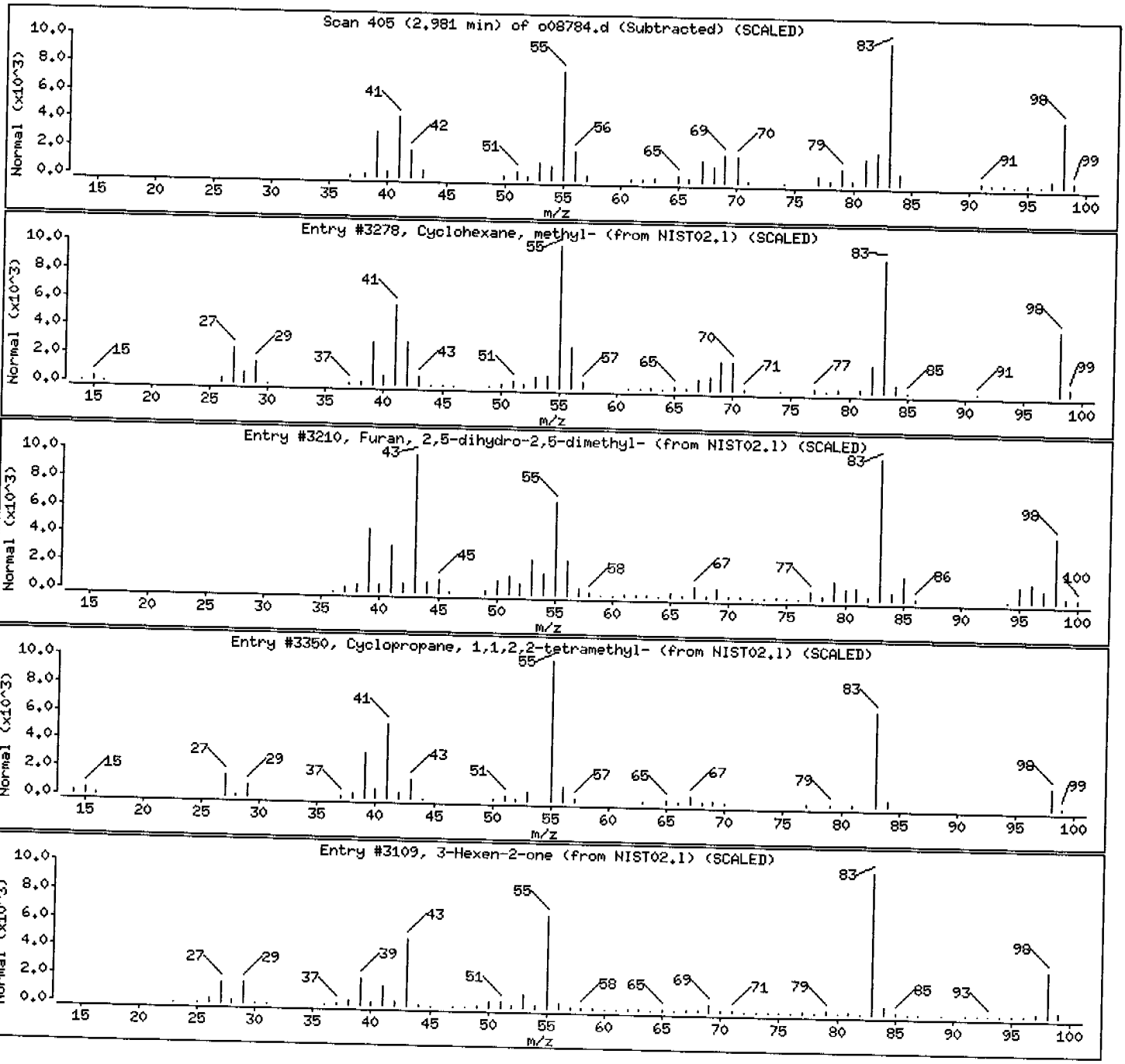
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane, methyl-	108-87-2	NIST02.l	3278	93	C7H14	98
Furan, 2,5-dihydro-2,5-dimethyl-	59242-27-2	NIST02.l	3210	72	C6H10O	98
Cyclopropane, 1,1,2,2-tetramethyl-	4127-47-3	NIST02.l	3350	64	C7H14	98
3-Hexen-2-one	763-93-9	NIST02.l	3109	64	C6H10O	98



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Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

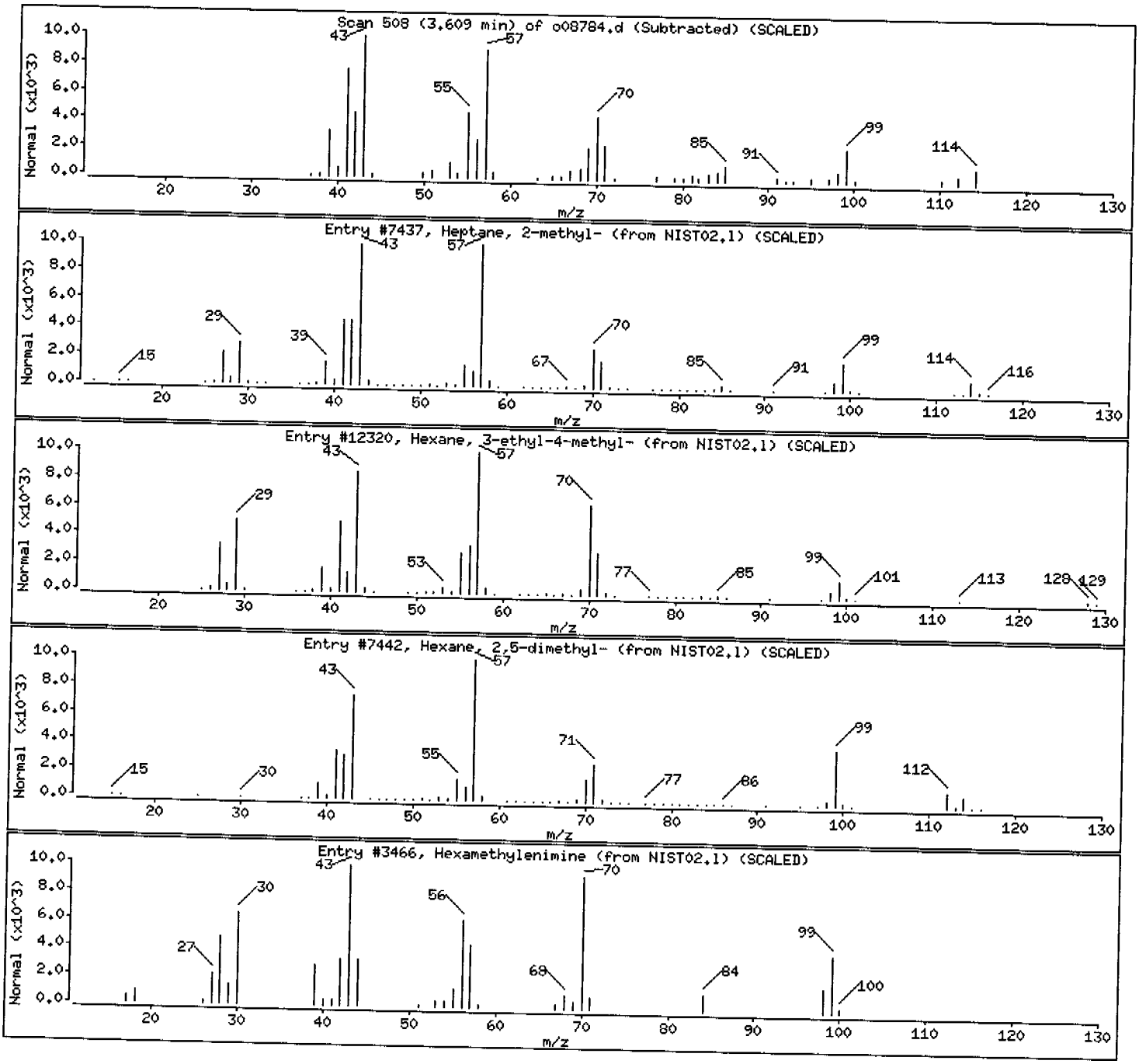
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C8H18 Alkane						
Heptane, 2-methyl-	592-27-8	NIST02.l	7437	68	C8H18	114
Hexane, 3-ethyl-4-methyl-	3074-77-9	NIST02.l	12320	50	C9H20	128
Hexane, 2,5-dimethyl-	592-13-2	NIST02.l	7442	50	C8H18	114
Hexamethylenimine	111-49-9	NIST02.l	3466	46	C6H13N	99



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Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

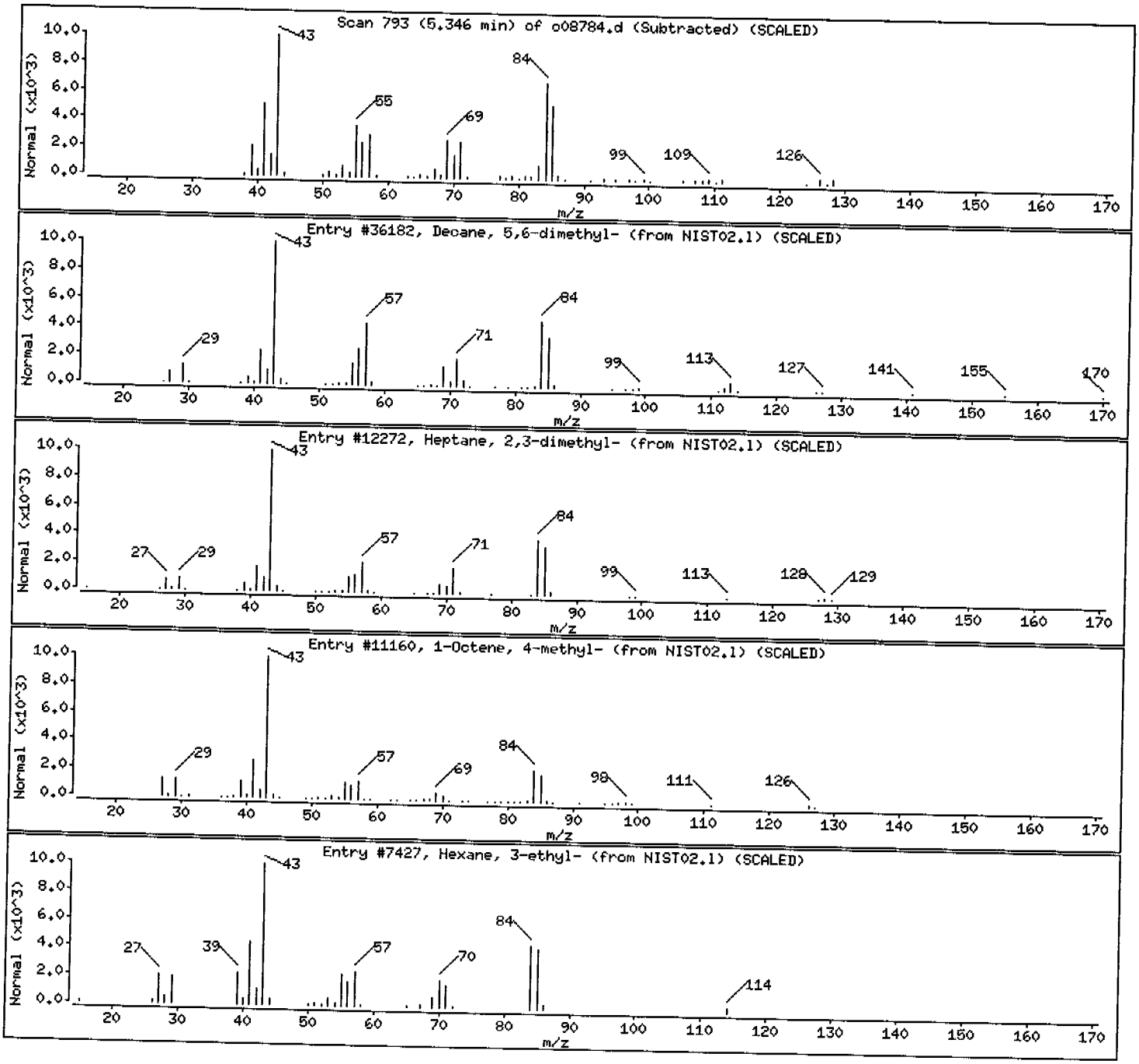
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H20 Alkane						
Decane, 5,6-dimethyl-	1636-43-7	NIST02.l	36182	72	C12H26	170
Heptane, 2,3-dimethyl-	3074-71-3	NIST02.l	12272	64	C9H20	128
1-Octene, 4-methyl-	13151-12-7	NIST02.l	11160	58	C9H18	126
Hexane, 3-ethyl-	619-99-8	NIST02.l	7427	56	C8H18	114



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Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

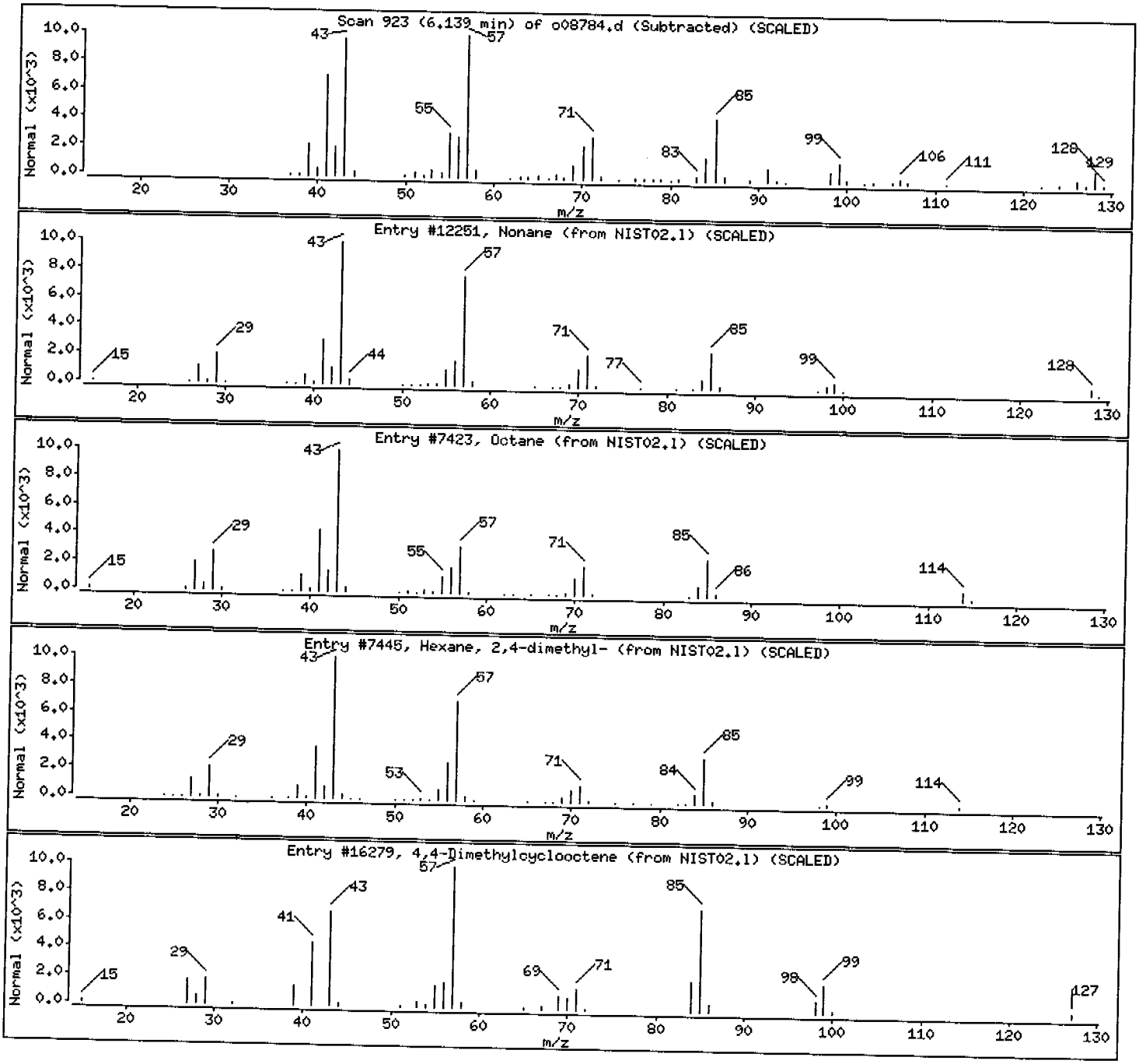
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H20 Alkane						
Nonane	111-84-2	NIST02.1	12251	94	C9H20	128
Octane	111-65-9	NIST02.1	7423	59	C8H18	114
Hexane, 2,4-dimethyl-	589-43-5	NIST02.1	7445	50	C8H18	114
4,4-Dimethylcyclooctene	1000113-56-7	NIST02.1	16279	47	C10H18	138



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Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

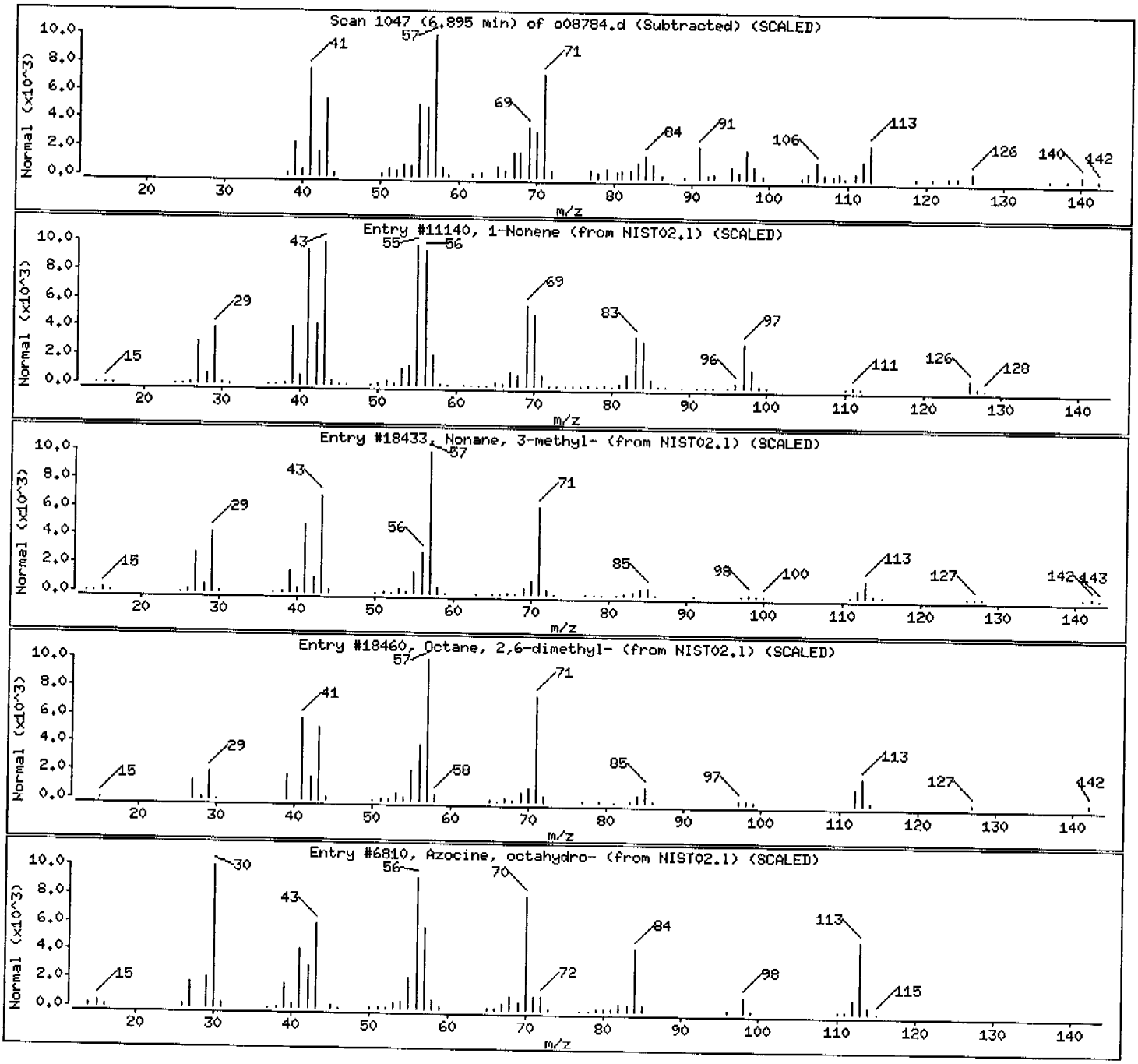
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Nonene	124-11-8	NIST02.l	11140	53	C9H18	126
Nonane, 3-methyl-	5911-04-6	NIST02.l	18433	49	C10H22	142
Octane, 2,6-dimethyl-	2051-30-1	NIST02.l	18460	49	C10H22	142
Azocine, octahydro-	1121-92-2	NIST02.l	6810	43	C7H15N	113



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Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

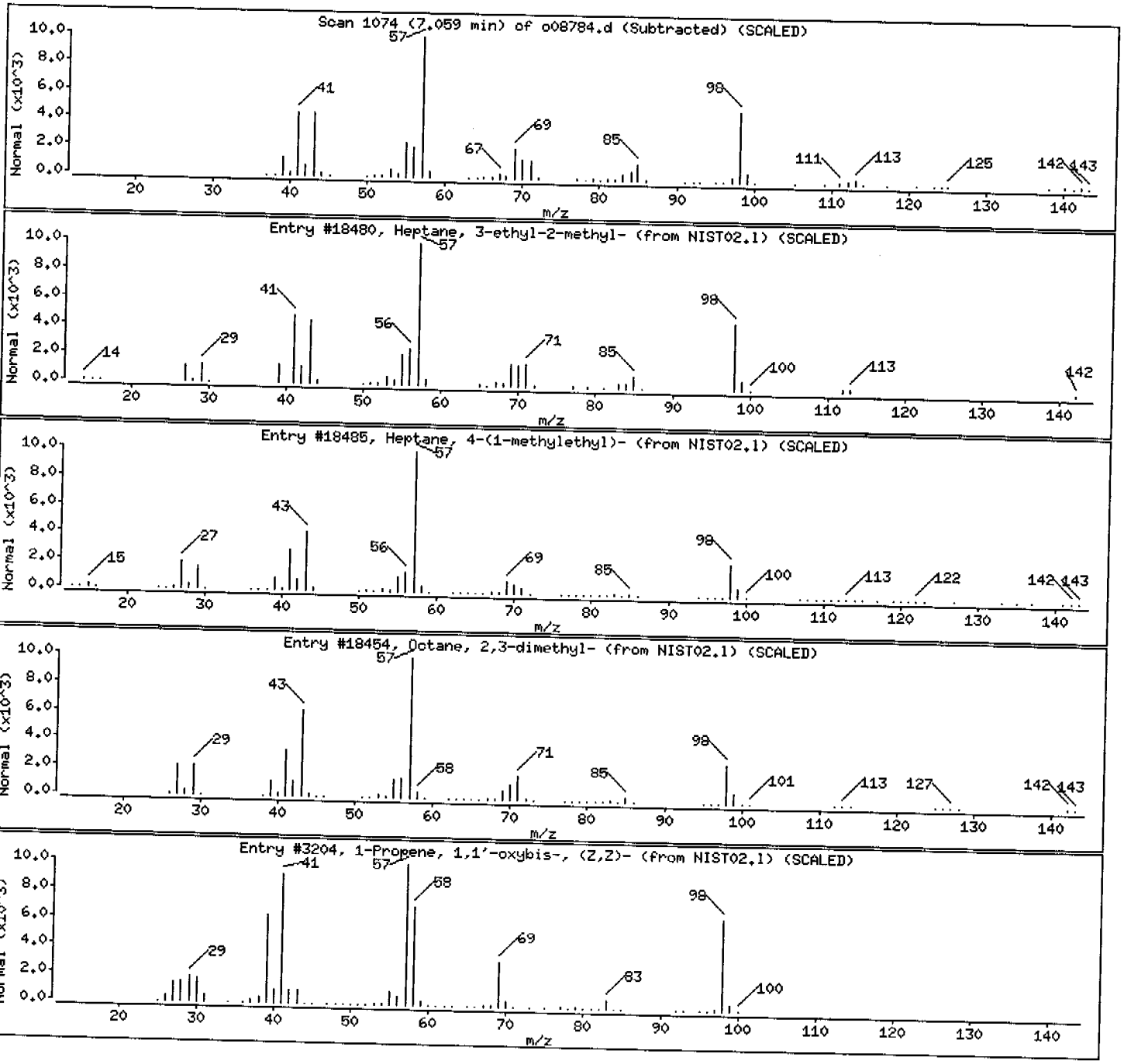
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane						
Heptane, 3-ethyl-2-methyl-	14676-29-0	NIST02.l	18480	81	C10H22	142
Heptane, 4-(1-methylethyl)-	52896-87-4	NIST02.l	18485	50	C10H22	142
Octane, 2,3-dimethyl-	7146-60-3	NIST02.l	18454	49	C10H22	142
1-Propene, 1,1'-oxybis-, (Z,Z)-	4696-27-9	NIST02.l	3204	47	C6H10O	98



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08784.d

Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

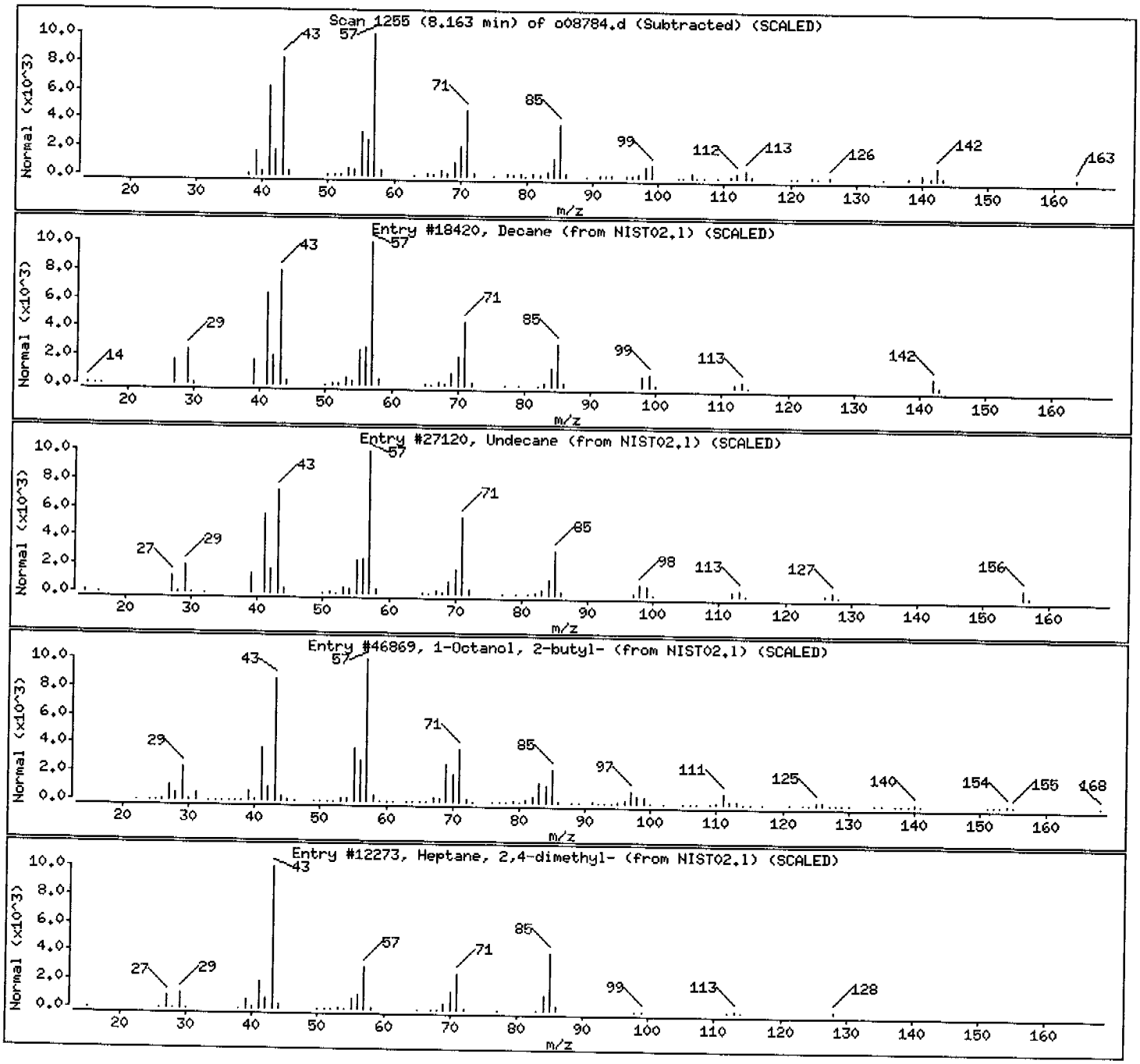
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane						
Decane	124-18-5	NIST02.l	18420	96	C10H22	142
Undecane	1120-21-4	NIST02.l	27120	90	C11H24	156
1-Octanol, 2-butyl-	3913-02-8	NIST02.l	46869	78	C12H26O	186
Heptane, 2,4-dimethyl-	2213-23-2	NIST02.l	12273	72	C9H20	128



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08784.d

Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

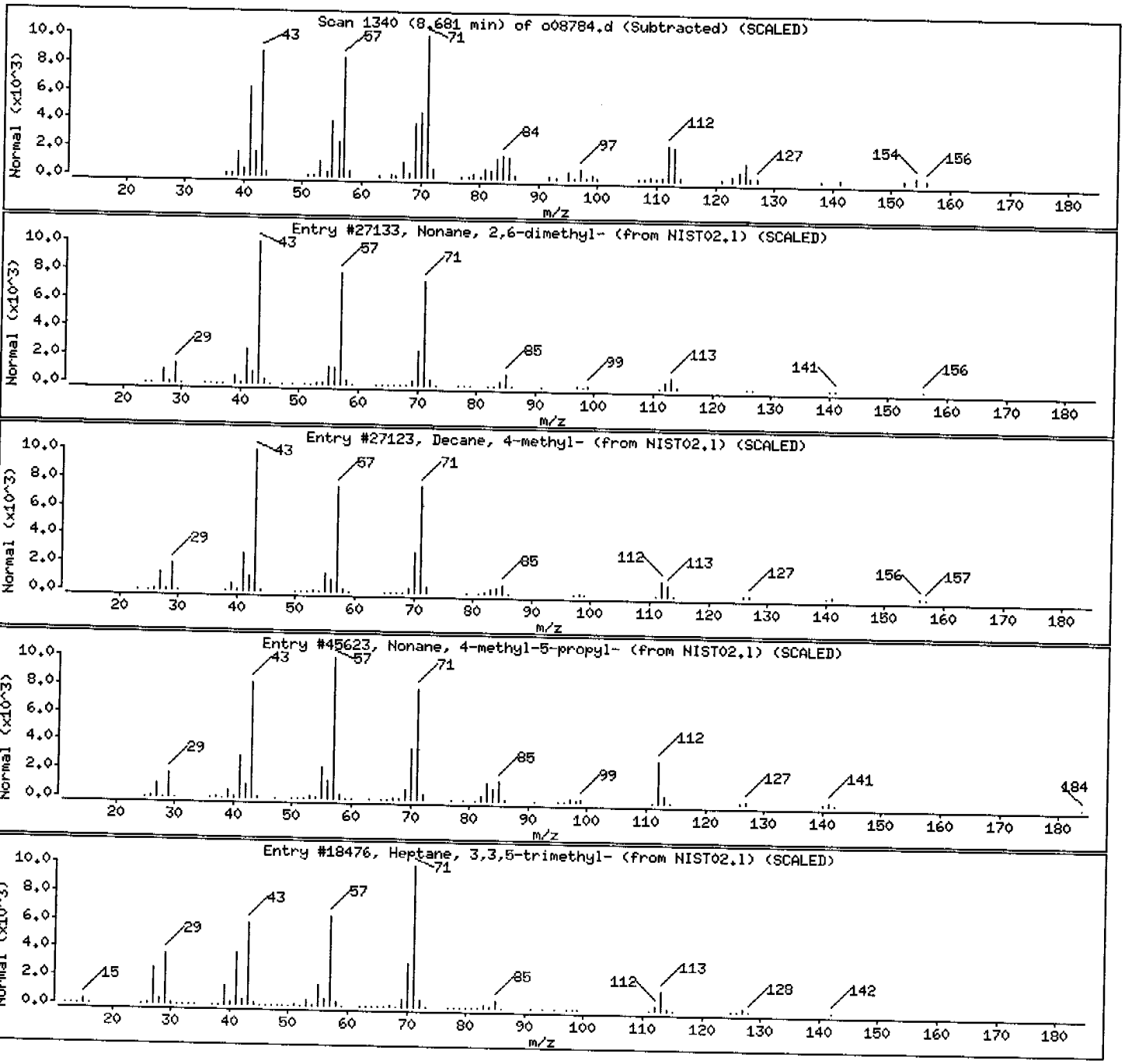
Sample Info: 765421:::5.95:5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Nonane, 2,6-dimethyl-	17302-28-2	NIST02.l	27133	80	C11H24	156
Decane, 4-methyl-	2847-72-5	NIST02.l	27123	64	C11H24	156
Nonane, 4-methyl-5-propyl-	62185-55-1	NIST02.l	45623	64	C13H28	184
Heptane, 3,3,5-trimethyl-	7154-80-5	NIST02.l	18476	53	C10H22	142



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08784.d

Date : 30-AUG-2006 19:26

Client ID: B902-SS02

Instrument: VOAMS12.i

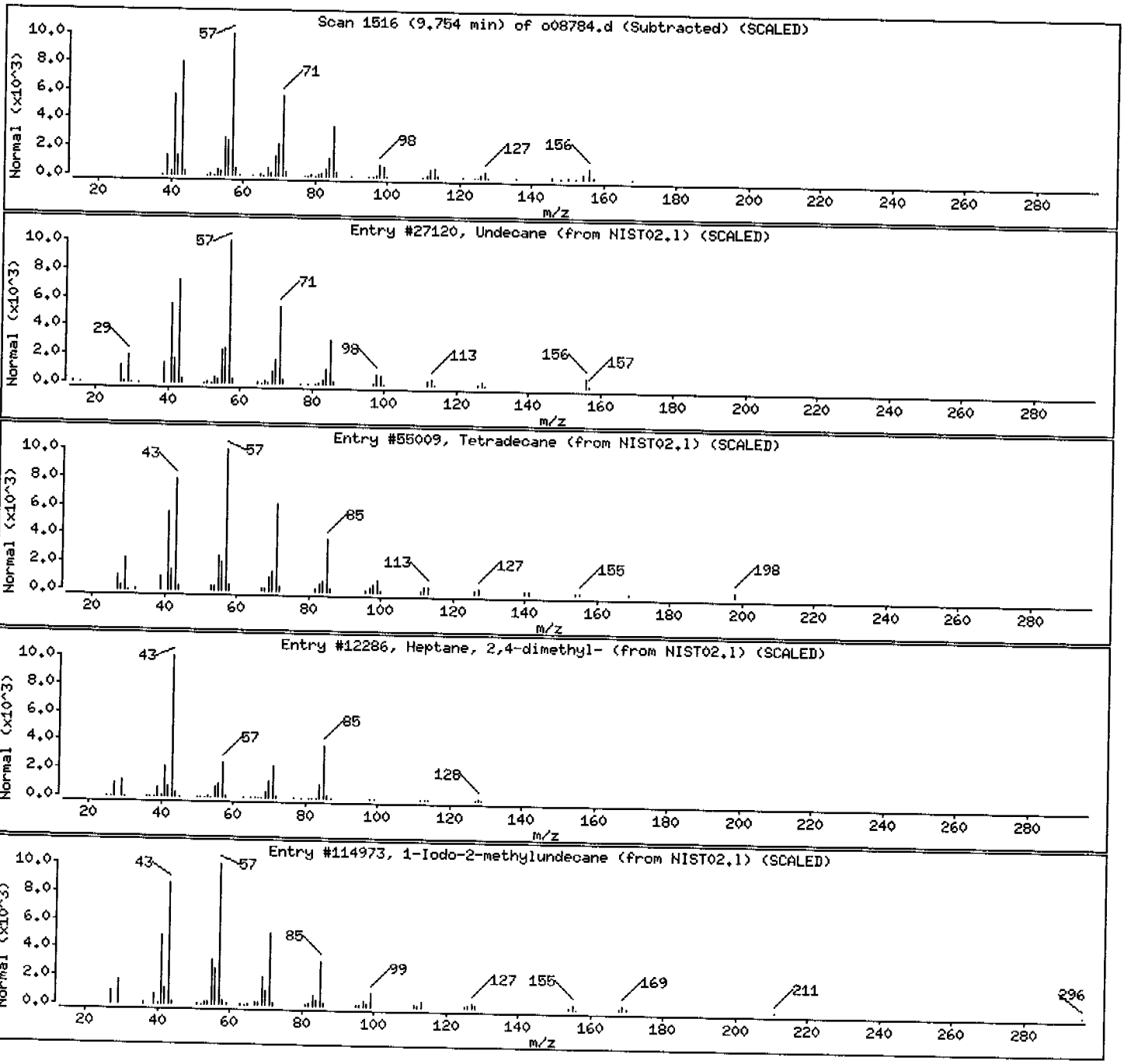
Sample Info: 765421;;;5.95;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Undecane	1120-21-4	NIST02.l	27120	94	C11H24	156
Tetradecane	629-59-4	NIST02.l	55009	80	C14H30	198
Heptane, 2,4-dimethyl-	2213-23-2	NIST02.l	12286	72	C9H20	128
1-Iodo-2-methylundecane	73105-67-6	NIST02.l	114973	64	C12H25I	296



Client ID: **B905-SS01**
Site: Sun Chemical SI

Lab Sample No: **765422**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08785.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.8
Bromomethane	ND	4.8
Vinyl Chloride	ND	4.8
Chloroethane	ND	4.8
Methylene Chloride	ND	2.9
Acetone	40 B	4.8
Carbon Disulfide	0.6J	4.8
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
1,2-Dichloroethane	ND	1.9
2-Butanone	ND	4.8
1,1,1-Trichloroethane	ND	4.8
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.8
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.8
1,1,2-Trichloroethane	ND	2.9
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	4.8
Bromoform	ND	3.8
4-Methyl-2-Pentanone	ND	4.8
2-Hexanone	ND	4.8
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	4.8
Chlorobenzene	ND	4.8
Ethylbenzene	ND	3.8
Styrene	ND	4.8
Xylene (Total)	ND	4.8

Client ID: **B905-SS01**
Site: Sun Chemical SI

Lab Sample No: **765422**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08785.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 10.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08785.d
Report Date: 07-Sep-2006 10:19

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08785.d
Lab Smp Id: 765422 Client Smp ID: B905-SS01
Inj Date : 30-AUG-2006 19:49
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765422;;;5.82;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

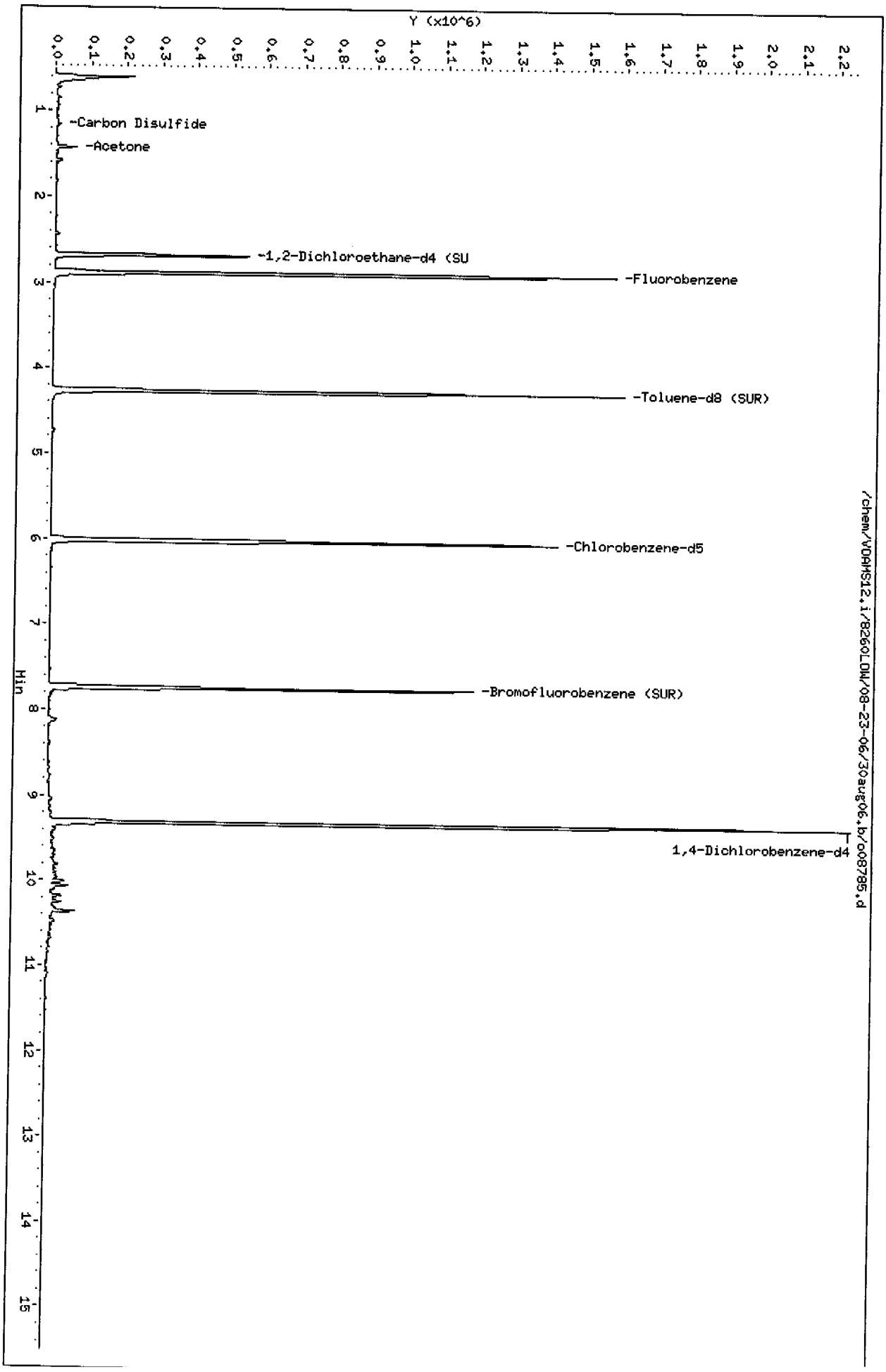
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.82000	Weight of sample extracted (g)
M	10.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	1.426	1.432	(0.495)	51004	41.1283	40
8 Carbon Disulfide	76	1.158	1.158	(0.402)	11907	0.65592	0.63(a)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	372585	50.5118	49
* 69 Fluorobenzene	96	2.883	2.883	(1.000)	1210911	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	946742	48.8992	47
* 32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	848564	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	374676	49.0401	47
* 91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	528722	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/c08785.d
Date : 30-AUG-2006 19:49
Client ID: B905-SS01
Sample Info: 765422;;;5,82;5
Column phase: DB624
Instrument: VOAMS12.i
Operator: VOAMS 9
Column diameter: 0.53
Y (x10^6)
Min
-Carbon Disulfide
-Acetone
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/c08785.d

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08785.d

Date : 30-AUG-2006 19:49

Client ID: B905-SS01

Instrument: VOAMS12.i

Sample Info: 765422;;;5.82;5

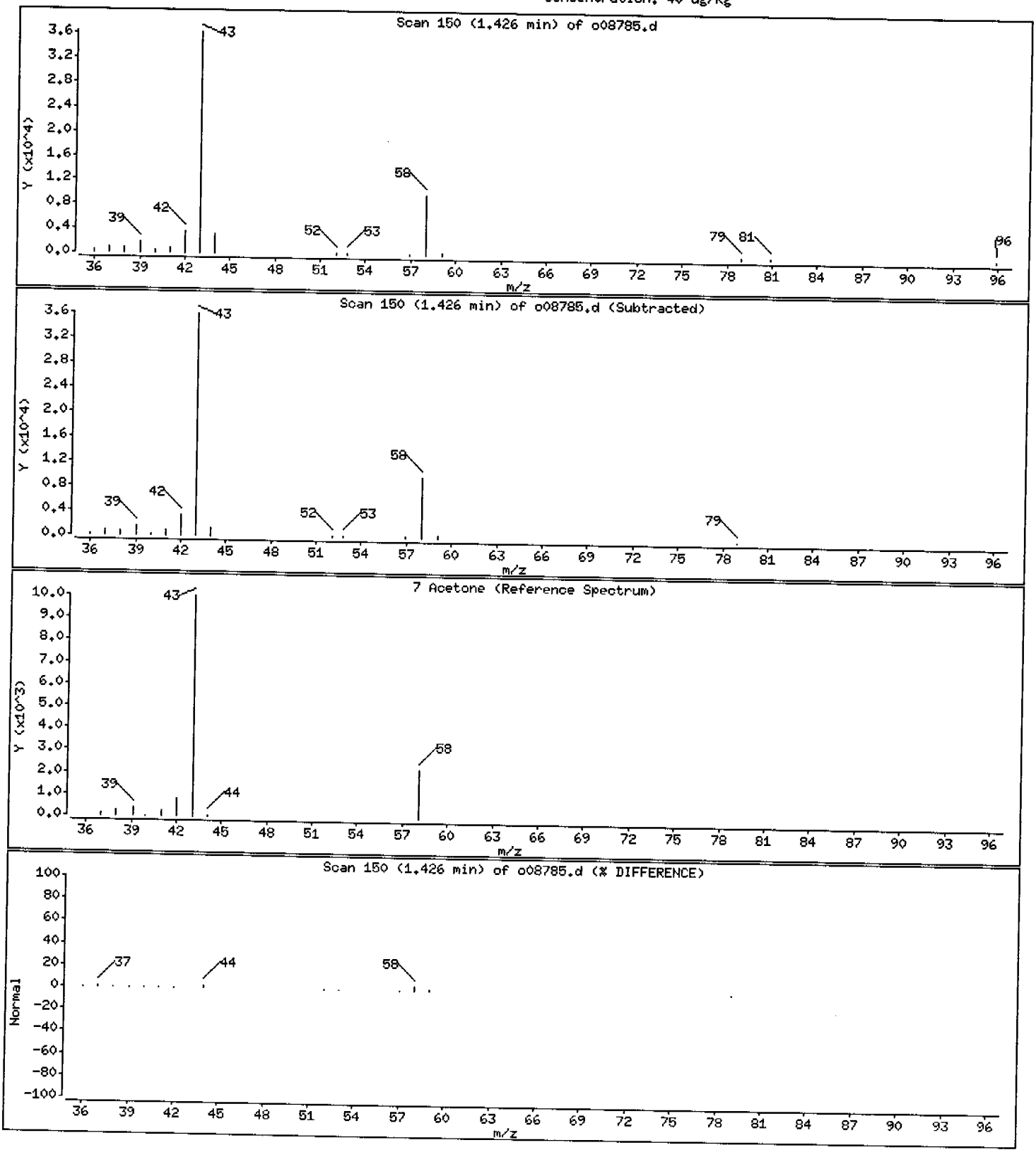
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 40 ug/Kg



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08785.d

Date : 30-AUG-2006 19:49

Client ID: B905-SS01

Instrument: VOAMS12.i

Sample Info: 765422;;;5.82;5

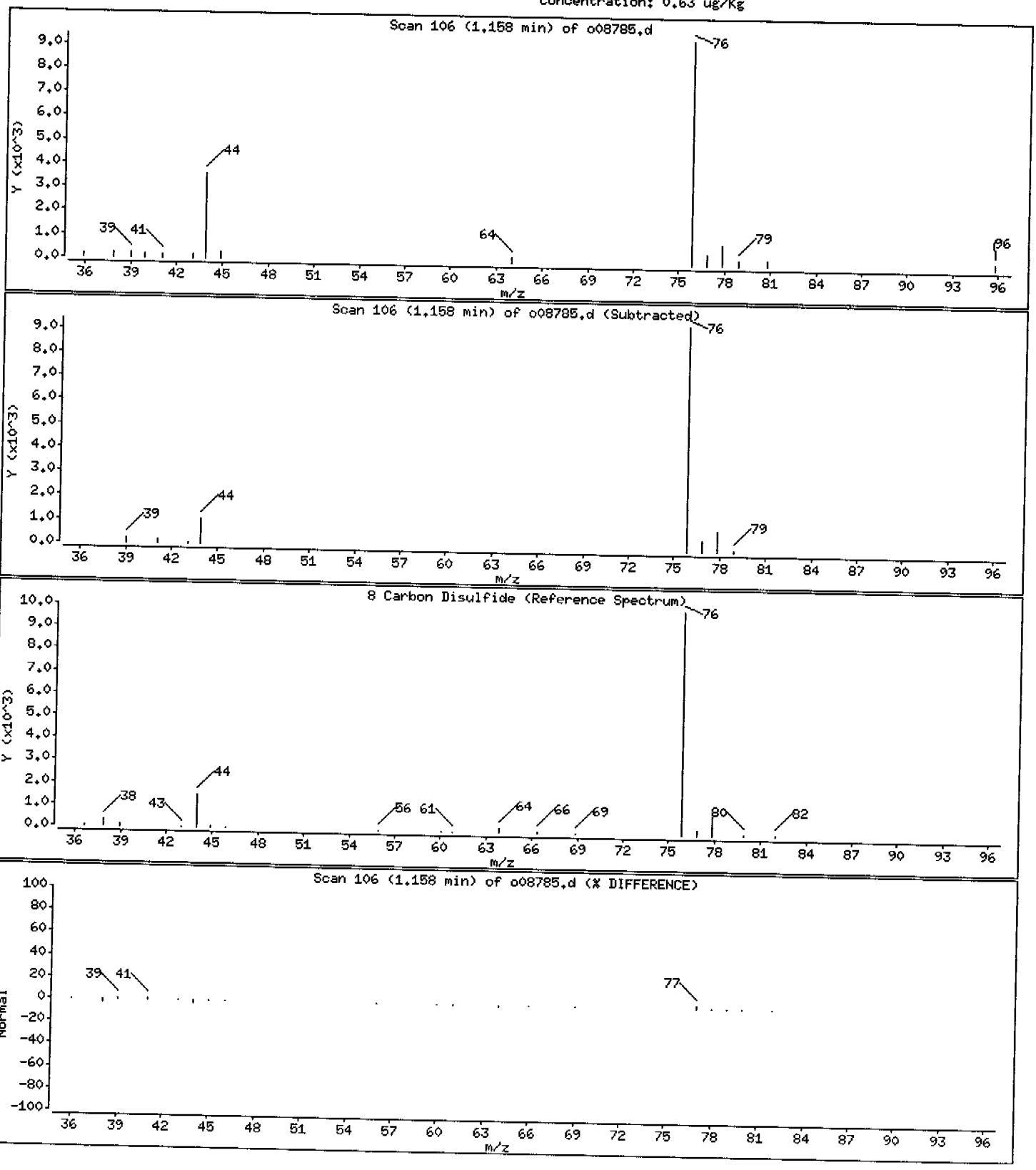
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

8 Carbon Disulfide

Concentration: 0.63 ug/Kg



Client ID: **B905-SS02**
Site: Sun Chemical SI

Lab Sample No: **765423**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08786.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	22 B	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **B905-SS02**
Site: Sun Chemical SI

Lab Sample No: **765423**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08786.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 12.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08786.d
Report Date: 07-Sep-2006 10:20

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08786.d
Lab Smp Id: 765423 Client Smp ID: B905-SS02
Inj Date : 30-AUG-2006 20:12
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765423;;;5.68;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50 Compound Sublist: HSLVOAv+10.sub

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.68000	Weight of sample extracted (g)
M	12.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

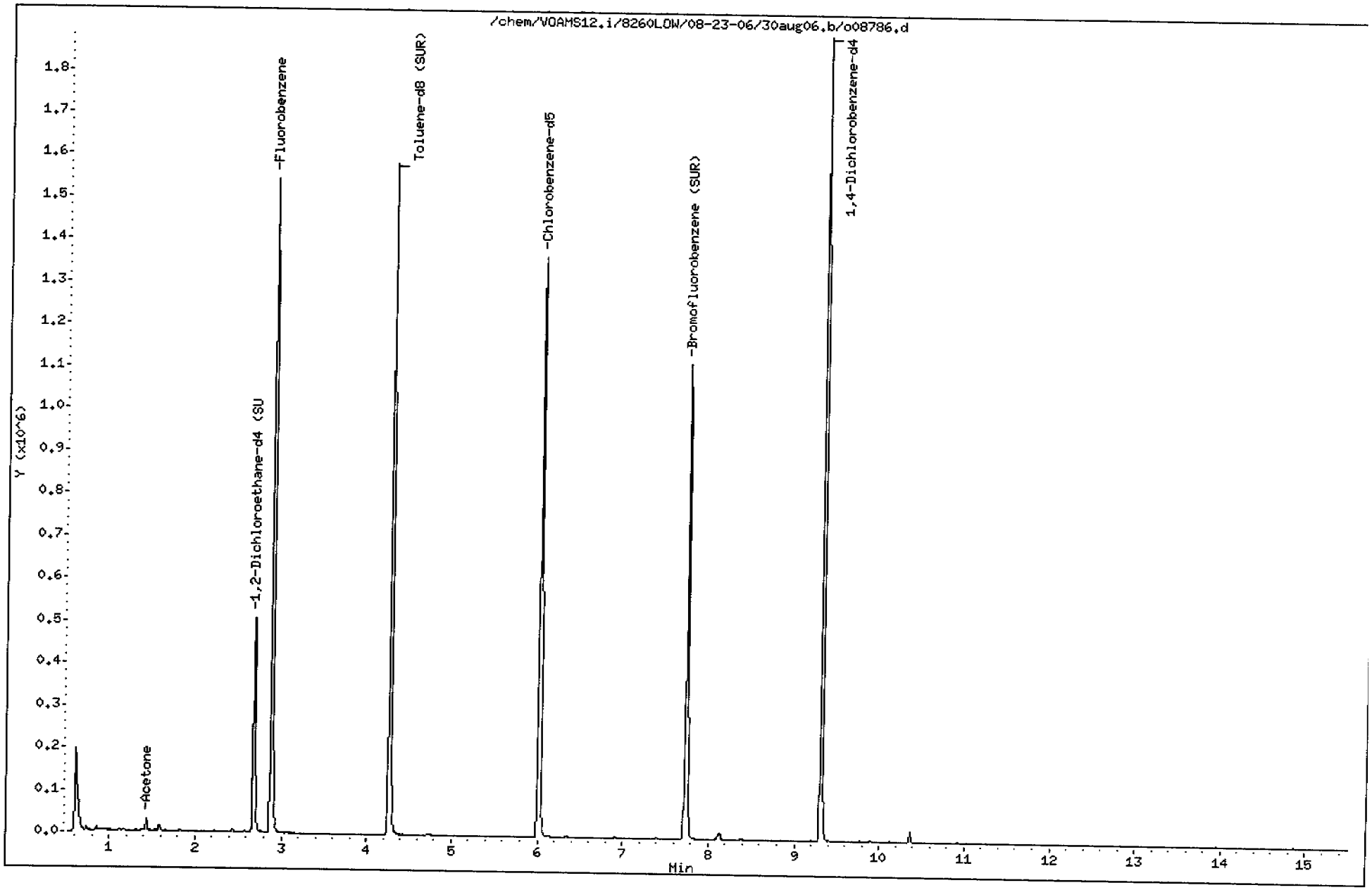
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	1.426	1.432	(0.495)	26775	22.4528	22
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.682	2.676	(0.930)	347295	48.9632	49
* 69 Fluorobenzene	96	2.883	2.883	(1.000)	1164415	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	929793	49.9131	50
* 32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	816444	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	343169	53.4766	54
* 91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	444086	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08786.d
Date : 30-AUG-2006 20:12
Client ID: B905-SS02
Sample Info: 765423:::5.68:5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison
W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08786.d

Date : 30-AUG-2006 20:12

Client ID: B905-SS02

Instrument: VOAMS12.i

Sample Info: 765423;;;5.68;5

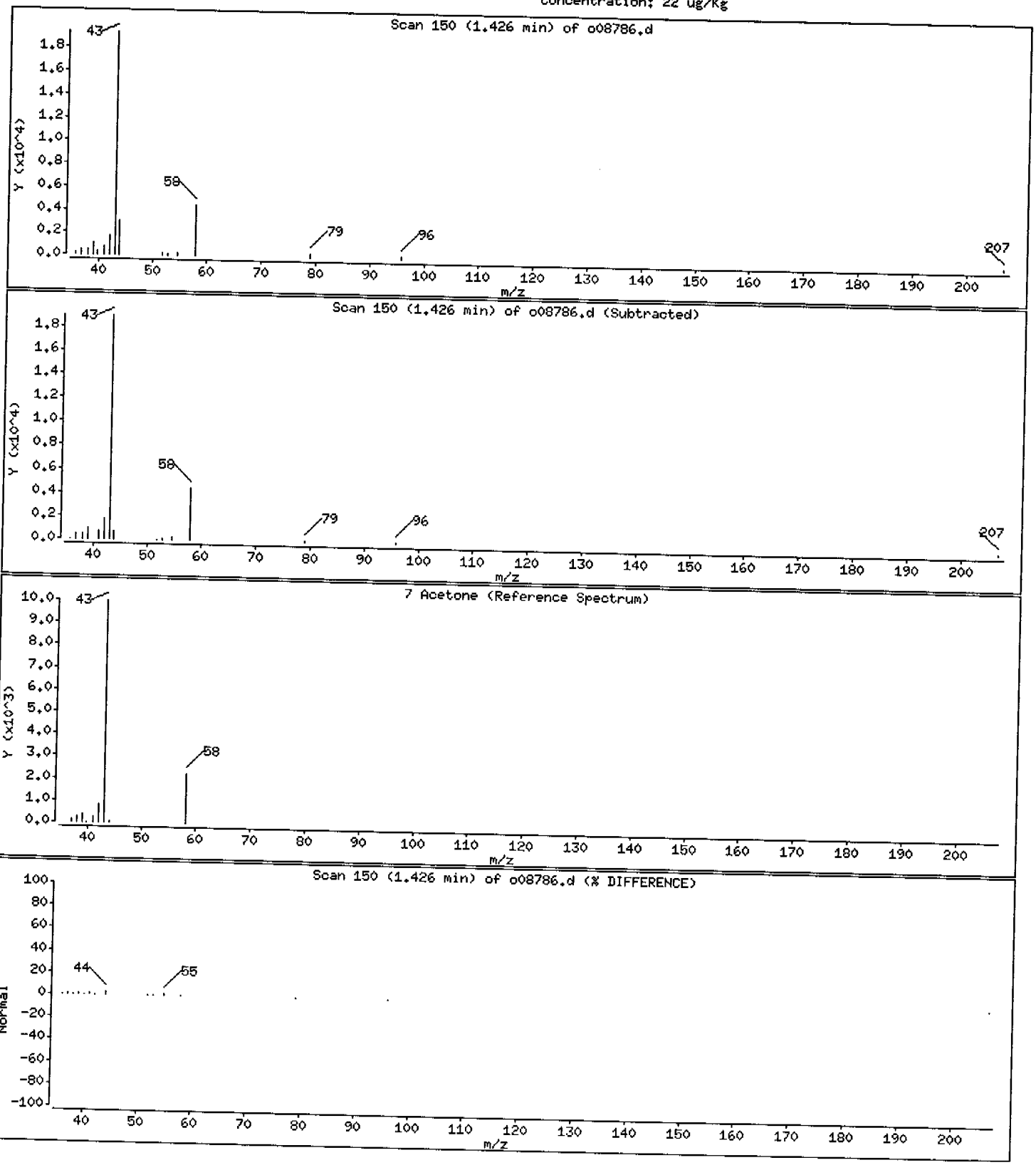
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 22 ug/Kg



Client ID: **B901-SS01**
Site: Sun Chemical SI

Lab Sample No: **765424**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08787.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 9

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	19 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	0.8J	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B901-SS01**
Site: Sun Chemical SI

Lab Sample No: **765424**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08787.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.0 g
Purge Volume: 5.0 ml
% Moisture: 9.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08787.d
Report Date: 07-Sep-2006 10:20

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08787.d
Lab Smp Id: 765424 Client Smp ID: B901-SS01
Inj Date : 30-AUG-2006 20:35
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765424;;;5.97;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.97000	Weight of sample extracted (g)
M	9.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.426	1.432	(0.495)	24192	20.6592	19
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	366176	52.5729	48
	28 Benzene	78	2.578	2.578	(0.894)	19782	0.92122	0.85(a)
*	69 Fluorobenzene	96	2.883	2.883	(1.000)	1143423	50.0000	
$	37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	897400	49.6323	46
*	32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	792458	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	340129	52.0932	48
*	91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	451841	50.0000	

QC Flag Legend

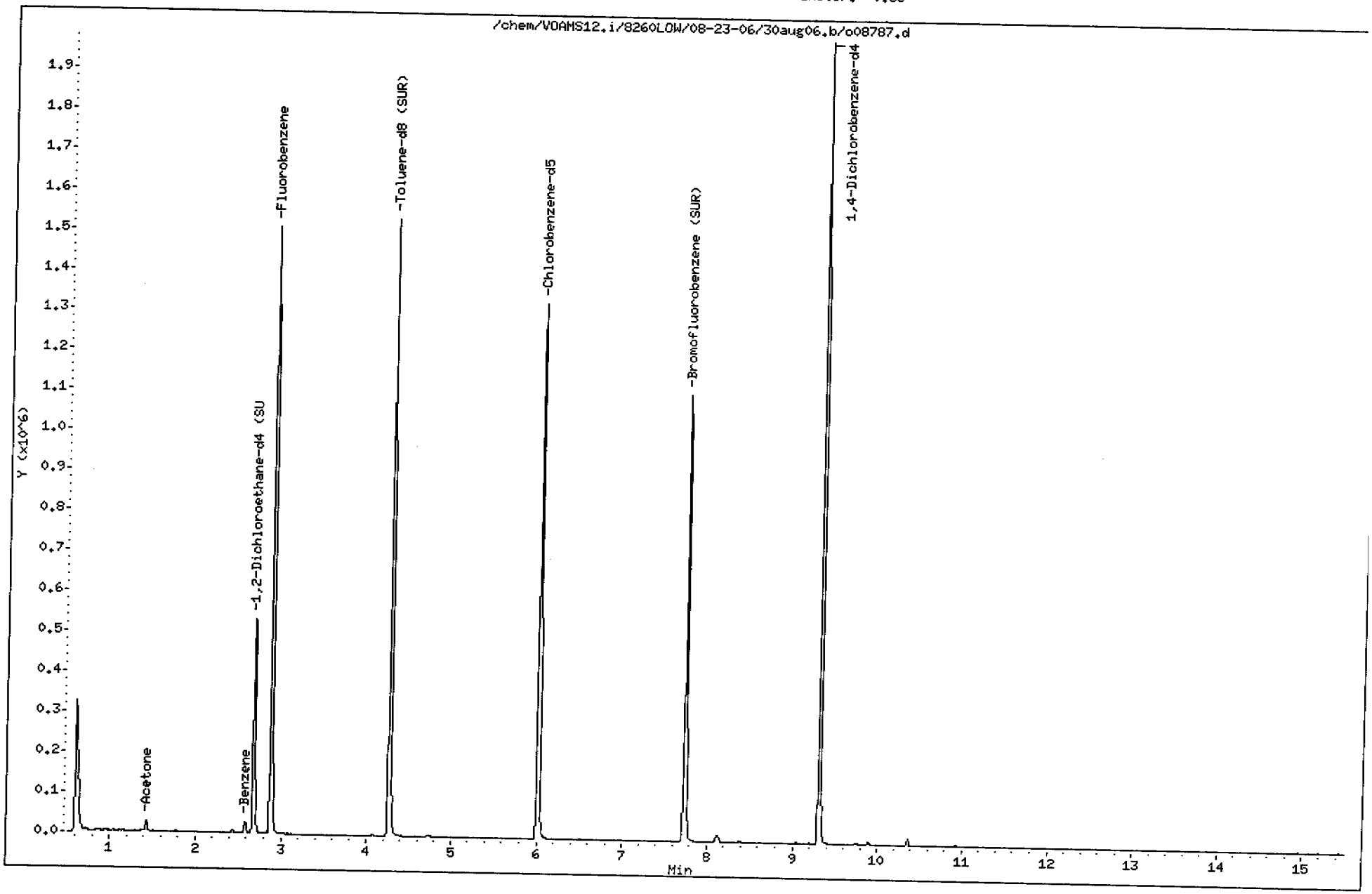
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08787.d
Date : 30-AUG-2006 20:35
Client ID: B901-SS01
Sample Info: 765424;;;5.97;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



201
STL Edison
W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08787.d

Date : 30-AUG-2006 20:35

Client ID: B901-SS01

Instrument: VOAMS12.i

Sample Info: 765424;;;5.97;5

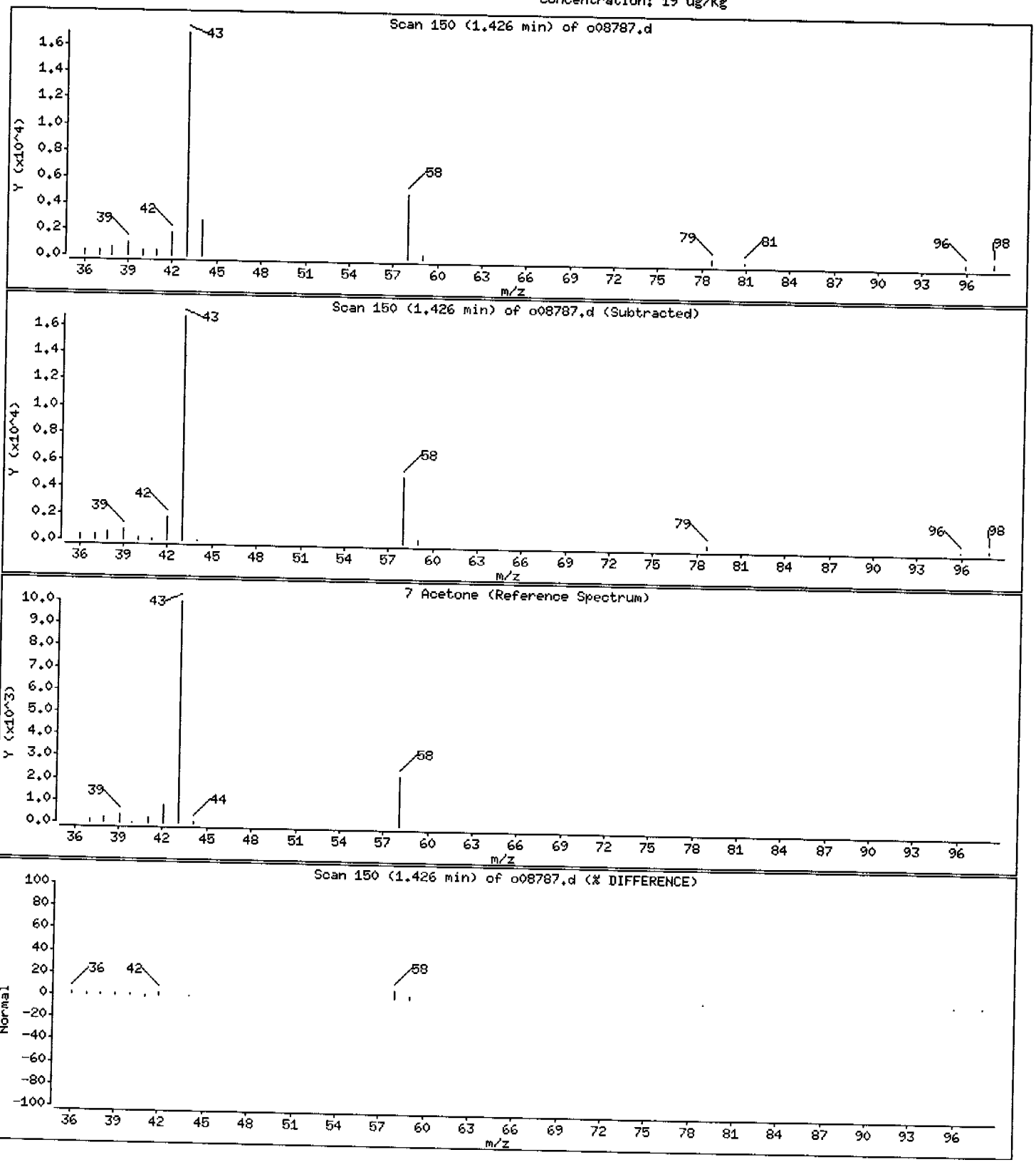
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 19 ug/Kg



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08787.d

Date : 30-AUG-2006 20:35

Client ID: B901-SS01

Instrument: VOAMS12.i

Sample Info: 765424;;;5.97;5

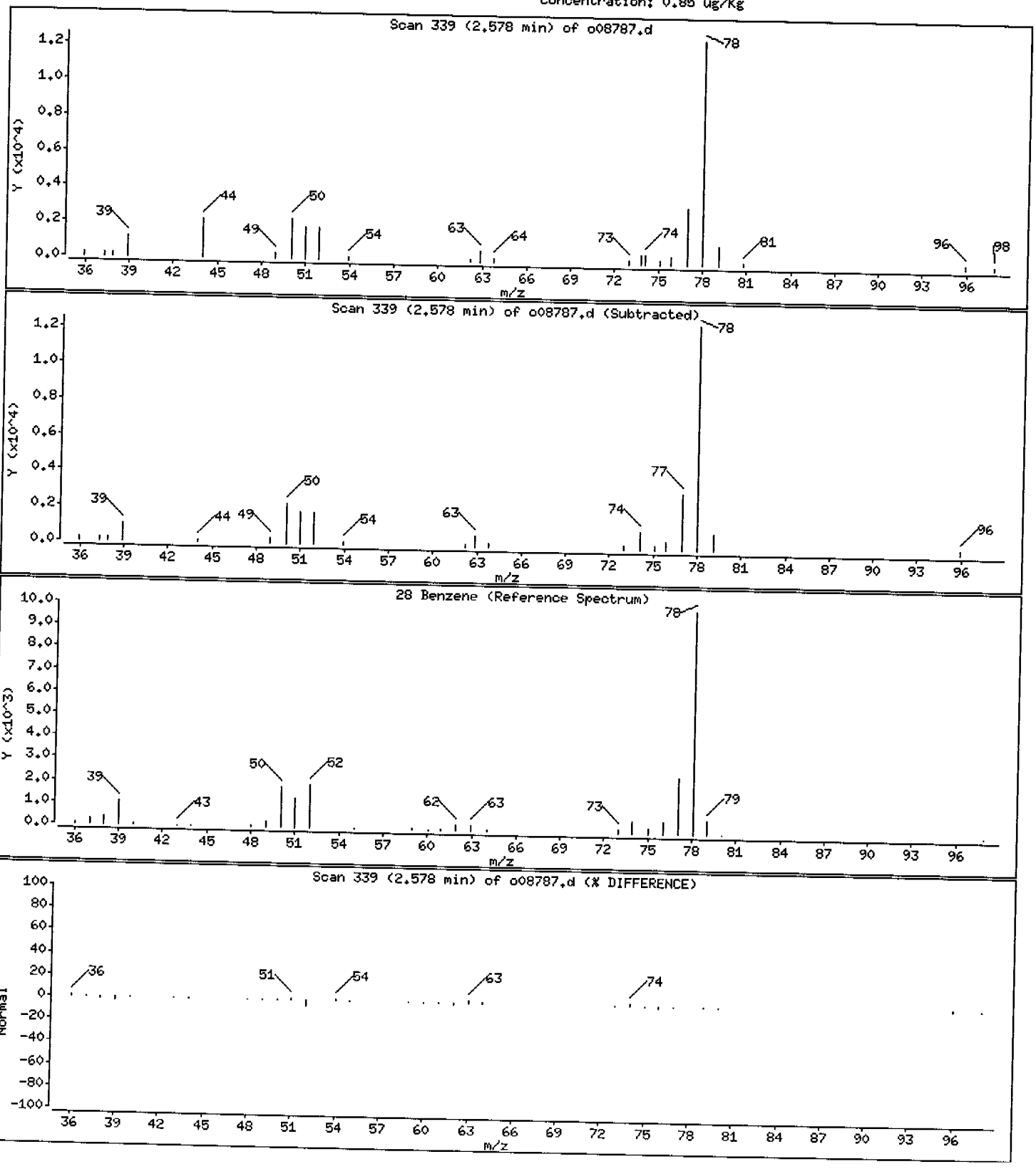
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

28 Benzene

Concentration: 0.85 ug/Kg



Client ID: **B901-SS02**
Site: Sun Chemical SI

Lab Sample No: **765425**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08788.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.7
Acetone	21 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.7
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.6
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.6
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B901-SS02**
Site: Sun Chemical SI

Lab Sample No: **765425**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08788.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 11.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08788.d
Report Date: 07-Sep-2006 10:20

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08788.d
Lab Smp Id: 765425 Client Smp ID: B901-SS02
Inj Date : 30-AUG-2006 20:59
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765425;;;6.20;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50 Compound Sublist: HSLVOAv+10.sub

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.20000	Weight of sample extracted (g)
M	11.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

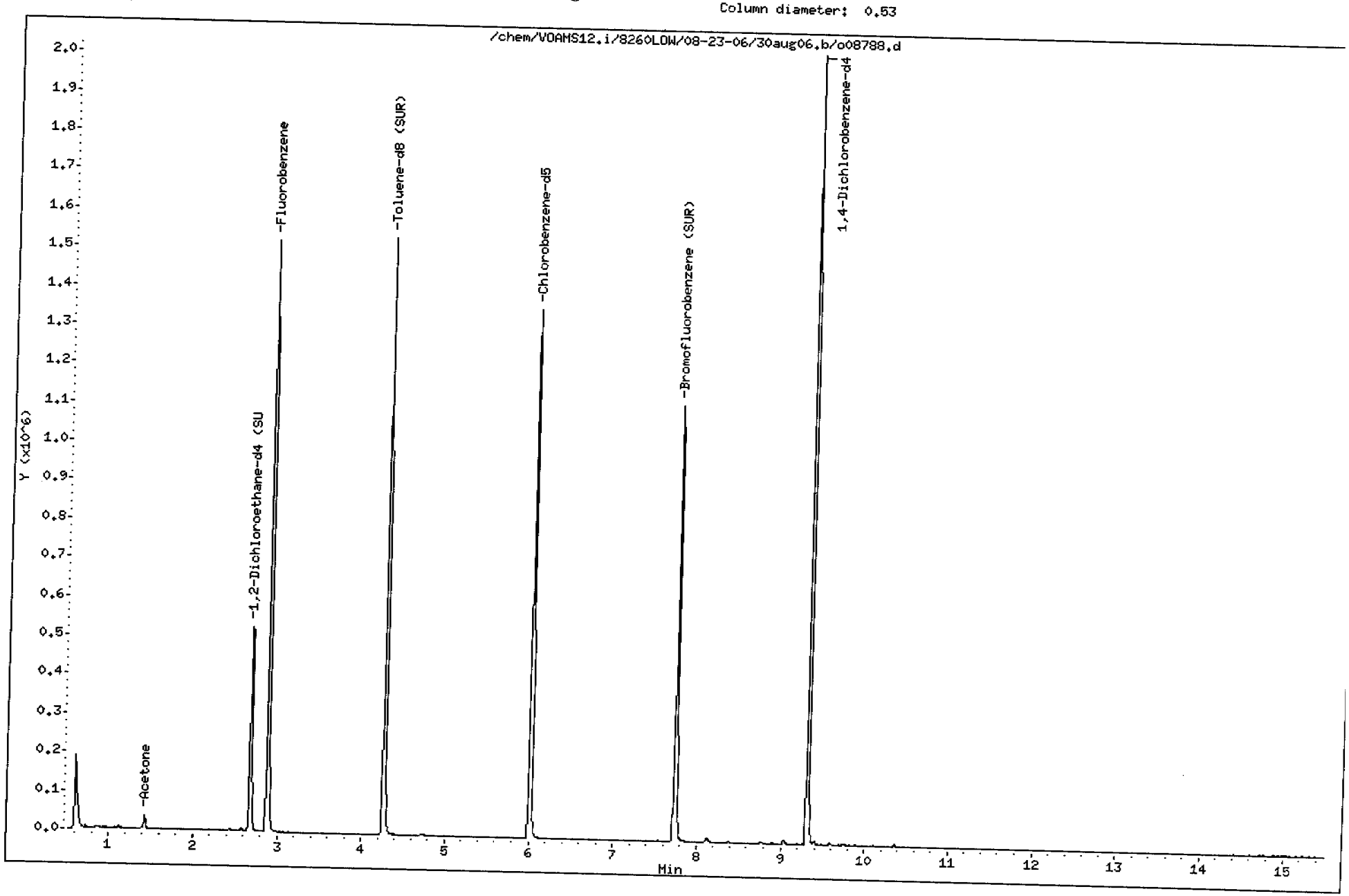
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	1.426	1.432	(0.495)	26842	22.7845	21
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	356028	50.8090	46
* 69 Fluorobenzene	96	2.883	2.883	(1.000)	1150332	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	895023	49.6585	45
* 32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	789943	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	345032	50.9410	46
* 91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	468721	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08788.d
Date : 30-AUG-2006 20:59
Client ID: B901-SS02
Sample Info: 765425;;;6.20;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08788.d

Date : 30-AUG-2006 20:59

Client ID: B901-SS02

Instrument: VOAMS12.i

Sample Info: 765425;;;6.20;5

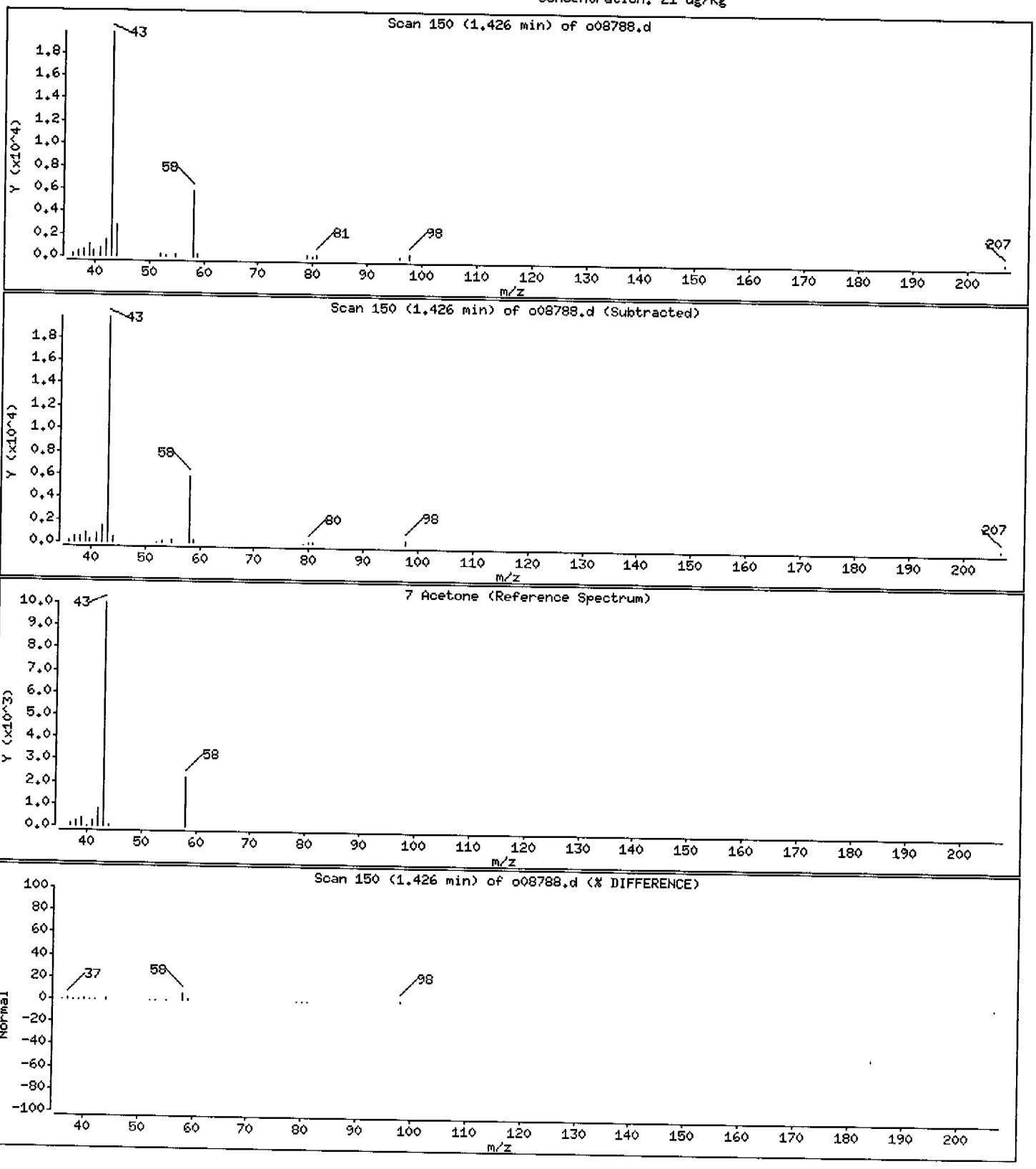
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 21 ug/Kg



Client ID: **B904-SS01**
Site: Sun Chemical SI

Lab Sample No: **765426**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08789.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.2
Acetone	32 B	5.4
Carbon Disulfide	ND	5.4
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.4
1,1,1-Trichloroethane	ND	5.4
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.2
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.4
Bromoform	ND	4.3
4-Methyl-2-Pentanone	ND	5.4
2-Hexanone	ND	5.4
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.4
Chlorobenzene	ND	5.4
Ethylbenzene	ND	4.3
Styrene	ND	5.4
Xylene (Total)	ND	5.4

Client ID: **B904-SS01**
Site: Sun Chemical SI

Lab Sample No: **765426**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08789.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 14.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08789.d
Report Date: 07-Sep-2006 10:20

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08789.d
Lab Smp Id: 765426 Client Smp ID: B904-SS01
Inj Date : 30-AUG-2006 21:22
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765426;;;5.40;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.40000	Weight of sample extracted (g)
M	14.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

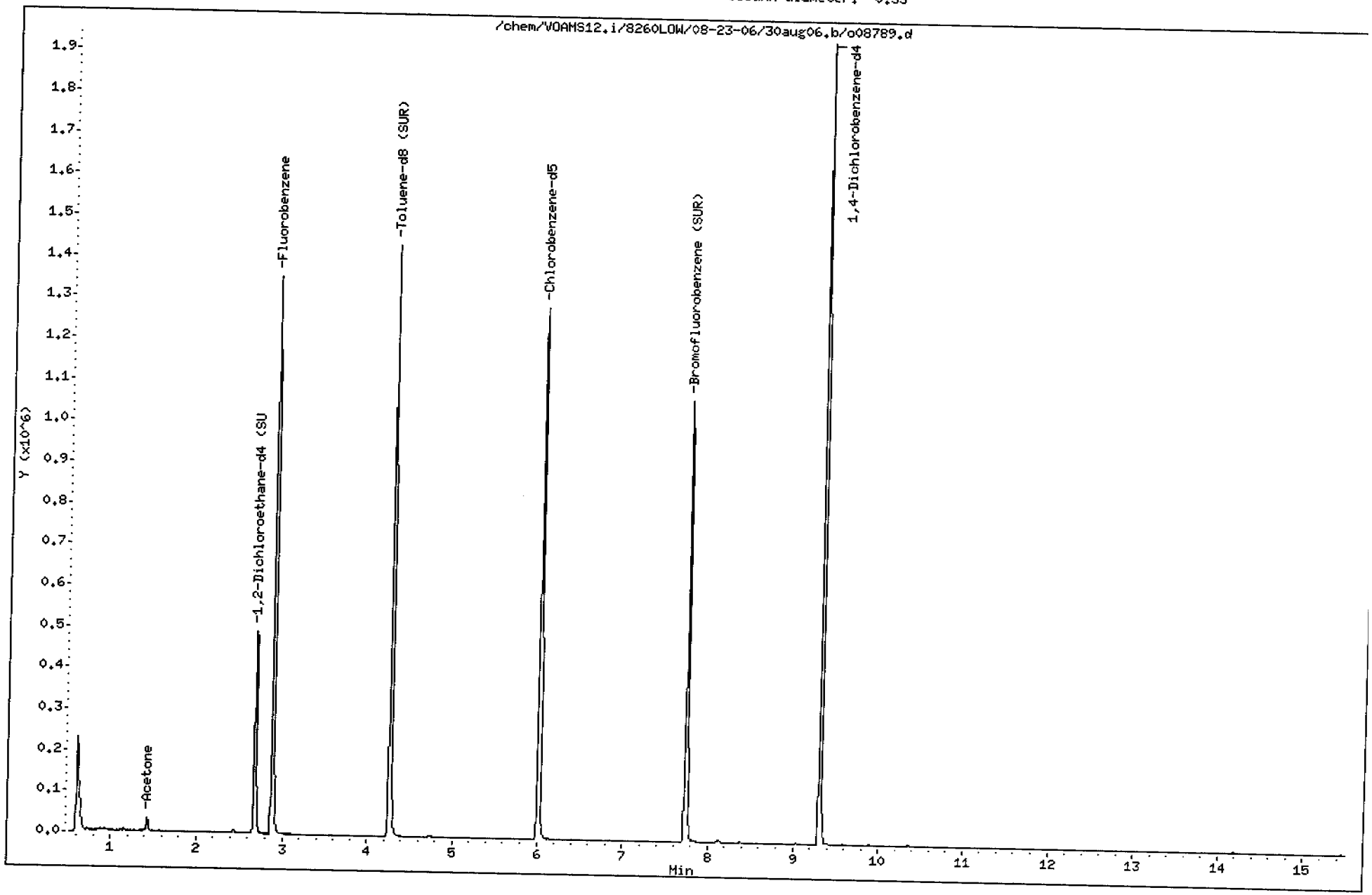
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.426	1.432	(0.495)	29822	29.6379	32
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	334161	55.8339	60
*	69 Fluorobenzene	96	2.883	2.883	(1.000)	982511	50.0000	
$	37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	833345	48.6188	52
*	32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	751234	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	320258	51.1717	55
*	91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	433105	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08789.d
Date : 30-AUG-2006 21:22
Client ID: B904-SS01
Sample Info: 765426;;;5.40;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08789.d

Date : 30-AUG-2006 21:22

Client ID: B904-SS01

Instrument: VOAMS12.i

Sample Info: 765426;;;5.40;5

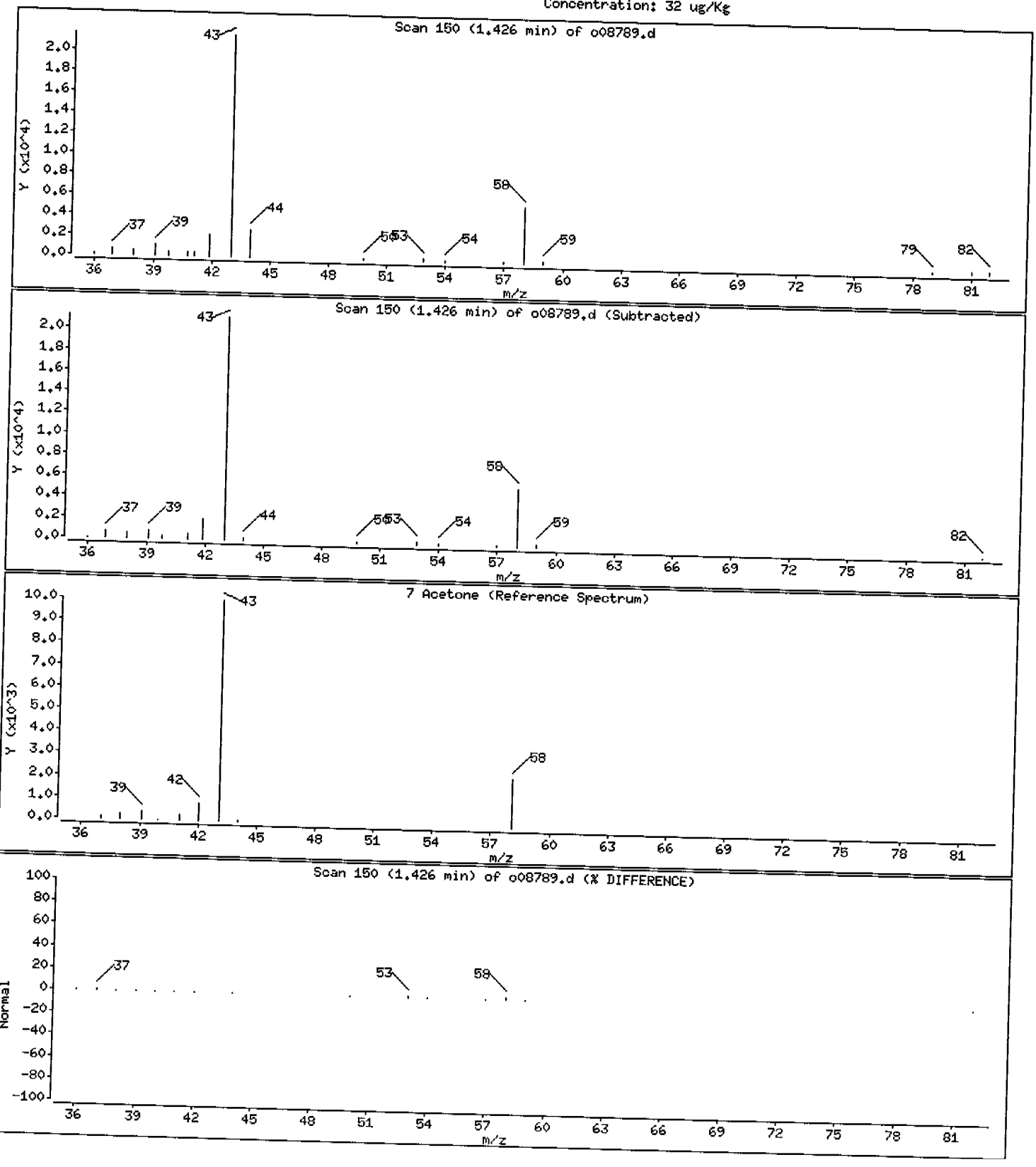
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 32 ug/Kg



Client ID: **B904-SS01D**
Site: Sun Chemical SI

Lab Sample No: **765427**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08790.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	28 B	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **B904-SS01D**
Site: Sun Chemical SI

Lab Sample No: **765427**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08790.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 13.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08790.d
Report Date: 07-Sep-2006 10:20

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VOLATILE ORGANIC COMPOUND ANALYSIS

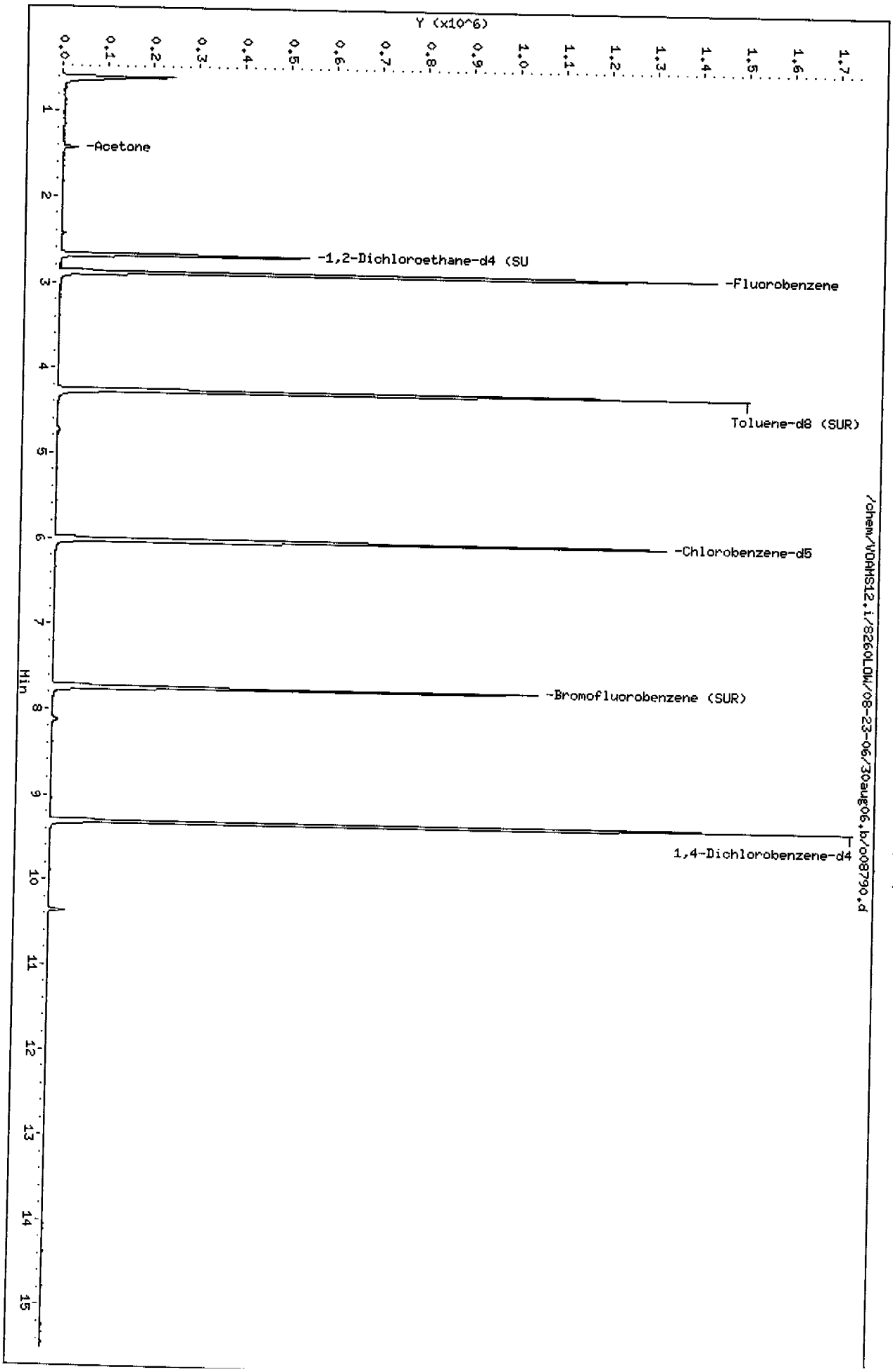
Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08790.d
Lab Smp Id: 765427 Client Smp ID: B904-SS01D
Inj Date : 30-AUG-2006 21:45
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765427;;;5.73;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.73000	Weight of sample extracted (g)
M	13.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.432	1.432	(0.497)	29499	27.4398	28
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	368056	57.5596	58
*	69 Fluorobenzene	96	2.883	2.883	(1.000)	1049724	50.0000	
$	37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	905127	49.4903	50
*	32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	801576	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	320146	56.7189	57
*	91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	390610	50.0000	


Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08790.d
Date : 30-AUG-2006 21:45
Client ID: B904-SS01D
Sample Info: 765427;;;5.73;5
Column phase: DB624
Instrument: VOAMS12.i
Operator: VOAMS 9
Column diameter: 0.53
Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1 -Acetone
2 -1,2-Dichloroethane-d4 (SU
3 -Fluorobenzene
4 Toluene-d8 (SUR)
5 -Chlorobenzene-d5
6 -Bromofluorobenzene (SUR)
7 1,4-Dichlorobenzene-d4
Min
8
9
10
11
12
13
14
15
/chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08790.d

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08790.d

Date : 30-AUG-2006 21:45

Client ID: B904-SS01D

Instrument: VOAMS12.i

Sample Info: 765427;;;5.73;5

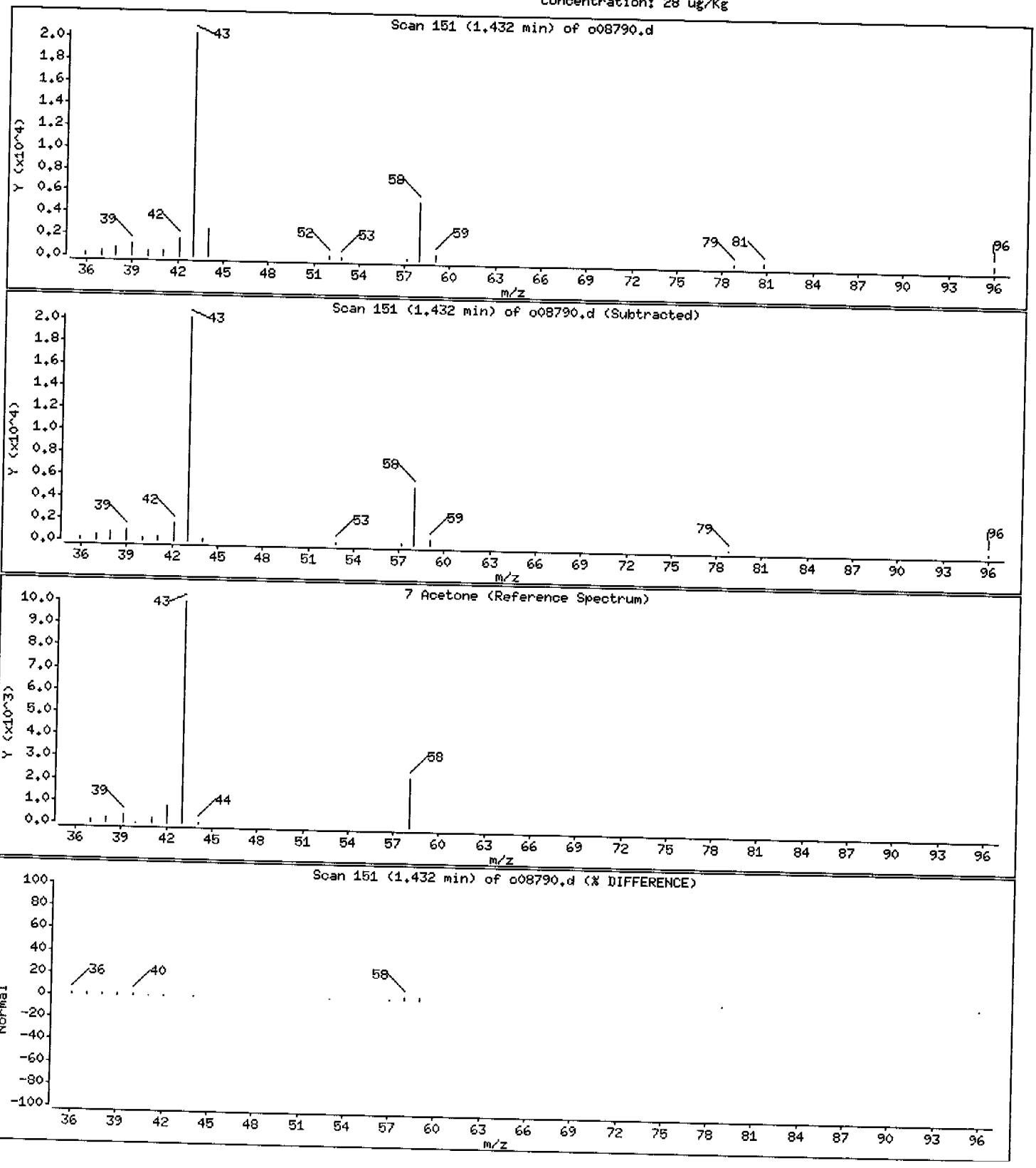
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 28 ug/Kg



Client ID: **B904-SS02**
Site: Sun Chemical SI

Lab Sample No: **765428**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08791.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	32 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	1.4J	4.6

Client ID: **B904-SS02**
Site: Sun Chemical SI

Lab Sample No: **765428**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08791.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08791.d
Report Date: 07-Sep-2006 10:20

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08791.d
Lab Smp Id: 765428 Client Smp ID: B904-SS02
Inj Date : 30-AUG-2006 22:08
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765428;;;6.23;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

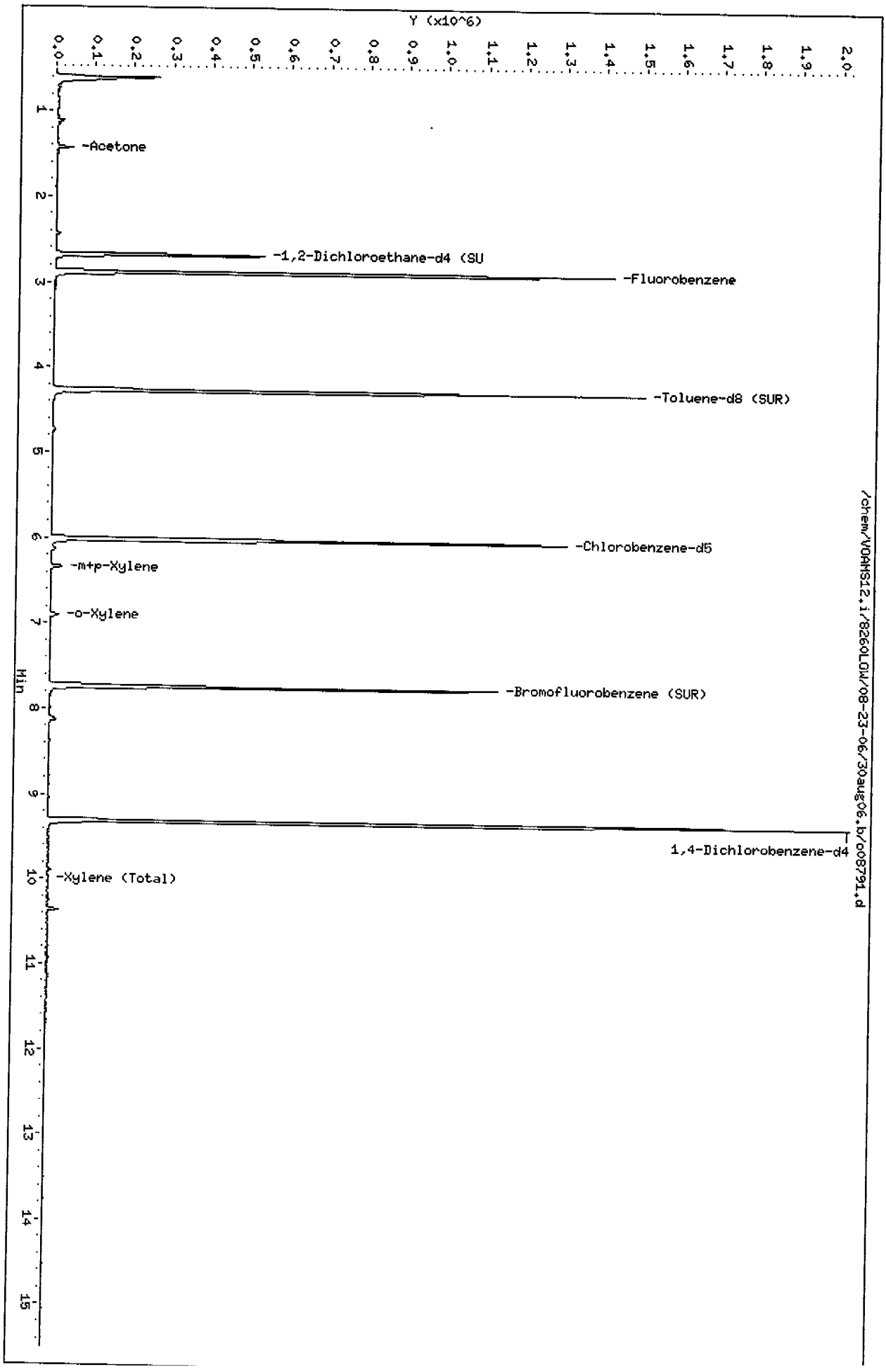
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.23000	Weight of sample extracted (g)
M	12.90000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.426	1.432	(0.495)	36903	35.0566	32
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	357166	57.0439	52
*	69 Fluorobenzene	96	2.883	2.883	(1.000)	1027874	50.0000	
$	37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	848118	49.0051	45
*	32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	758525	50.0000	
	43 m+p-Xylene	106	6.346	6.346	(1.055)	8219	0.79678	0.73(a)
	44 o-Xylene	106	6.913	6.913	(1.149)	6390	0.70824	0.65(a)
$	41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	342849	51.3291	47
*	91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	462234	50.0000	
M	45 Xylene (Total)	100				14609	1.47800	1.4(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08791.d
Date : 30-AUG-2006 22:08
Client ID: B904-SS02
Sample Info: 765428;;;6.23;5
Column phase: DB624
Instrument: VOAMS12.i
Operator: VOAMS 9
Column diameter: 0.53
Y (x10^6)
Min
-Acetone
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-m+p-Xylene
-o-Xylene
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
-Xylene (Total)
/chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08791.d

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08791.d

Date : 30-AUG-2006 22:08

Client ID: B904-SS02

Instrument: VOAMS12.i

Sample Info: 765428;;;6.23;5

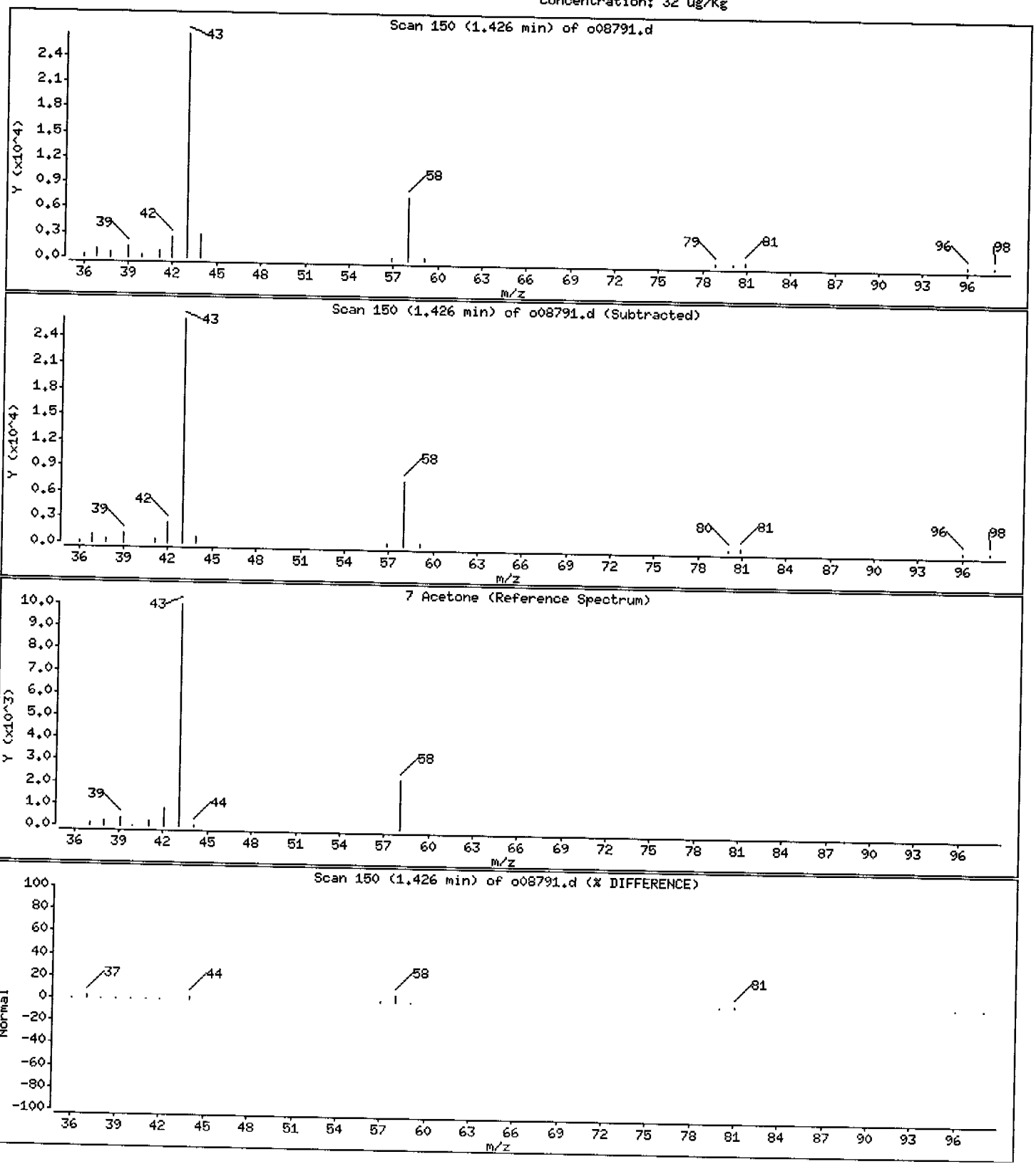
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 32 ug/Kg



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08791.d

Date : 30-AUG-2006 22:08

Client ID: B904-SS02

Instrument: VOAMS12.i

Sample Info: 765428;;;6.23;5

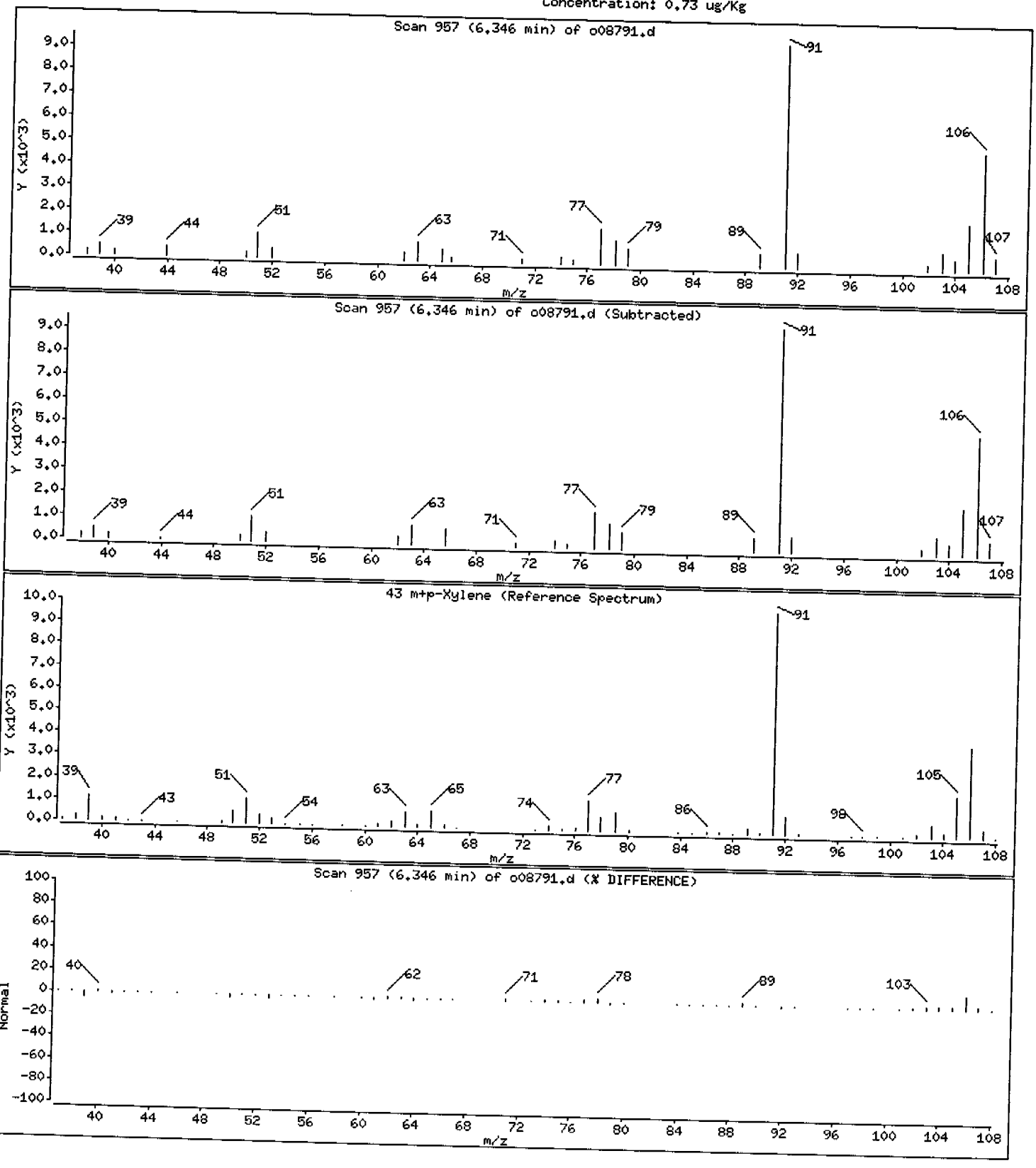
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

43 m+p-Xylene

Concentration: 0.73 ug/Kg



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Date : 30-AUG-2006 22:08

Client ID: B904-SS02

Instrument: VOAMS12.i

Sample Info: 765428;;;6.23;5

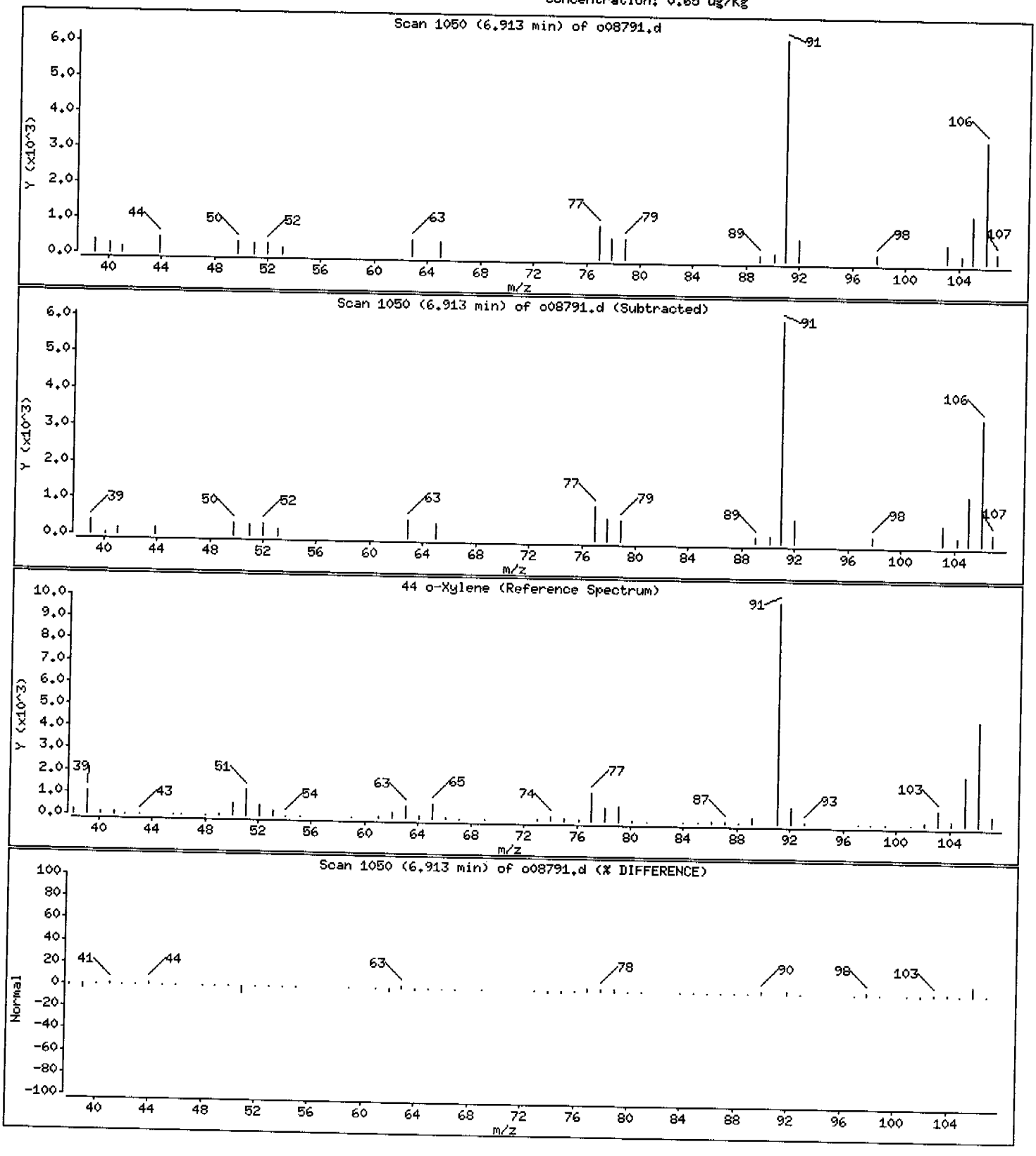
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

44 o-Xylene

Concentration: 0.65 ug/Kg



Client ID: **B101-SS01**
Site: Sun Chemical SI

Lab Sample No: **765429**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68487.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	570
Bromomethane	ND	570
Vinyl Chloride	ND	570
Chloroethane	ND	570
Methylene Chloride	ND	340
Acetone	ND	570
Carbon Disulfide	ND	570
1,1-Dichloroethene	ND	230
1,1-Dichloroethane	ND	570
trans-1,2-Dichloroethene	ND	570
cis-1,2-Dichloroethene	ND	570
Chloroform	ND	570
1,2-Dichloroethane	ND	230
2-Butanone	ND	570
1,1,1-Trichloroethane	ND	570
Carbon Tetrachloride	ND	230
Bromodichloromethane	ND	110
1,2-Dichloropropane	ND	110
cis-1,3-Dichloropropene	ND	570
Trichloroethene	ND	110
Dibromochloromethane	ND	570
1,1,2-Trichloroethane	ND	340
Benzene	ND	110
trans-1,3-Dichloropropene	ND	570
Bromoform	ND	460
4-Methyl-2-Pentanone	ND	570
2-Hexanone	ND	570
Tetrachloroethene	ND	110
1,1,2,2-Tetrachloroethane	ND	110
Toluene	ND	570
Chlorobenzene	ND	570
Ethylbenzene	270 J	460
Styrene	ND	570
Xylene (Total)	740	570

Client ID: **B101-SS01**
Site: Sun Chemical SI

Lab Sample No: **765429**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68487.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	12.06	8400	
2.	C10H22 Alkane	12.52	27000	
3.	C11H24 Alkane	12.80	9600	
4.	C10H20 Cycloalkane	13.18	13000	
5.	Ethyldimethylbenzene isomer	13.26	12000	
6.	Decahydronaphthalene isomer	13.76	21000	
7.	Ethyldimethylbenzene isomer/Unknown	14.00	8100	
8.	Unknown Cycloalkane	14.47	15000	
9.	Decahydromethylnaphthalene isomer	14.75	6700	
10.	Tetramethylbenzene isomer	15.18	9700	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 130500

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d
Report Date: 06-Sep-2006 11:39

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d
Lab Smp Id: 765429 Client Smp ID: B101-SS01
Inj Date : 01-SEP-2006 15:07
Operator : VOAMS 4 Inst ID: VOAMS8.i
Smp Info : 765429;50;;5.04;10
Misc Info : W345;0742;;LD
Comment :
Method : /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/8260H_05.m
Meth Date : 01-Sep-2006 08:46 lily Quant Type: ISTD
Cal Date : 25-AUG-2006 12:37 Cal File: j68330.d
Als bottle: 15
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.04000	Weight of sample extracted (g)
M	12.90000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$	16 1,2-Dichloroethane-d4 (SUR)	65	7.234	7.233	(0.944)	914875	55.4028	6300
*	19 Fluorobenzene	96	7.660	7.652	(1.000)	3817835	50.0000	
$	37 Toluene-d8 (SUR)	98	9.520	9.519	(0.862)	2582074	56.7515	6500
*	32 Chlorobenzene-d5	117	11.046	11.041	(1.000)	2587596	50.0000	
	40 Ethylbenzene	106	11.164	11.158	(1.011)	43750	2.36264	270(aM)
	43 m+p-Xylene	106	11.280	11.268	(1.021)	85292	3.34295	380(a)
	44 o-Xylene	106	11.661	11.667	(1.056)	76489	3.19788	360(a)
$	41 Bromofluorobenzene (SUR)	174	12.179	12.176	(0.912)	1135793	54.7795	6200
*	91 1,4-Dichlorobenzene-d4	152	13.348	13.345	(1.000)	1286925	50.0000	
M	45 Xylene (Total)	100				161781	6.47584	740

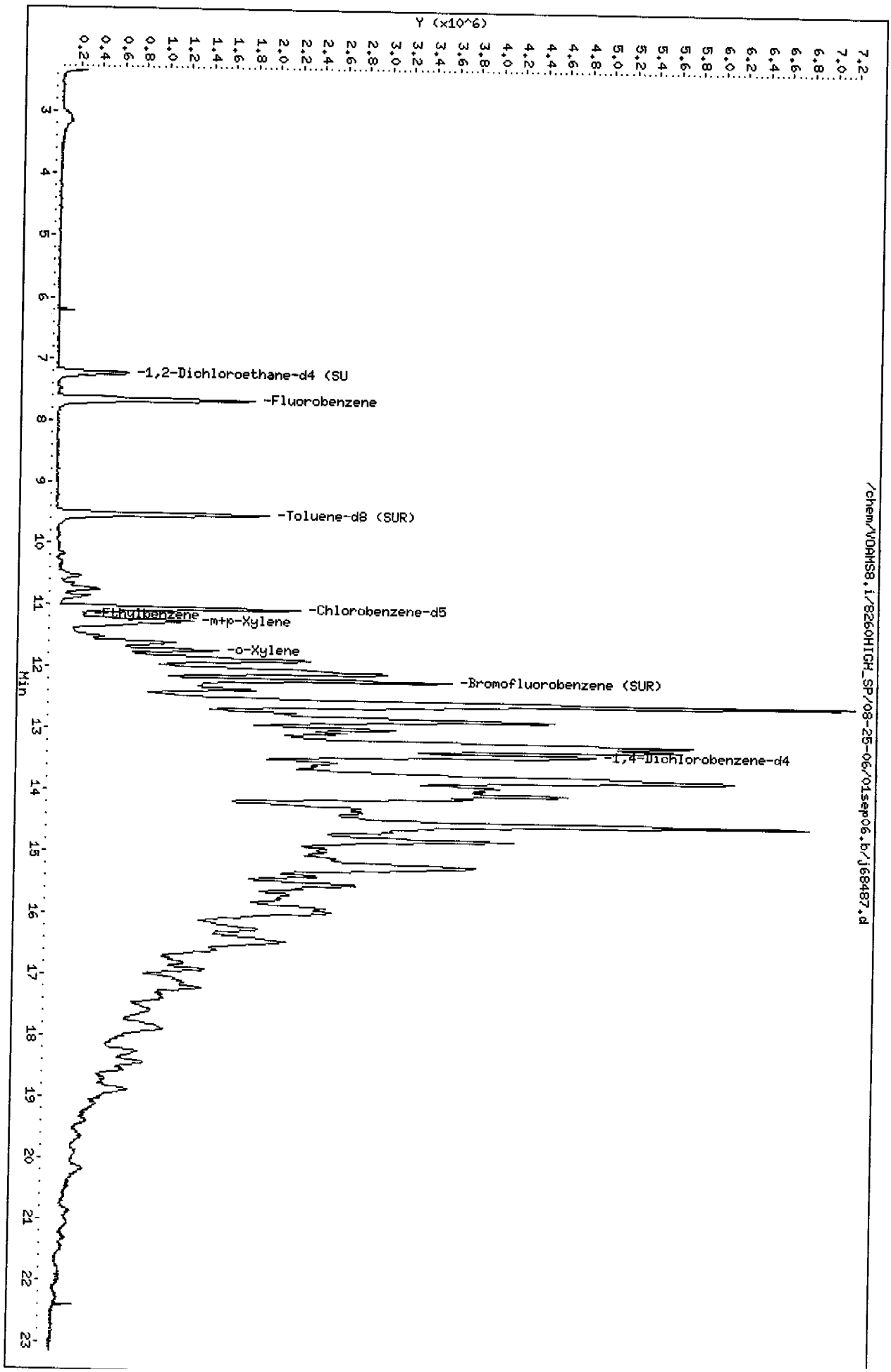
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d
Report Date: 06-Sep-2006 11:39

QC Flag Legend

M - Compound response manually integrated.


Data File: /chem/VOAHS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d
Date : 01-SEP-2006 15:07
Client ID: E101-S301
Sample Info: 765429;50;;5.04;10
Column phase: DB624
Instrument: VOAHS8.i
Operator: VOAHS 4
Column diameter: 0.53
Y (x10^6)
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Ethylbenzene
-m+p-Xylene
-o-Xylene
-Bromofluorobenzene (SUR)
-1,4-Dichlorobenzene-d4
/chem/VOAHS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d

Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

Sample Info: 765429;50;;5.04;10

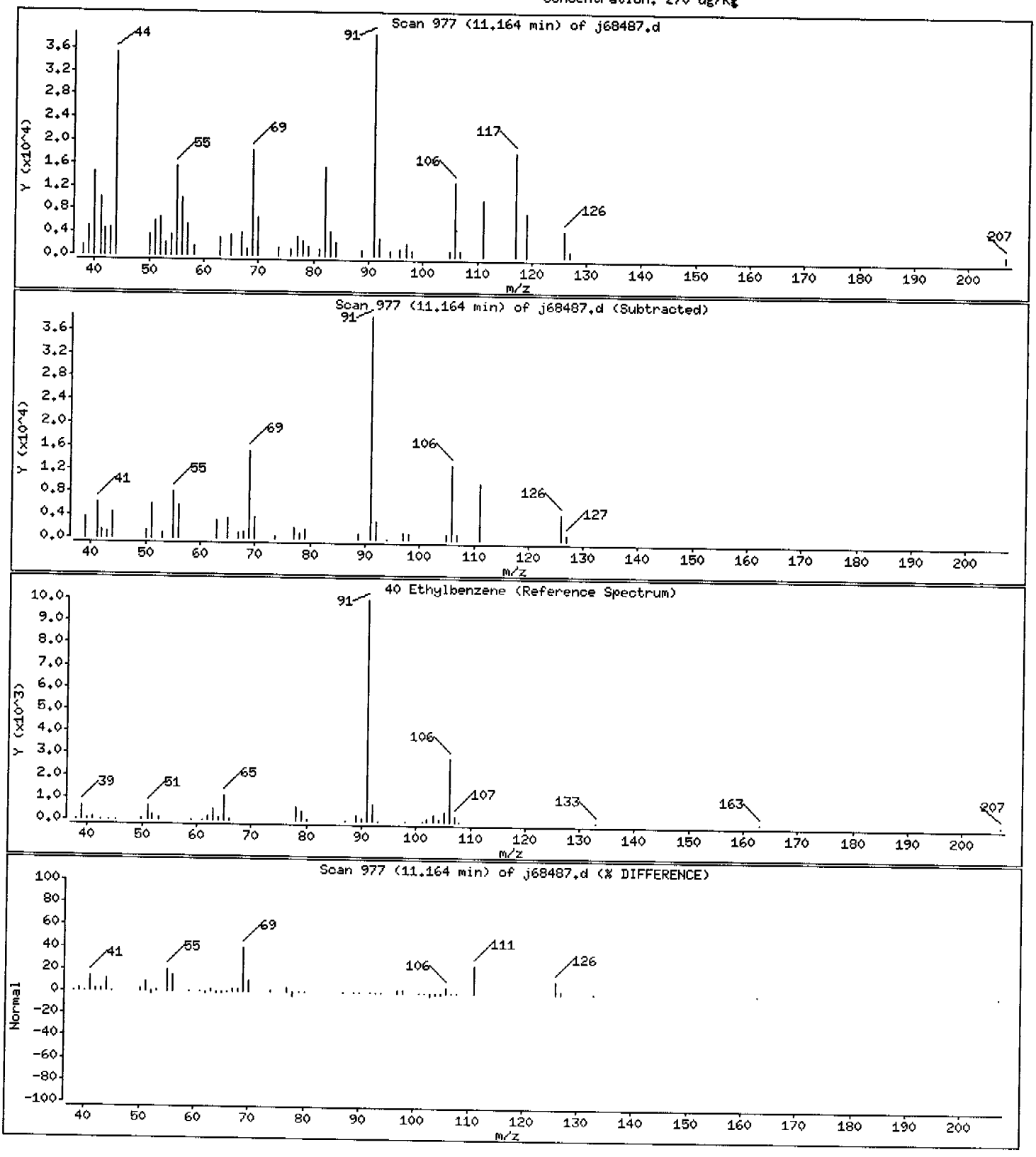
Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

40 Ethylbenzene

Concentration: 270 ug/Kg



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Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

Sample Info: 765429;50;;5.04;10

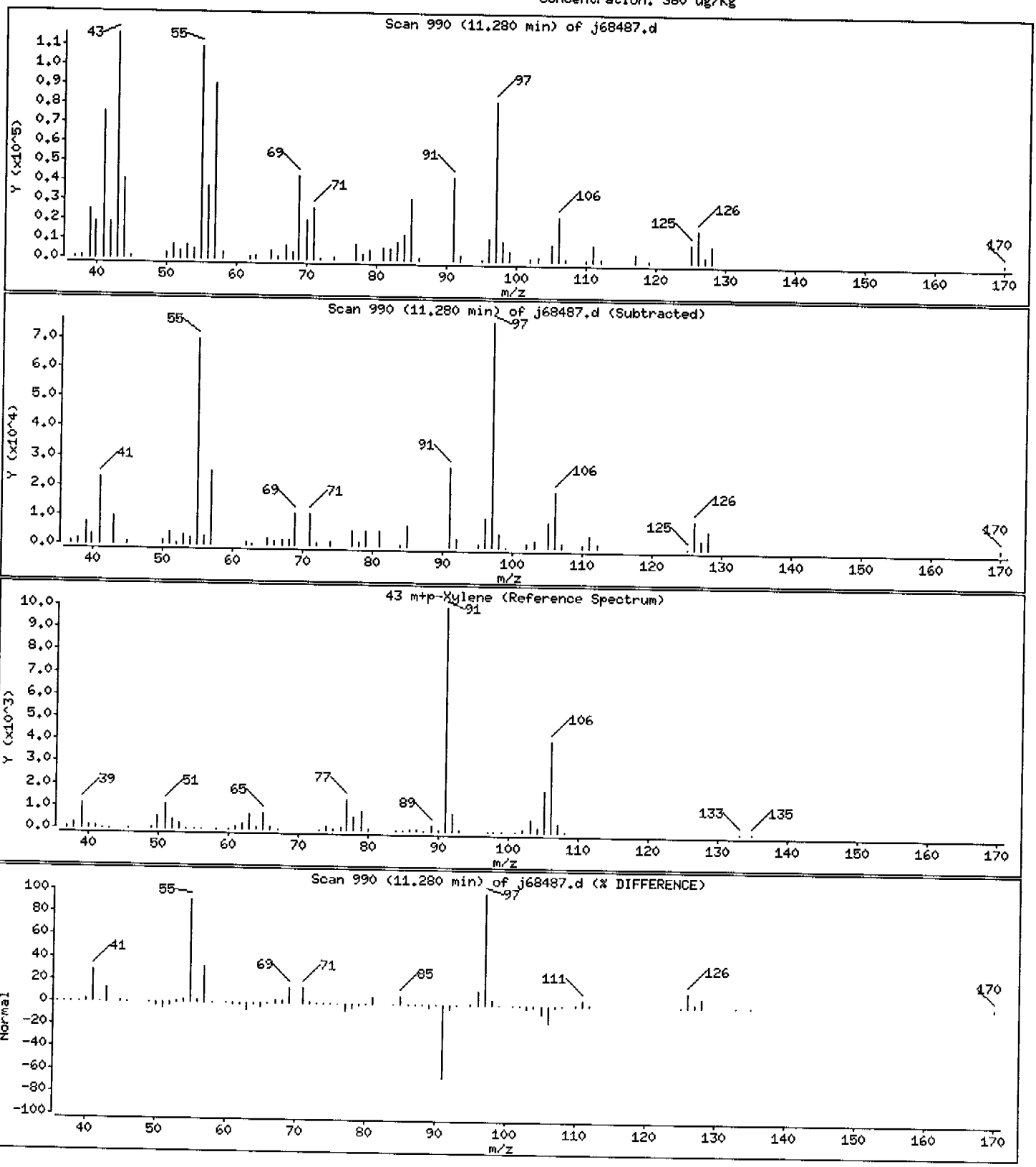
Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

43 m+p-Xylene

Concentration: 380 ug/Kg



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Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

Sample Info: 765429;50;;5.04;10

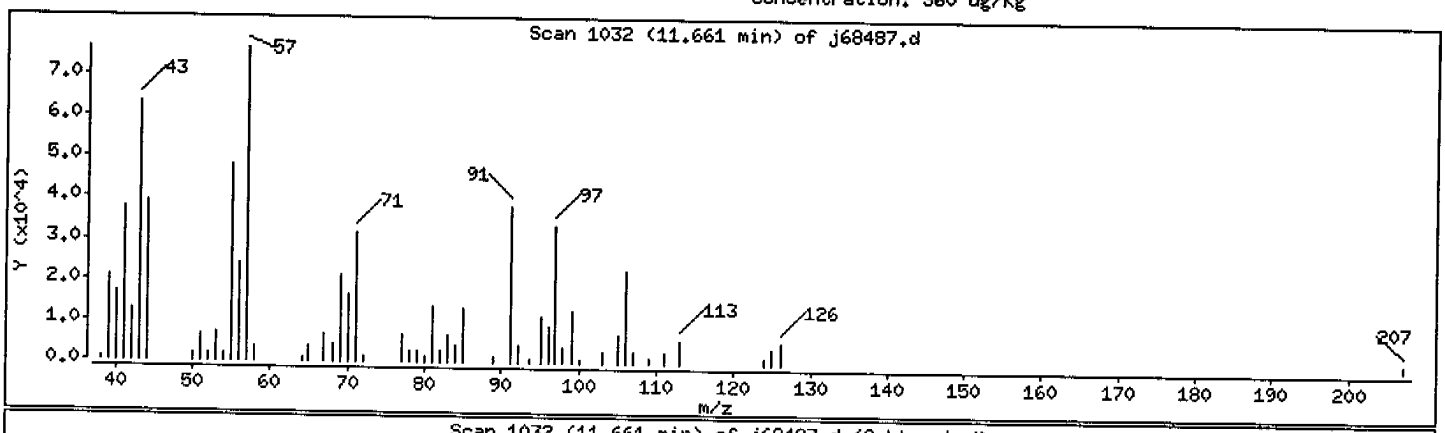
Operator: VOAMS 4

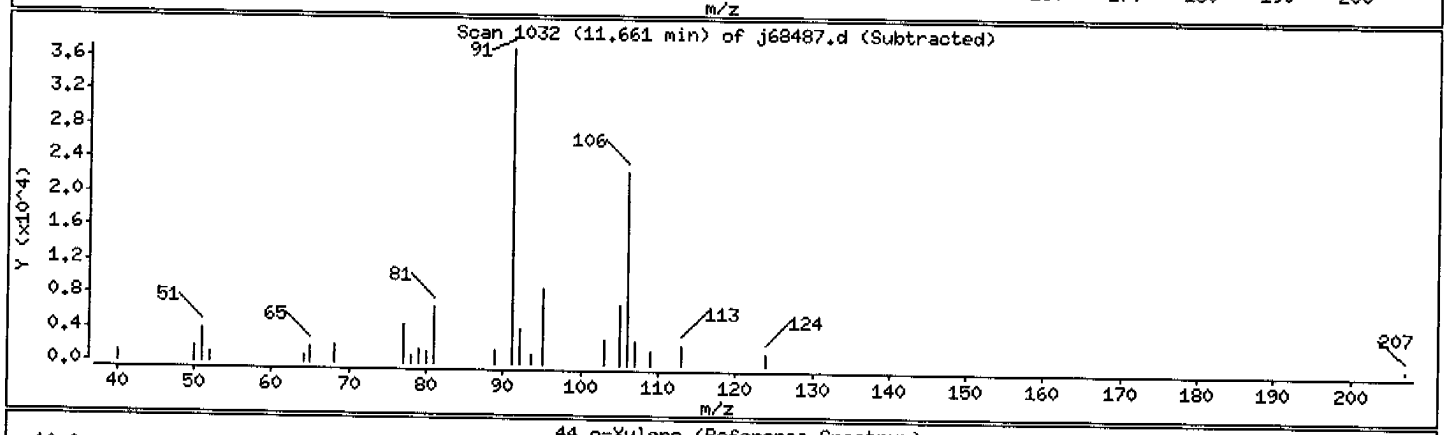
Column phase: DB624

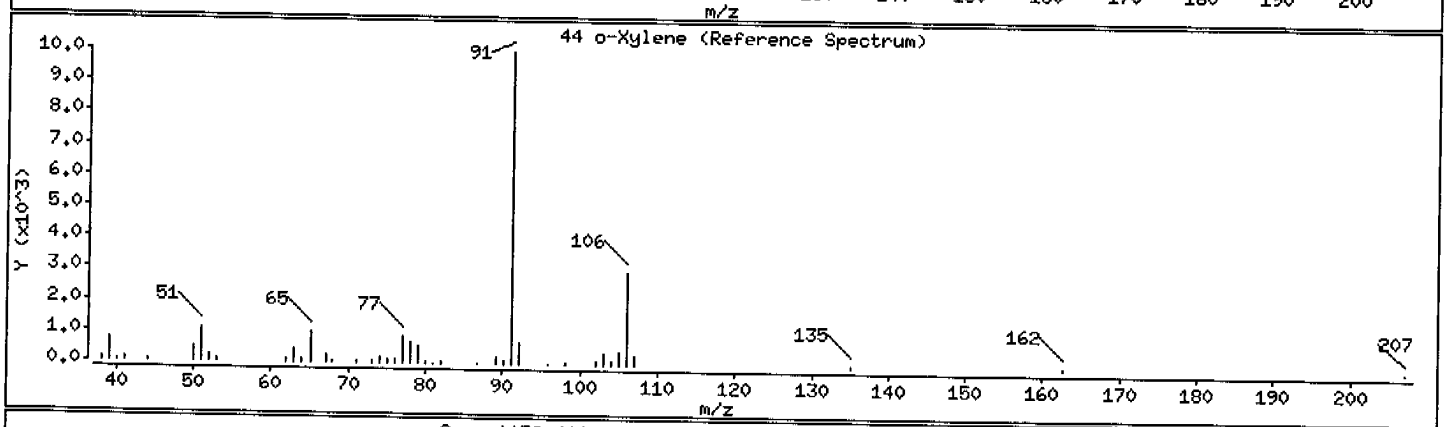
Column diameter: 0.53

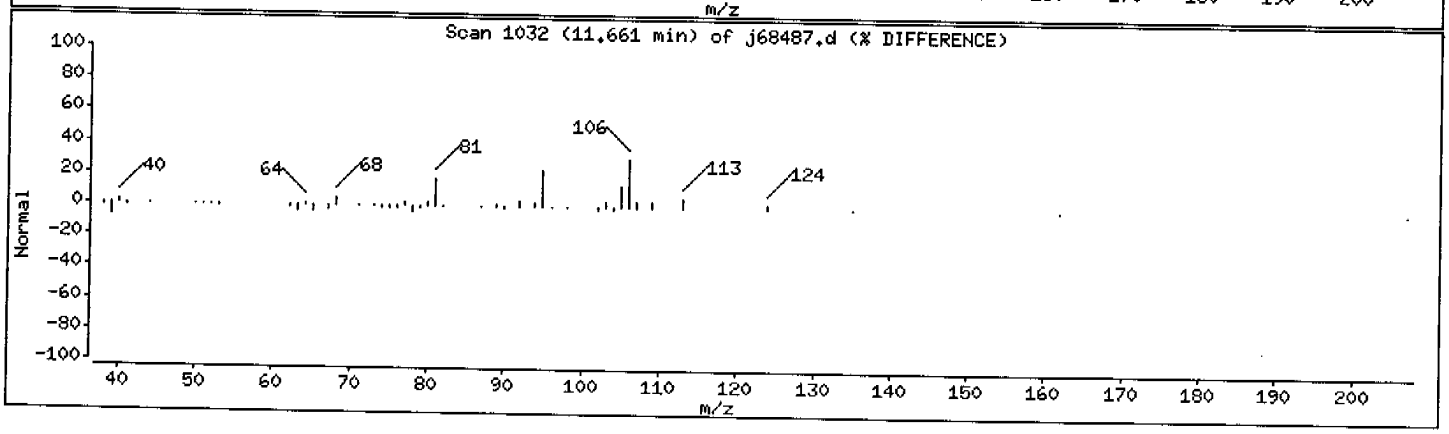
44 o-Xylene

Concentration: 360 ug/Kg









Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d

Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

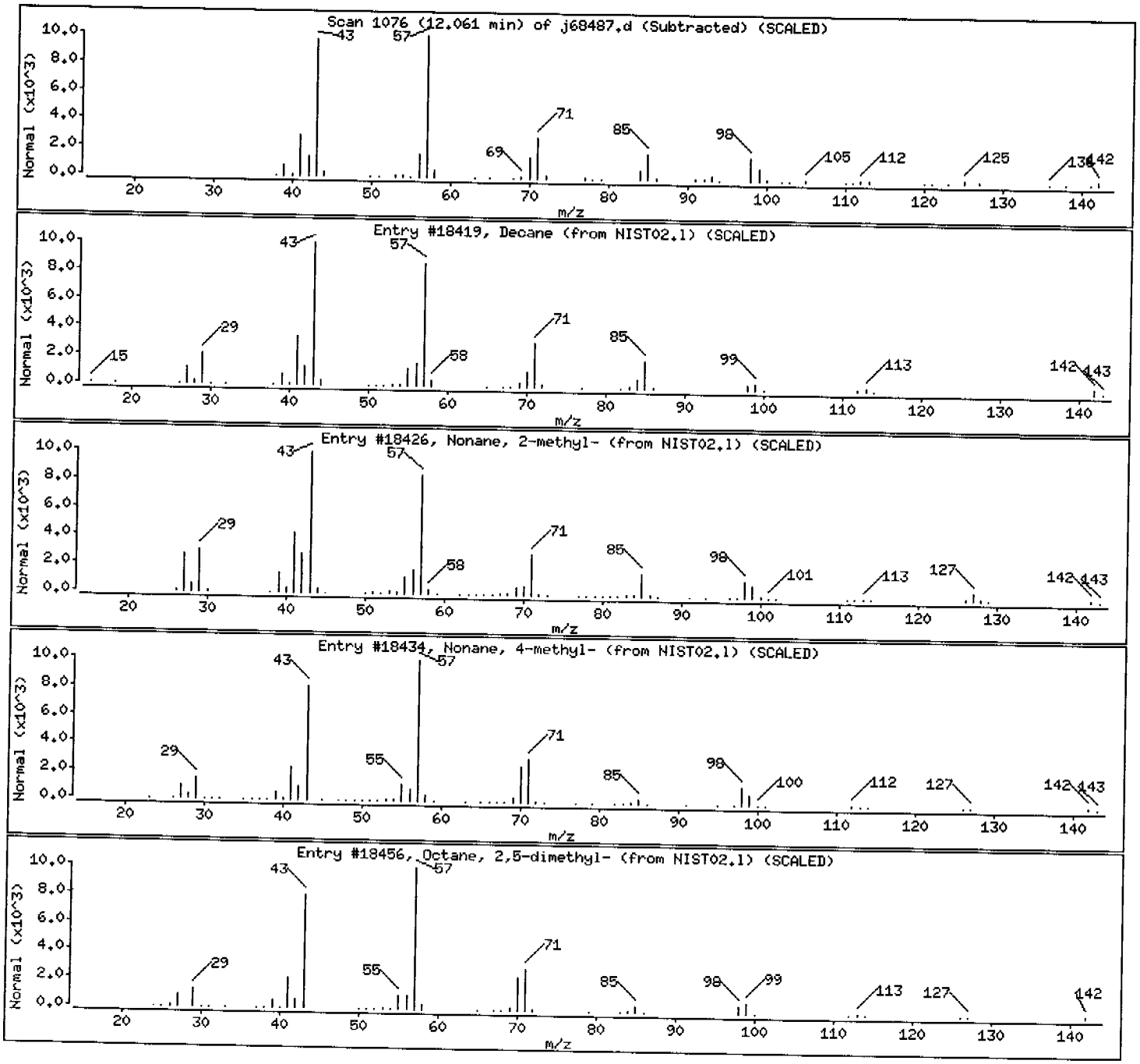
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane						
Decane	124-18-5	NIST02.l	18419	90	C10H22	142
Nonane, 2-methyl-	871-83-0	NIST02.l	18426	74	C10H22	142
Nonane, 4-methyl-	17301-94-9	NIST02.l	18434	72	C10H22	142
Octane, 2,5-dimethyl-	15869-89-3	NIST02.l	18456	64	C10H22	142



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Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

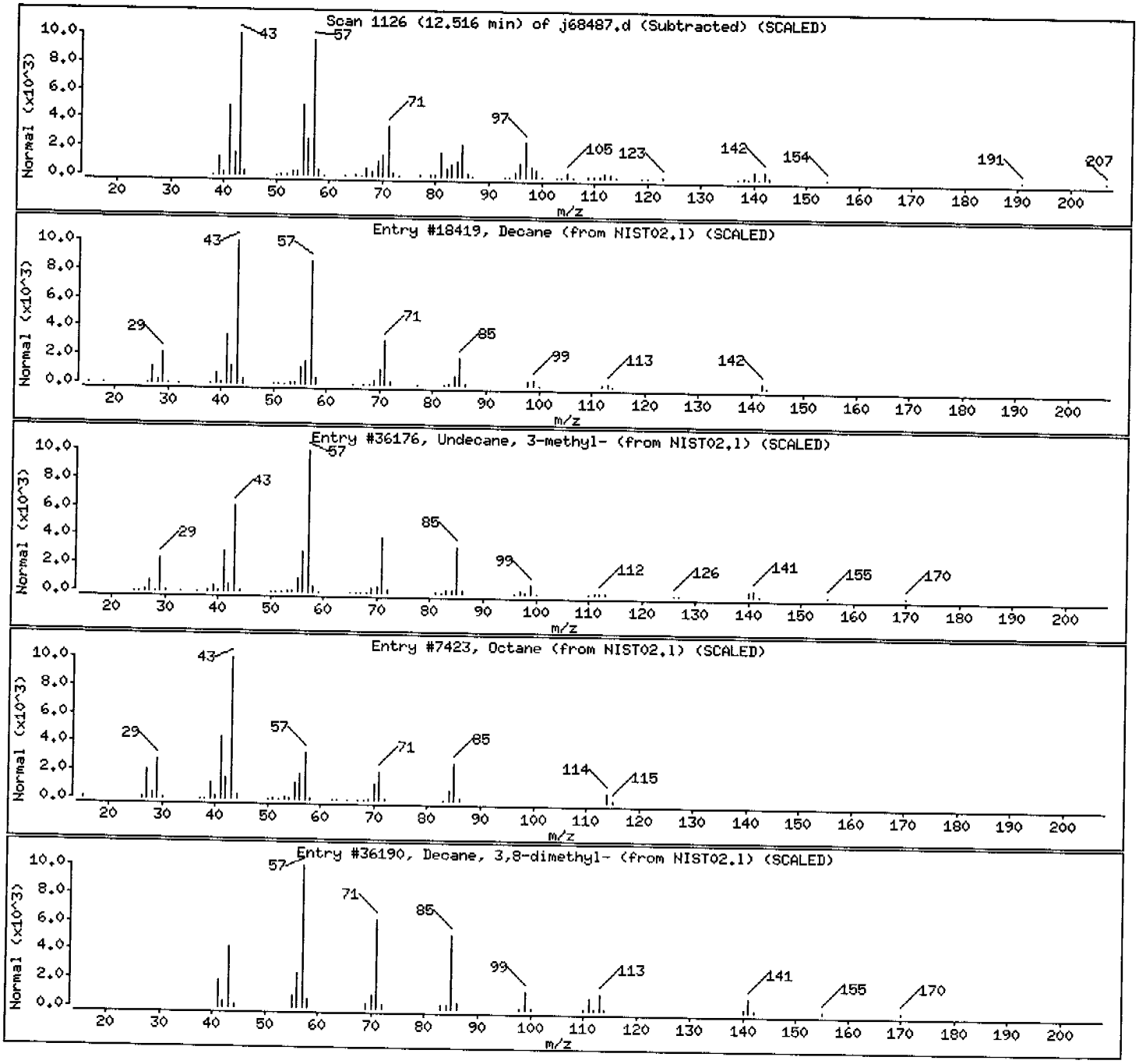
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane						
Decane	124-18-5	NIST02.l	18419	64	C10H22	142
Undecane, 3-methyl-	1002-43-3	NIST02.l	36176	50	C12H26	170
Octane	111-65-9	NIST02.l	7423	47	C8H18	114
Decane, 3,8-dimethyl-	17312-55-9	NIST02.l	36190	47	C12H26	170



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Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

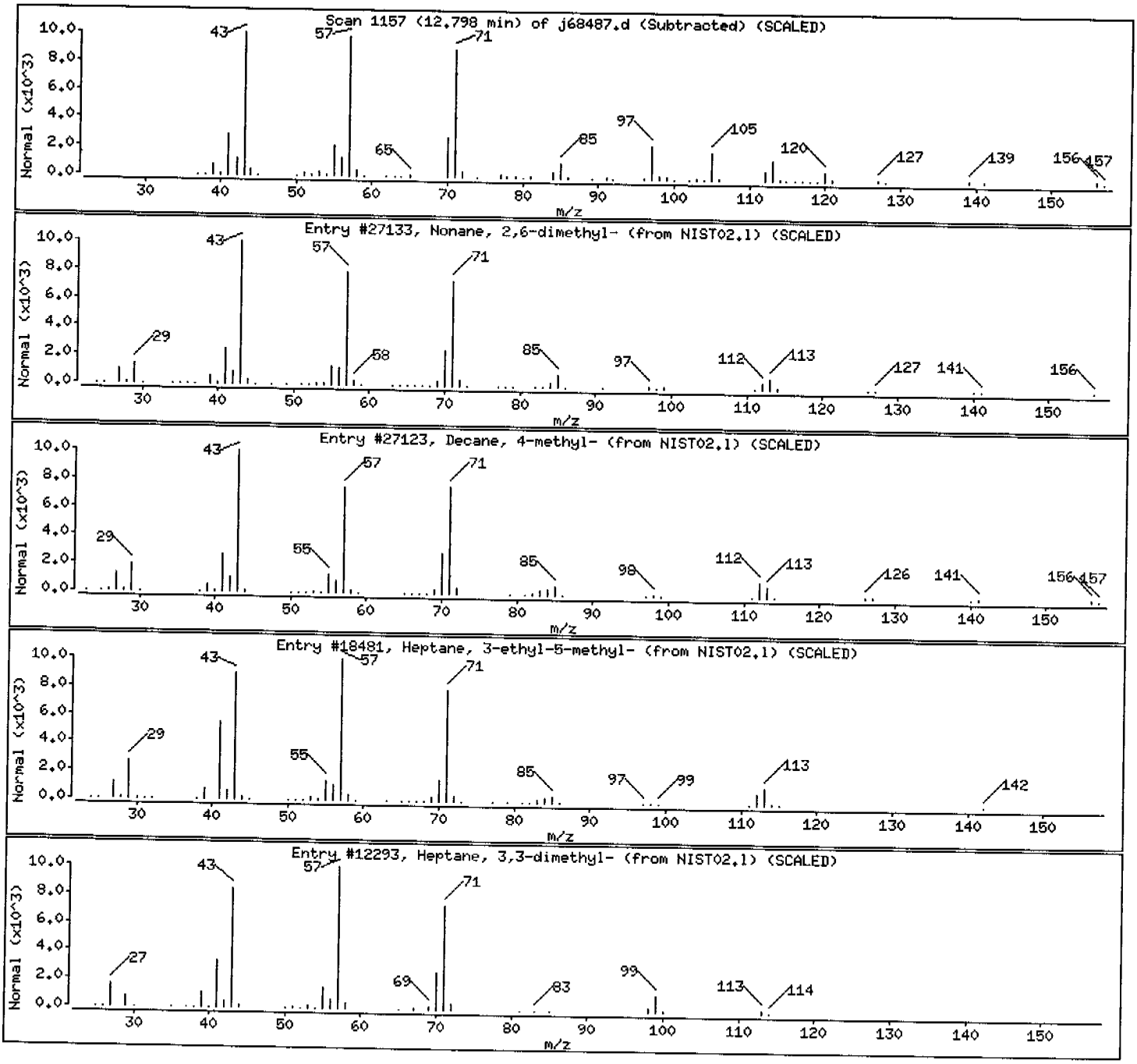
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Nonane, 2,6-dimethyl-	17302-28-2	NIST02.l	27133	72	C11H24	156
Decane, 4-methyl-	2847-72-5	NIST02.l	27123	59	C11H24	156
Heptane, 3-ethyl-5-methyl-	52896-90-9	NIST02.l	18481	59	C10H22	142
Heptane, 3,3-dimethyl-	4032-86-4	NIST02.l	12293	53	C9H20	128



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Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

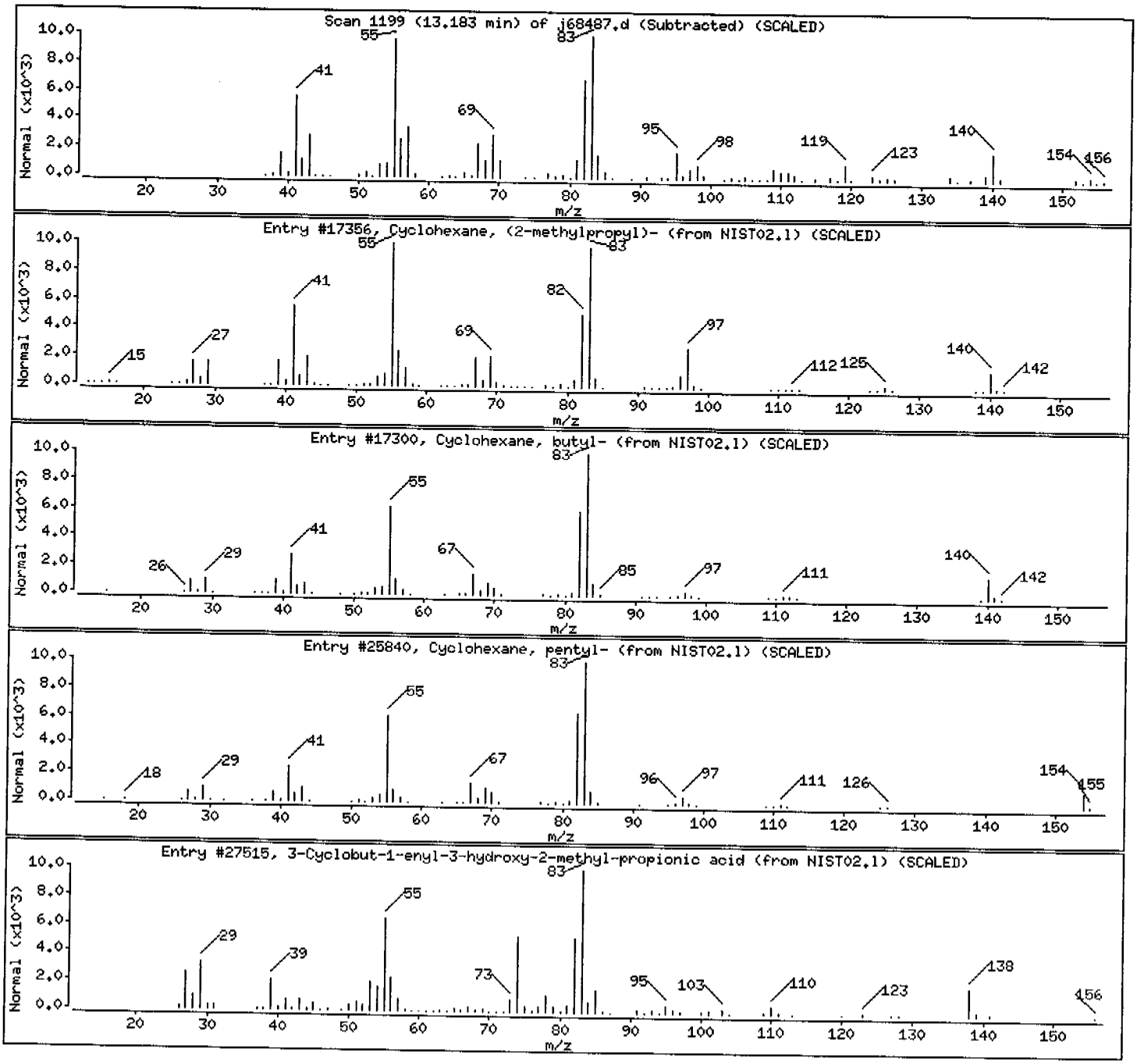
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
Cyclohexane, (2-methylpropyl)-	1678-98-4	NIST02.1	17356	83	C10H20	140
Cyclohexane, butyl-	1678-93-9	NIST02.1	17300	81	C10H20	140
Cyclohexane, pentyl-	4292-92-6	NIST02.1	25840	68	C11H22	154
3-Cyclobut-1-enyl-3-hydroxy-2-methyl-pro	1000186-72-4	NIST02.1	27515	64	C8H12O3	156



Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d

Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

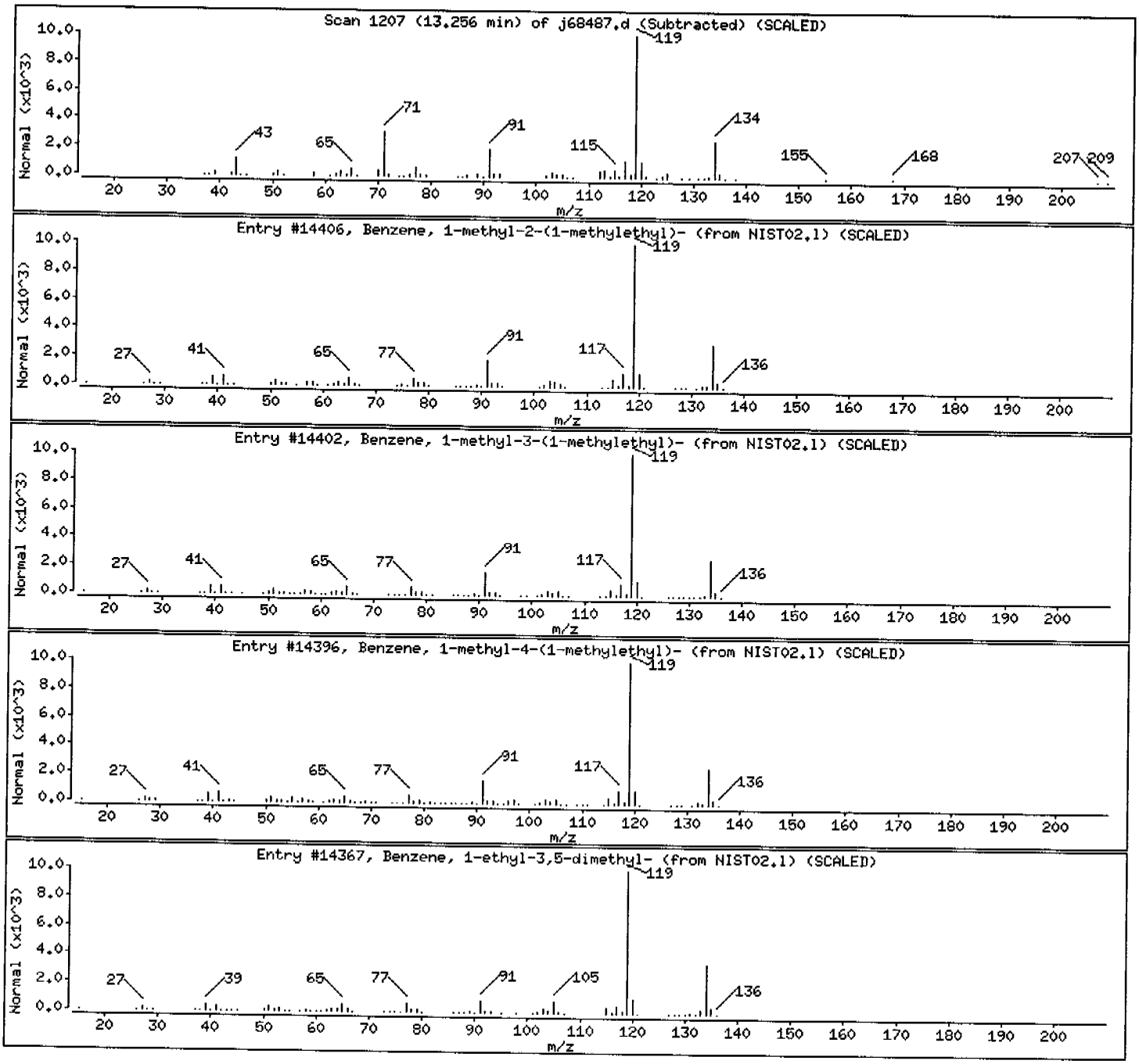
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyldimethylbenzene isomer						
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	93	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14402	93	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST02.l	14396	81	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST02.l	14367	68	C10H14	134



Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d

Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

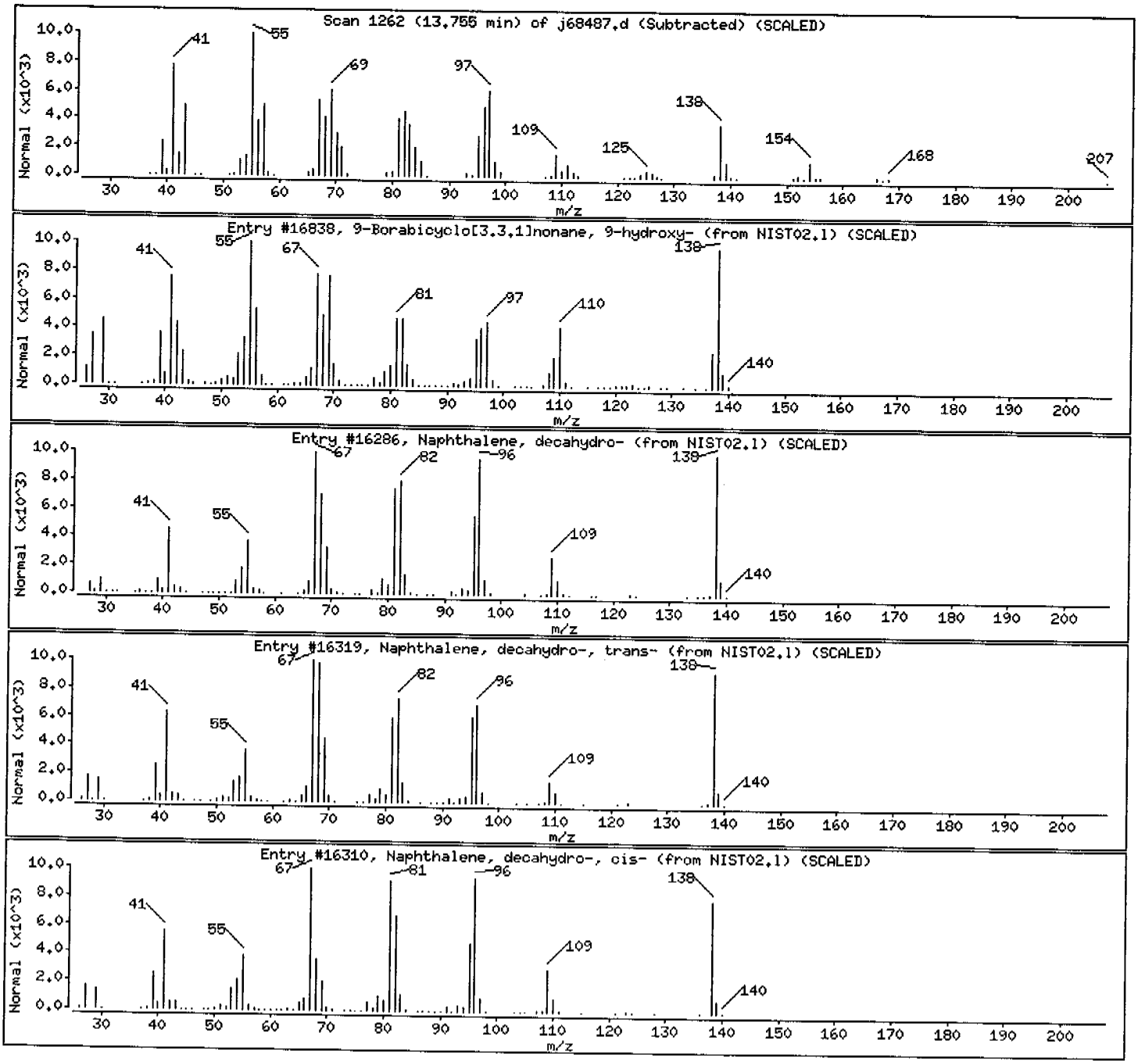
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
9-Borabicyclo[3.3.1]nonane, 9-hydroxy-	63366-65-4	NIST02.l	16838	68	C8H15BO	138
Naphthalene, decahydro-	91-17-8	NIST02.l	16286	64	C10H18	138
Naphthalene, decahydro-, trans-	493-02-7	NIST02.l	16319	58	C10H18	138
Naphthalene, decahydro-, cis-	493-01-6	NIST02.l	16310	50	C10H18	138



Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d

Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

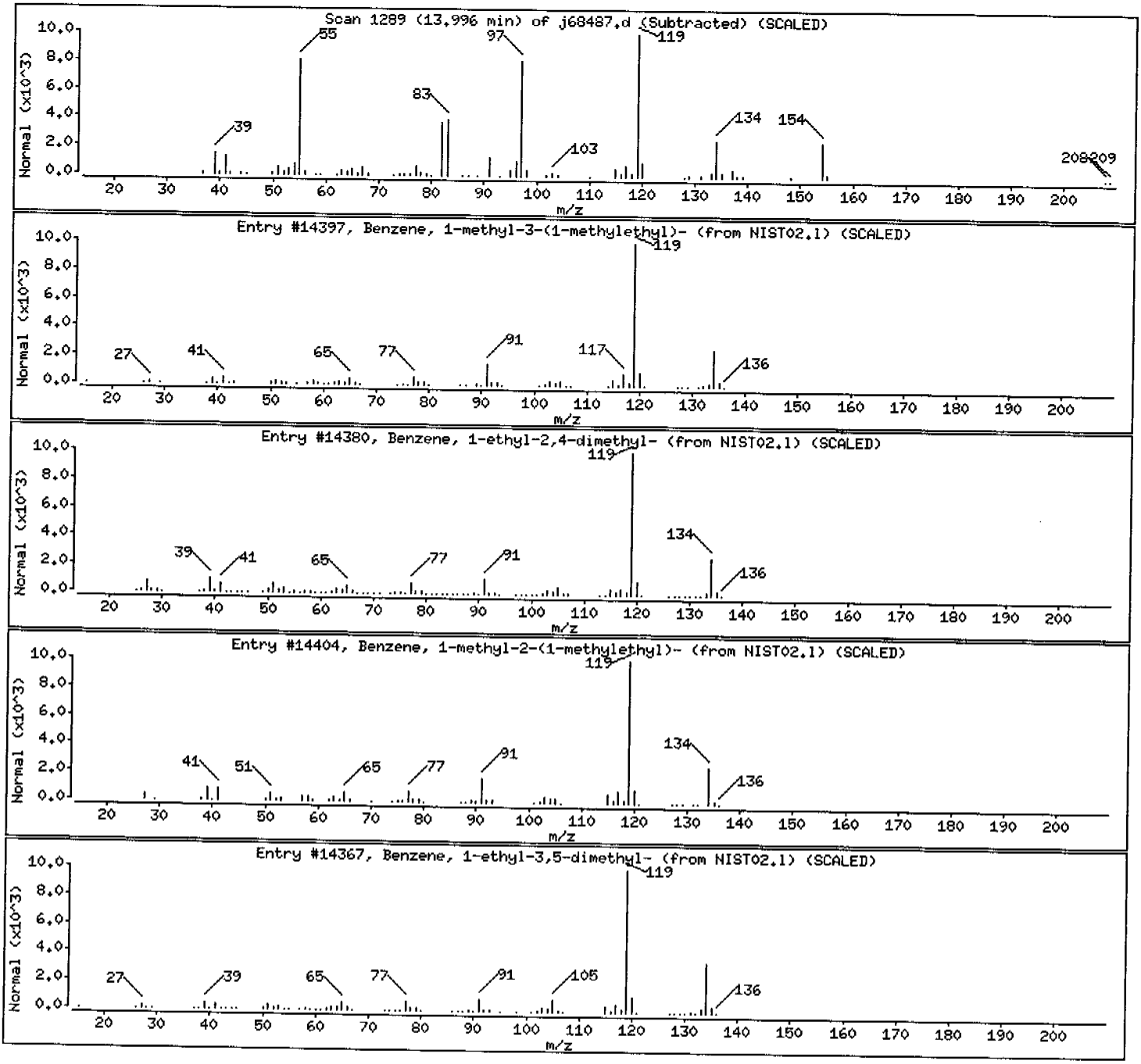
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyldimethylbenzene isomer/Unknown						
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14397	38	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST02.l	14380	38	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14404	38	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST02.l	14367	38	C10H14	134



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Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

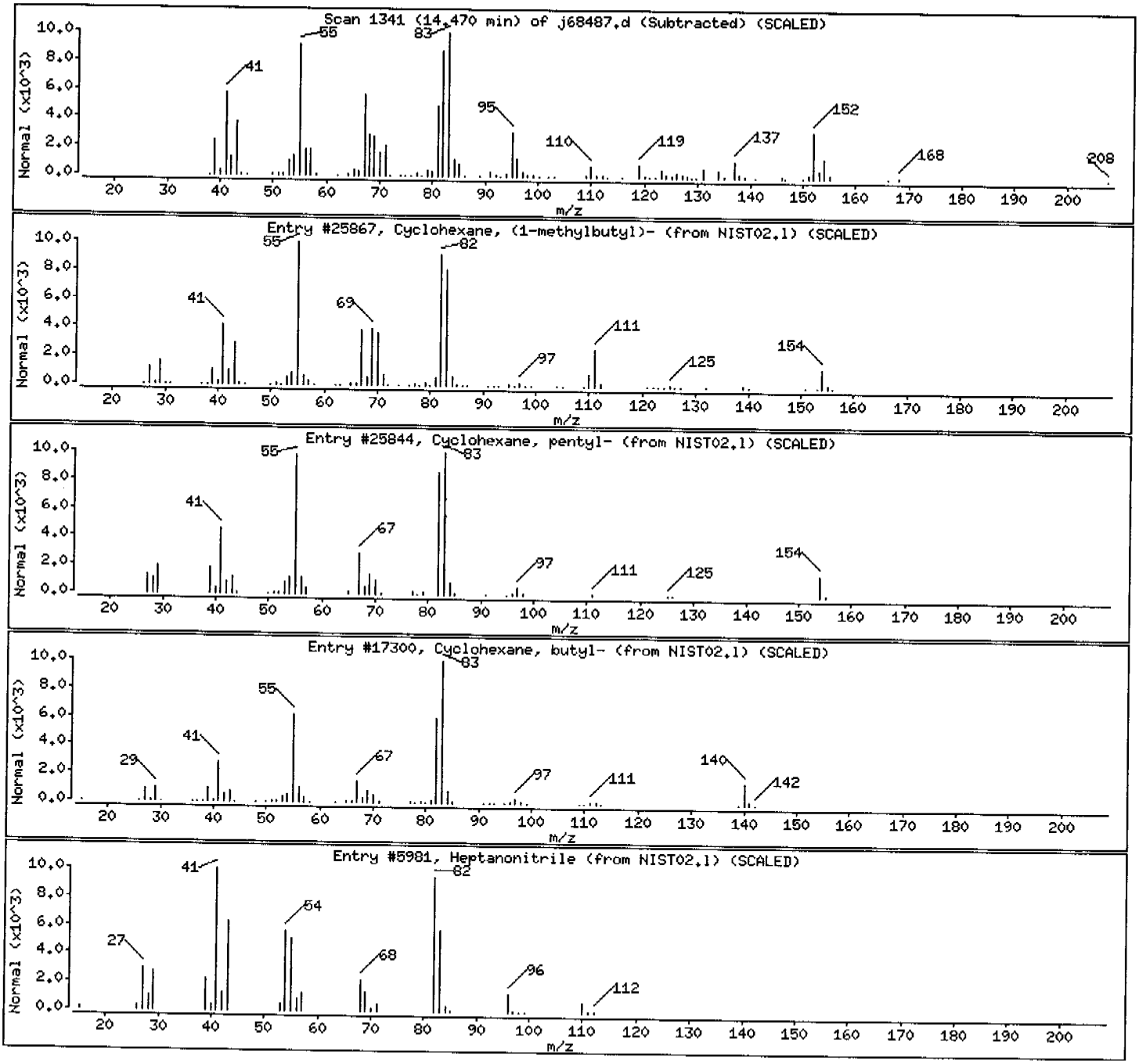
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Cycloalkane						
Cyclohexane, (1-methylbutyl)-	61208-94-4	NIST02.l	25867	52	C11H22	154
Cyclohexane, pentyl-	4292-92-6	NIST02.l	25844	52	C11H22	154
Cyclohexane, butyl-	1678-93-9	NIST02.l	17300	47	C10H20	140
Heptanonitrile	629-08-3	NIST02.l	5981	38	C7H13N	111



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Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

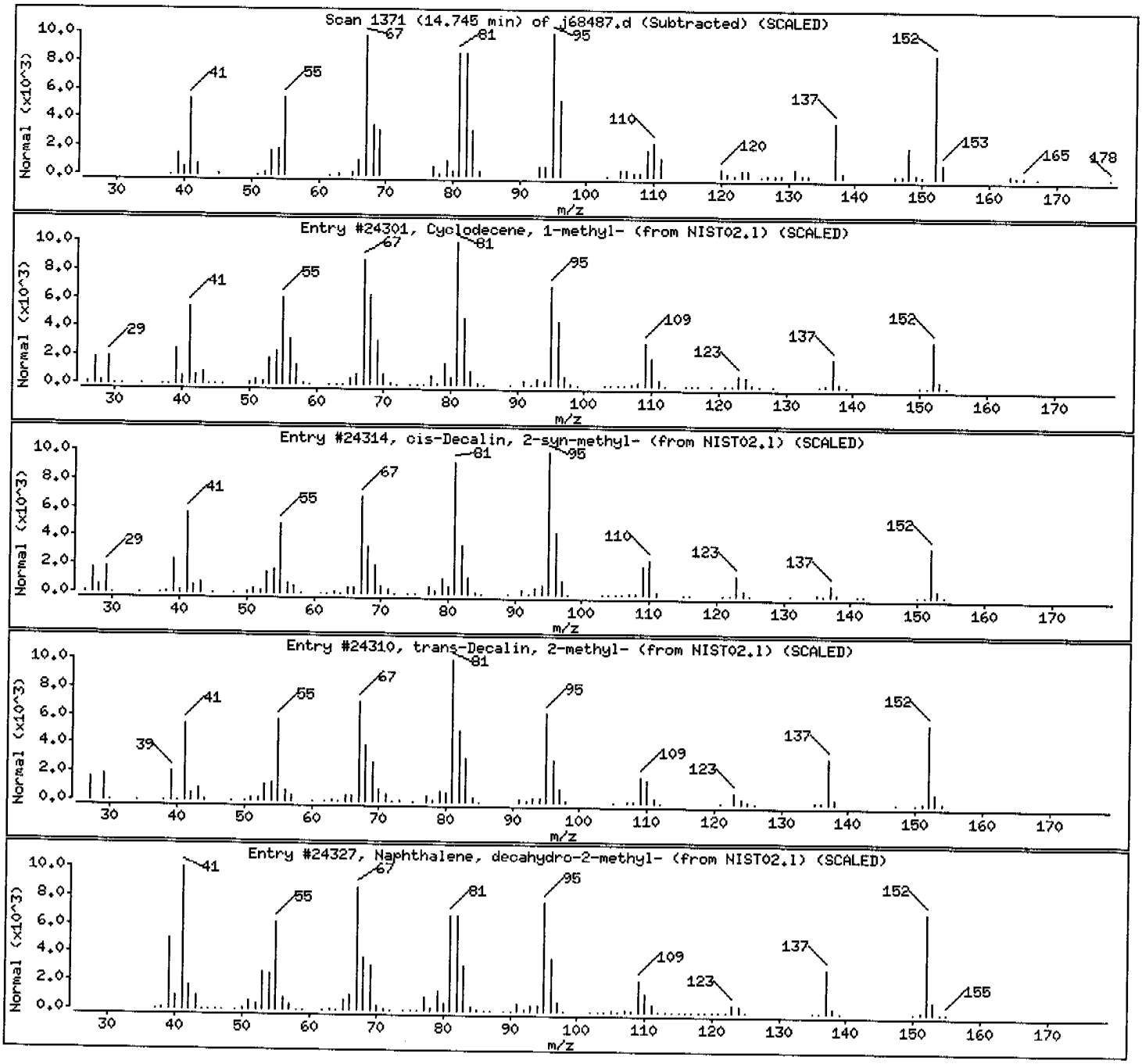
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Cyclodecene, 1-methyl-	66633-38-3	NIST02.1	24301	81	C11H20	152
cis-Decalin, 2-syn-methyl-	1000155-85-6	NIST02.1	24314	76	C11H20	152
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.1	24310	68	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.1	24327	64	C11H20	152



Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68487.d

Date : 01-SEP-2006 15:07

Client ID: B101-SS01

Instrument: VOAMS8.i

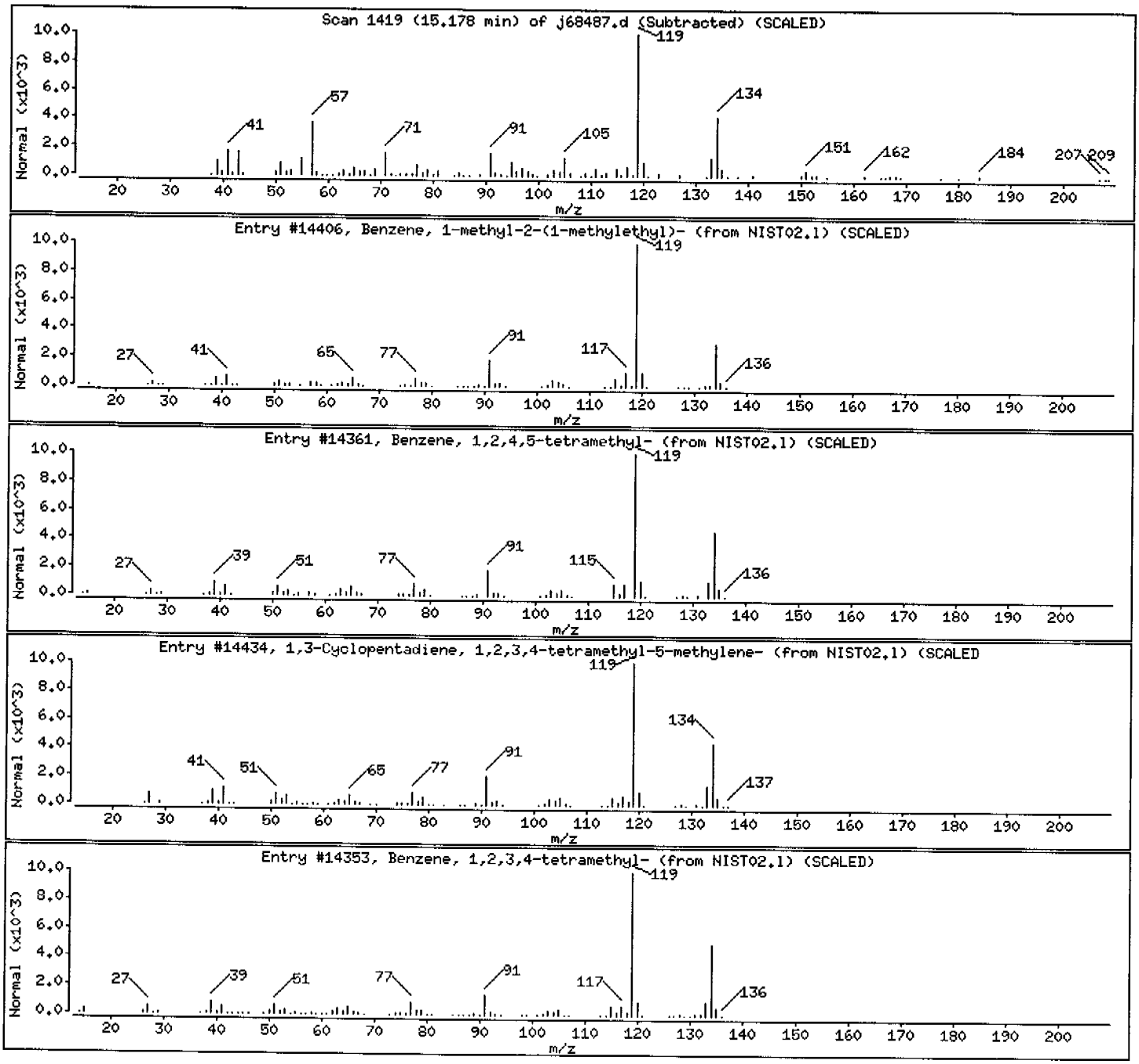
Sample Info: 765429;50;;5.04;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetramethylbenzene isomer						
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	94	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.l	14361	91	C10H14	134
1,3-Cyclopentadiene, 1,2,3,4-tetramethyl	76089-59-3	NIST02.l	14434	91	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.l	14353	91	C10H14	134



Client ID: **B101-SS02**
Site: Sun Chemical SI

Lab Sample No: **765430**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68488.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	540
Bromomethane	ND	540
Vinyl Chloride	ND	540
Chloroethane	ND	540
Methylene Chloride	ND	320
Acetone	ND	540
Carbon Disulfide	ND	540
1,1-Dichloroethene	ND	220
1,1-Dichloroethane	ND	540
trans-1,2-Dichloroethene	ND	540
cis-1,2-Dichloroethene	ND	540
Chloroform	ND	540
1,2-Dichloroethane	ND	220
2-Butanone	ND	540
1,1,1-Trichloroethane	ND	540
Carbon Tetrachloride	ND	220
Bromodichloromethane	ND	110
1,2-Dichloropropane	ND	110
cis-1,3-Dichloropropene	ND	540
Trichloroethene	ND	110
Dibromochloromethane	ND	540
1,1,2-Trichloroethane	ND	320
Benzene	ND	110
trans-1,3-Dichloropropene	ND	540
Bromoform	ND	430
4-Methyl-2-Pentanone	ND	540
2-Hexanone	ND	540
Tetrachloroethene	ND	110
1,1,2,2-Tetrachloroethane	ND	110
Toluene	ND	540
Chlorobenzene	ND	540
Ethylbenzene	ND	430
Styrene	ND	540
Xylene (Total)	ND	540

Client ID: **B101-SS02**
Site: Sun Chemical SI

Lab Sample No: **765430**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68488.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	12.53	4600	
2.	Unknown Alkane	12.81	3400	
3.	C10H20 Cycloalkane	13.20	4300	
4.	Coeluting Unknowns	13.76	7100	
5.	C11H22 Cycloalkane	14.47	5100	
6.	Decahydromethylnaphthalene isomer	14.74	1500	
7.	Tetramethylbenzene isomer	15.18	5300	
8.	C12H24 Cycloalkane	15.95	4600	
9.	Unknown	16.44	2200	
10.	Unknown	17.84	2100	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 40200

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68488.d
Report Date: 06-Sep-2006 11:39

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

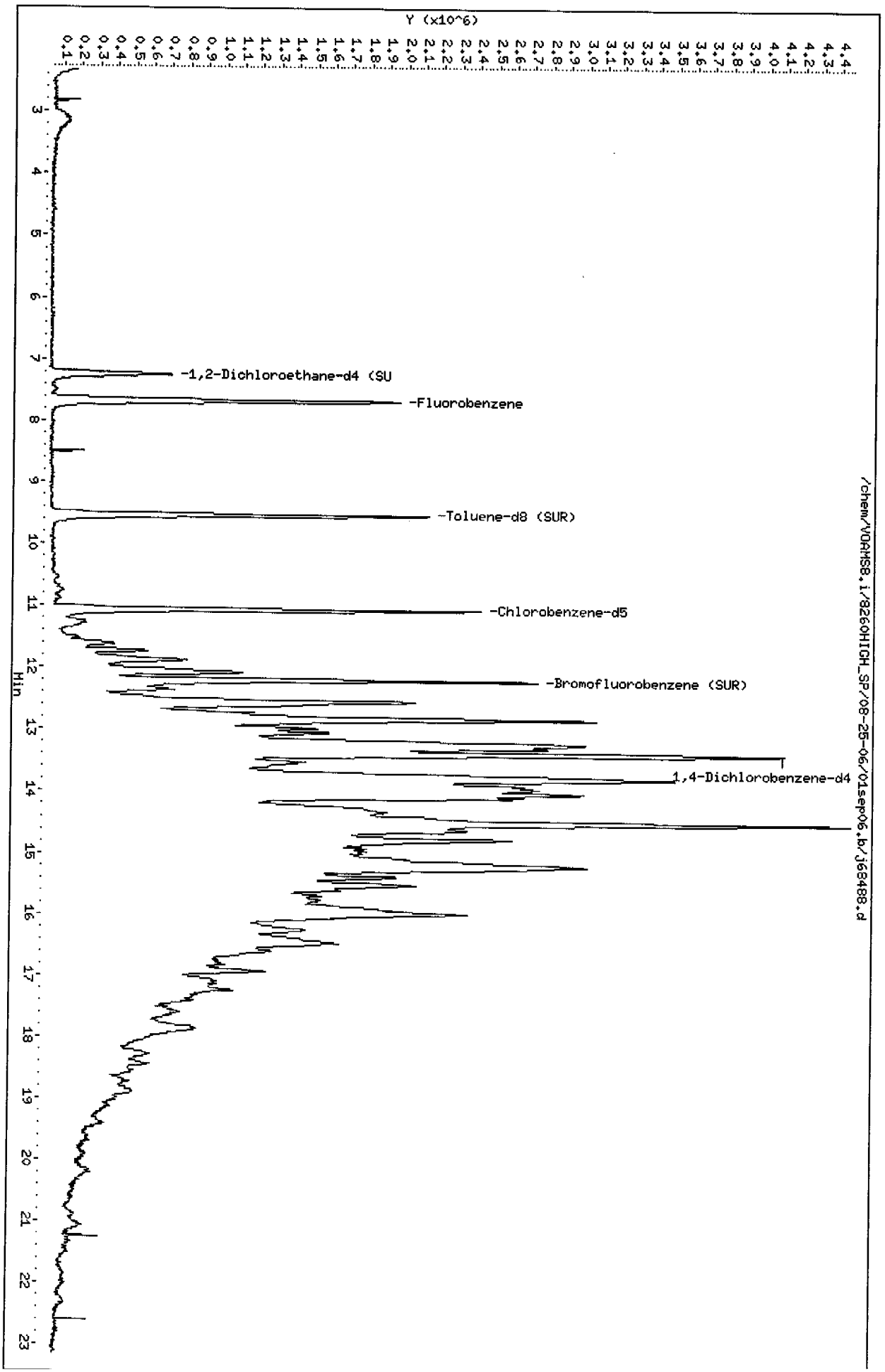
Data file : /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68488.d
Lab Smp Id: 765430 Client Smp ID: B101-SS02
Inj Date : 01-SEP-2006 15:36
Operator : VOAMS 4 Inst ID: VOAMS8.i
Smp Info : 765430;50;;5.30;10
Misc Info : W345;0742;;LD
Comment :
Method : /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/8260H_05.m
Meth Date : 01-Sep-2006 08:46 lily Quant Type: ISTD
Cal Date : 25-AUG-2006 12:37 Cal File: j68330.d
Als bottle: 16
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.30000	Weight of sample extracted (g)
M	12.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.240	7.233	(0.944)	942326	52.9463	5700
* 19 Fluorobenzene	96	7.666	7.652	(1.000)	4114841	50.0000	
$ 37 Toluene-d8 (SUR)	98	9.529	9.519	(0.862)	2944372	55.3359	6000
* 32 Chlorobenzene-d5	117	11.051	11.041	(1.000)	3026152	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	12.186	12.176	(0.913)	1341736	55.9753	6000
* 91 1,4-Dichlorobenzene-d4	152	13.354	13.345	(1.000)	1487793	50.0000	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Date : 01-SEP-2006 15:36
Client ID: B101-SS02
Sample Info: 765430;50;;5,30;10
Column phase: DB624
Instrument: VOAMS8.i
Operator: VOAMS 4
Column diameter: 0.53
Y (x10^6)
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68488.d
Min

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68488.d

Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

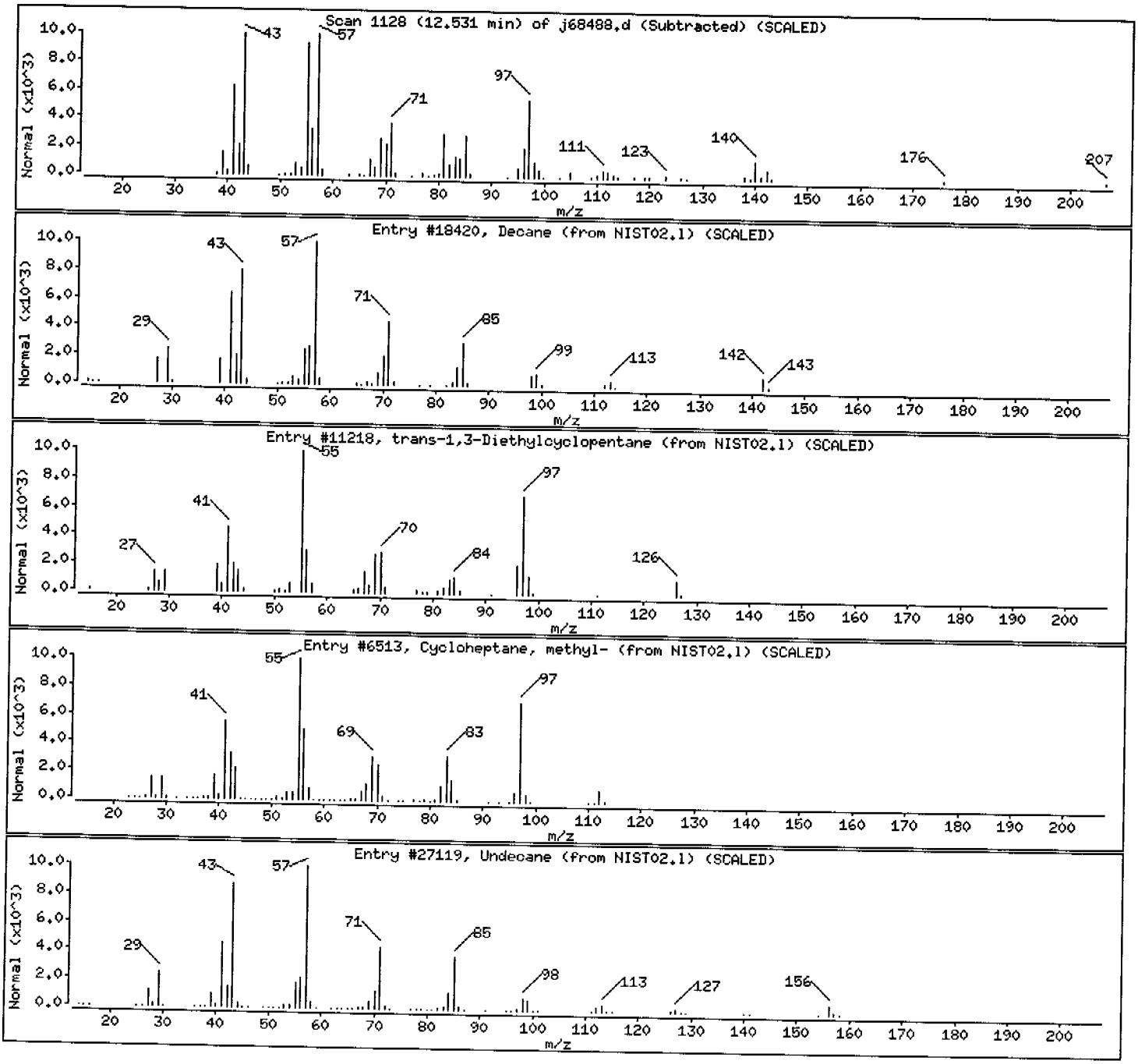
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane						
Decane	124-18-5	NIST02.l	18420	79	C10H22	142
trans-1,3-Diethylcyclopentane	1000113-87-1	NIST02.l	11218	45	C9H18	126
Cycloheptane, methyl-	4126-78-7	NIST02.l	6513	45	C8H16	112
Undecane	1120-21-4	NIST02.l	27119	43	C11H24	156



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Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

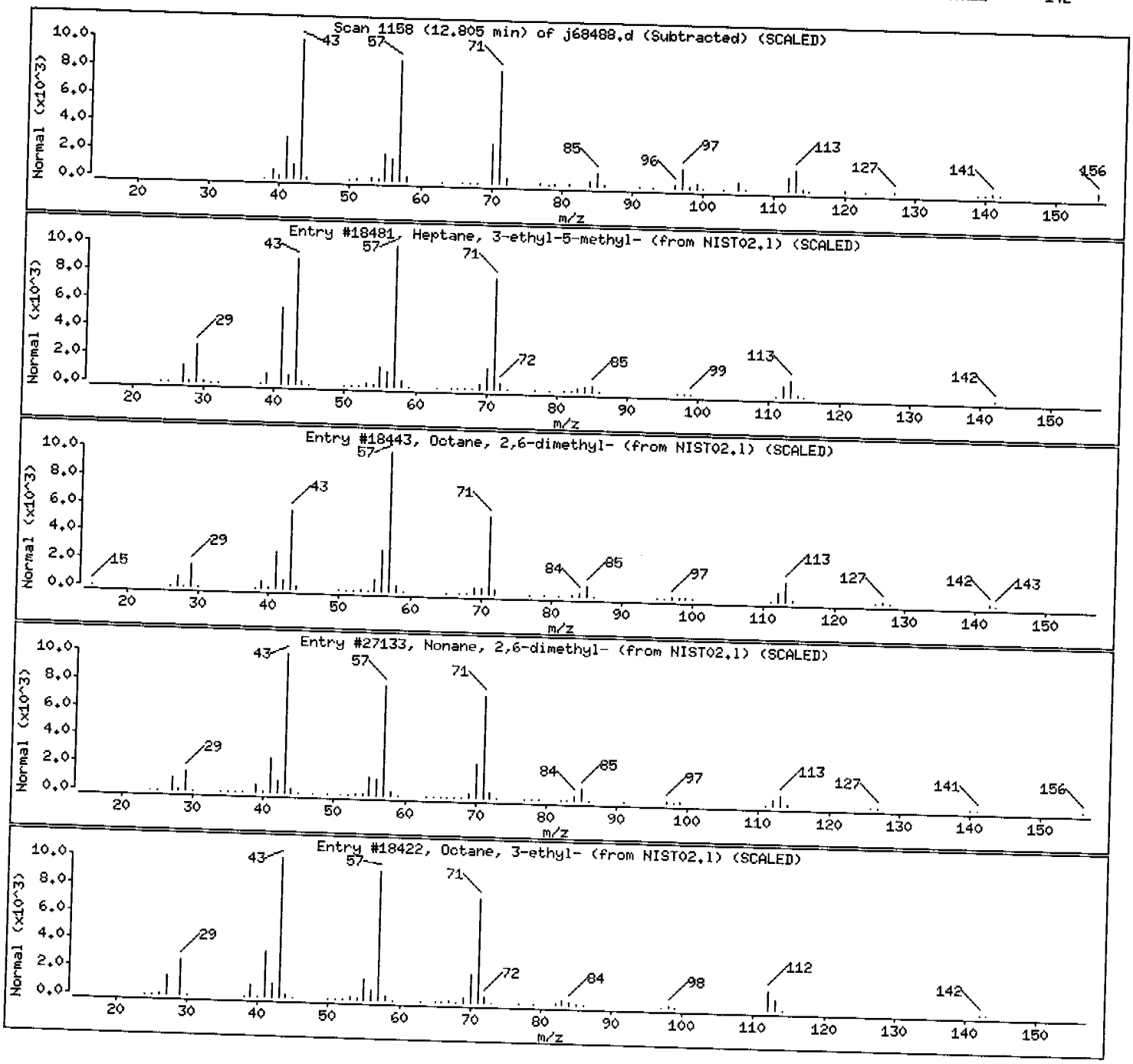
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptane, 3-ethyl-5-methyl-	52896-90-9	NIST02.l	18481	87	C10H22	142
Octane, 2,6-dimethyl-	2051-30-1	NIST02.l	18443	80	C10H22	142
Nonane, 2,6-dimethyl-	17302-28-2	NIST02.l	27133	78	C11H24	156
Octane, 3-ethyl-	5881-17-4	NIST02.l	18422	74	C10H22	142



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Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

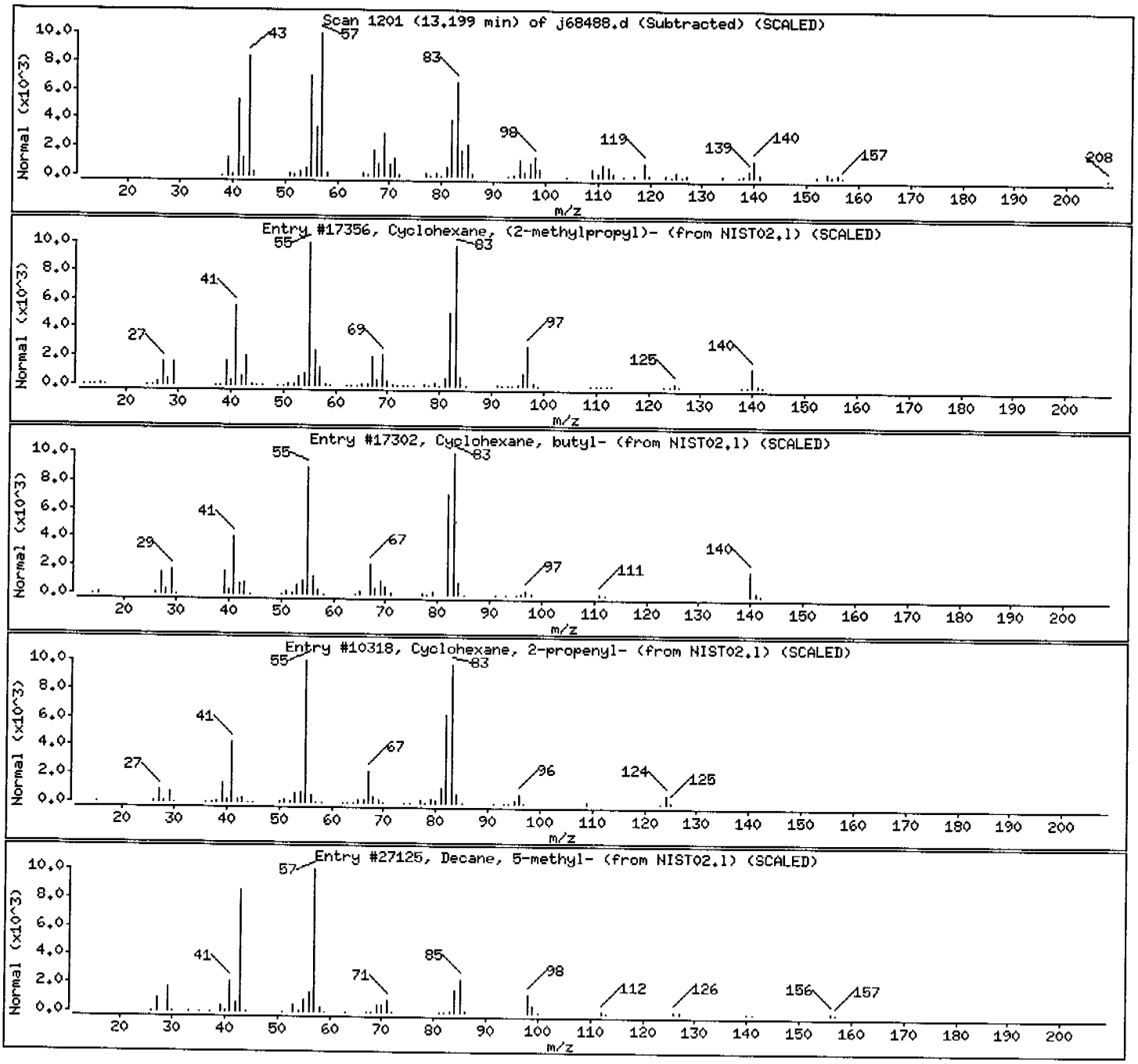
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
Cyclohexane, (2-methylpropyl)-	1678-98-4	NIST02.l	17356	46	C10H20	140
Cyclohexane, butyl-	1678-93-9	NIST02.l	17302	43	C10H20	140
Cyclohexane, 2-propenyl-	2114-42-3	NIST02.l	10318	38	C9H16	124
Decane, 5-methyl-	13151-35-4	NIST02.l	27125	35	C11H24	156



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Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

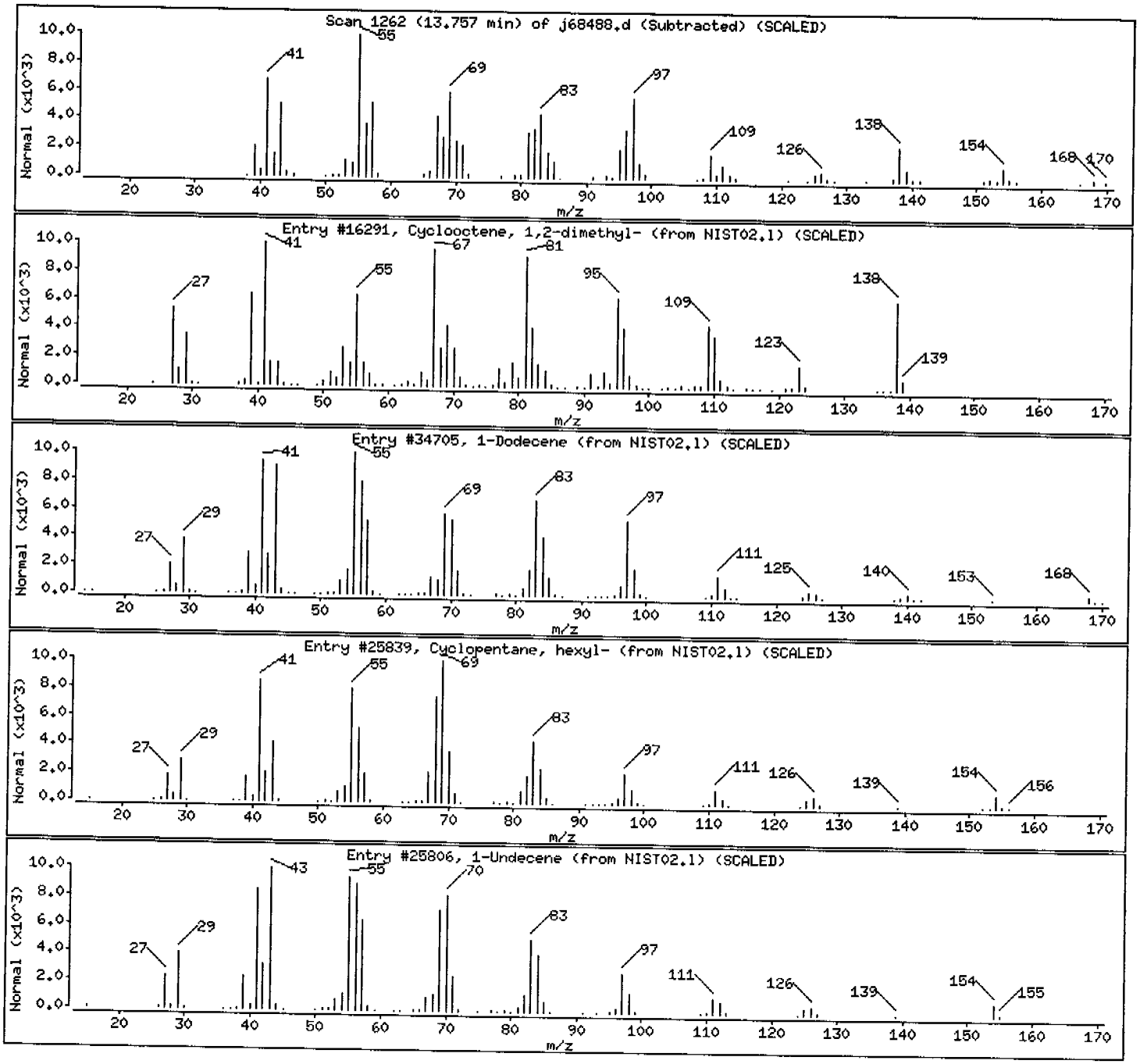
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Unknowns						
Cyclooctene, 1,2-dimethyl-	54299-96-6	NIST02.1	16291	38	C10H18	138
1-Dodecene	112-41-4	NIST02.1	34705	38	C12H24	168
Cyclopentane, hexyl-	4457-00-5	NIST02.1	25839	35	C11H22	154
1-Undecene	821-95-4	NIST02.1	25806	30	C11H22	154



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Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

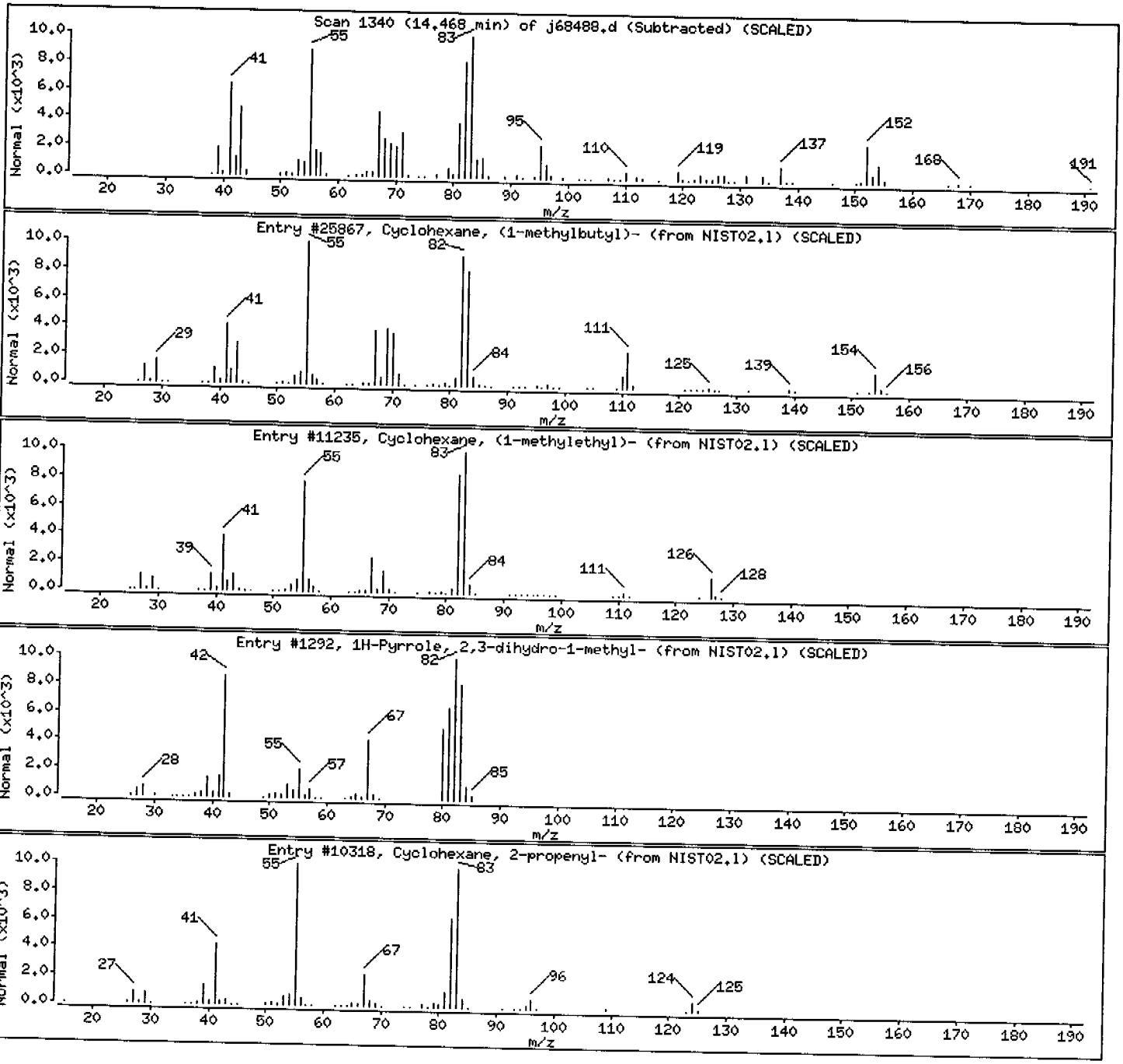
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H22 Cycloalkane						
Cyclohexane, (1-methylbutyl)-	61208-94-4	NIST02.l	25867	64	C11H22	154
Cyclohexane, (1-methylethyl)-	696-29-7	NIST02.l	11235	58	C9H18	126
1H-Pyrrole, 2,3-dihydro-1-methyl-	33838-11-8	NIST02.l	1292	53	C5H9N	83
Cyclohexane, 2-propenyl-	2114-42-3	NIST02.l	10318	53	C9H16	124



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Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

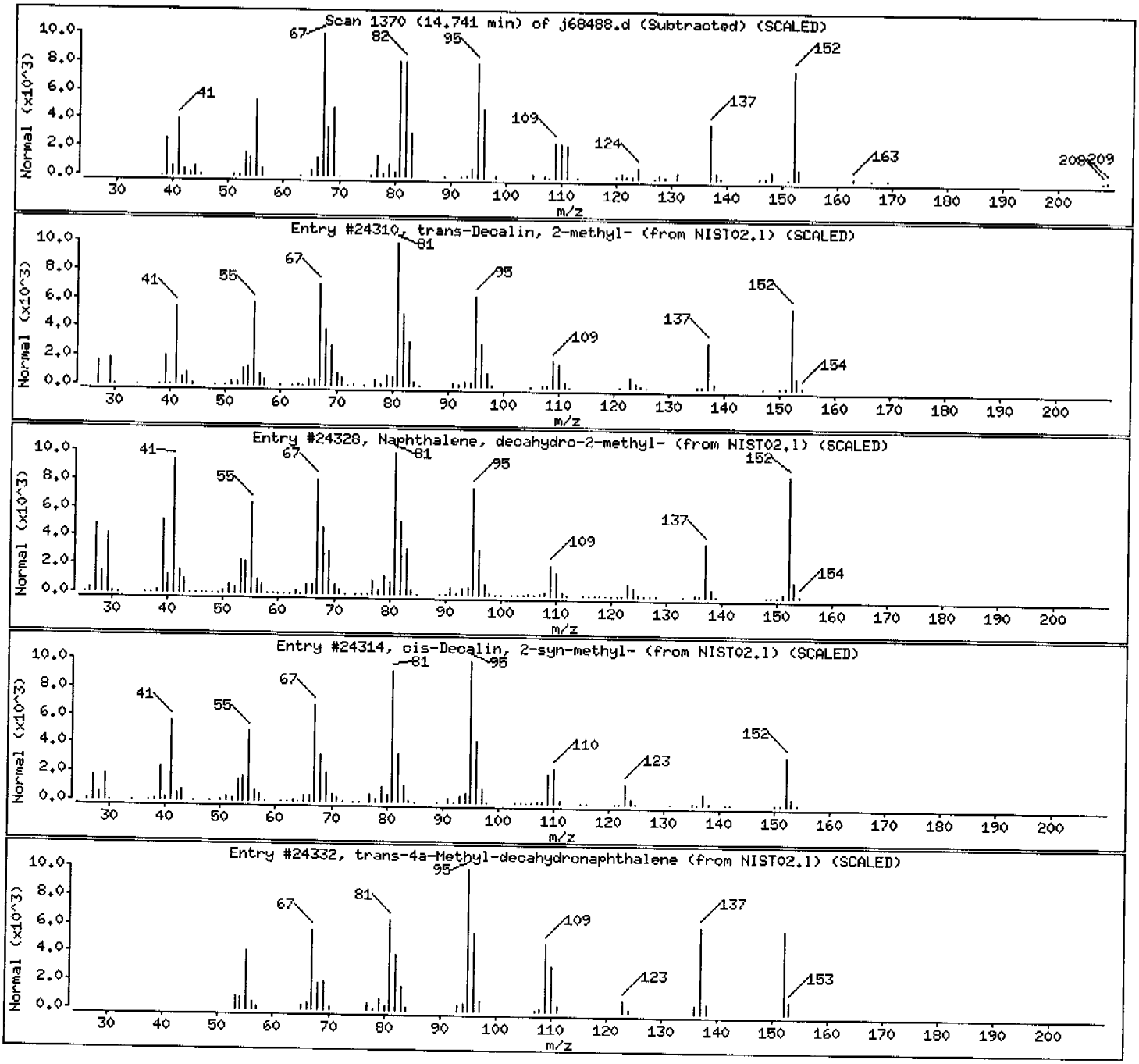
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	81	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	76	C11H20	152
cis-Decalin, 2-syn-methyl-	1000155-85-6	NIST02.l	24314	68	C11H20	152
trans-4a-Methyl-decahydronaphthalene	2547-27-5	NIST02.l	24332	64	C11H20	152



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Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

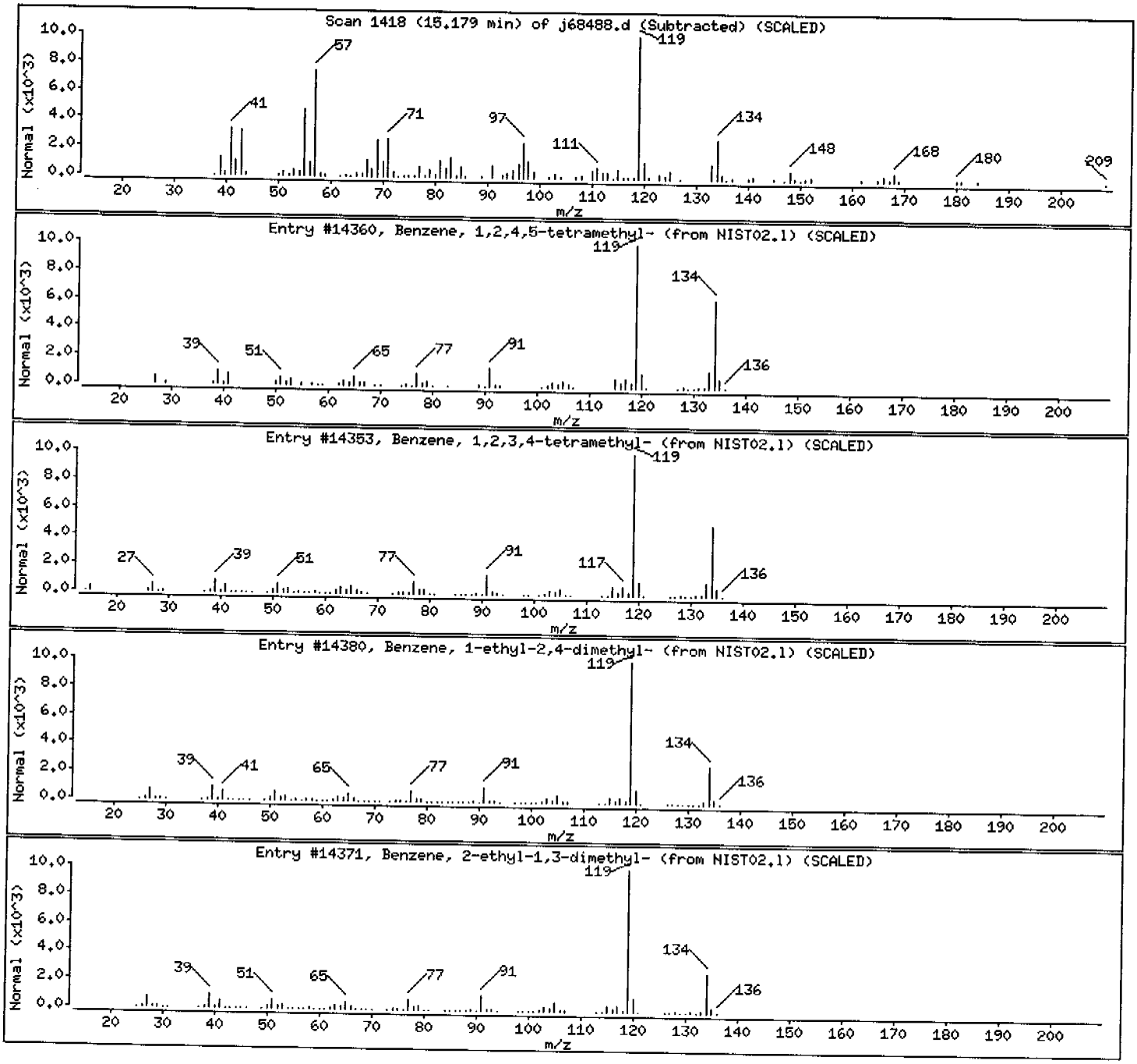
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetramethylbenzene isomer						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.l	14360	49	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.l	14353	49	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST02.l	14380	49	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NIST02.l	14371	49	C10H14	134



Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68488.d

Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

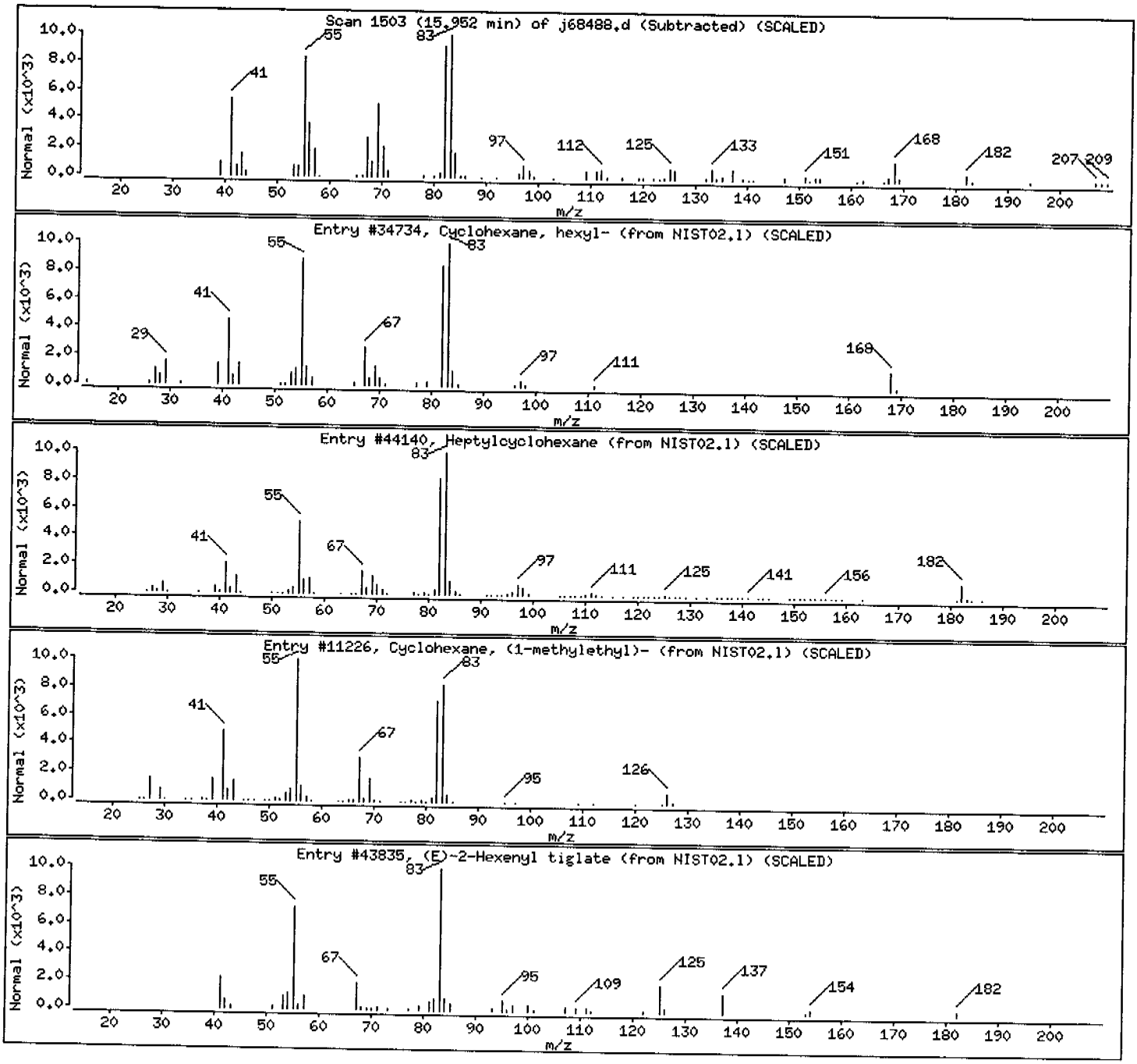
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C12H24 Cycloalkane						
Cyclohexane, hexyl-	4292-75-5	NIST02.l	34734	80	C12H24	168
Heptylcyclohexane	5617-41-4	NIST02.l	44140	74	C13H26	182
Cyclohexane, (1-methylethyl)-	696-29-7	NIST02.l	11226	49	C9H18	126
(E)-2-Hexenyl tiglate	1000131-83-6	NIST02.l	43835	43	C11H1802	182



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Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

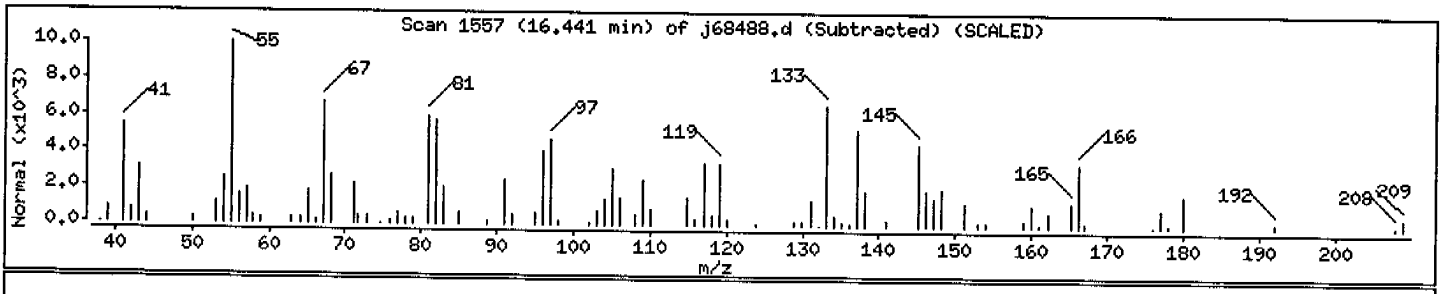
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68488.d

Date : 01-SEP-2006 15:36

Client ID: B101-SS02

Instrument: VOAMS8.i

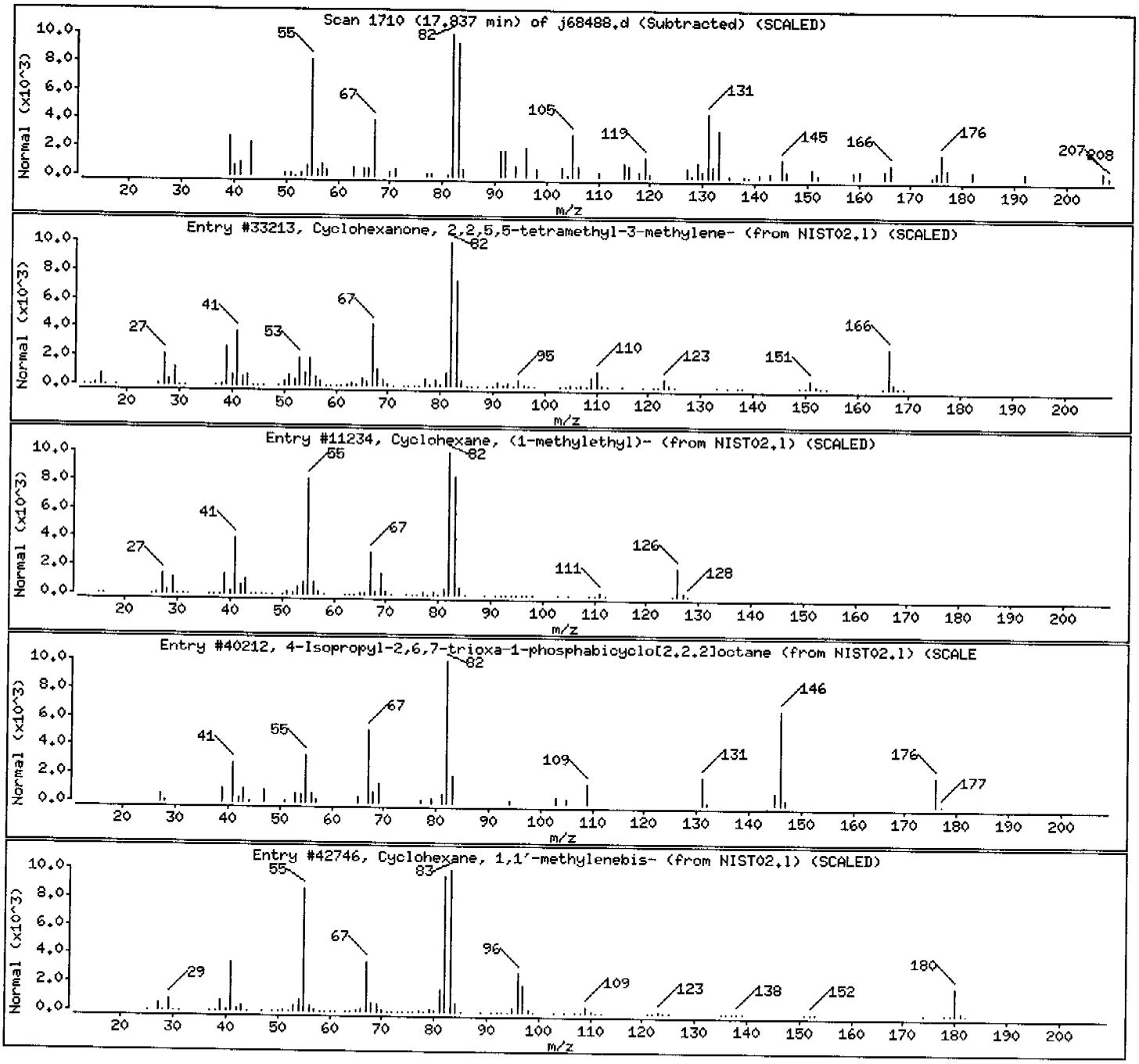
Sample Info: 765430;50;;5.30;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexanone, 2,2,5,5-tetramethyl-3-met	35505-97-6	NIST02.l	33213	50	C11H18O	166
Cyclohexane, (1-methylethyl)-	696-29-7	NIST02.l	11234	47	C9H18	126
4-Isopropyl-2,6,7-trioxa-1-phosphabicycl	51486-55-6	NIST02.l	40212	43	C7H13O3P	176
Cyclohexane, 1,1'-methylenebis-	3178-23-2	NIST02.l	42746	42	C13H24	180



Client ID: **B101-SS03**
Site: Sun Chemical SI

Lab Sample No: **765431**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08805.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.2 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.9
Bromomethane	ND	6.9
Vinyl Chloride	ND	6.9
Chloroethane	ND	6.9
Methylene Chloride	ND	4.1
Acetone	100 B	6.9
Carbon Disulfide	ND	6.9
1,1-Dichloroethene	ND	2.7
1,1-Dichloroethane	ND	6.9
trans-1,2-Dichloroethene	ND	6.9
cis-1,2-Dichloroethene	ND	6.9
Chloroform	ND	6.9
1,2-Dichloroethane	ND	2.7
2-Butanone	ND	6.9
1,1,1-Trichloroethane	ND	6.9
Carbon Tetrachloride	ND	2.7
Bromodichloromethane	ND	1.4
1,2-Dichloropropane	ND	1.4
cis-1,3-Dichloropropene	ND	6.9
Trichloroethene	ND	1.4
Dibromochloromethane	ND	6.9
1,1,2-Trichloroethane	ND	4.1
Benzene	ND	1.4
trans-1,3-Dichloropropene	ND	6.9
Bromoform	ND	5.5
4-Methyl-2-Pentanone	ND	6.9
2-Hexanone	ND	6.9
Tetrachloroethene	ND	1.4
1,1,2,2-Tetrachloroethane	ND	1.4
Toluene	ND	6.9
Chlorobenzene	ND	6.9
Ethylbenzene	ND	5.5
Styrene	ND	6.9
Xylene (Total)	ND	6.9

Client ID: **B101-SS03**
Site: Sun Chemical SI

Lab Sample No: **765431**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08805.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.2 g
Purge Volume: 5.0 ml
% Moisture: 12.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Decahydromethylnaphthalene isomer	10.06	87	
2.	Decahydromethylnaphthalene isomer	10.25	74	
3.	Unknown	10.77	53	
4.	C10H14 Aromatic/Unknown	10.84	59	
5.	Unknown Alkane/Unknown	10.89	73	
6.	Coeluting Aromatics	11.12	29	
7.	Coeluting Aromatics	11.16	96	
8.	Unknown Alkane/Unknown Aromatic	11.36	62	
9.	Tetrahydromethylnaphthalene isomer	11.70	52	
10.	Unknown Alkane/Unknown Aromatic	12.06	60	
11.				
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TOTAL ESTIMATED CONCENTRATION 645

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08805.d
Report Date: 07-Sep-2006 12:13

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08805.d
Lab Smp Id: 765431 Client Smp ID: B101-SS03
Inj Date : 01-SEP-2006 14:41
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765431;;;4.15;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/8260L_05.m
Meth Date : 07-Sep-2006 11:32 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Compound Sublist: HSLVOAv+10.sub

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.15000	Weight of sample extracted (g)
M	12.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

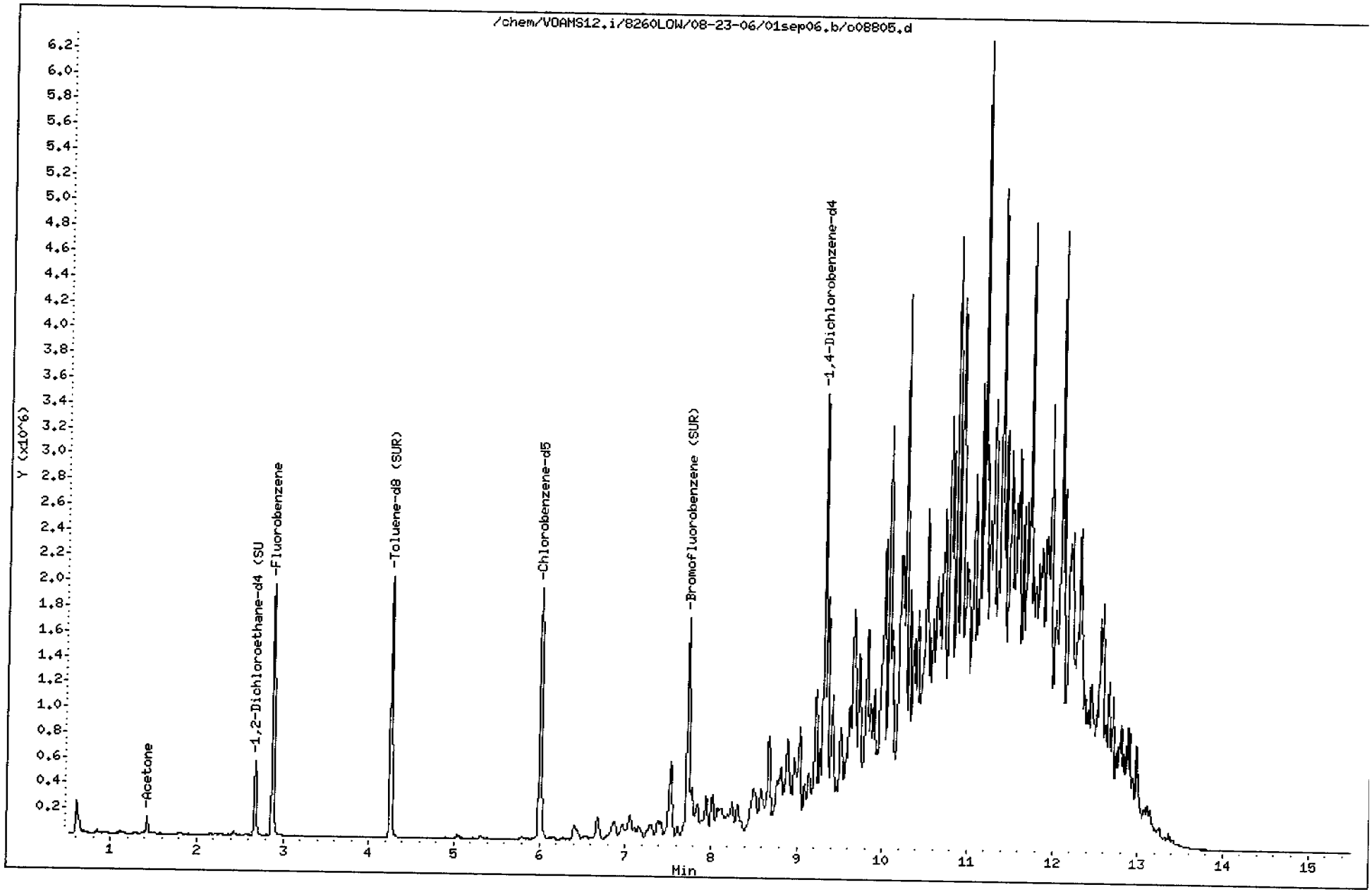
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	1.426	1.426	(0.496)	118062	74.2624	100
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.670	(0.930)	385259	40.7420	56
* 69 Fluorobenzene	96	2.877	2.871	(1.000)	1552349	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.261	4.255	(0.710)	1327682	46.9697	64
* 32 Chlorobenzene-d5	117	6.005	6.005	(1.000)	1238886	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.730	7.724	(0.831)	599341	52.7586	72
* 91 1,4-Dichlorobenzene-d4	152	9.303	9.303	(1.000)	786147	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08805.d
Date : 01-SEP-2006 14:41
Client ID: B101-SS03
Sample Info: 765431;;;4,15;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



261

STL Edison

W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08805.d

Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

Sample Info: 765431;;;4.15;5

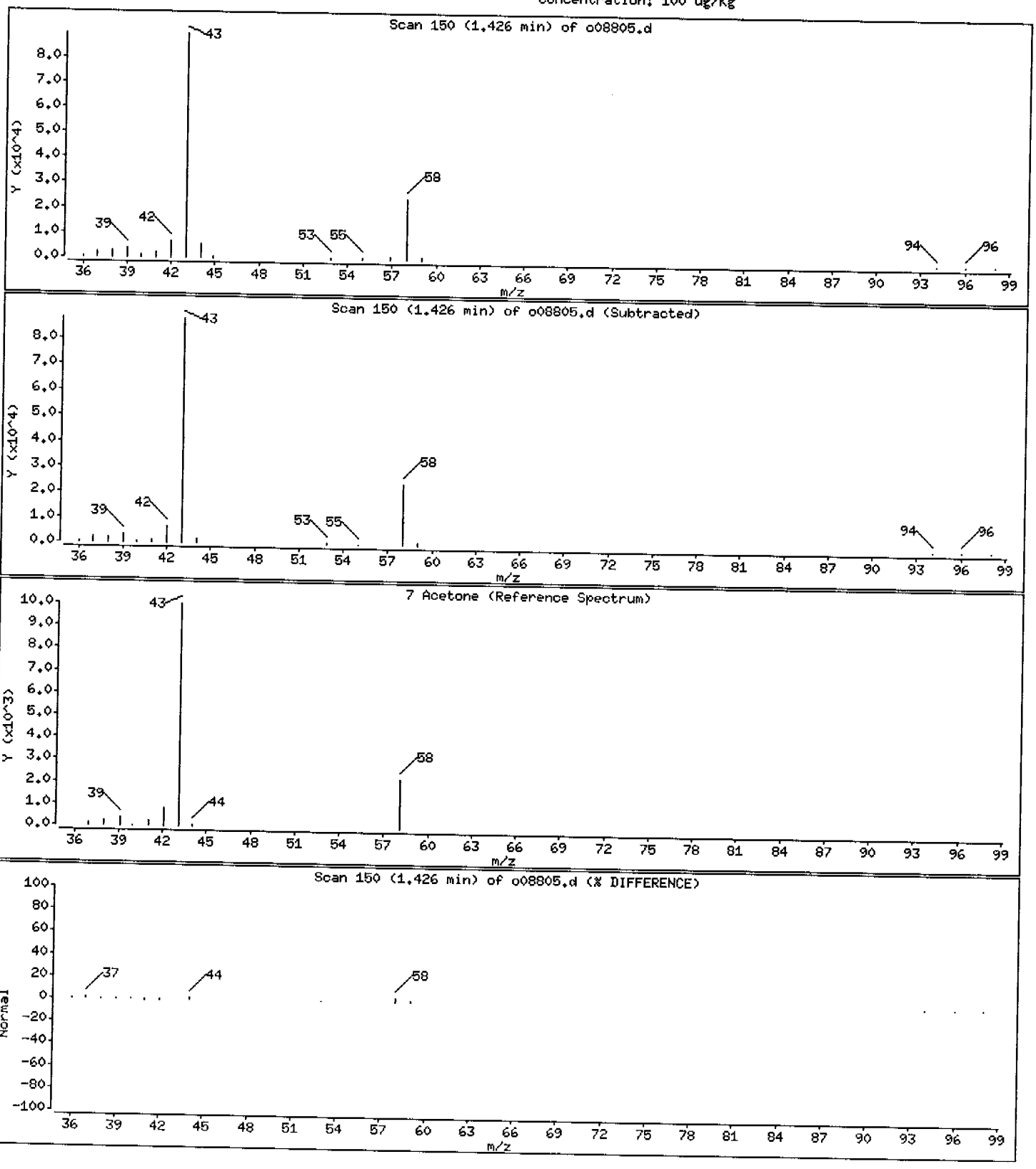
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 100 ug/Kg



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Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

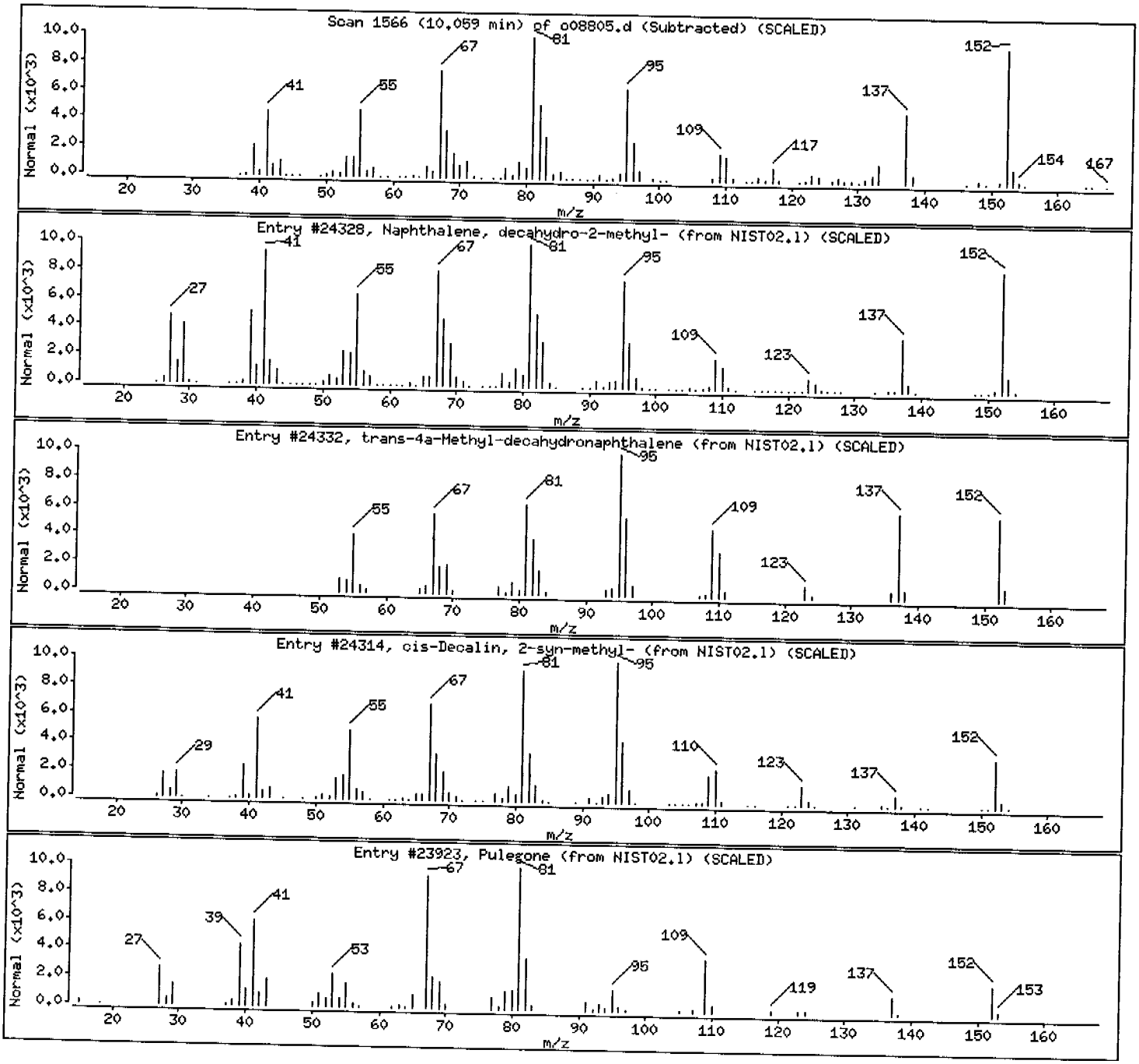
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	95	C11H20	152
trans-4a-Methyl-decahydronaphthalene	2547-27-5	NIST02.l	24332	93	C11H20	152
cis-Decalin, 2-syn-methyl-	1000155-85-6	NIST02.l	24314	90	C11H20	152
Pulegone	89-82-7	NIST02.l	23923	74	C10H160	152



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Date : 01-SEP-2006 14:41

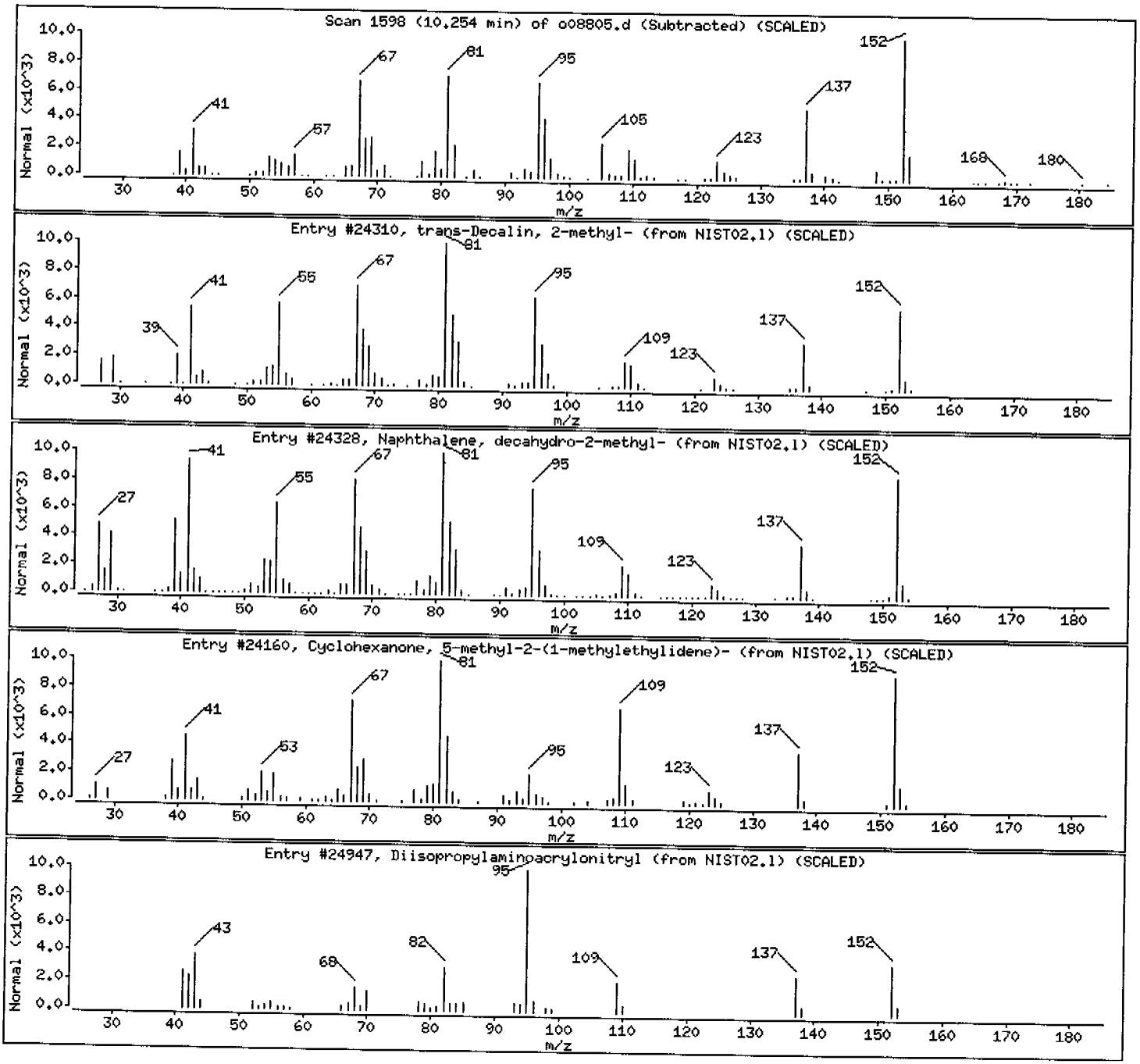
Client ID: B101-SS03 Instrument: VOAMS12.i

Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	91	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	81	C11H20	152
Cyclohexanone, 5-methyl-2-(1-methylethyl	15932-80-6	NIST02.l	24160	64	C10H16O	152
Diisopropylaminoacrylonitryl	38691-28-0	NIST02.l	24947	64	C9H16N2	152



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Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

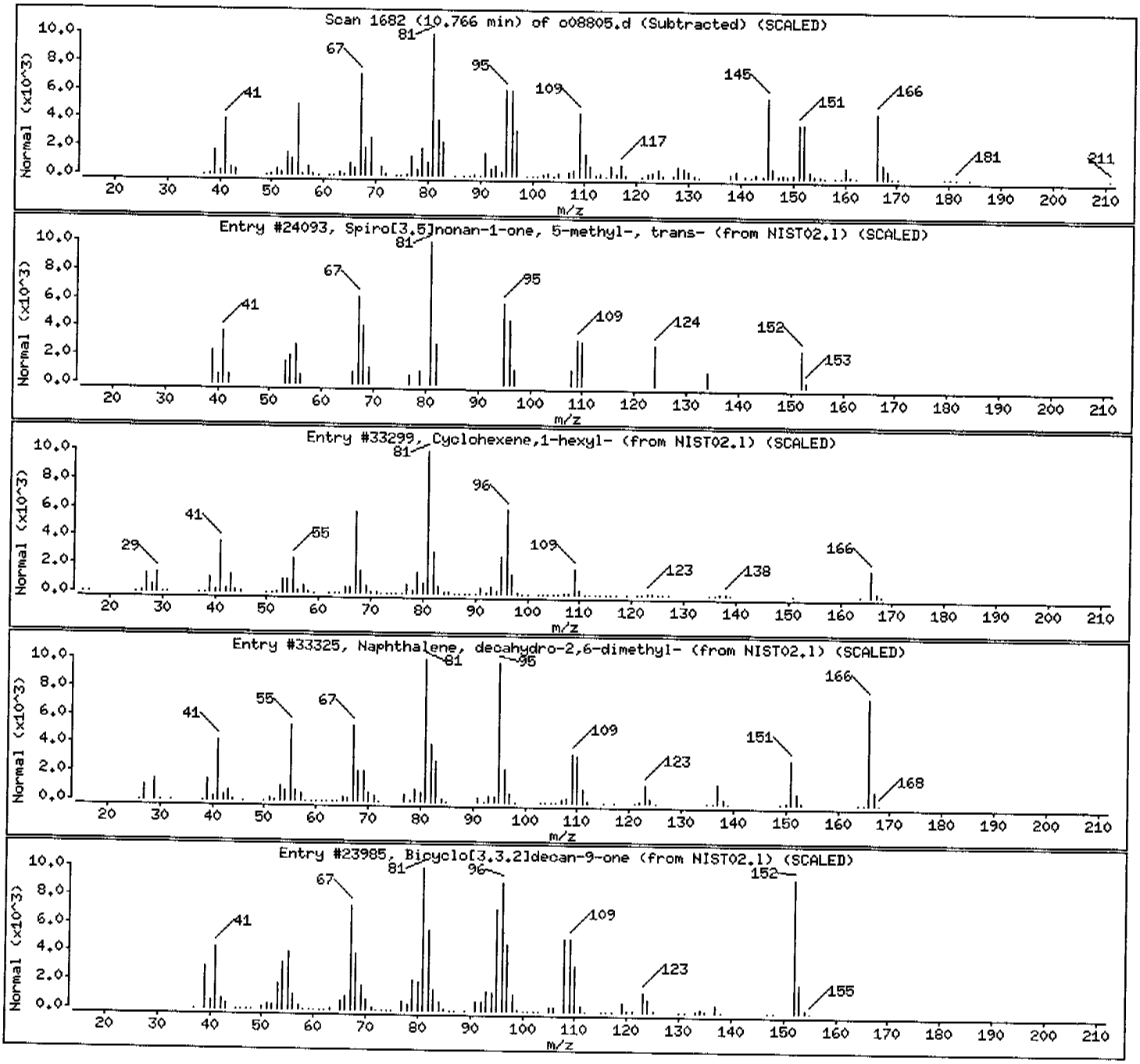
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Spiro[3.5]nonan-1-one, 5-methyl-, trans-	65147-56-0	NIST02.l	24093	70	C10H160	152
Cyclohexene,1-hexyl-	3964-66-7	NIST02.l	33299	64	C12H22	166
Naphthalene, decahydro-2,6-dimethyl-	1618-22-0	NIST02.l	33325	60	C12H22	166
Bicyclo[3.3.2]decan-9-one	28054-91-3	NIST02.l	23985	58	C10H160	152



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Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

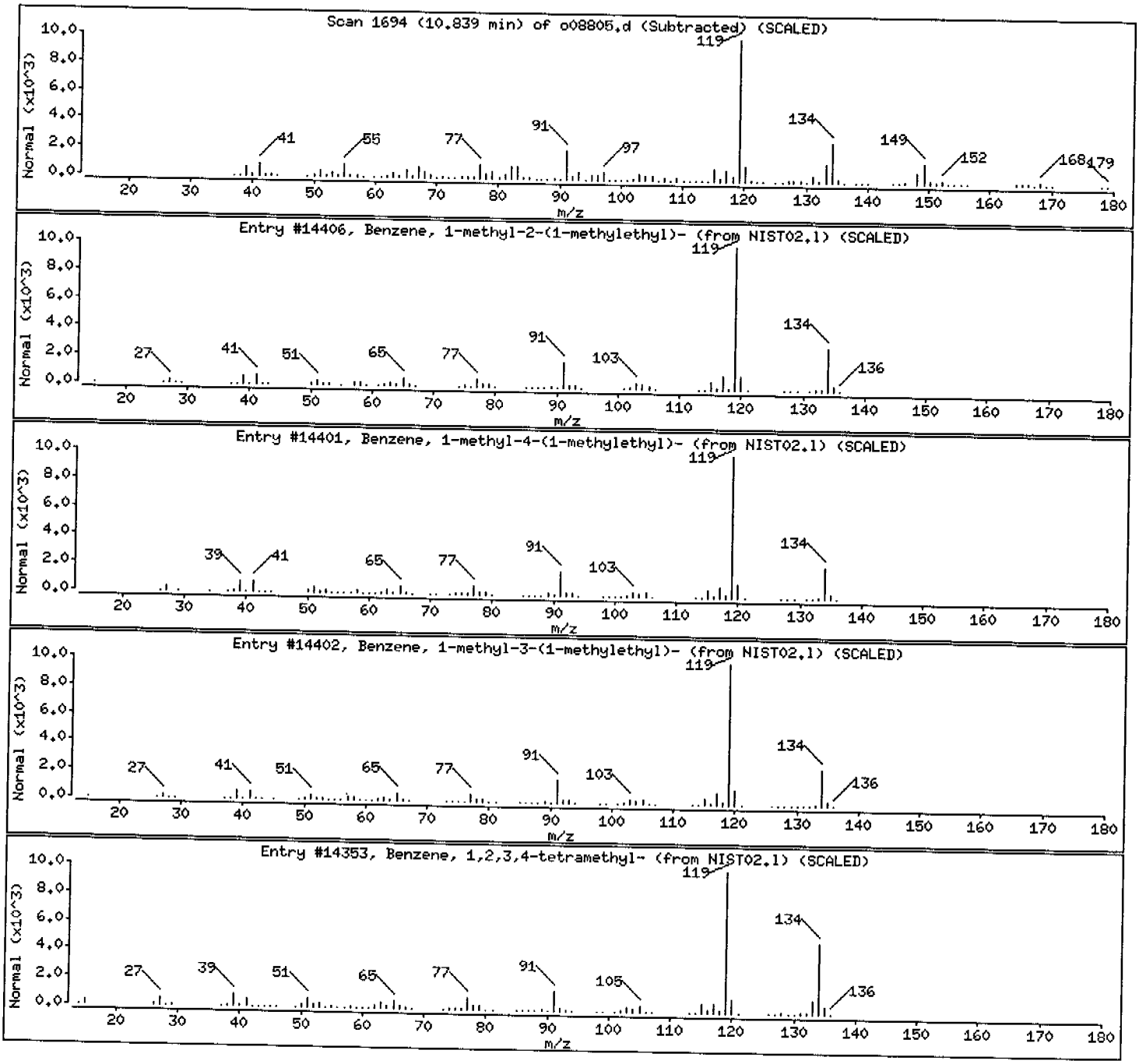
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H14 Aromatic/Unknown						
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	94	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST02.l	14401	94	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14402	93	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.l	14353	93	C10H14	134



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Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

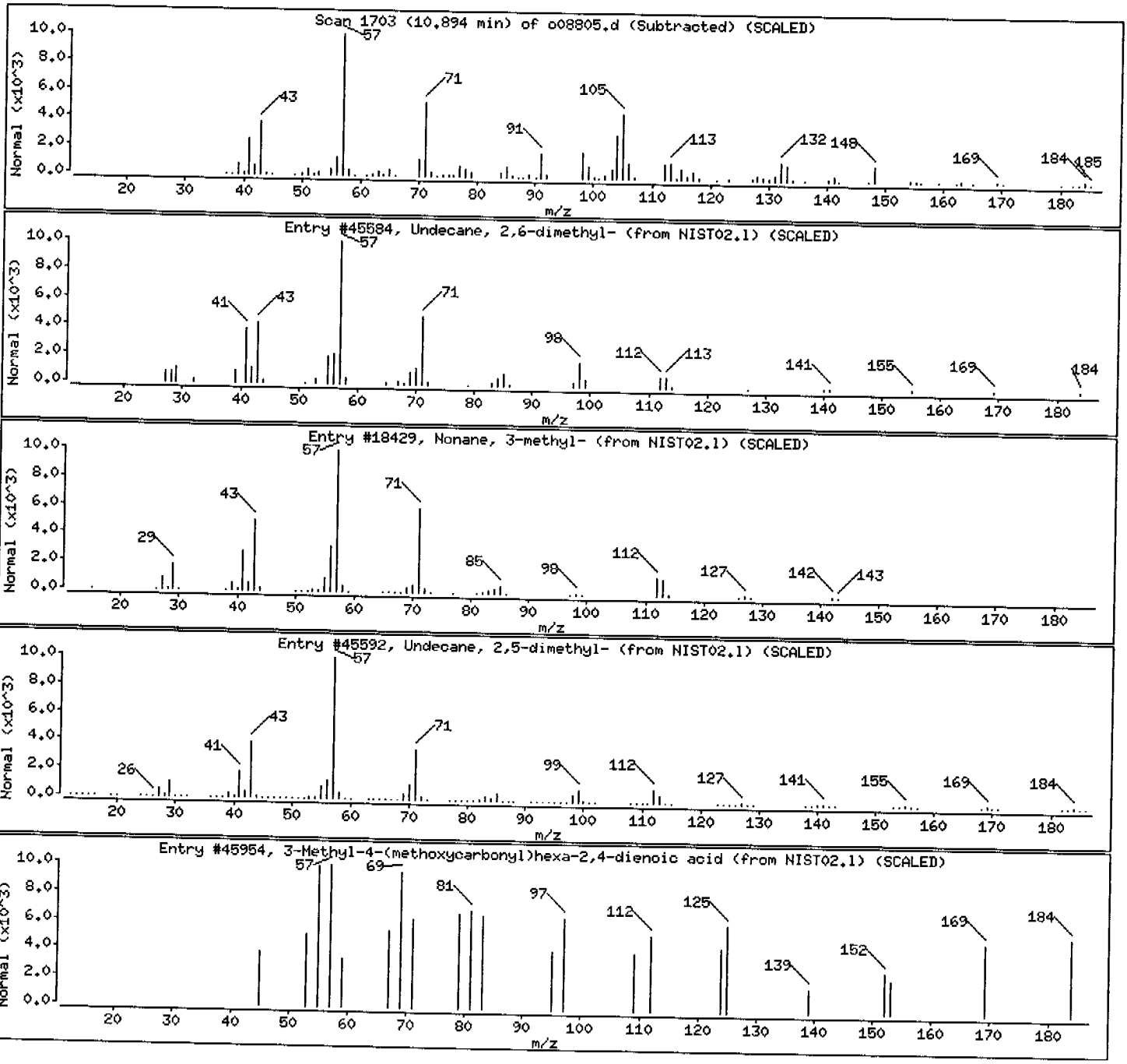
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane/Unknown						
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45584	53	C13H28	184
Nonane, 3-methyl-	5911-04-6	NIST02.l	18429	50	C10H22	142
Undecane, 2,5-dimethyl-	17301-22-3	NIST02.l	45592	42	C13H28	184
3-Methyl-4-(methoxycarbonyl)hexa-2,4-die	1000104-10-8	NIST02.l	45954	30	C9H1204	184



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Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

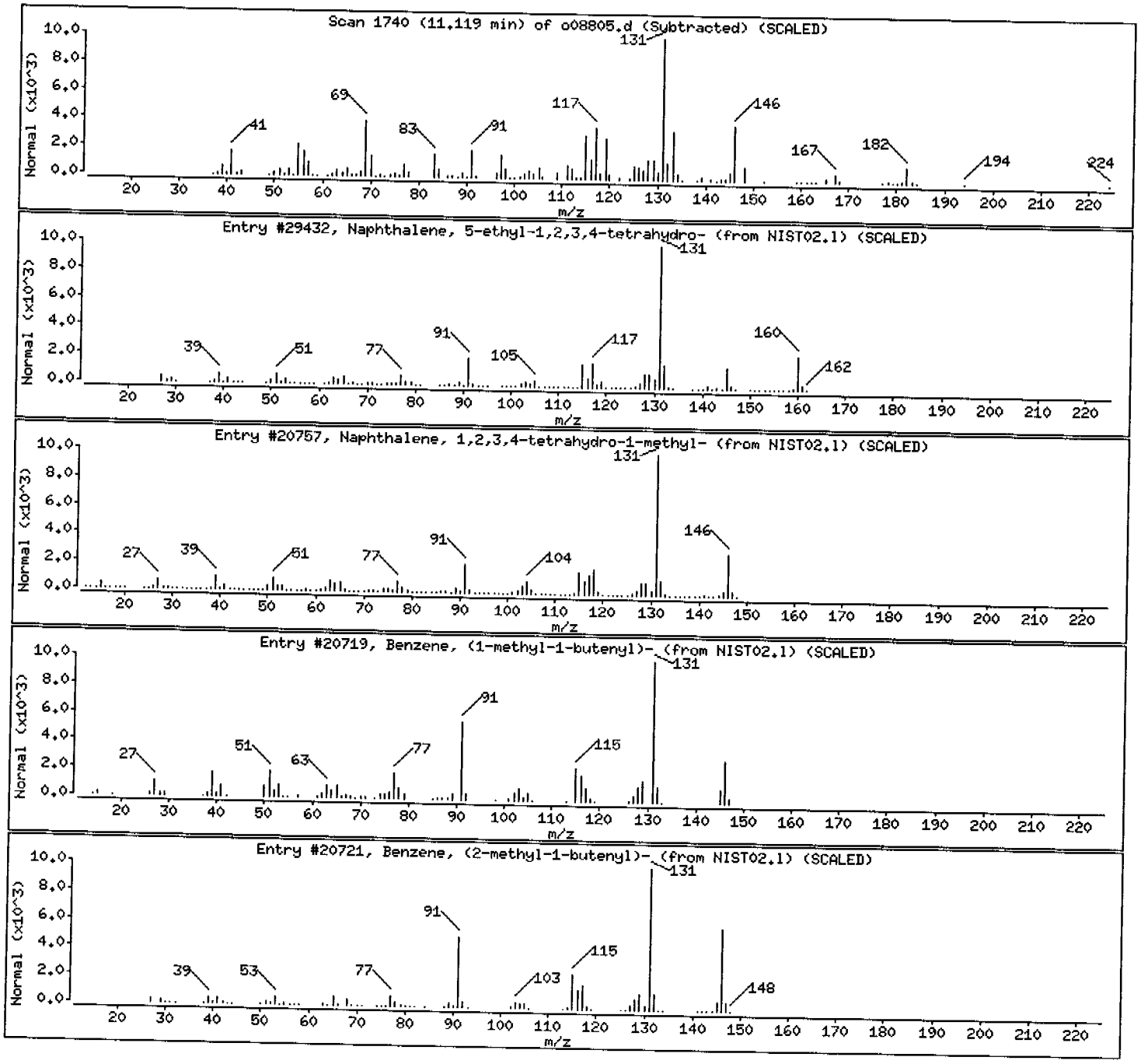
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Aromatics						
Naphthalene, 5-ethyl-1,2,3,4-tetrahydro-	42775-75-7	NIST02.l	29432	64	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-1-methyl	1559-81-5	NIST02.l	20757	64	C11H14	146
Benzene, (1-methyl-1-butenyl)-	53172-84-2	NIST02.l	20719	64	C11H14	146
Benzene, (2-methyl-1-butenyl)-	56253-64-6	NIST02.l	20721	64	C11H14	146



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Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

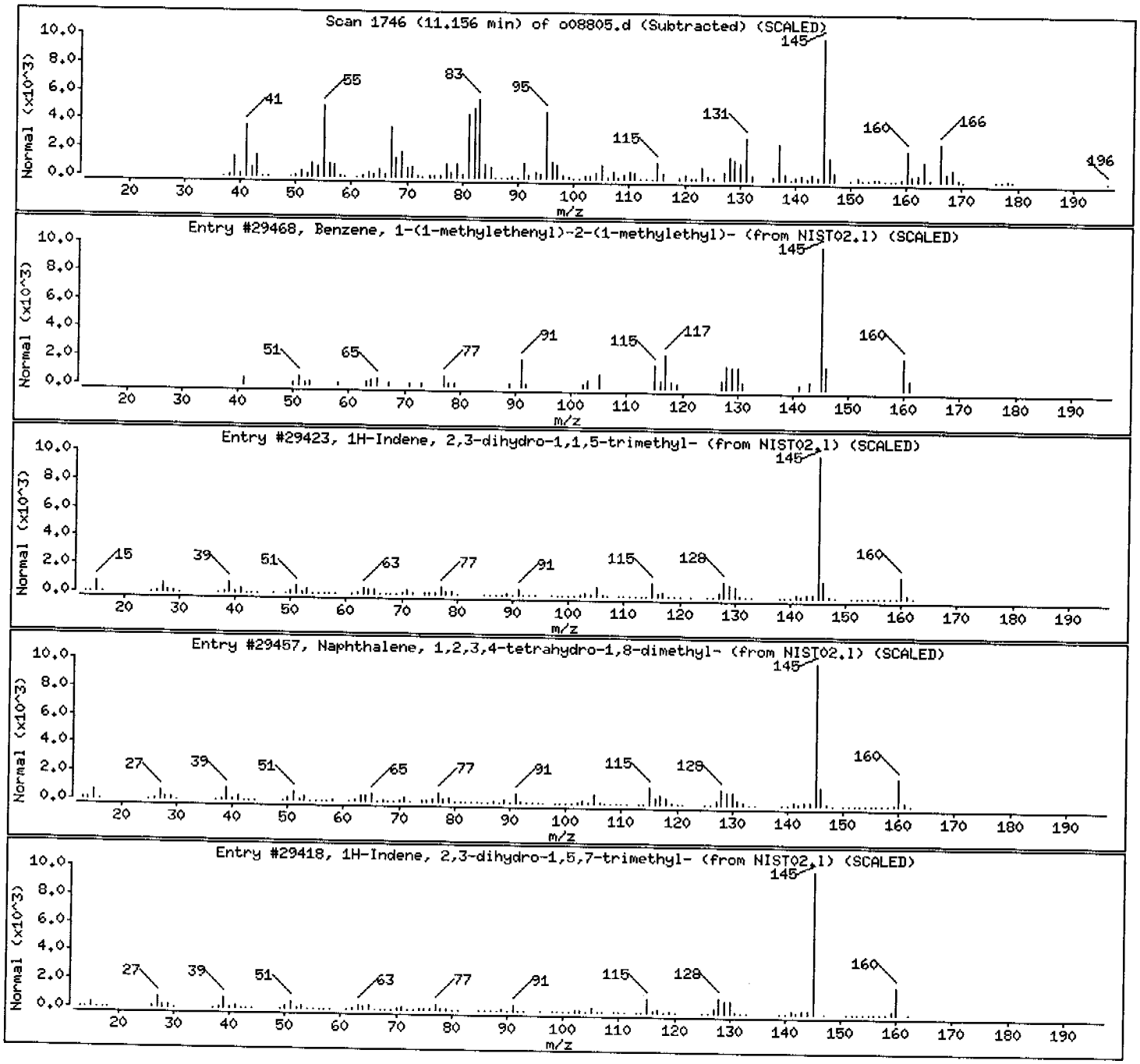
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Aromatics						
Benzene, 1-(1-methylethenyl)-2-(1-methyl	5557-93-7	NIST02.l	29468	51	C12H16	160
1H-Indene, 2,3-dihydro-1,1,5-trimethyl-	40650-41-7	NIST02.l	29423	50	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-1,8-dime	25419-33-4	NIST02.l	29457	38	C12H16	160
1H-Indene, 2,3-dihydro-1,5,7-trimethyl-	54340-88-4	NIST02.l	29418	38	C12H16	160



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08805.d

Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

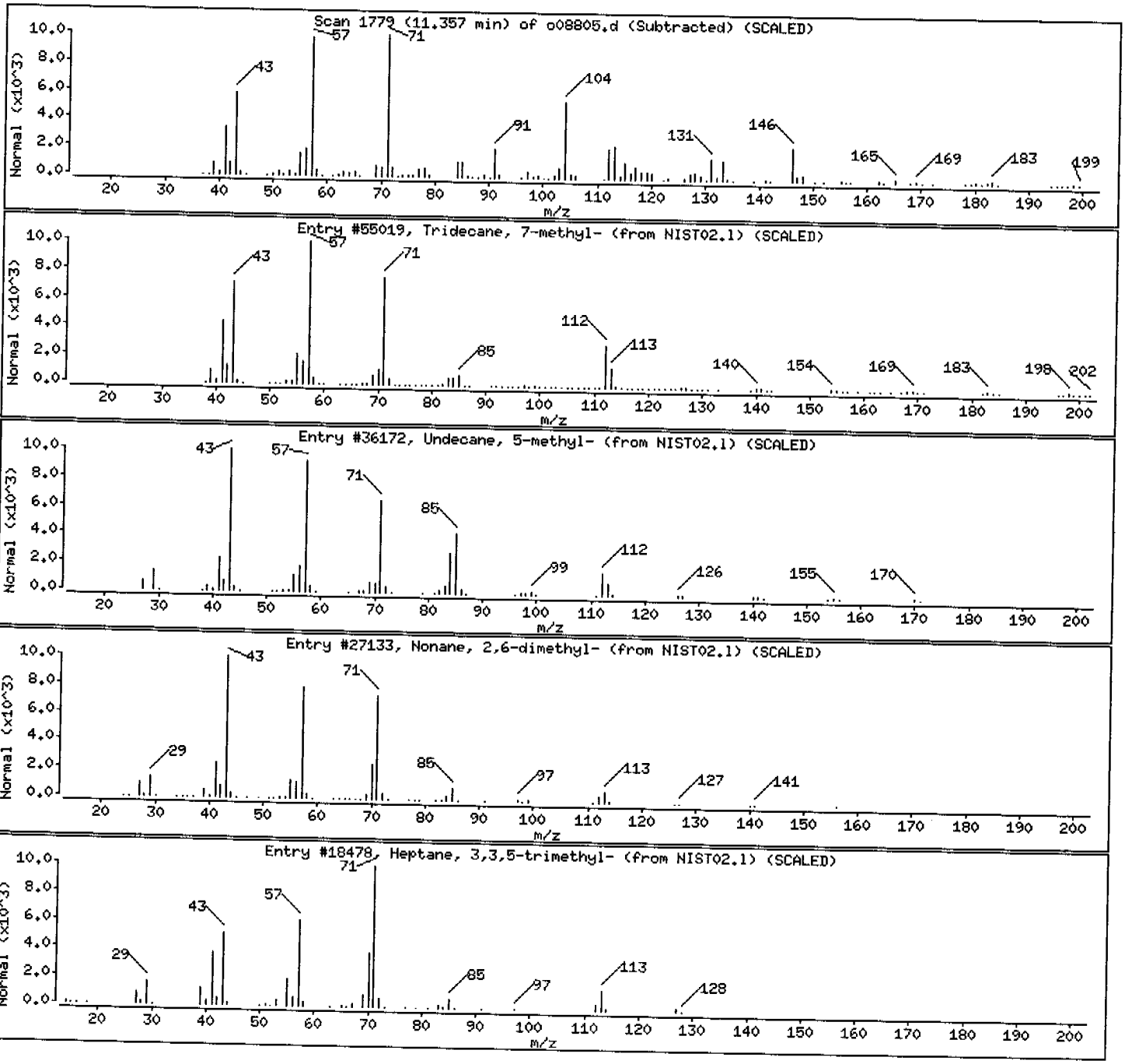
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane/Unknown Aromatic						
Tridecane, 7-methyl-	26730-14-3	NIST02.l	55019	45	C14H30	198
Undecane, 5-methyl-	1632-70-8	NIST02.l	36172	43	C12H26	170
Nonane, 2,6-dimethyl-	17302-28-2	NIST02.l	27133	38	C11H24	156
Heptane, 3,3,5-trimethyl-	7154-80-5	NIST02.l	18478	35	C10H22	142



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08805.d

Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

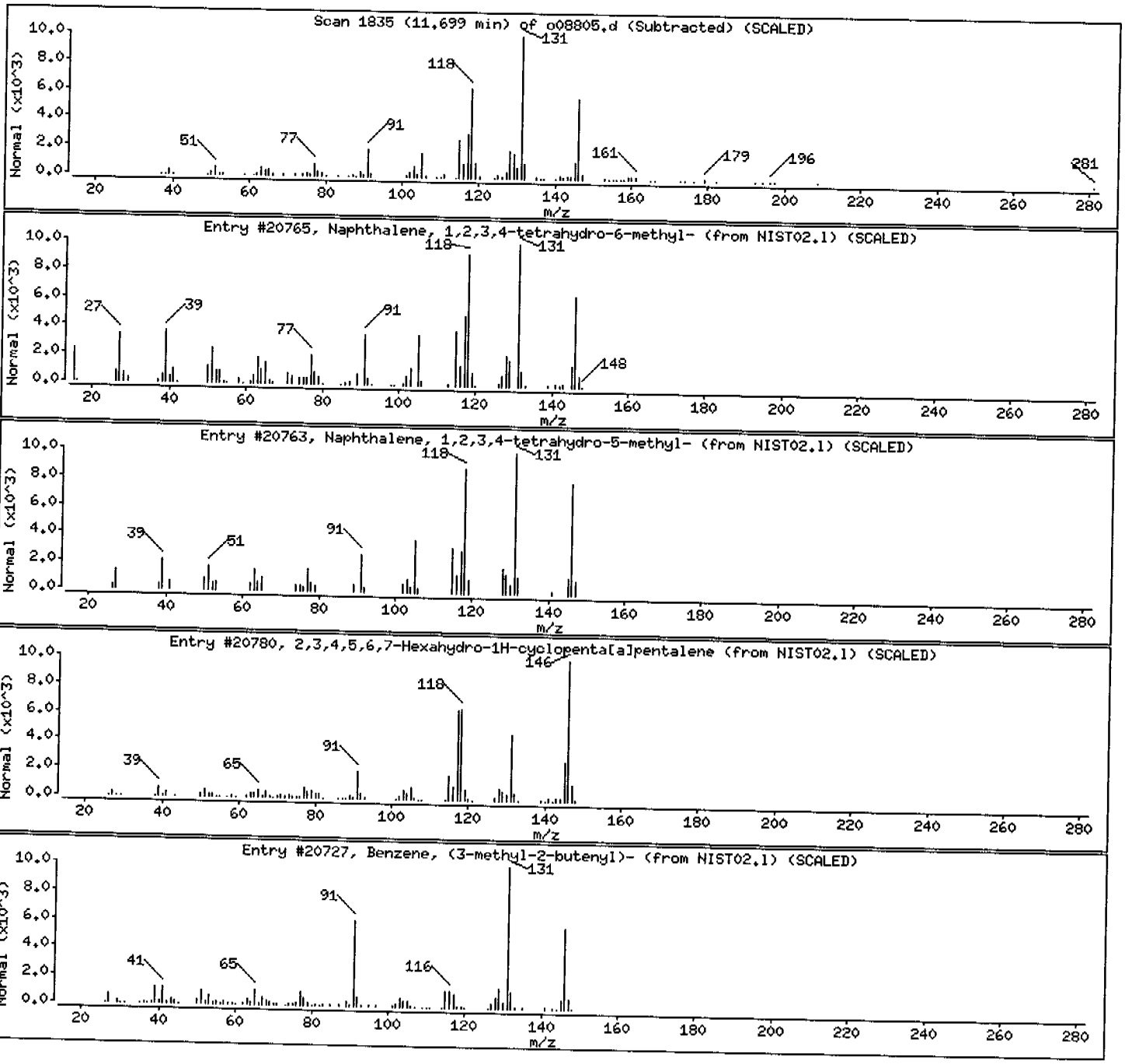
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrahydromethylnaphthalene isomer						
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	NIST02.l	20765	96	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	NIST02.l	20763	94	C11H14	146
2,3,4,5,6,7-Hexahydro-1H-cyclopenta[a]pe	1000189-31-0	NIST02.l	20780	80	C11H14	146
Benzene, (3-methyl-2-butenyl)-	4489-84-3	NIST02.l	20727	70	C11H14	146



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Date : 01-SEP-2006 14:41

Client ID: B101-SS03

Instrument: VOAMS12.i

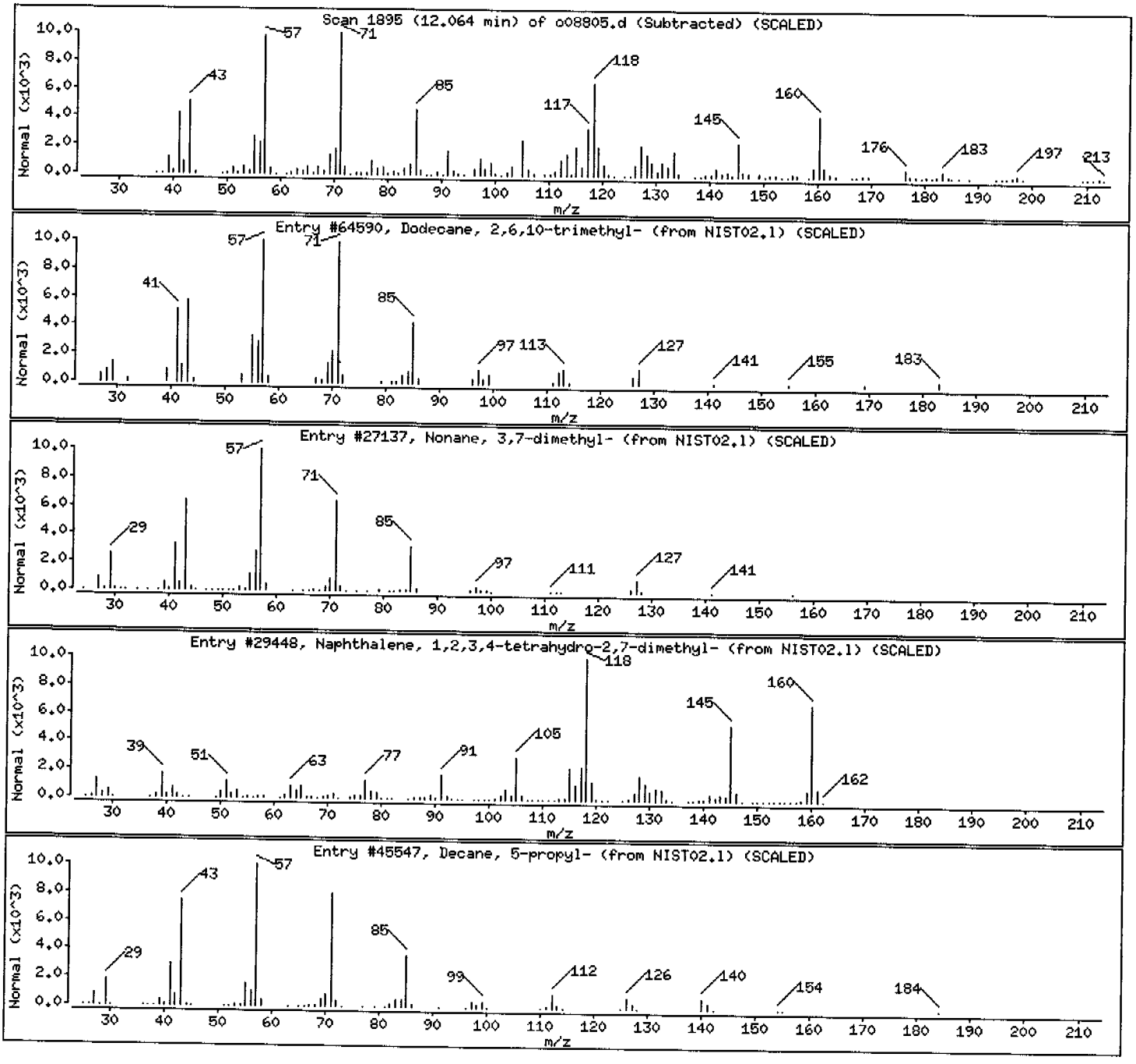
Sample Info: 765431;;;4.15;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane/Unknown Aromatic						
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	42	C15H32	212
Nonane, 3,7-dimethyl-	17302-32-8	NIST02.l	27137	41	C11H24	156
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	13065-07-1	NIST02.l	29448	38	C12H16	160
Decane, 5-propyl-	17312-62-8	NIST02.l	45547	38	C13H28	184



Client ID: **B102-SS01**
Site: Sun Chemical SI

Lab Sample No: **765436**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08838.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Acetone	47 B	5.5
Carbon Disulfide	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.5
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.5
Bromoform	ND	4.4
4-Methyl-2-Pentanone	ND	5.5
2-Hexanone	ND	5.5
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	ND	4.4
Styrene	ND	5.5
Xylene (Total)	ND	5.5

Client ID: **B102-SS01**
Site: Sun Chemical SI

Lab Sample No: **765436**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08838.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	10.89	5.8	
2.	Unknown Alkane	12.06	6.2	
3.				
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30.				

TOTAL ESTIMATED CONCENTRATION	12

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08838.d
Report Date: 07-Sep-2006 10:41

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

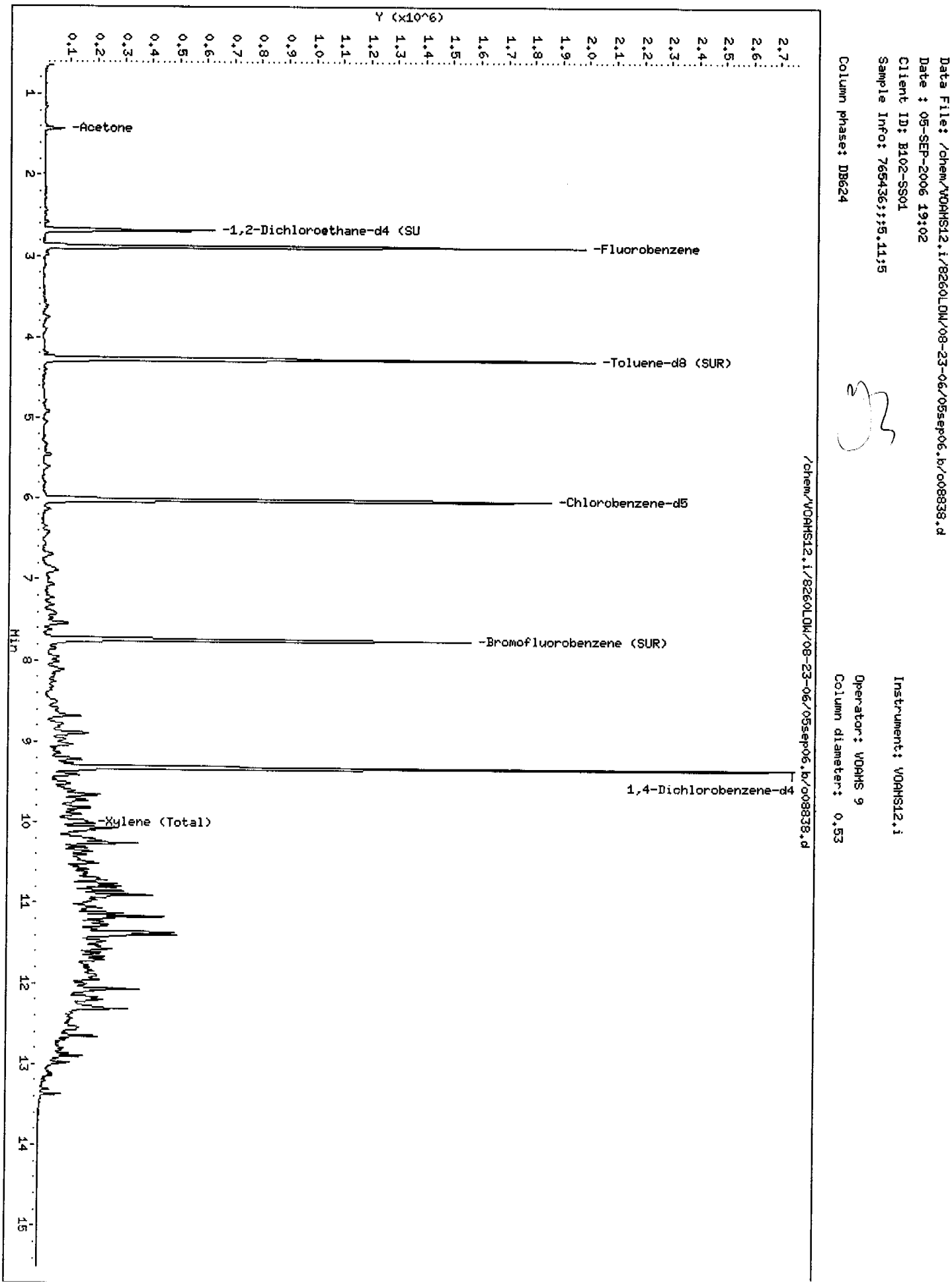
Data file : /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08838.d
Lab Smp Id: 765436 Client Smp ID: B102-SS01
Inj Date : 05-SEP-2006 19:02
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765436;;;5.11;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/8260L_05.m
Meth Date : 06-Sep-2006 13:17 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.11000	Weight of sample extracted (g)
M	11.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	1.425	1.426	(0.494)	67950	43.1423	47
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.681	2.676	(0.930)	407354	43.4827	48
* 69 Fluorobenzene	96	2.882	2.877	(1.000)	1537924	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.266	4.261	(0.709)	1320424	49.5660	54
* 32 Chlorobenzene-d5	117	6.016	6.011	(1.000)	1167574	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.735	7.730	(0.831)	559582	56.0381	62
* 91 1,4-Dichlorobenzene-d4	152	9.308	9.309	(1.000)	691040	50.0000	


Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/00838.d
Date : 05-SEP-2006 19:02
Client ID: B102-SS01
Sample Info: 765436;;;5.11;5
Column phase: DB624
Instrument: VOAMS12.i
Operator: VOAMS 9
Column diameter: 0.53
Y (x10^6)
Min
-Acetone
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
-Xylene (Total)
/chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/00838.d

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08838.d

Date : 05-SEP-2006 19:02

Client ID: B102-SS01

Instrument: VOAMS12.i

Sample Info: 765436;;;5.11;5

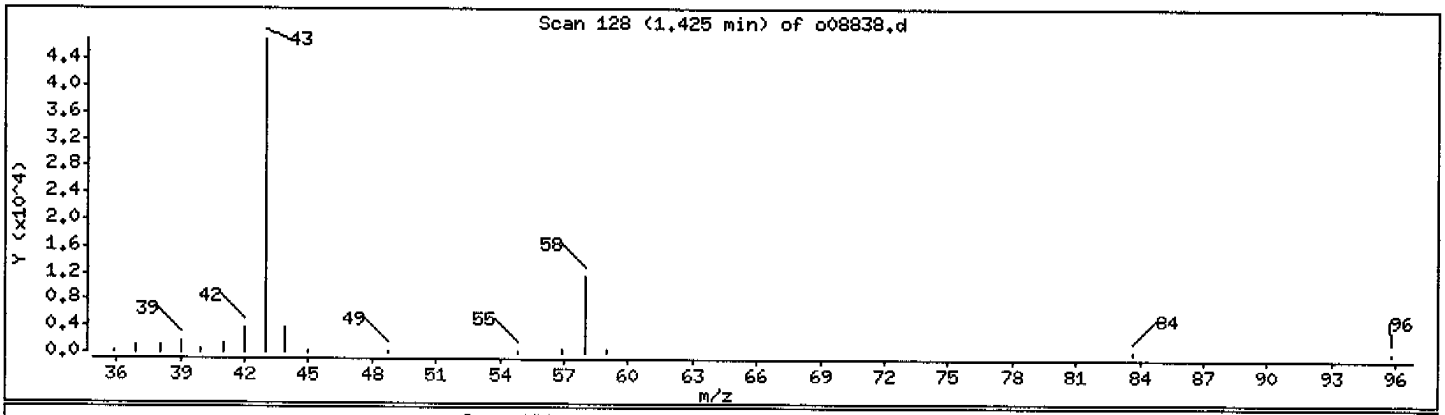
Operator: VOAMS 9

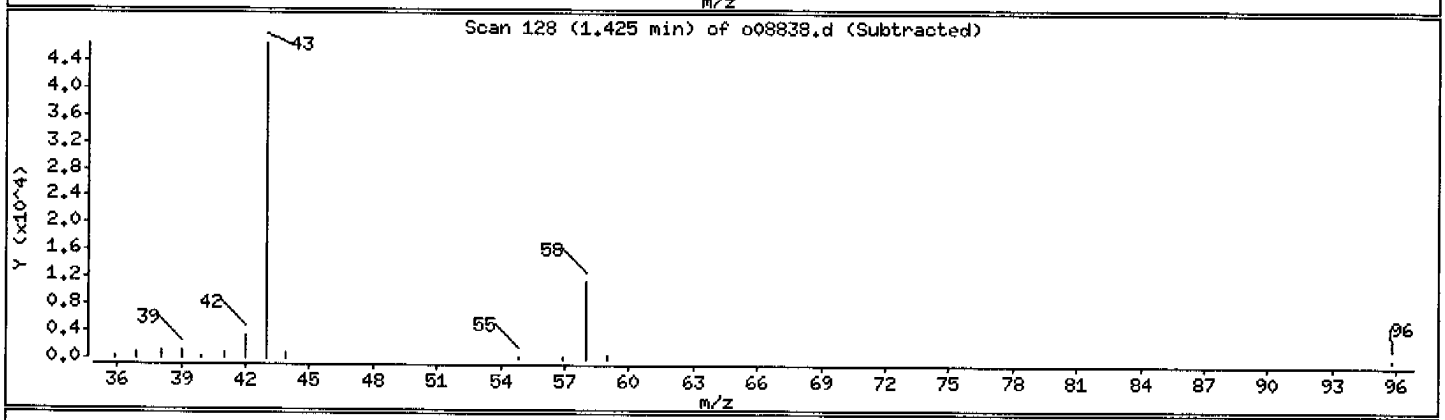
Column phase: DB624

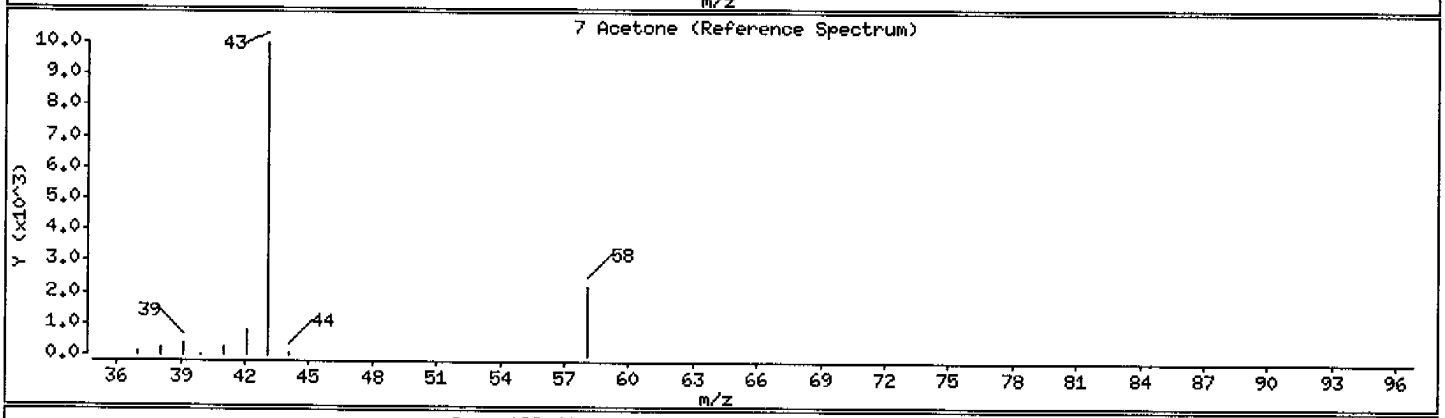
Column diameter: 0.53

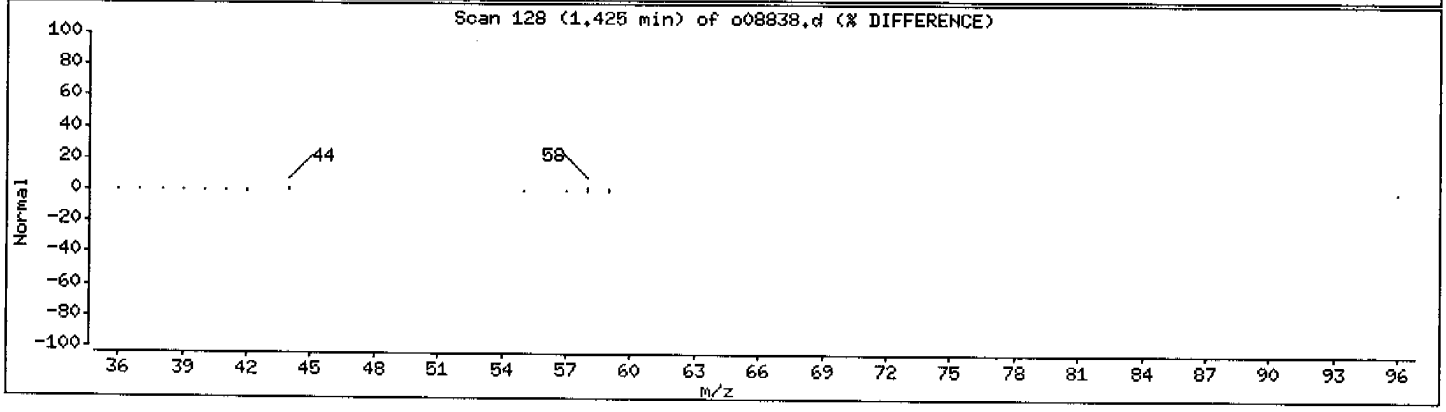
7 Acetone

Concentration: 47 ug/Kg









Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08838.d

Date : 05-SEP-2006 19:02

Client ID: B102-SS01

Instrument: VOAMS12.i

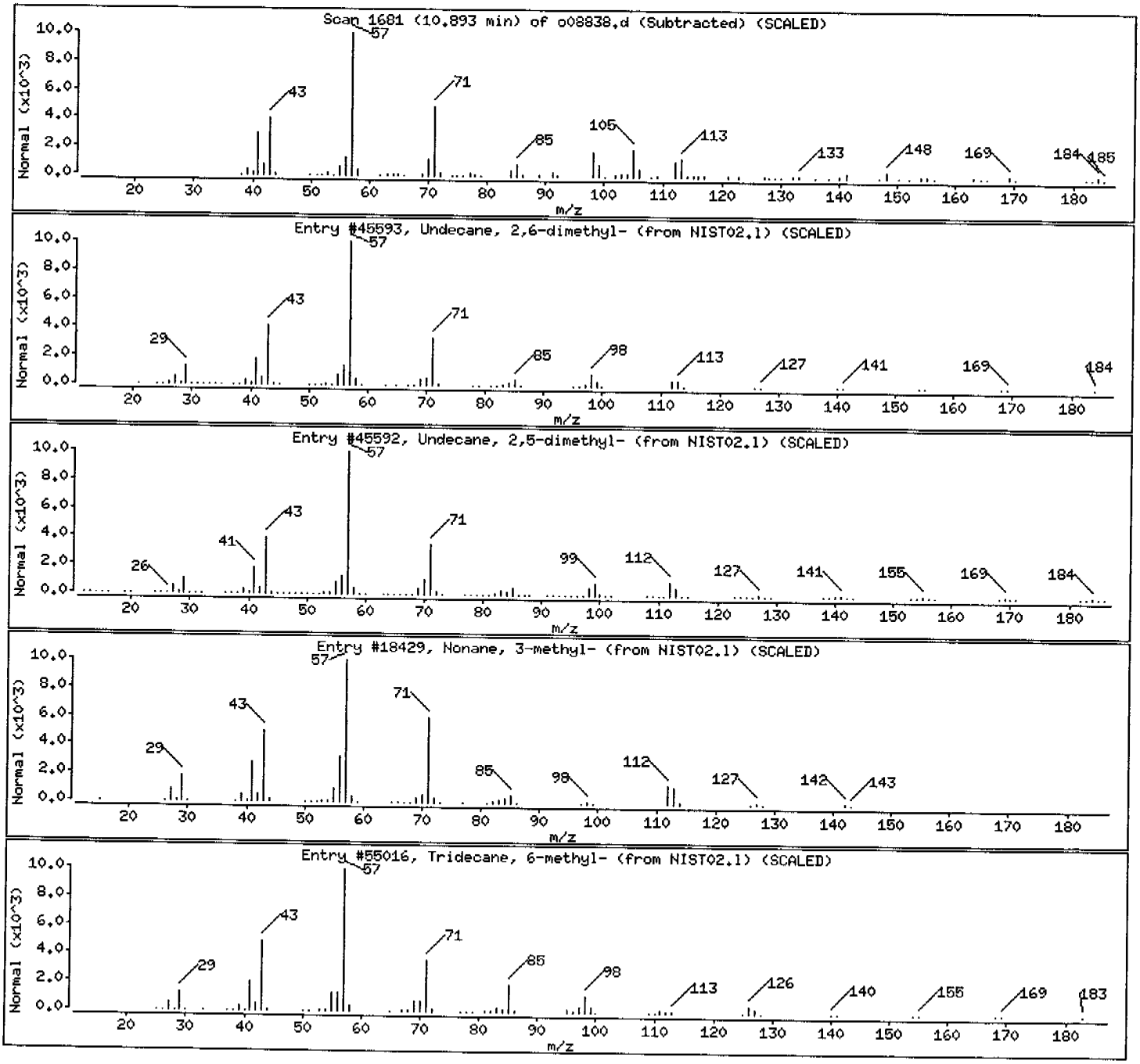
Sample Info: 765436;;;5.11;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45593	93	C13H28	184
Undecane, 2,5-dimethyl-	17301-22-3	NIST02.l	45592	70	C13H28	184
Nonane, 3-methyl-	5911-04-6	NIST02.l	18429	53	C10H22	142
Tridecane, 6-methyl-	13287-21-3	NIST02.l	55016	47	C14H30	198



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08838.d

Date : 05-SEP-2006 19:02

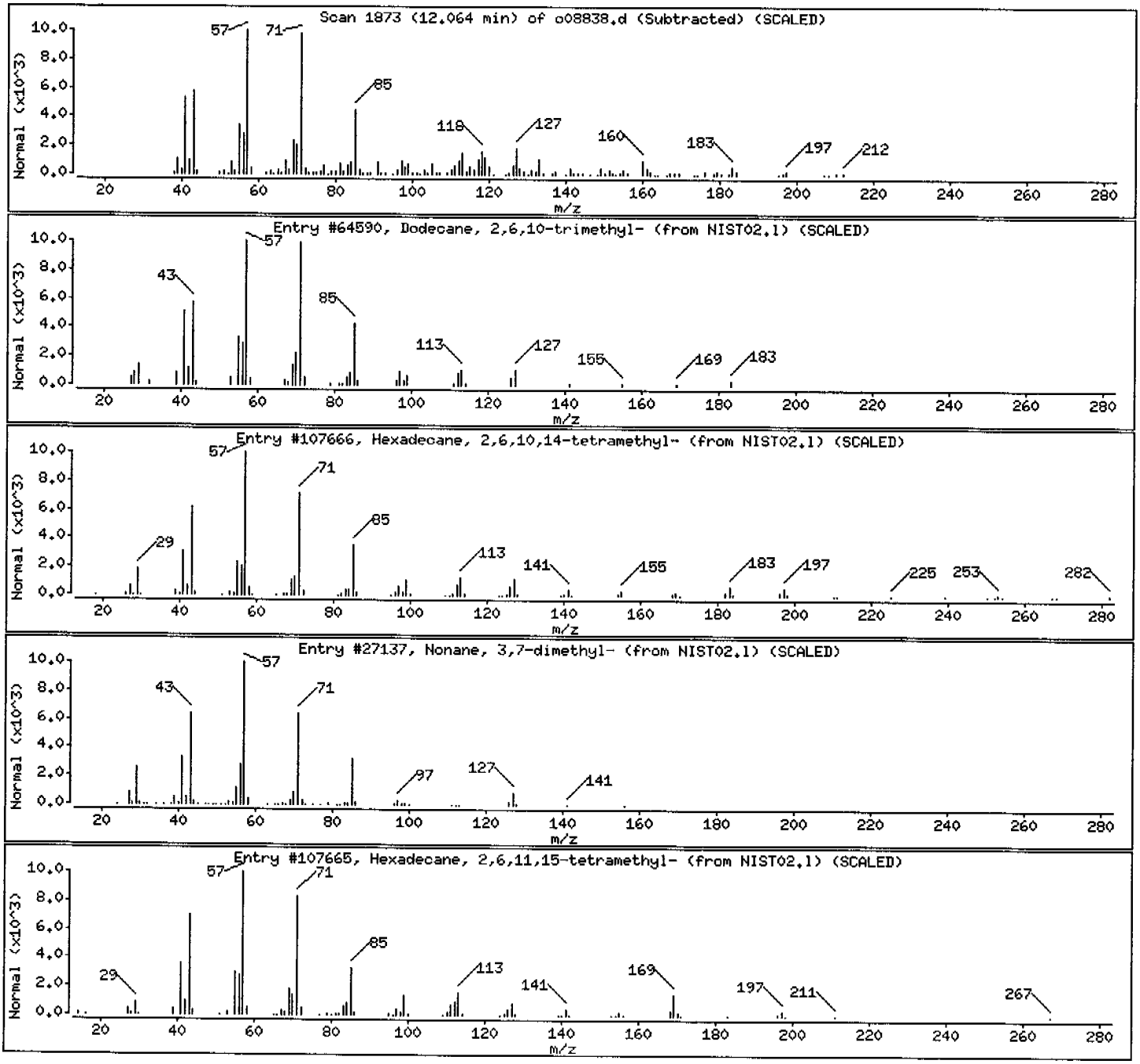
Client ID: B102-SS01 Instrument: VOAMS12.i

Sample Info: 765436;;;5.11;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	76	C15H32	212
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST02.l	107666	64	C20H42	282
Nonane, 3,7-dimethyl-	17302-32-8	NIST02.l	27137	58	C11H24	156
Hexadecane, 2,6,11,15-tetramethyl-	504-44-9	NIST02.l	107665	53	C20H42	282



Client ID: **B102-SS02**
Site: Sun Chemical SI

Lab Sample No: **765437**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08813.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.2
Acetone	35 B	5.4
Carbon Disulfide	ND	5.4
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.1
2-Butanone	ND	5.4
1,1,1-Trichloroethane	ND	5.4
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.2
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.4
Bromoform	ND	4.3
4-Methyl-2-Pentanone	ND	5.4
2-Hexanone	ND	5.4
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.4
Chlorobenzene	ND	5.4
Ethylbenzene	ND	4.3
Styrene	ND	5.4
Xylene (Total)	ND	5.4

Client ID: **B102-SS02**
Site: Sun Chemical SI

Lab Sample No: **765437**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08813.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 11.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08813.d
Report Date: 07-Sep-2006 12:13

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08813.d
Lab Smp Id: 765437 Client Smp ID: B102-SS02
Inj Date : 01-SEP-2006 17:47
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765437;;;5.30;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/8260L_05.m
Meth Date : 07-Sep-2006 11:32 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.30000	Weight of sample extracted (g)
M	11.90000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

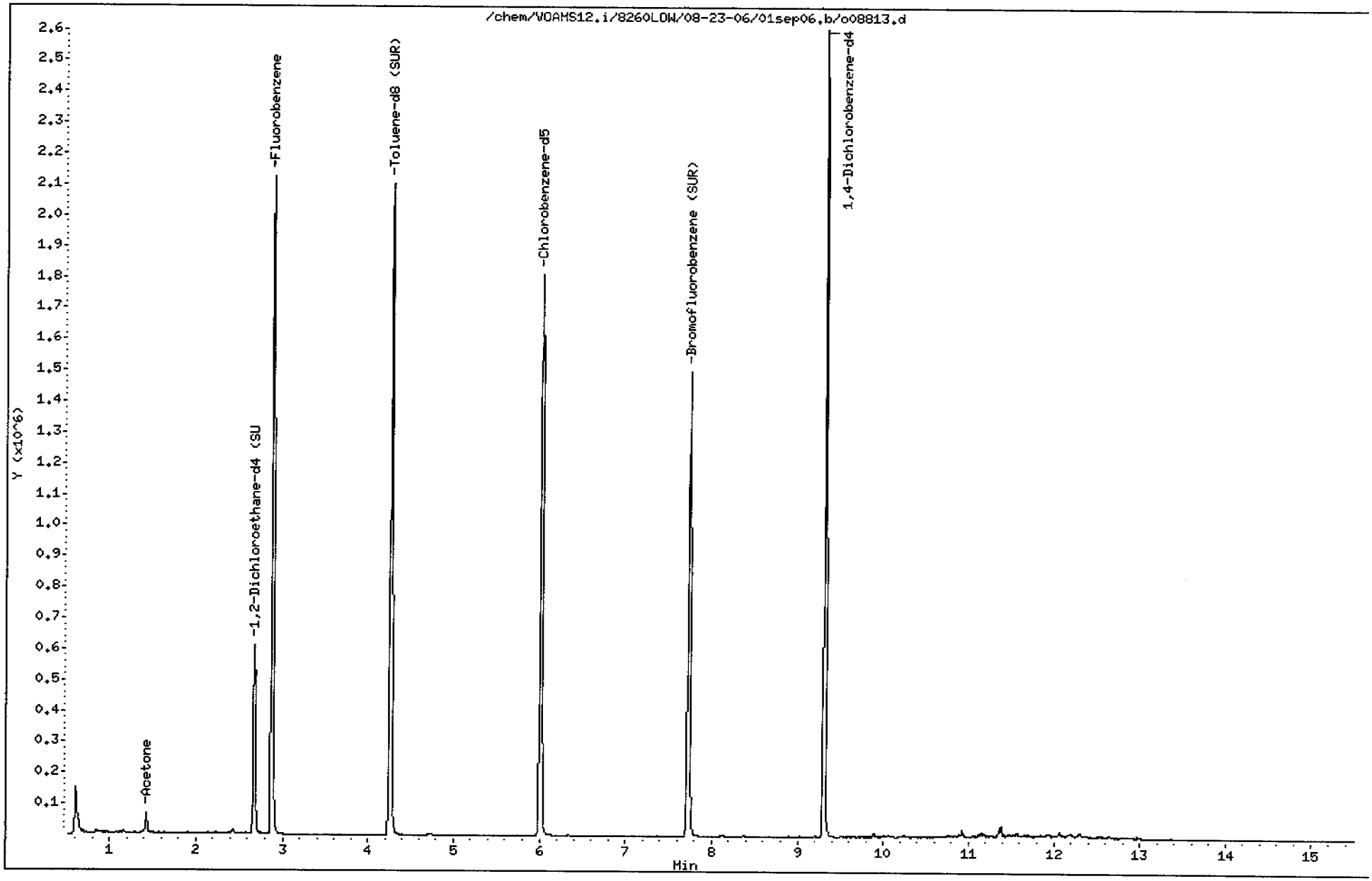
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	1.426	1.426	(0.496)	56369	33.0658	35
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.670	(0.930)	402647	39.7095	42
* 69 Fluorobenzene	96	2.877	2.871	(1.000)	1664599	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.261	4.255	(0.709)	1366047	51.4521	55
* 32 Chlorobenzene-d5	117	6.011	6.005	(1.000)	1163637	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.730	7.724	(0.831)	511987	55.5796	60
* 91 1,4-Dichlorobenzene-d4	152	9.303	9.303	(1.000)	637479	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08813.d
Date : 01-SEP-2006 17:47
Client ID: B102-SS02
Sample Info: 765437;;;5.30;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



283
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W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08813.d

Date : 01-SEP-2006 17:47

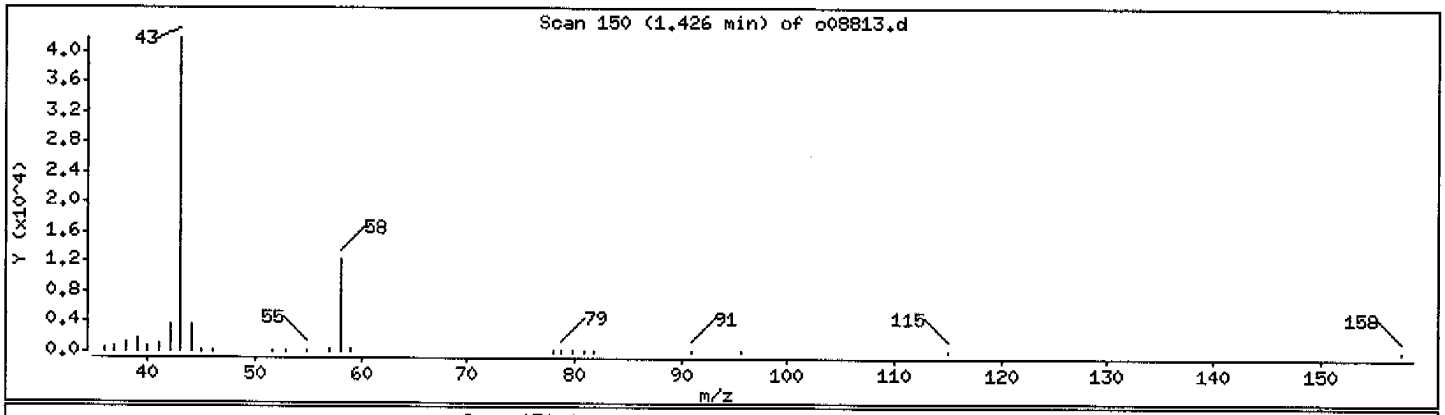
Client ID: B102-SS02 Instrument: VOAMS12.i

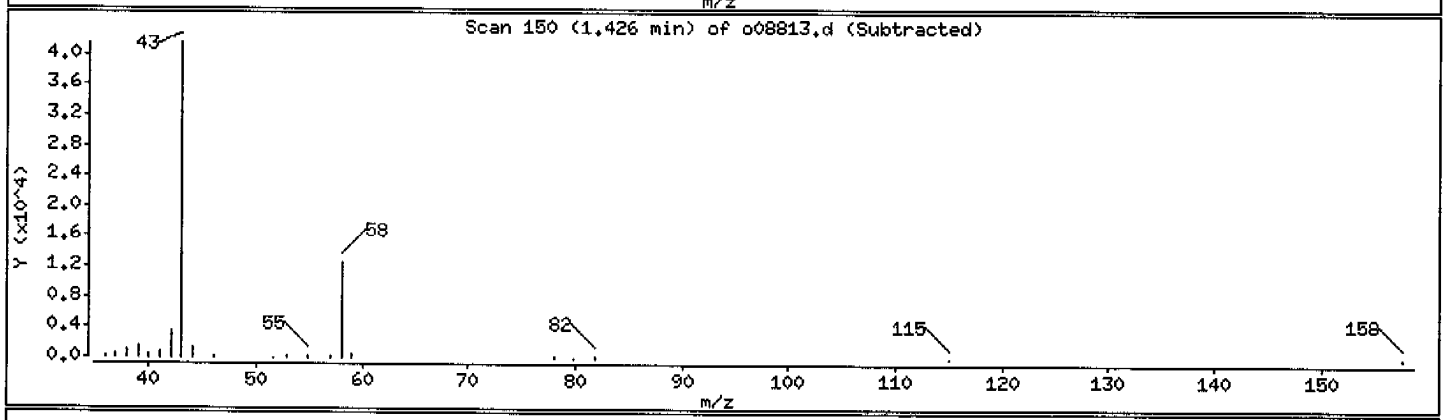
Sample Info: 765437;;;5.30;5

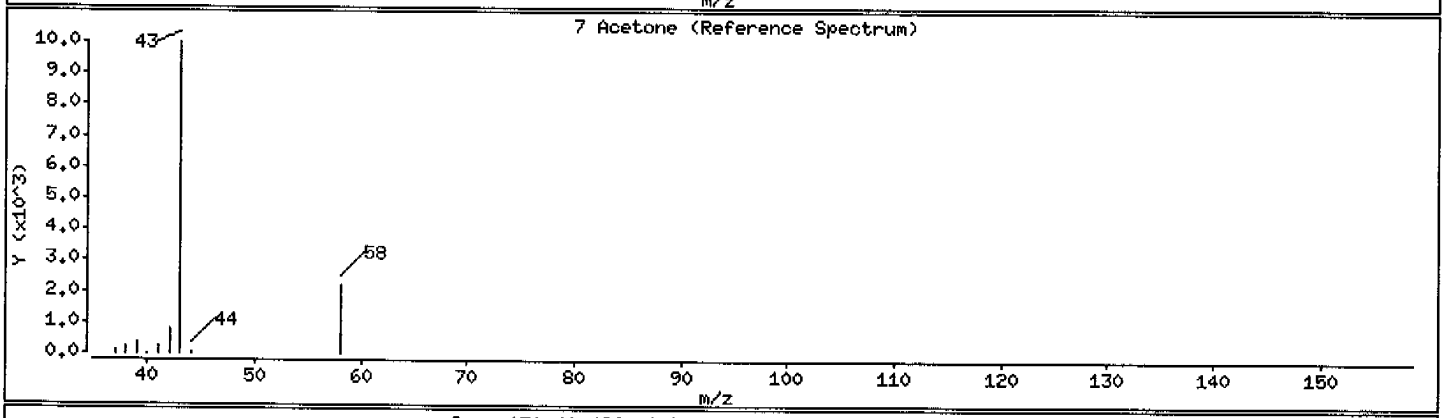
Operator: VOAMS 9

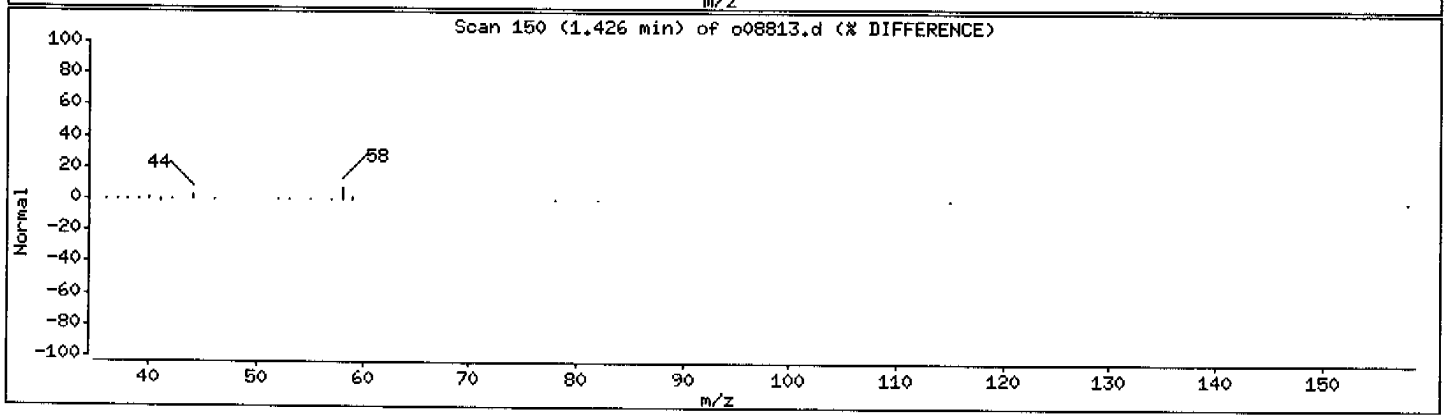
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 35 ug/Kg









Client ID: **B102-SS03**
Site: Sun Chemical SI

Lab Sample No: **765438**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08814.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.8
Bromomethane	ND	5.8
Vinyl Chloride	ND	5.8
Chloroethane	ND	5.8
Methylene Chloride	ND	3.4
Acetone	100 B	5.8
Carbon Disulfide	1.2J	5.8
1,1-Dichloroethene	ND	2.3
1,1-Dichloroethane	ND	5.8
trans-1,2-Dichloroethene	ND	5.8
cis-1,2-Dichloroethene	ND	5.8
Chloroform	ND	5.8
1,2-Dichloroethane	ND	2.3
2-Butanone	11	5.8
1,1,1-Trichloroethane	ND	5.8
Carbon Tetrachloride	ND	2.3
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	5.8
Trichloroethene	ND	1.2
Dibromochloromethane	ND	5.8
1,1,2-Trichloroethane	ND	3.4
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	5.8
Bromoform	ND	4.6
4-Methyl-2-Pentanone	ND	5.8
2-Hexanone	ND	5.8
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	5.8
Chlorobenzene	ND	5.8
Ethylbenzene	ND	4.6
Styrene	ND	5.8
Xylene (Total)	ND	5.8

Client ID: **B102-SS03**
Site: Sun Chemical SI

Lab Sample No: **765438**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08814.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 15.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08814.d
Report Date: 07-Sep-2006 12:14

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08814.d
Lab Smp Id: 765438 Client Smp ID: B102-SS03
Inj Date : 01-SEP-2006 18:10
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765438;;;5.12;5
Misc Info : W345;0752;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/8260L_05.m
Meth Date : 07-Sep-2006 11:32 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.12000	Weight of sample extracted (g)
M	15.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.426	1.426	(0.496)	145266	89.9958	100
	8 Carbon Disulfide	76	1.158	1.158	(0.402)	25427	1.07613	1.2(a)
	18 2-Butanone	72	2.432	2.420	(0.845)	10557	9.43637	11
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.670	(0.930)	373159	38.8672	45
*	69 Fluorobenzene	96	2.877	2.871	(1.000)	1576123	50.0000	
$	37 Toluene-d8 (SUR)	98	4.261	4.255	(0.709)	1281211	52.1872	60
*	32 Chlorobenzene-d5	117	6.011	6.005	(1.000)	1075998	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.730	7.724	(0.831)	496729	53.8075	62
*	91 1,4-Dichlorobenzene-d4	152	9.303	9.303	(1.000)	638851	50.0000	

QC Flag Legend

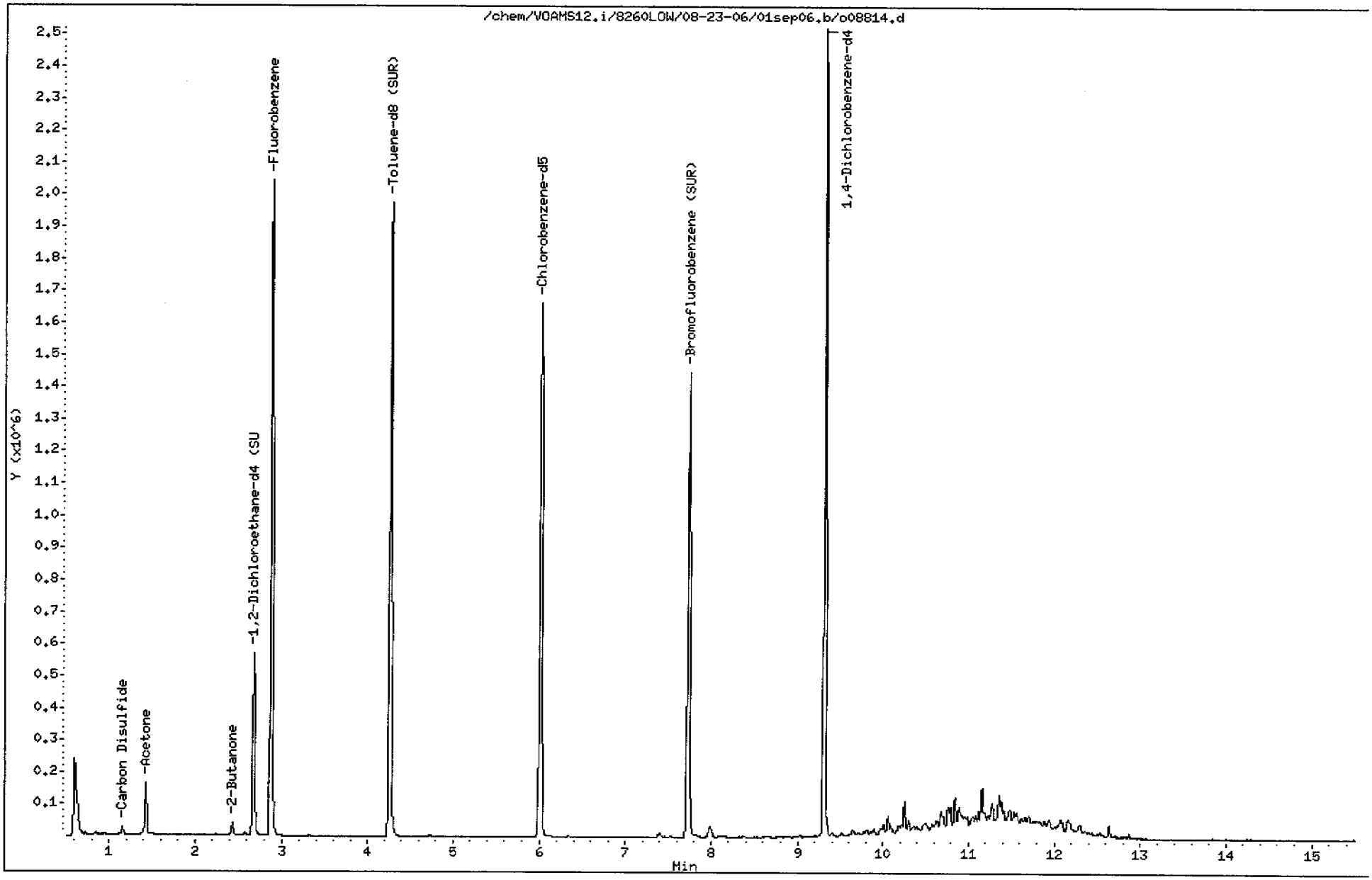
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08814.d
Date : 01-SEP-2006 18:10
Client ID: B102-SS03
Sample Info: 765438;;;5.12;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08814.d

Date : 01-SEP-2006 18:10

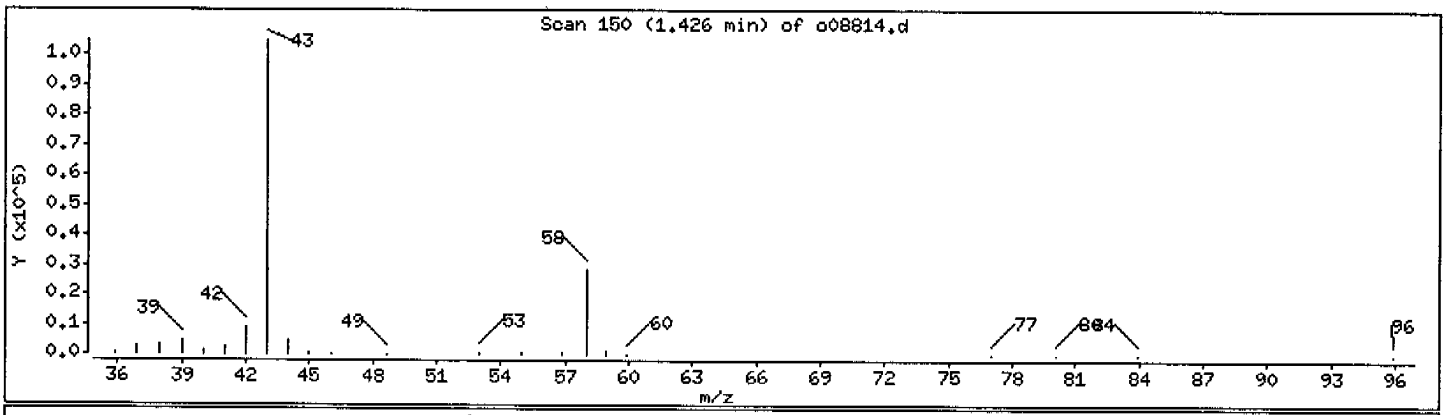
Client ID: B102-SS03 Instrument: VOAMS12.i

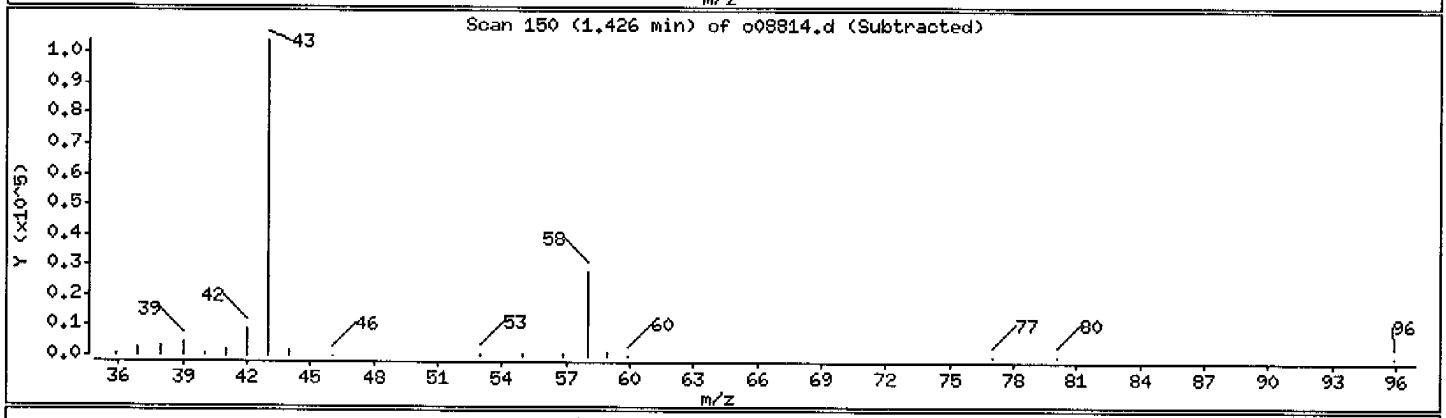
Sample Info: 765438;;;5.12;5

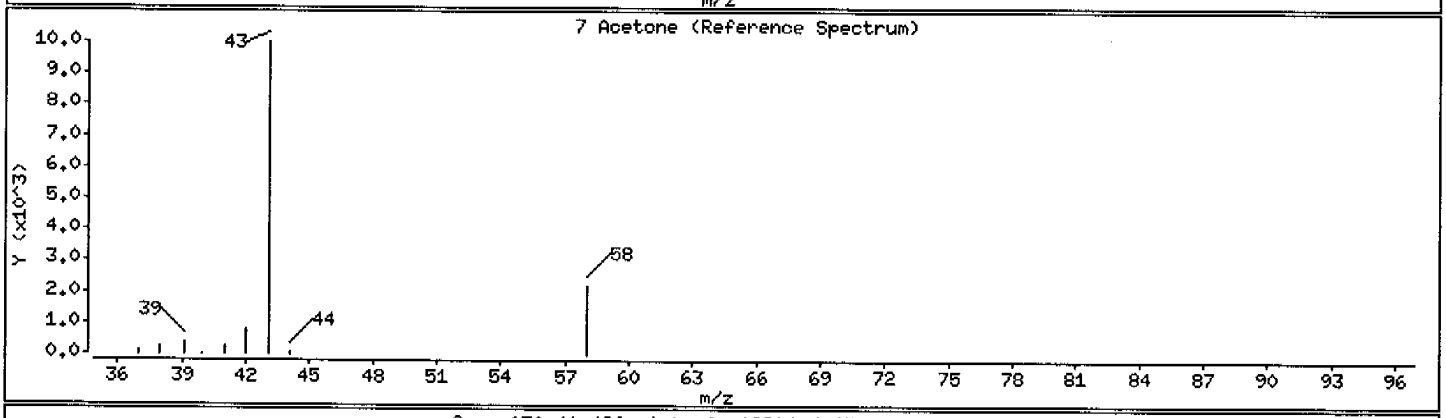
Operator: VOAMS 9

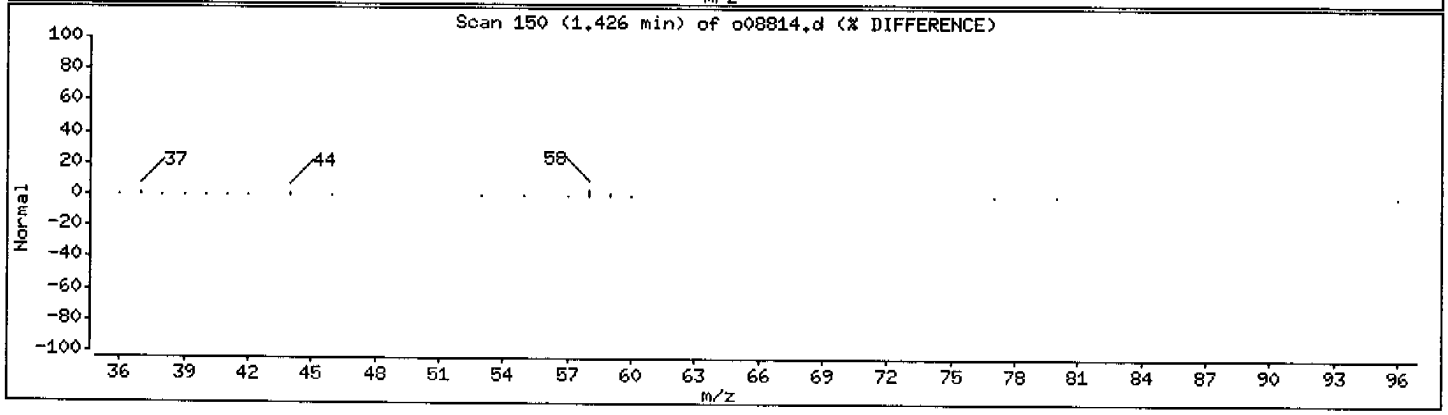
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 100 ug/Kg









Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08814.d

Date : 01-SEP-2006 18:10

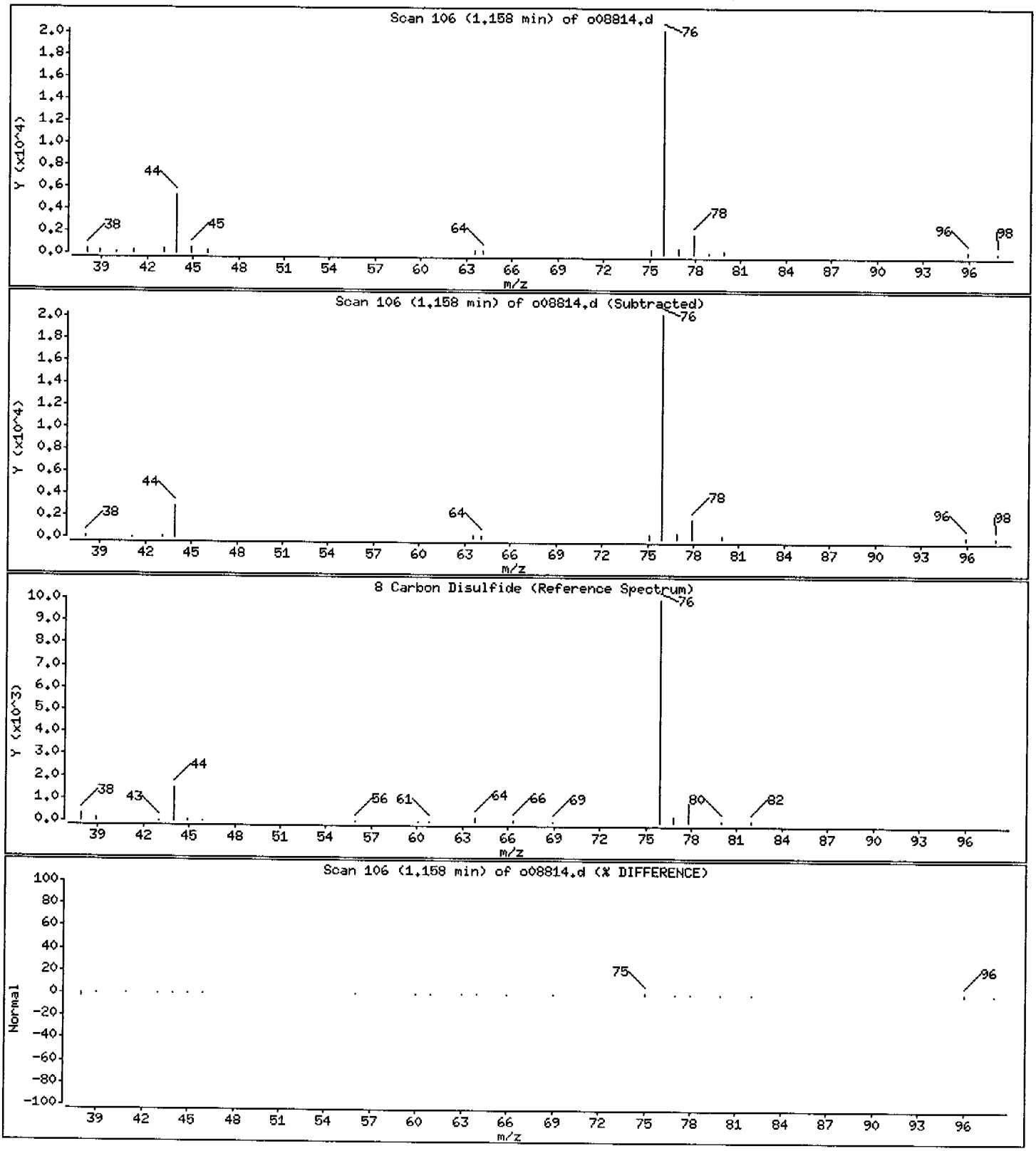
Client ID: B102-SS03 Instrument: VOAMS12.i

Sample Info: 765438;;;5.12;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

8 Carbon Disulfide Concentration: 1.2 ug/Kg



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08814.d

Date : 01-SEP-2006 18:10

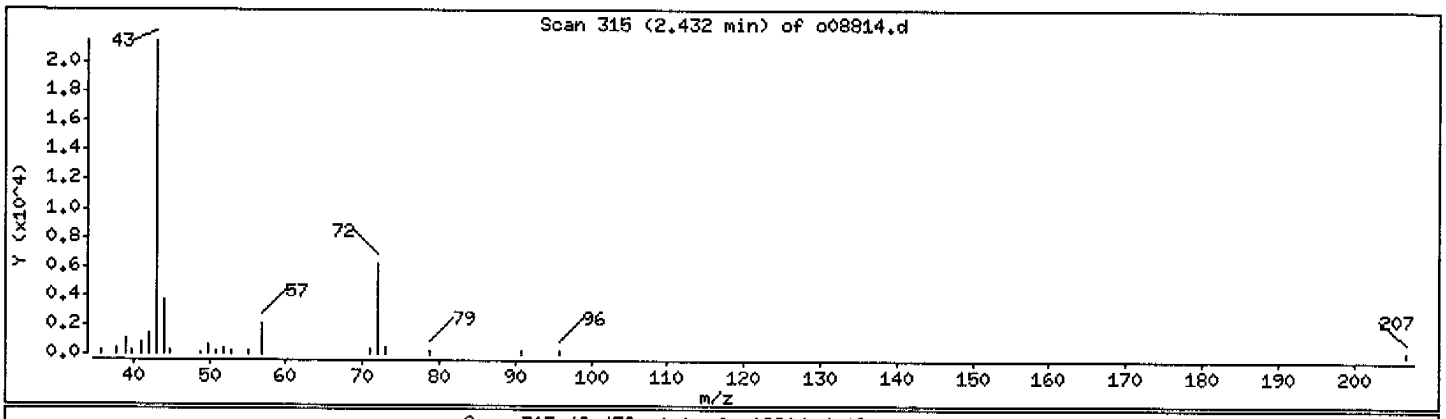
Client ID: B102-SS03 Instrument: VOAMS12.i

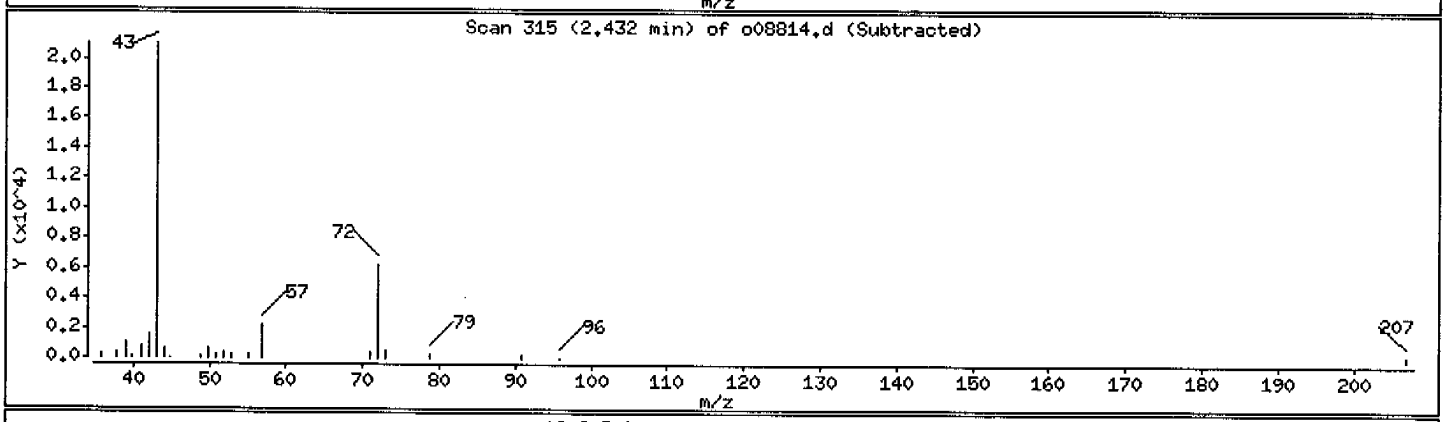
Sample Info: 765438;;;5.12;5

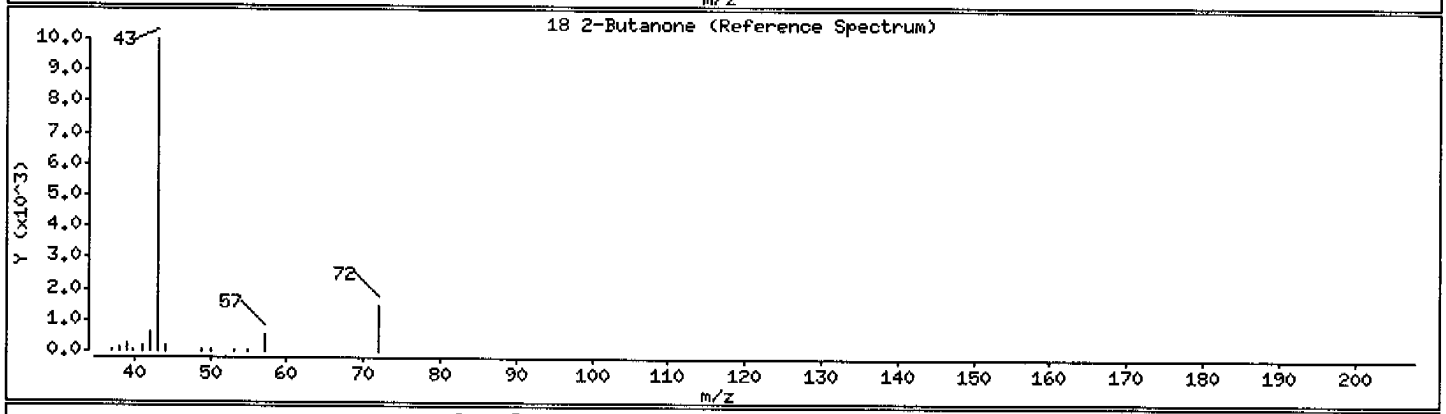
Operator: VOAMS 9

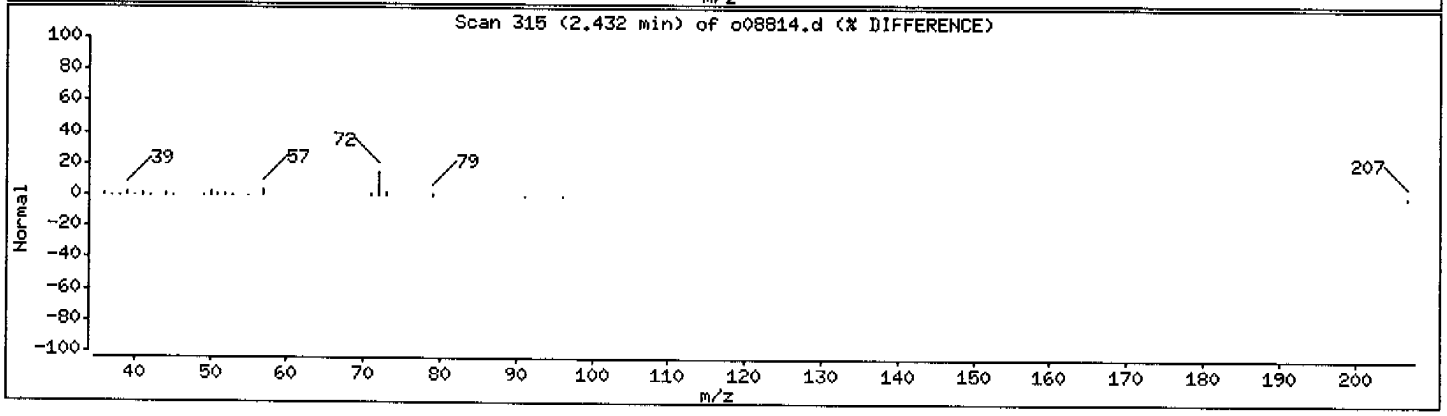
Column phase: DB624 Column diameter: 0.53

18 2-Butanone Concentration: 11 ug/Kg









Client ID: **B801-SS02**
Site: Sun Chemical SI

Lab Sample No: **765446**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08816.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.7
Bromomethane	ND	5.7
Vinyl Chloride	ND	5.7
Chloroethane	ND	5.7
Methylene Chloride	ND	3.4
Acetone	ND	5.7
Carbon Disulfide	ND	5.7
1,1-Dichloroethene	ND	2.3
1,1-Dichloroethane	ND	5.7
trans-1,2-Dichloroethene	ND	5.7
cis-1,2-Dichloroethene	ND	5.7
Chloroform	ND	5.7
1,2-Dichloroethane	ND	2.3
2-Butanone	ND	5.7
1,1,1-Trichloroethane	ND	5.7
Carbon Tetrachloride	ND	2.3
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.7
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.7
1,1,2-Trichloroethane	ND	3.4
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.7
Bromoform	ND	4.5
4-Methyl-2-Pentanone	ND	5.7
2-Hexanone	ND	5.7
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.7
Chlorobenzene	ND	5.7
Ethylbenzene	ND	4.5
Styrene	ND	5.7
Xylene (Total)	ND	5.7

Client ID: **B801-SS02**
Site: Sun Chemical SI

Lab Sample No: **765446**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08816.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 17.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08816.d
Report Date: 07-Sep-2006 12:14

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08816.d
Lab Smp Id: 765446 Client Smp ID: B801-SS02
Inj Date : 01-SEP-2006 18:57
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765446;;;5.36;5
Misc Info : W345;0744;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/8260L_05.m
Meth Date : 07-Sep-2006 11:32 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.36000	Weight of sample extracted (g)
M	17.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

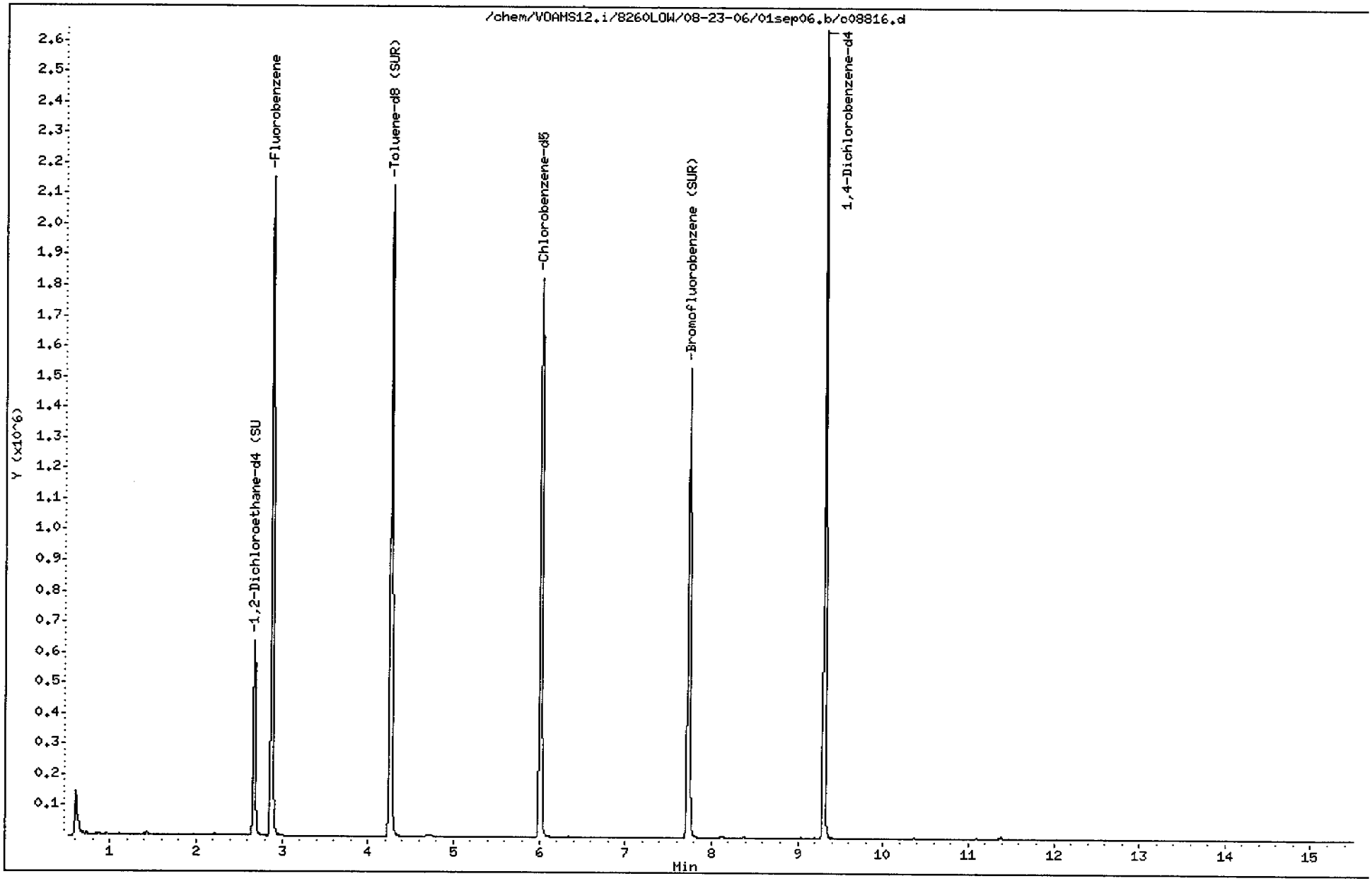
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.670	(0.930)	415700	40.5982	46
* 69 Fluorobenzene	96	2.877	2.871	(1.000)	1680941	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.261	4.255	(0.709)	1353690	50.7730	58
* 32 Chlorobenzene-d5	117	6.011	6.005	(1.000)	1168534	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.730	7.724	(0.831)	515857	55.1753	63
* 91 1,4-Dichlorobenzene-d4	152	9.303	9.303	(1.000)	647004	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08816.d
Date : 01-SEP-2006 18:57
Client ID: B801-SS02
Sample Info: 765446;;;5.36;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison
W345

Client ID: **B701-SS02**
Site: Sun Chemical SI

Lab Sample No: **765448**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08817.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Acetone	ND	5.5
Carbon Disulfide	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.5
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.5
Bromoform	ND	4.4
4-Methyl-2-Pentanone	ND	5.5
2-Hexanone	ND	5.5
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	ND	4.4
Styrene	ND	5.5
Xylene (Total)	ND	5.5

Client ID: **B701-SS02**
Site: Sun Chemical SI

Lab Sample No: **765448**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08817.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 22.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08817.d
Report Date: 07-Sep-2006 12:14

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08817.d
Lab Smp Id: 765448 Client Smp ID: B701-SS02
Inj Date : 01-SEP-2006 19:20
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765448;;;5.82;5
Misc Info : W345;0744;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/8260L_05.m
Meth Date : 07-Sep-2006 11:32 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.82000	Weight of sample extracted (g)
M	22.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

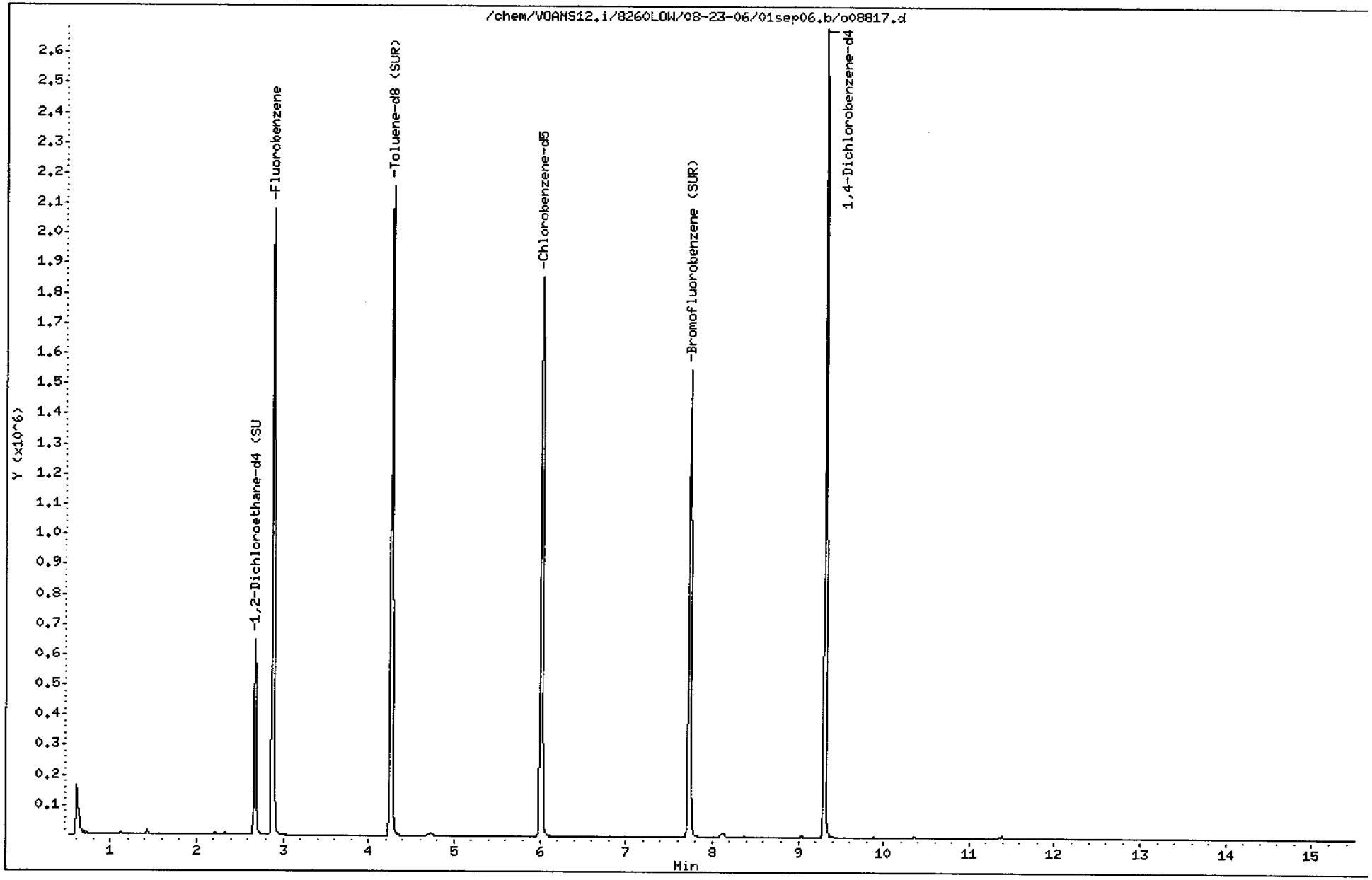
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.670	(0.930)	418937	41.8949	46
* 69 Fluorobenzene	96	2.877	2.871	(1.000)	1641599	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.261	4.255	(0.709)	1373796	50.9300	56
* 32 Chlorobenzene-d5	117	6.011	6.005	(1.000)	1182234	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.730	7.724	(0.831)	520974	55.0824	61
* 91 1,4-Dichlorobenzene-d4	152	9.303	9.303	(1.000)	654525	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08817.d
Date : 01-SEP-2006 19:20
Client ID: B701-SS02
Sample Info: 765448;;;5.82;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison
W345

Client ID: **B702-SS02**
Site: Sun Chemical SI

Lab Sample No: **765450**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08818.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 9

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.3
Bromomethane	ND	4.3
Vinyl Chloride	ND	4.3
Chloroethane	ND	4.3
Methylene Chloride	ND	2.6
Acetone	ND	4.3
Carbon Disulfide	ND	4.3
1,1-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	4.3
trans-1,2-Dichloroethene	ND	4.3
cis-1,2-Dichloroethene	ND	4.3
Chloroform	ND	4.3
1,2-Dichloroethane	ND	1.7
2-Butanone	ND	4.3
1,1,1-Trichloroethane	ND	4.3
Carbon Tetrachloride	ND	1.7
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.3
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.3
1,1,2-Trichloroethane	ND	2.6
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.3
Bromoform	ND	3.4
4-Methyl-2-Pentanone	ND	4.3
2-Hexanone	ND	4.3
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.3
Chlorobenzene	ND	4.3
Ethylbenzene	ND	3.4
Styrene	ND	4.3
Xylene (Total)	ND	4.3

Client ID: **B702-SS02**
Site: Sun Chemical SI

Lab Sample No: **765450**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08818.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 9.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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13.				
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15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08818.d
Report Date: 07-Sep-2006 12:14

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08818.d
Lab Smp Id: 765450 Client Smp ID: B702-SS02
Inj Date : 01-SEP-2006 19:43
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765450;;;6.43;5
Misc Info : W345;0744;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/8260L_05.m
Meth Date : 07-Sep-2006 11:32 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.43000	Weight of sample extracted (g)
M	9.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

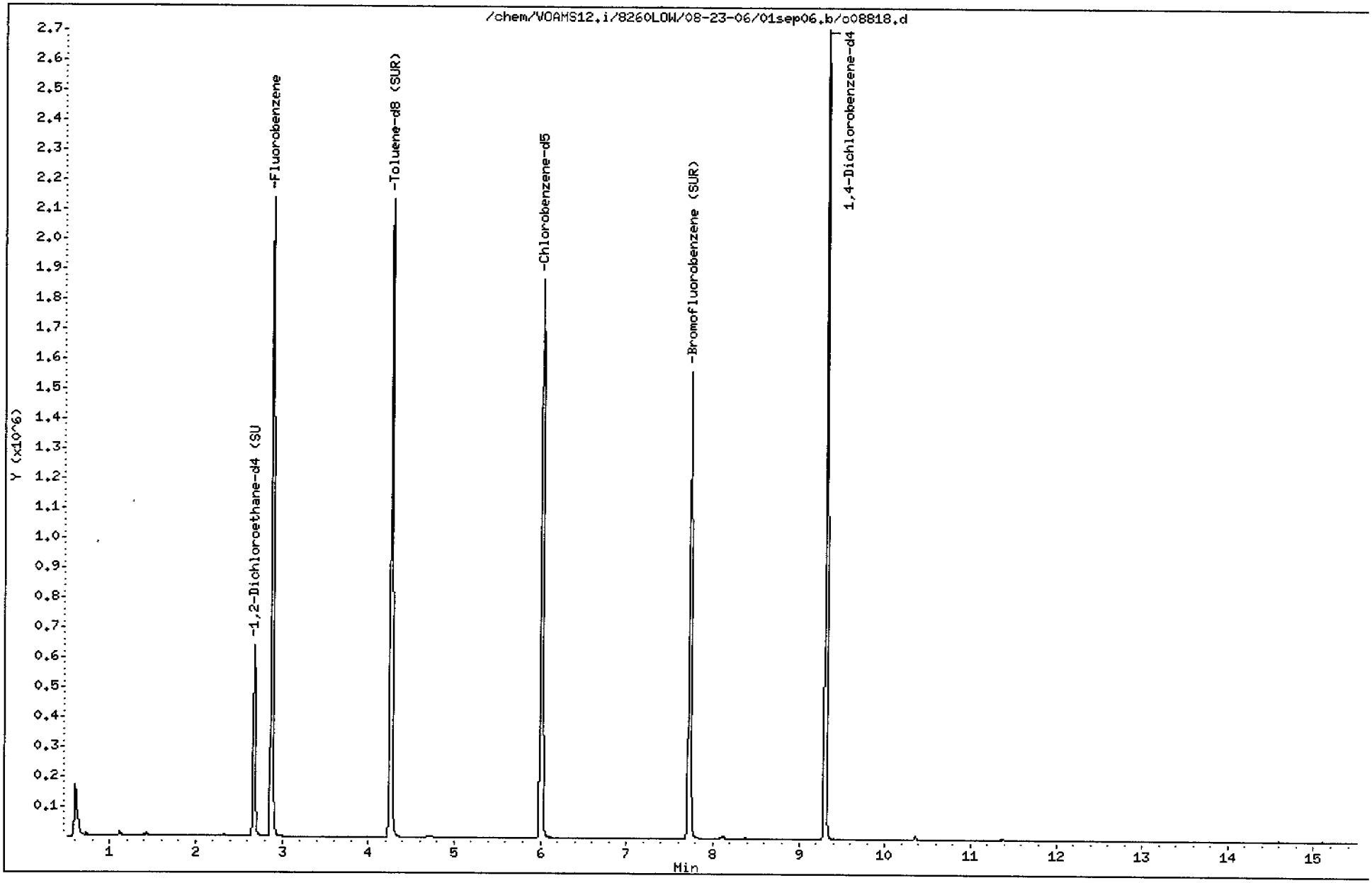
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.670	(0.930)	415971	41.1732	35
* 69 Fluorobenzene	96	2.877	2.871	(1.000)	1658545	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.261	4.255	(0.709)	1352192	50.3400	43
* 32 Chlorobenzene-d5	117	6.011	6.005	(1.000)	1177281	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.730	7.724	(0.831)	517610	54.1988	46
* 91 1,4-Dichlorobenzene-d4	152	9.303	9.303	(1.000)	660900	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08818.d
Date : 01-SEP-2006 19:43
Client ID: B702-SS02
Sample Info: 765450;;;6.43;5

Column phase: DB624

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison

W345

Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: J68327

BFB Injection Date: 08/25/06

Instrument ID: VOAMS8

BFB Injection Time: 1111

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	40.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	65.5
175	5.0 - 9.0% of mass 174	4.3 (6.6)1
176	95.0 - 101.0% of mass 174	64.0 (97.6)1
177	5.0 - 9.0% of mass 176	3.6 (5.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	JSTD005	JSTD005	J68328	08/25/06	1145
02	JSTD020	JSTD020	J68330	08/25/06	1237
03	JSTD050	JSTD050	J68331	08/25/06	1302
04	JSTD100	JSTD100	J68332	08/25/06	1328
05	JSTD200	JSTD200	J68333	08/25/06	1354
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/25aug06.b/j68327.d

Date : 25-AUG-2006 11:11

Client ID:

Instrument: VOAMS8.i

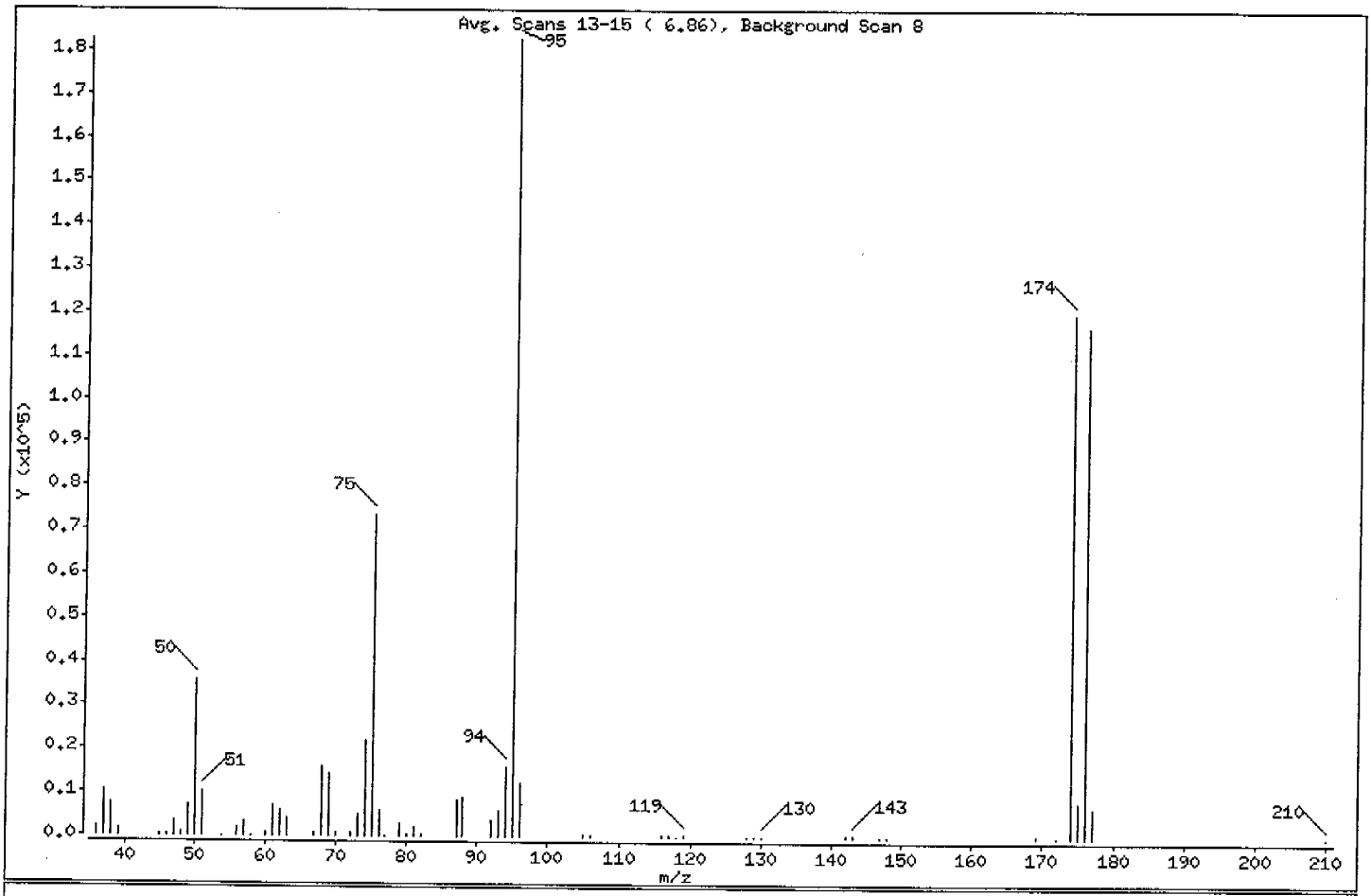
Sample Info: JBFB237 50ng

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.47
75	30.00 - 60.00% of mass 95	40.15
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	65.52
175	5.00 - 9.00% of mass 174	4.30 (6.57)
176	95.00 - 101.00% of mass 174	63.95 (97.60)
177	5.00 - 9.00% of mass 176	3.60 (5.63)

Date : 25-AUG-2006 11:11

Client ID:

Instrument: VOAMS8.i

Sample Info: JBFB237 50ng

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: j68327.d
Spectrum: Avg. Scans 13-15 (6.86), Background Scan 8
Location of Maximum: 95.00
Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2048	61.00	7011	82.00	610	130.00	199
37.00	10287	62.00	5982	87.00	8390	142.00	230
38.00	7714	63.00	4364	88.00	8661	143.00	400
39.00	1621	67.00	704	92.00	3595	147.00	208
45.00	381	68.00	15884	93.00	5696	148.00	205
46.00	240	69.00	14418	94.00	16010	169.00	231
47.00	3194	70.00	1008	95.00	182464	172.00	188
48.00	914	72.00	631	96.00	12178	174.00	119560
49.00	7162	73.00	5125	105.00	427	175.00	7852
50.00	35520	74.00	21864	106.00	500	176.00	116696
51.00	10012	75.00	73264	116.00	489	177.00	6566
54.00	206	76.00	5910	117.00	384	210.00	174
56.00	1925	77.00	154	118.00	187		
57.00	3270	79.00	2950	119.00	519		
58.00	178	80.00	357	128.00	191		
60.00	838	81.00	2261	129.00	194		

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/25aug06.b/j68327.d

Date : 25-AUG-2006 11:11

Client ID:

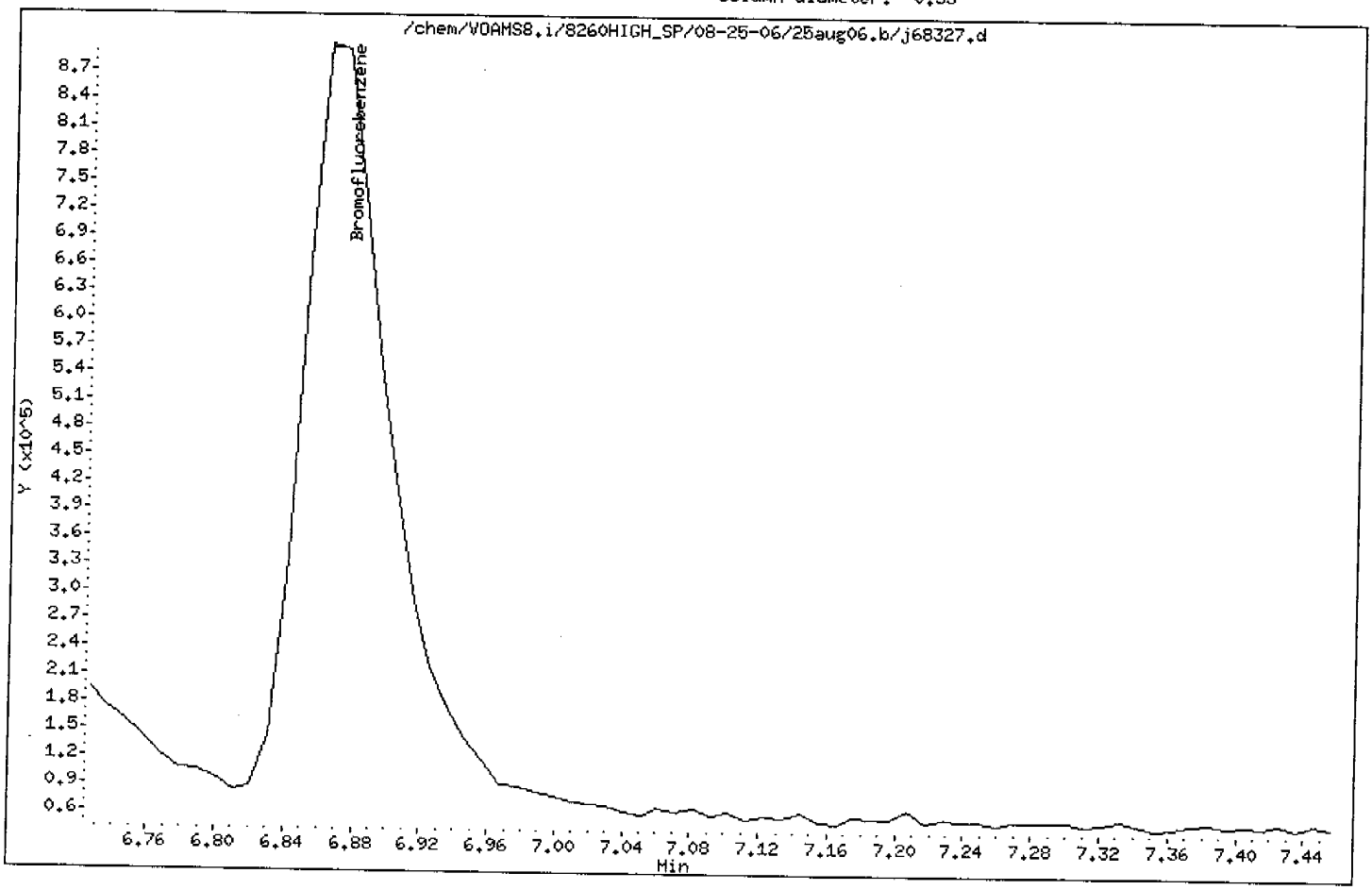
Instrument: VOAMS8.i

Sample Info: JBFB237 50ng

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: J68472

BFB Injection Date: 09/01/06

Instrument ID: VOAMS8

BFB Injection Time: 0820

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	42.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	68.2
175	5.0 - 9.0% of mass 174	4.9 (7.2)1
176	95.0 - 101.0% of mass 174	65.8 (96.4)1
177	5.0 - 9.0% of mass 176	3.7 (5.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	JSTD244	JSTD244	J68473	09/01/06	0845
02	JV244	JV244	J68476	09/01/06	1017
03	B101-SS01	765429	J68487	09/01/06	1507
04	B101-SS02	765430	J68488	09/01/06	1536
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68472.d

Date : 01-SEP-2006 08:20

Client ID:

Instrument: VOAMS8.i

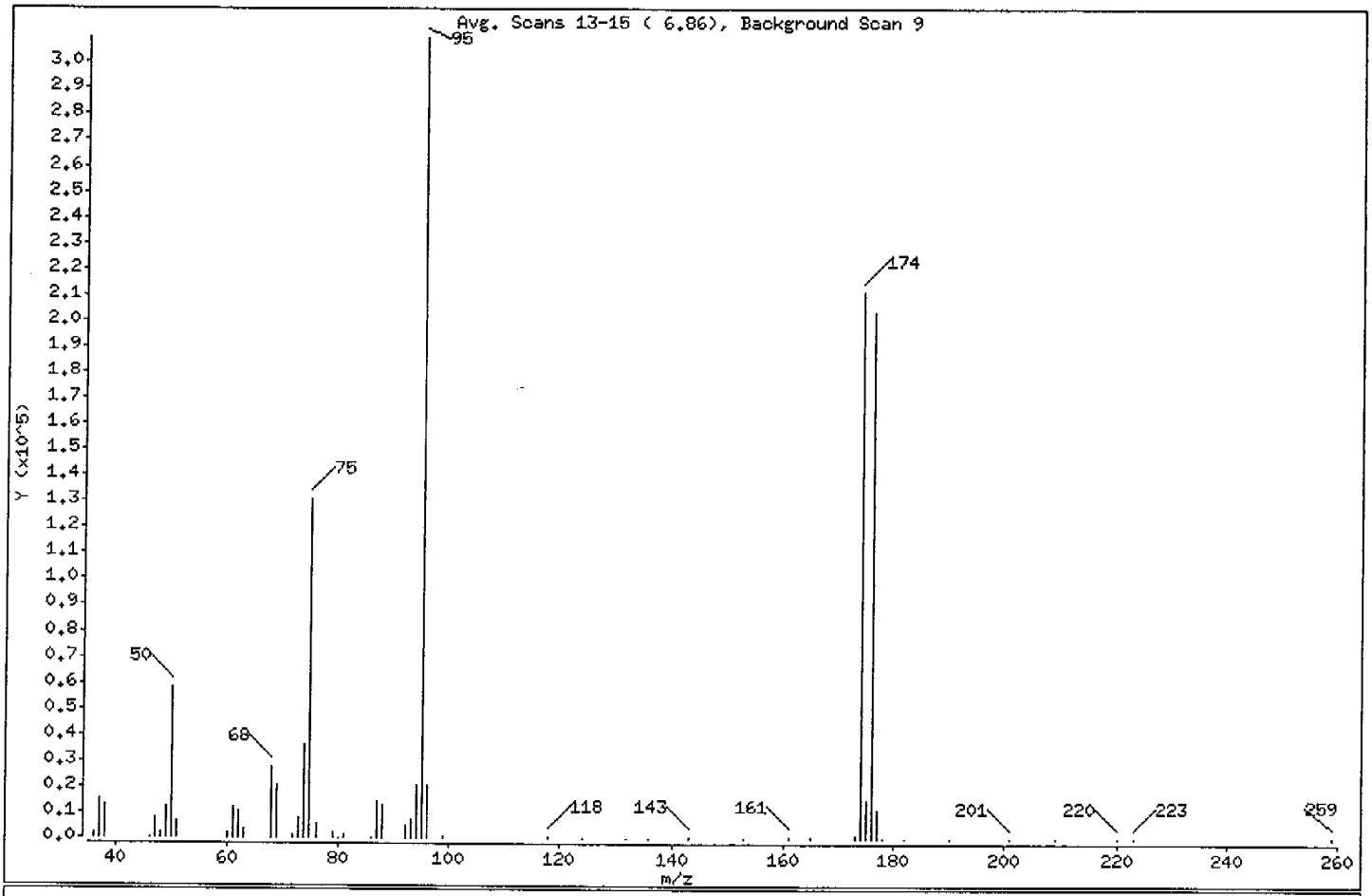
Sample Info: JBFB244 50ng

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.75
75	30.00 - 60.00% of mass 95	42.31
96	5.00 - 9.00% of mass 95	6.77
173	Less than 2.00% of mass 174	0.36 (0.53)
174	50.00 - 100.00% of mass 95	68.22
175	5.00 - 9.00% of mass 174	4.93 (7.22)
176	95.00 - 101.00% of mass 174	65.80 (96.45)
177	5.00 - 9.00% of mass 176	3.71 (5.63)

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68472.d

Date : 01-SEP-2006 08:20

Client ID:

Instrument: VOAMS8.i

Sample Info: JBFB244 50ng

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: j68472.d
Spectrum: Avg. Scans 13-15 (6.86), Background Scan 9
Location of Maximum: 95.00
Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1960	69.00	20960	94.00	20888	175.00	15243
37.00	14994	72.00	1397	95.00	309440	176.00	203584
38.00	12929	73.00	8043	96.00	20936	177.00	11469
46.00	117	74.00	36160	99.00	481	178.00	202
47.00	7823	75.00	130936	118.00	393	182.00	185
48.00	1814	76.00	5383	124.00	209	190.00	191
49.00	11862	79.00	1970	132.00	194	201.00	346
50.00	58024	80.00	172	136.00	218	209.00	73
51.00	6538	81.00	1212	143.00	708	220.00	225
60.00	1809	86.00	178	153.00	94	223.00	278
61.00	12056	87.00	14446	161.00	379	259.00	361
62.00	10381	88.00	12874	165.00	379		
63.00	3485	92.00	5016	173.00	1125		
68.00	27984	93.00	7172	174.00	211136		

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68472.d

Date : 01-SEP-2006 08:20

Client ID:

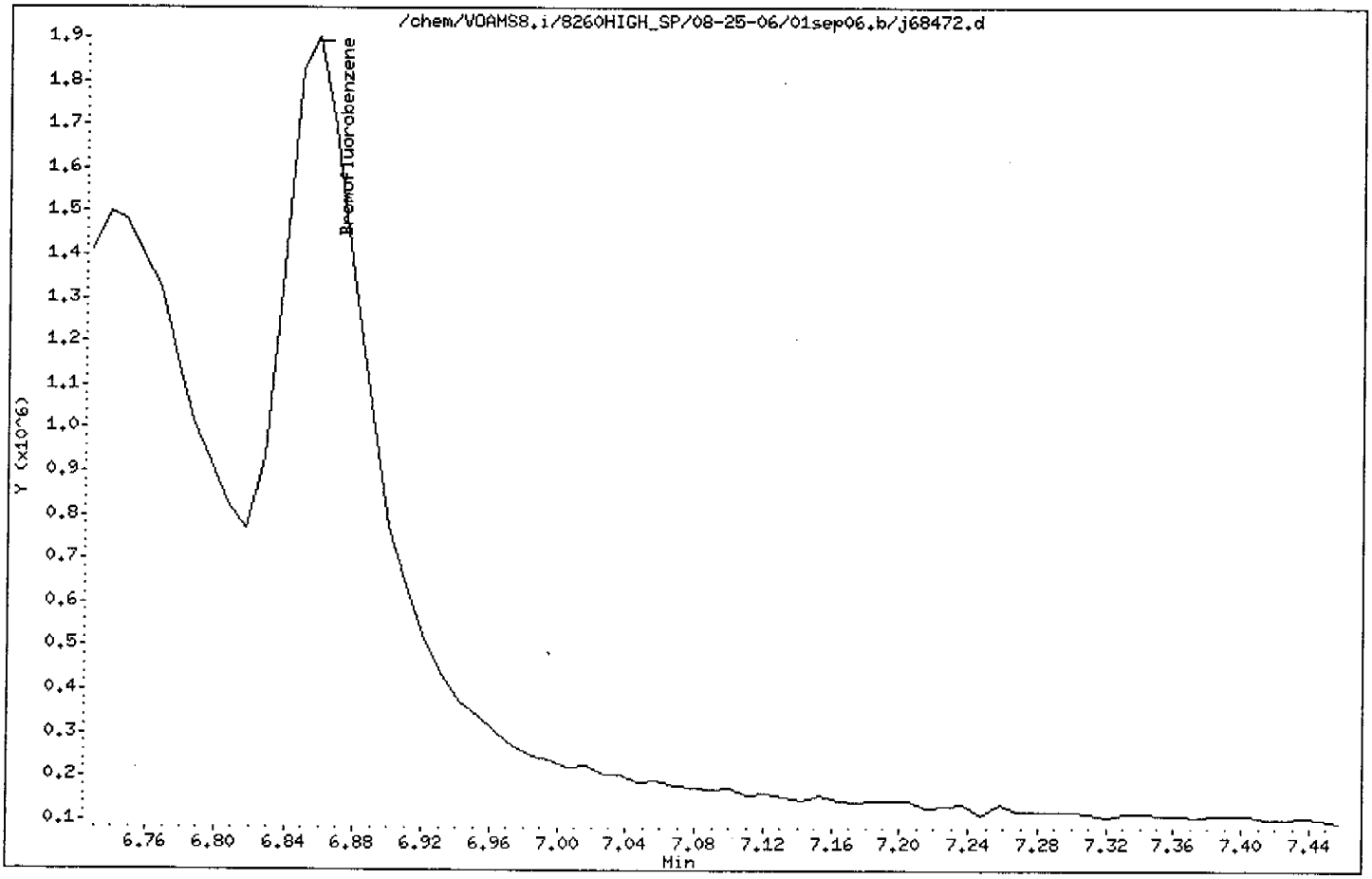
Instrument: VOAMS8.i

Sample Info: JBFB244 50ng

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: O08680

BFB Injection Date: 08/23/06

Instrument ID: VOAMS12

BFB Injection Time: 1537

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	5.9 (7.1)1
176	95.0 - 101.0% of mass 174	80.4 (96.6)1
177	5.0 - 9.0% of mass 176	5.1 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OSTD005	OSTD005	O08681	08/23/06	1553
02	OSTD020	OSTD020	O08682	08/23/06	1618
03	OSTD050	OSTD050	O08683	08/23/06	1644
04	OSTD100	OSTD100	O08684	08/23/06	1709
05	OSTD200	OSTD200	O08685	08/23/06	1734
06					
07					
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18					
19					
20					
21					
22					

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

Instrument: VOAMS12.i

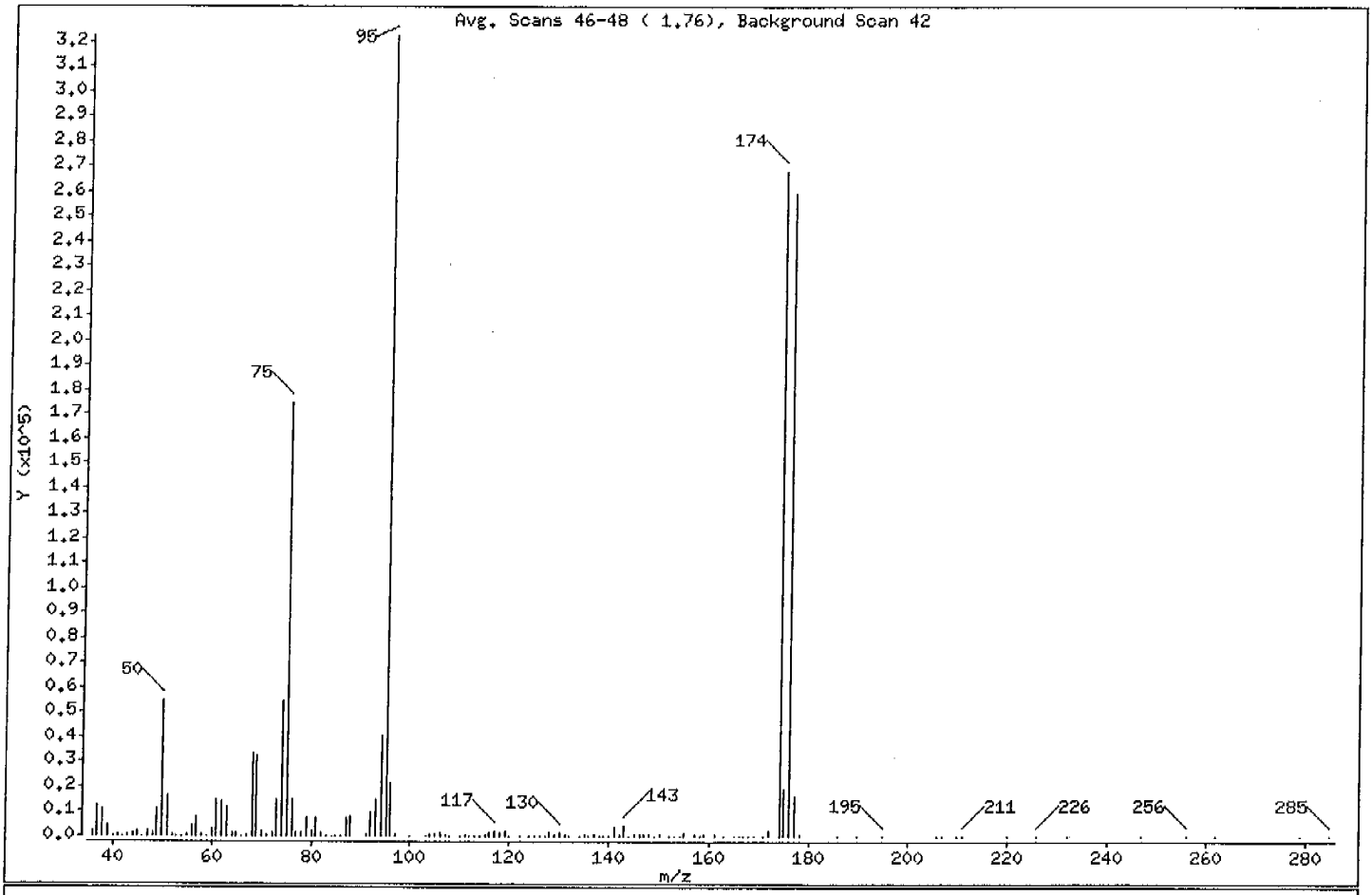
Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.95
75	30.00 - 60.00% of mass 95	54.17
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	83.28
175	5.00 - 9.00% of mass 174	5.91 (7.10)
176	95.00 - 101.00% of mass 174	80.43 (96.58)
177	5.00 - 9.00% of mass 176	5.10 (6.35)

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08680.d

Spectrum: Avg. Scans 46-48 (1.76), Background Scan 42

Location of Maximum: 95.00

Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2531	72.00	1766	115.00	611	155.00	1115
37.00	12934	73.00	14711	116.00	1296	157.00	808
38.00	10867	74.00	54712	117.00	2189	158.00	149
39.00	4380	75.00	174336	118.00	1464	159.00	578
40.00	152	76.00	14993	119.00	1914	161.00	449
41.00	488	77.00	1590	120.00	119	163.00	54
42.00	236	78.00	1111	122.00	119	165.00	50
43.00	678	79.00	7713	124.00	123	166.00	56
44.00	1827	80.00	2456	125.00	92	167.00	57
45.00	2336	81.00	7659	126.00	159	168.00	92
46.00	116	82.00	1590	127.00	131	169.00	79
47.00	2274	83.00	205	128.00	1199	171.00	253
48.00	1689	84.00	64	129.00	732	172.00	2145
49.00	11455	85.00	295	130.00	1522	174.00	268096
50.00	54552	86.00	53	131.00	502	175.00	19024
51.00	16014	87.00	7733	132.00	129	176.00	258944
52.00	1052	88.00	8075	134.00	69	177.00	16432
53.00	159	91.00	1017	135.00	581	178.00	506
54.00	213	92.00	9562	136.00	271	186.00	68
55.00	456	93.00	14477	137.00	879	190.00	55
56.00	4778	94.00	40400	138.00	52	195.00	174
57.00	8135	95.00	321920	139.00	184	206.00	51
58.00	373	96.00	21600	140.00	306	207.00	97
59.00	142	97.00	523	141.00	4065	210.00	57
60.00	3138	100.00	62	142.00	516	211.00	154
61.00	14796	103.00	51	143.00	4163	220.00	53
62.00	14393	104.00	1034	144.00	229	226.00	84
63.00	11533	105.00	461	145.00	614	232.00	50
64.00	1334	106.00	1702	146.00	623	247.00	59
65.00	1152	107.00	464	147.00	384	256.00	136
66.00	161	108.00	58	148.00	966	262.00	65
67.00	763	110.00	266	149.00	288	279.00	55
68.00	33528	111.00	371	150.00	452	285.00	69
69.00	32608	112.00	236	152.00	286		
70.00	2326	113.00	269	153.00	366		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08680.d

Spectrum: Avg. Scans 46-48 (1.76), Background Scan 42

Location of Maximum: 95.00

Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	441	114.00	96	154.00	144		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

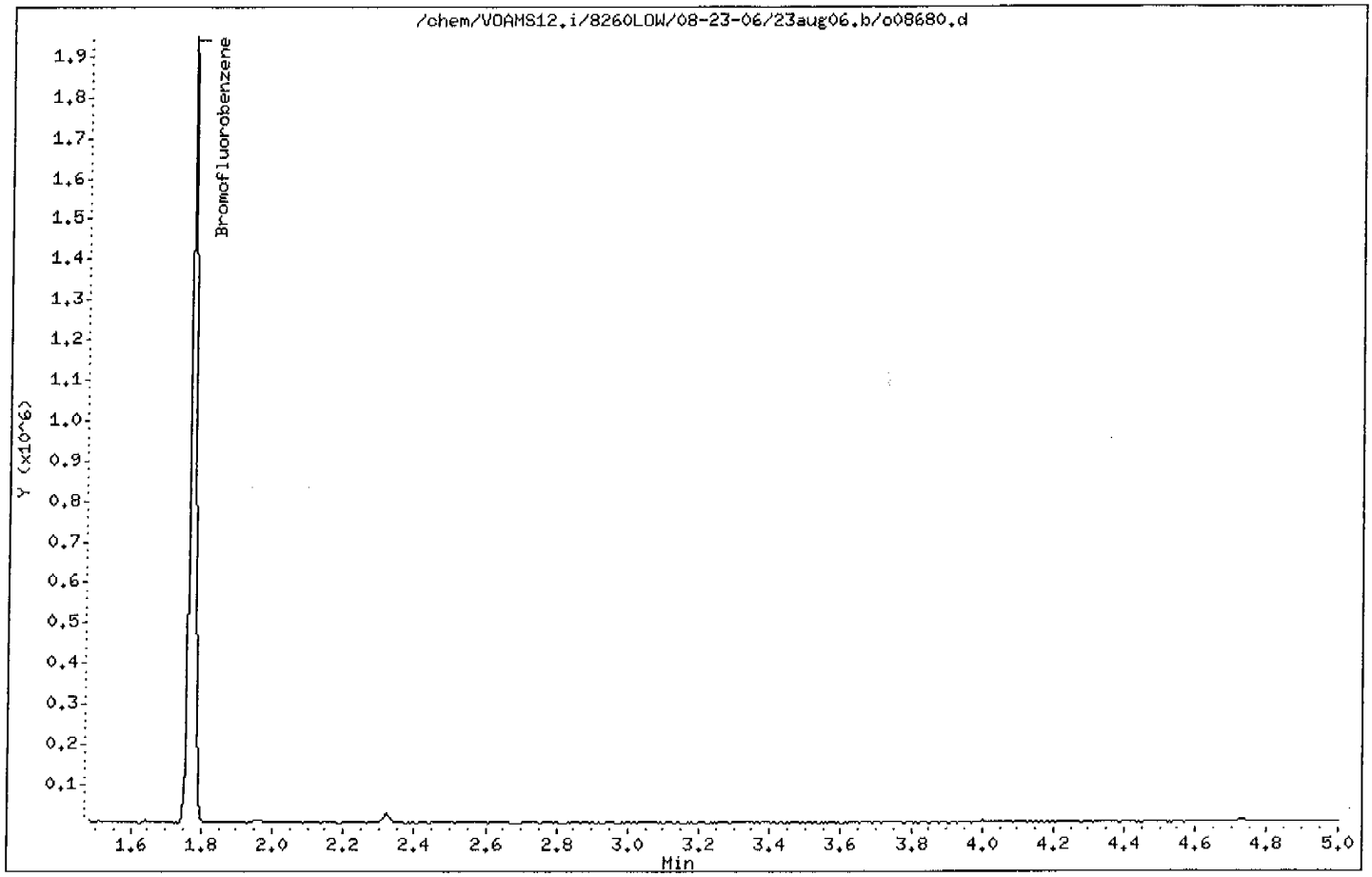
Instrument: VOAMS12.i

Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: O08769

BFB Injection Date: 08/30/06

Instrument ID: VOAMS12

BFB Injection Time: 1327

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 60.0% of mass 95	53.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1.0)1
174	50.0 - 100.0% of mass 95	78.1
175	5.0 - 9.0% of mass 174	6.0 (7.7)1
176	95.0 - 101.0% of mass 174	75.5 (96.6)1
177	5.0 - 9.0% of mass 176	4.7 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OSTD242	OSTD242	O08771	08/30/06	1408
02	OV242	OV242	O08774	08/30/06	1533
03	B903-SS01	765418	O08781	08/30/06	1816
04	B903-SS02	765419	O08782	08/30/06	1839
05	B902-SS01	765420	O08783	08/30/06	1903
06	B902-SS02	765421	O08784	08/30/06	1926
07	B905-SS01	765422	O08785	08/30/06	1949
08	B905-SS02	765423	O08786	08/30/06	2012
09	B901-SS01	765424	O08787	08/30/06	2035
10	B901-SS02	765425	O08788	08/30/06	2059
11	B904-SS01	765426	O08789	08/30/06	2122
12	B904-SS01D	765427	O08790	08/30/06	2145
13	B904-SS02	765428	O08791	08/30/06	2208
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08769.d

Date : 30-AUG-2006 13:27

Client ID:

Instrument: VOAMS12.i

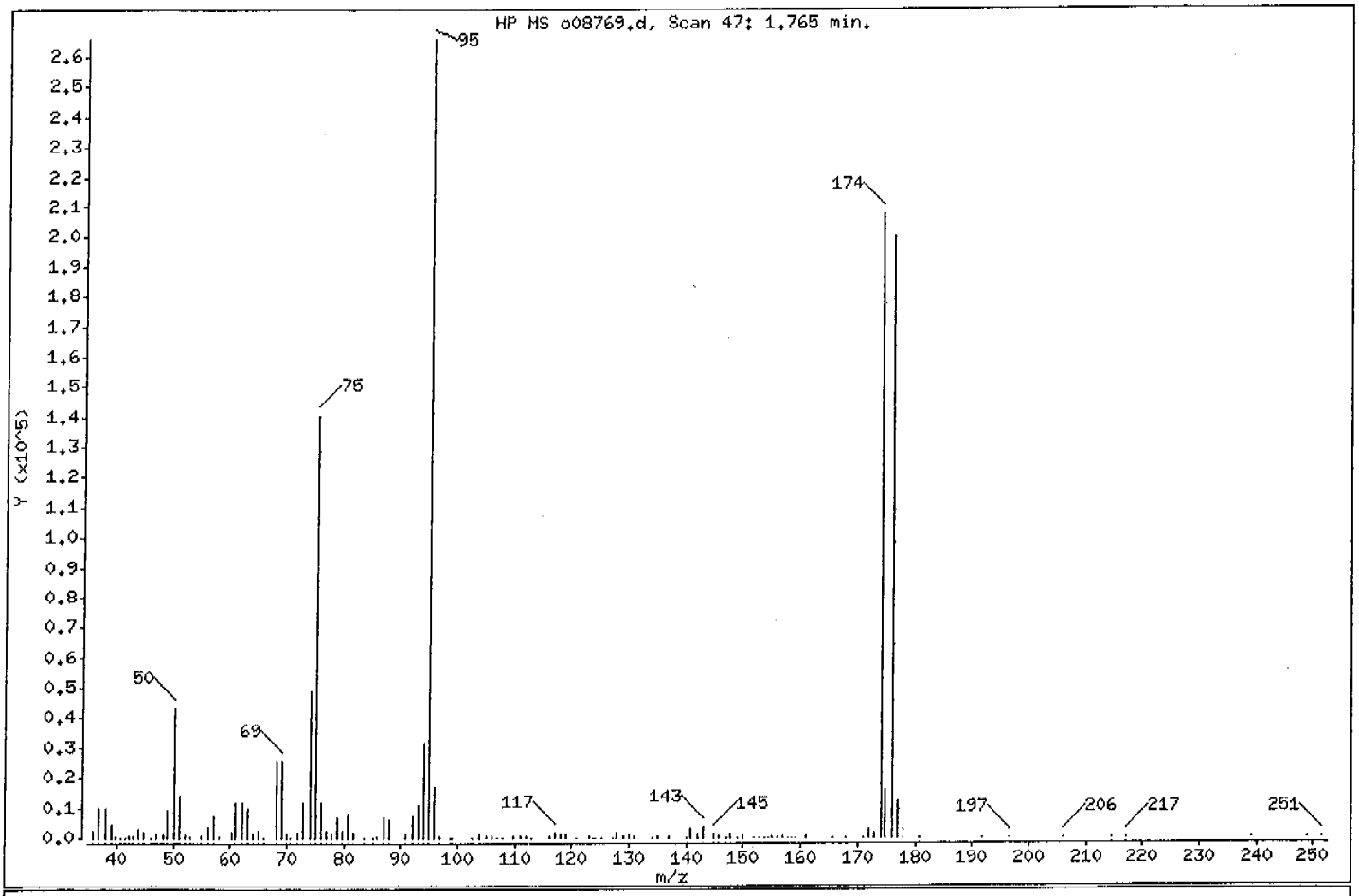
Sample Info: OBFB242

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.25
75	30.00 - 60.00% of mass 95	52.95
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.80 (1.03)
174	50.00 - 100.00% of mass 95	78.12
175	5.00 - 9.00% of mass 174	5.98 (7.66)
176	95.00 - 101.00% of mass 174	75.46 (96.61)
177	5.00 - 9.00% of mass 176	4.70 (6.22)

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08769.d

Date : 30-AUG-2006 13:27

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB242

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08769.d
Spectrum: HP MS o08769.d, Scan 47: 1.765 min.
Location of Maximum: 95.00
Number of points: 127

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2458	69.90	1409	107.90	176	149.90	482
37.00	9976	70.60	163	109.80	379	151.90	208
38.00	9915	71.90	1660	111.10	349	152.80	196
39.00	4359	73.00	11903	112.00	370	153.70	150
39.80	905	74.00	48952	112.90	155	154.20	222
40.80	232	75.00	140608	116.00	808	154.90	736
41.70	235	76.00	11364	117.00	2050	156.00	256
42.40	330	76.90	2296	117.90	1092	156.90	505
42.90	319	78.00	1011	118.90	1477	157.80	264
43.90	3010	78.90	6949	120.80	168	158.30	272
44.90	1703	79.90	2468	123.00	385	159.10	294
46.20	230	80.90	7866	123.80	217	160.90	383
47.10	1197	81.80	1751	124.10	282	165.70	196
48.10	1354	83.70	200	125.10	181	167.80	175
49.00	9182	85.20	260	127.00	196	171.00	284
50.00	43152	85.90	747	127.90	1617	172.00	2824
51.00	14159	87.00	6789	129.00	504	173.00	2136
51.90	1106	88.00	6077	129.90	1107	174.00	207424
52.90	391	90.80	1052	130.90	552	174.90	15885
54.90	671	92.00	7232	134.00	174	176.00	200384
56.10	3559	93.00	10861	134.90	739	177.00	12467
57.00	7514	94.00	31536	136.80	671	178.00	276
58.00	431	95.00	265536	140.00	185	180.80	215
60.10	1811	96.00	17184	140.80	2788	191.90	239
61.00	11361	97.00	610	141.90	922	196.70	258
62.00	11301	98.70	174	143.00	3781	206.00	175
63.00	9858	99.20	167	144.90	1388	214.50	153
64.00	1514	102.60	213	145.80	746	217.10	221
65.00	2223	103.90	1217	147.00	234	239.00	185
65.80	274	105.00	477	147.70	1037	248.80	178
68.00	25648	105.90	887	148.80	264	251.40	226
69.00	25936	106.90	260	149.00	259		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08769.d

Date : 30-AUG-2006 13:27

Client ID:

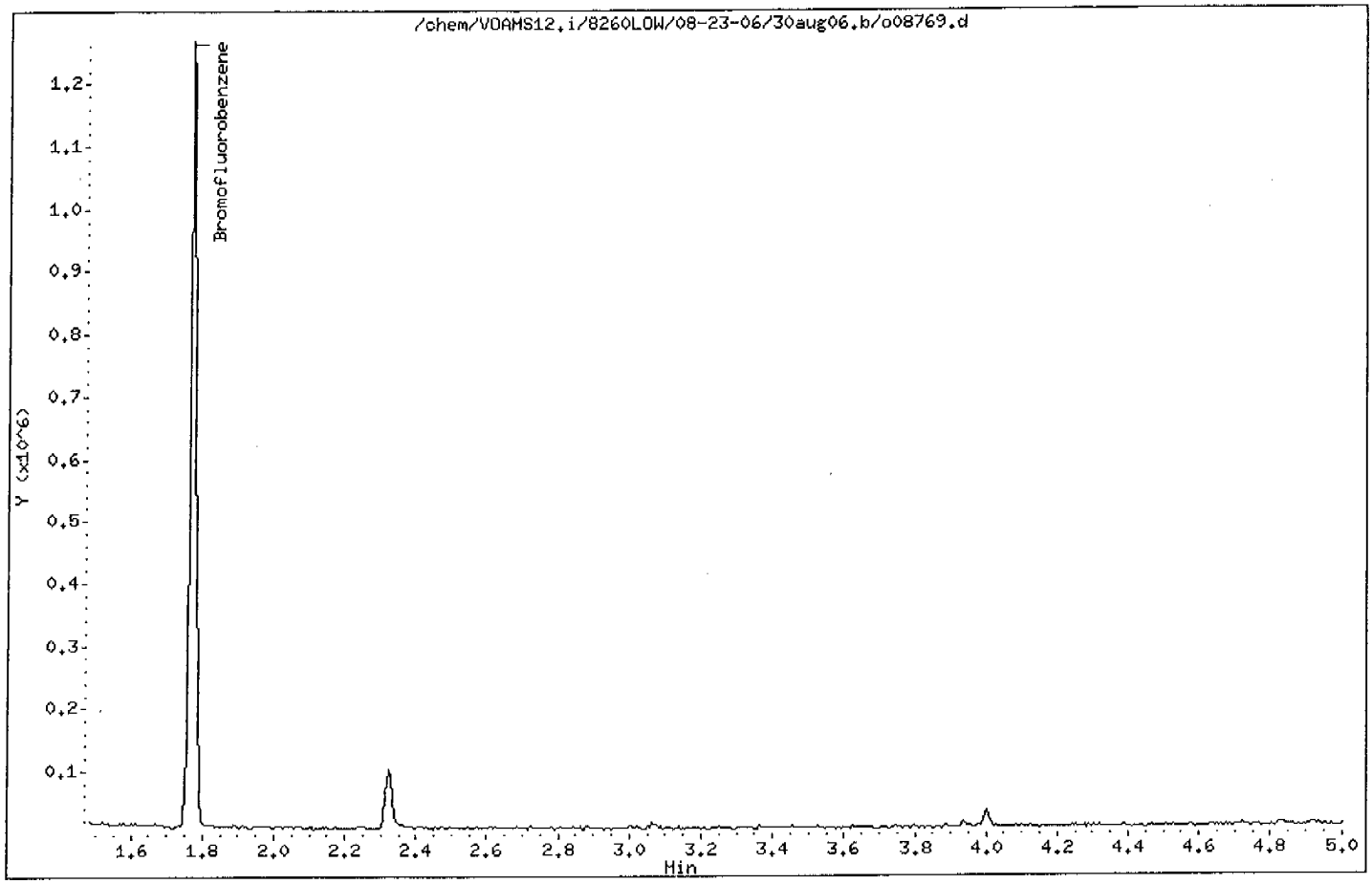
Instrument: VOAMS12.i

Sample Info: OBFB242

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: O08792

BFB Injection Date: 09/01/06

Instrument ID: VOAMS12

BFB Injection Time: 0921

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.9)1
174	50.0 - 100.0% of mass 95	81.3
175	5.0 - 9.0% of mass 174	6.4 (7.9)1
176	95.0 - 101.0% of mass 174	81.0 (99.7)1
177	5.0 - 9.0% of mass 176	4.9 (6.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OSTD244	OSTD244	O08794	09/01/06	1000
02	OV244	OV244	O08797	09/01/06	1127
03	B101-SS03	765431	O08805	09/01/06	1441
04	B101-SS03MS	765431MS	O08810	09/01/06	1637
05	B101-SS03MSD	765431MSD	O08811	09/01/06	1700
06	B102-SS02	765437	O08813	09/01/06	1747
07	B102-SS03	765438	O08814	09/01/06	1810
08	B902-SS02R1	765421R1	O08815	09/01/06	1833
09	B801-SS02	765446	O08816	09/01/06	1857
10	B701-SS02	765448	O08817	09/01/06	1920
11	B702-SS02	765450	O08818	09/01/06	1943
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08792.d

Date : 01-SEP-2006 09:21

Client ID:

Instrument: VOAMS12.i

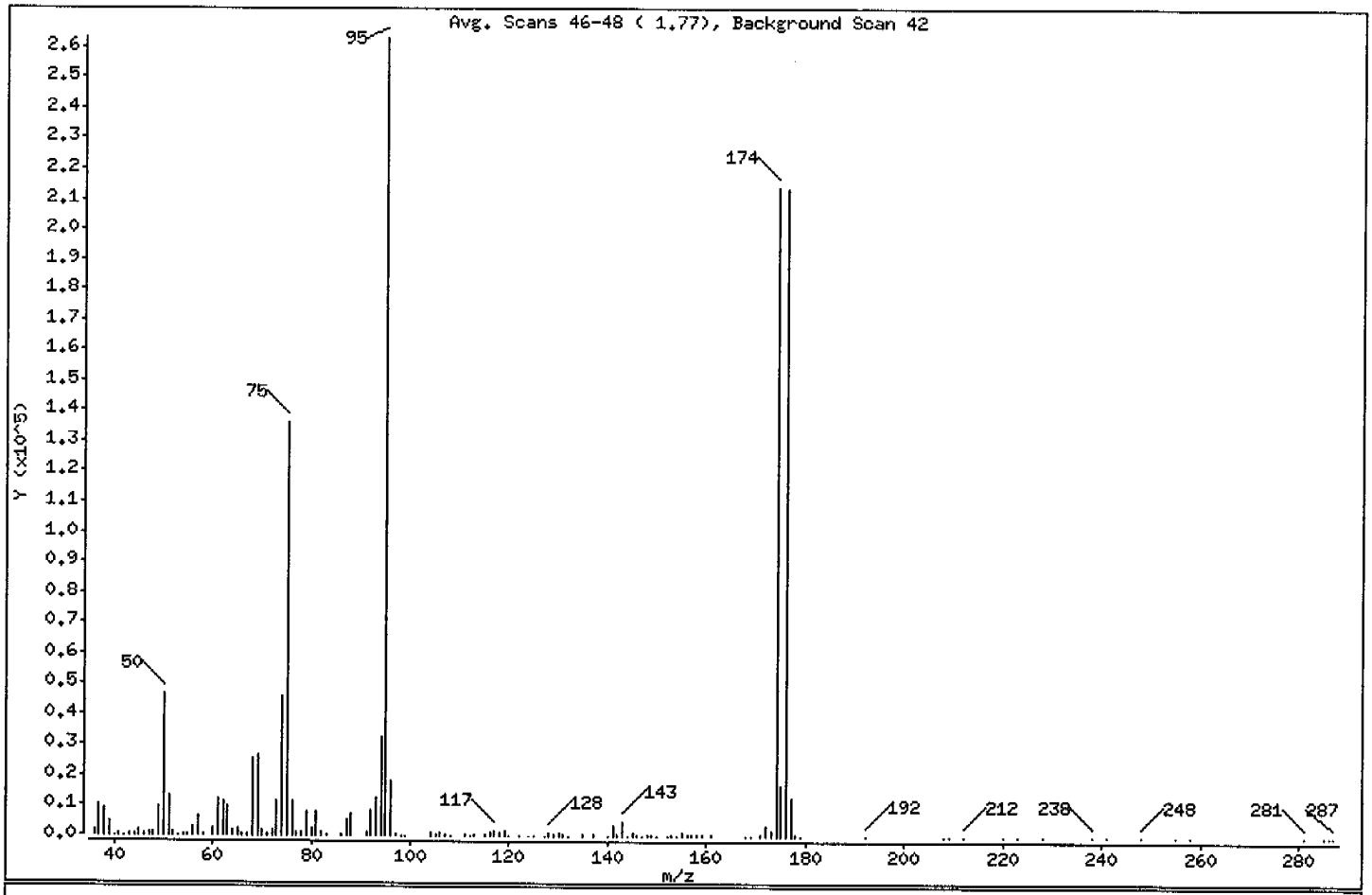
Sample Info: OBFB244

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.71
75	30.00 - 60.00% of mass 95	51.64
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.74 (0.91)
174	50.00 - 100.00% of mass 95	81.29
175	5.00 - 9.00% of mass 174	6.42 (7.90)
176	95.00 - 101.00% of mass 174	81.03 (99.68)
177	5.00 - 9.00% of mass 176	4.87 (6.01)

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08792.d

Date : 01-SEP-2006 09:21

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB244

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08792.d
Spectrum: Avg. Scans 46-48 (1.77), Background Scan 42
Location of Maximum: 95.00
Number of points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1894	70.00	1873	113.00	394	156.00	349
37.00	10389	71.00	363	115.00	360	157.00	784
38.00	9316	72.00	1691	116.00	969	158.00	397
39.00	4661	73.00	11433	117.00	2097	159.00	613
40.00	88	74.00	45952	118.00	1270	161.00	675
41.00	792	75.00	135744	119.00	1611	168.00	118
42.00	189	76.00	11779	120.00	58	169.00	61
43.00	571	77.00	1443	122.00	57	171.00	466
44.00	744	78.00	1291	124.00	165	172.00	3390
45.00	2022	79.00	7892	125.00	68	173.00	1948
46.00	353	80.00	2397	127.00	107	174.00	213760
47.00	1495	81.00	7861	128.00	1283	175.00	16888
48.00	1197	82.00	1390	129.00	821	176.00	213056
49.00	9645	83.00	374	130.00	1098	177.00	12796
50.00	46576	86.00	317	131.00	506	178.00	577
51.00	13176	87.00	5495	132.00	60	179.00	69
52.00	1054	88.00	6969	135.00	856	192.00	62
53.00	256	91.00	974	137.00	730	208.00	71
54.00	487	92.00	8269	140.00	215	209.00	58
55.00	601	93.00	12607	141.00	3348	212.00	119
56.00	3303	94.00	32712	142.00	482	220.00	65
57.00	6785	95.00	262912	143.00	4676	223.00	62
58.00	463	96.00	17848	144.00	255	228.00	61
60.00	2271	97.00	803	145.00	1292	238.00	202
61.00	12153	98.00	69	146.00	738	241.00	67
62.00	11674	99.00	53	147.00	256	248.00	67
63.00	9943	104.00	1314	148.00	867	255.00	50
64.00	1767	105.00	397	149.00	372	258.00	67
65.00	2199	106.00	1002	150.00	169	281.00	218
66.00	437	107.00	384	152.00	289	285.00	70
67.00	778	108.00	218	153.00	316	286.00	55
68.00	25264	111.00	310	154.00	179	287.00	88
69.00	26712	112.00	162	155.00	966		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08792.d

Date : 01-SEP-2006 09:21

Client ID:

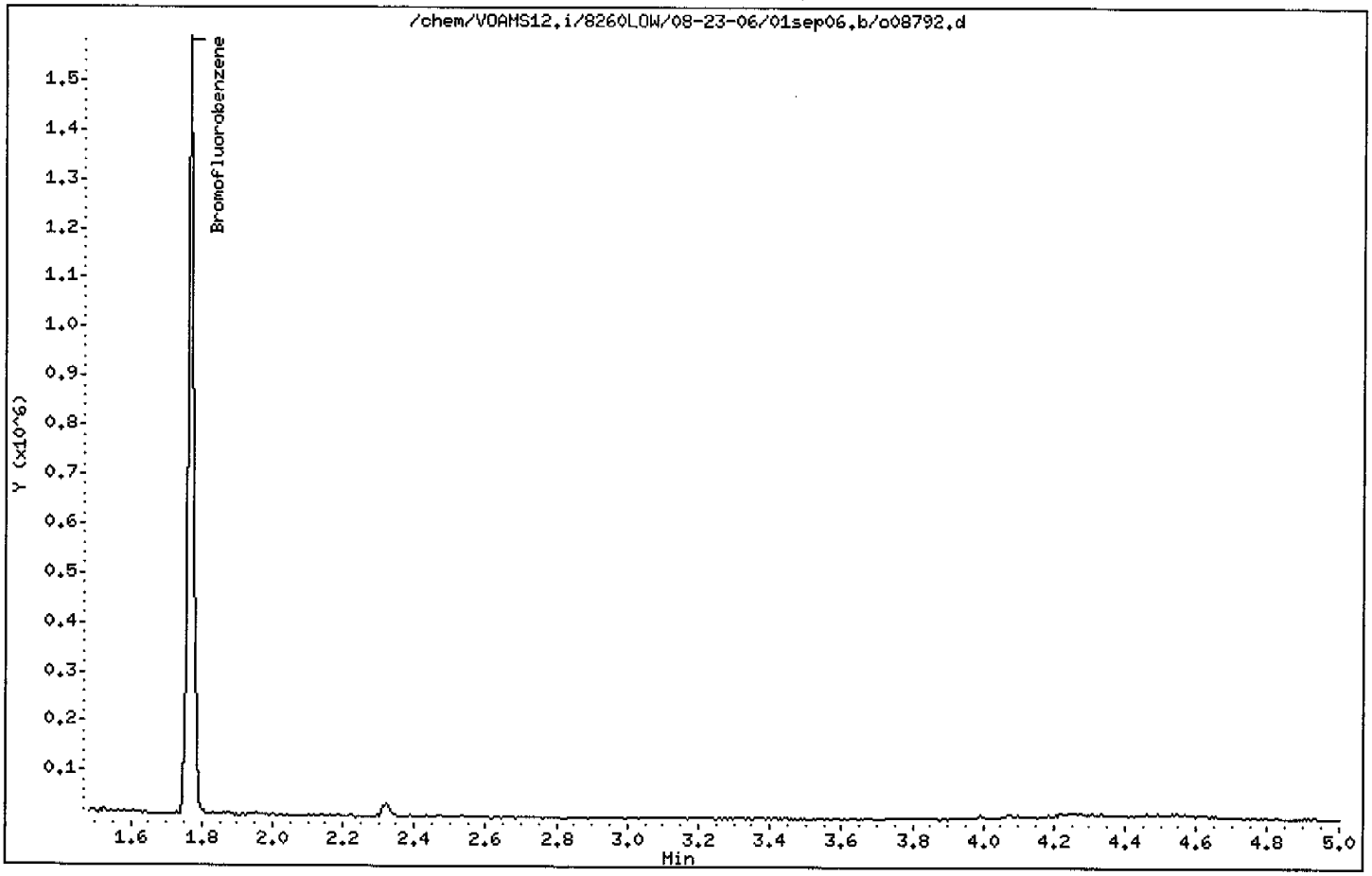
Instrument: VOAMS12.i

Sample Info: OBFB244

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: O08819

BFB Injection Date: 09/05/06

Instrument ID: VOAMS12

BFB Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	86.6
175	5.0 - 9.0% of mass 174	6.6 (7.6)1
176	95.0 - 101.0% of mass 174	85.2 (98.4)1
177	5.0 - 9.0% of mass 176	5.3 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OSTD248	OSTD248	O08820	09/05/06	1152
02	OV248	OV248	O08823	09/05/06	1309
03	B102-SS01	765436	O08838	09/05/06	1902
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08819.d

Date : 05-SEP-2006 11:35

Client ID:

Instrument: VOAMS12.i

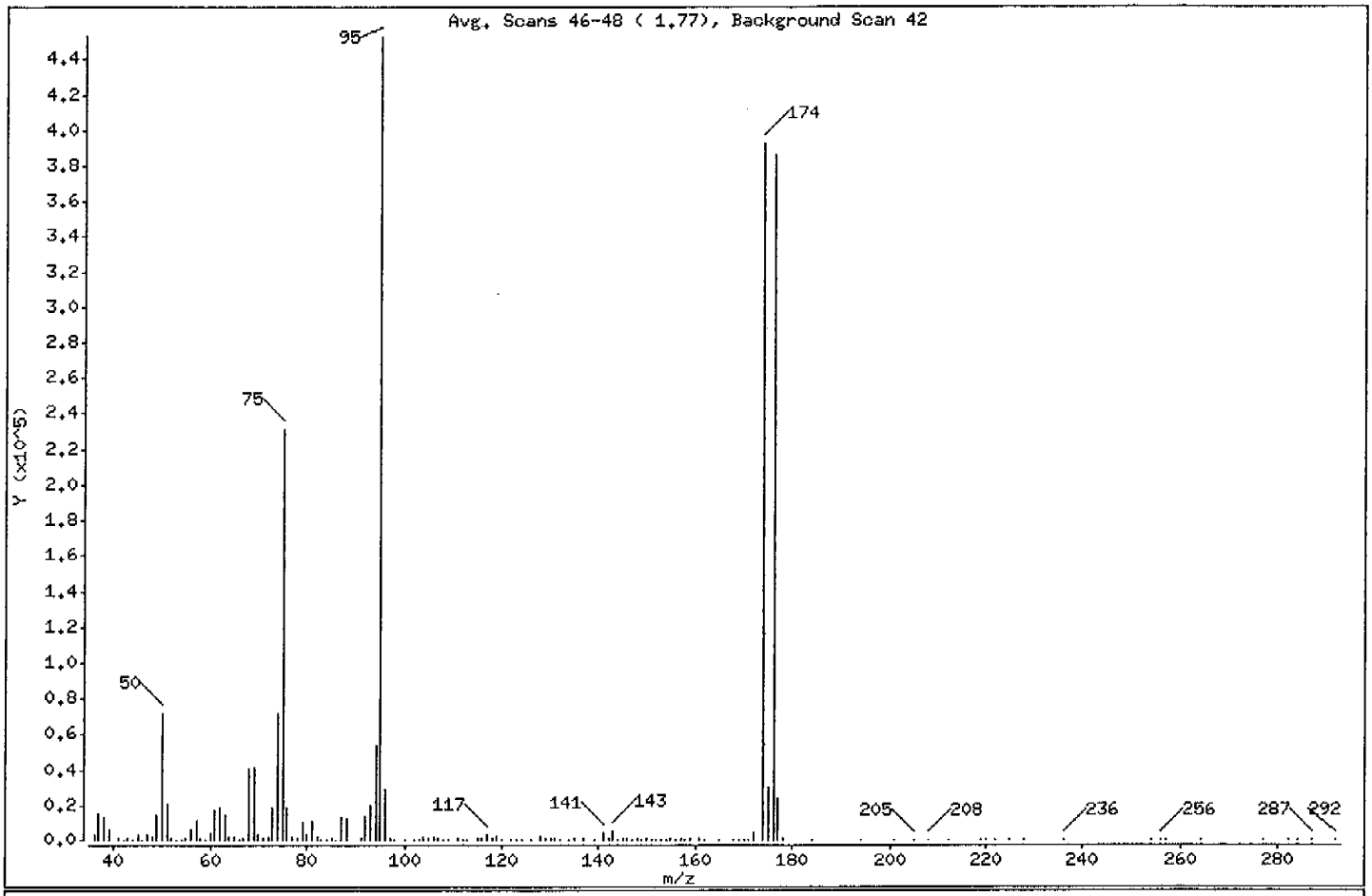
Sample Info: OBFB248

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.85
75	30.00 - 60.00% of mass 95	50.95
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	86.61
175	5.00 - 9.00% of mass 174	6.62 (7.65)
176	95.00 - 101.00% of mass 174	85.21 (98.39)
177	5.00 - 9.00% of mass 176	5.30 (6.21)

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08819.d

Date : 05-SEP-2006 11:35

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB248

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08819.d
Spectrum: Avg. Scans 46-48 (1.77), Background Scan 42
Location of Maximum: 95.00
Number of points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2701	74.00	72216	117.00	3006	162.00	61
37.00	15482	75.00	230656	118.00	1550	165.00	50
38.00	13205	76.00	19000	119.00	1970	168.00	232
39.00	6388	77.00	2007	120.00	182	169.00	96
41.00	690	78.00	1307	122.00	222	170.00	128
42.00	196	79.00	10509	123.00	53	171.00	166
43.00	1137	80.00	2983	124.00	371	172.00	3682
44.00	30	81.00	10952	126.00	158	174.00	392128
45.00	3512	82.00	1576	128.00	1622	175.00	29992
46.00	238	83.00	477	129.00	956	176.00	385792
47.00	3043	84.00	156	130.00	1517	177.00	23976
48.00	2215	85.00	719	131.00	646	178.00	721
49.00	14449	86.00	157	132.00	191	184.00	67
50.00	71784	87.00	13237	134.00	275	194.00	111
51.00	20304	88.00	12278	135.00	666	201.00	68
52.00	752	91.00	1172	137.00	936	205.00	117
53.00	126	92.00	13120	139.00	224	208.00	251
54.00	169	93.00	20024	141.00	4469	212.00	115
55.00	1208	94.00	53736	142.00	797	219.00	56
56.00	5998	95.00	452800	143.00	5721	220.00	73
57.00	10949	96.00	29080	144.00	402	222.00	54
58.00	544	97.00	831	145.00	961	225.00	54
59.00	195	98.00	100	146.00	914	228.00	105
60.00	3973	100.00	89	147.00	300	236.00	108
61.00	18120	102.00	102	148.00	1435	254.00	67
62.00	18672	103.00	256	149.00	409	256.00	175
63.00	14344	104.00	1852	150.00	643	257.00	52
64.00	1735	105.00	739	151.00	55	264.00	55
65.00	1871	106.00	1900	152.00	420	277.00	50
66.00	74	107.00	537	153.00	330	282.00	79
67.00	1138	108.00	57	154.00	399	284.00	70
68.00	40696	109.00	19	155.00	1530	287.00	89
69.00	42144	111.00	583	156.00	191	292.00	71
70.00	3386	112.00	214	157.00	1035		
71.00	560	113.00	490	158.00	194		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08819.d

Date : 05-SEP-2006 11:35

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB248

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08819.d

Spectrum: Avg. Scans 46-48 (1.77), Background Scan 42

Location of Maximum: 95.00

Number of points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	2561	115.00	680	159.00	525		
73.00	19240	116.00	1509	161.00	698		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08819.d

Date : 05-SEP-2006 11:35

Client ID:

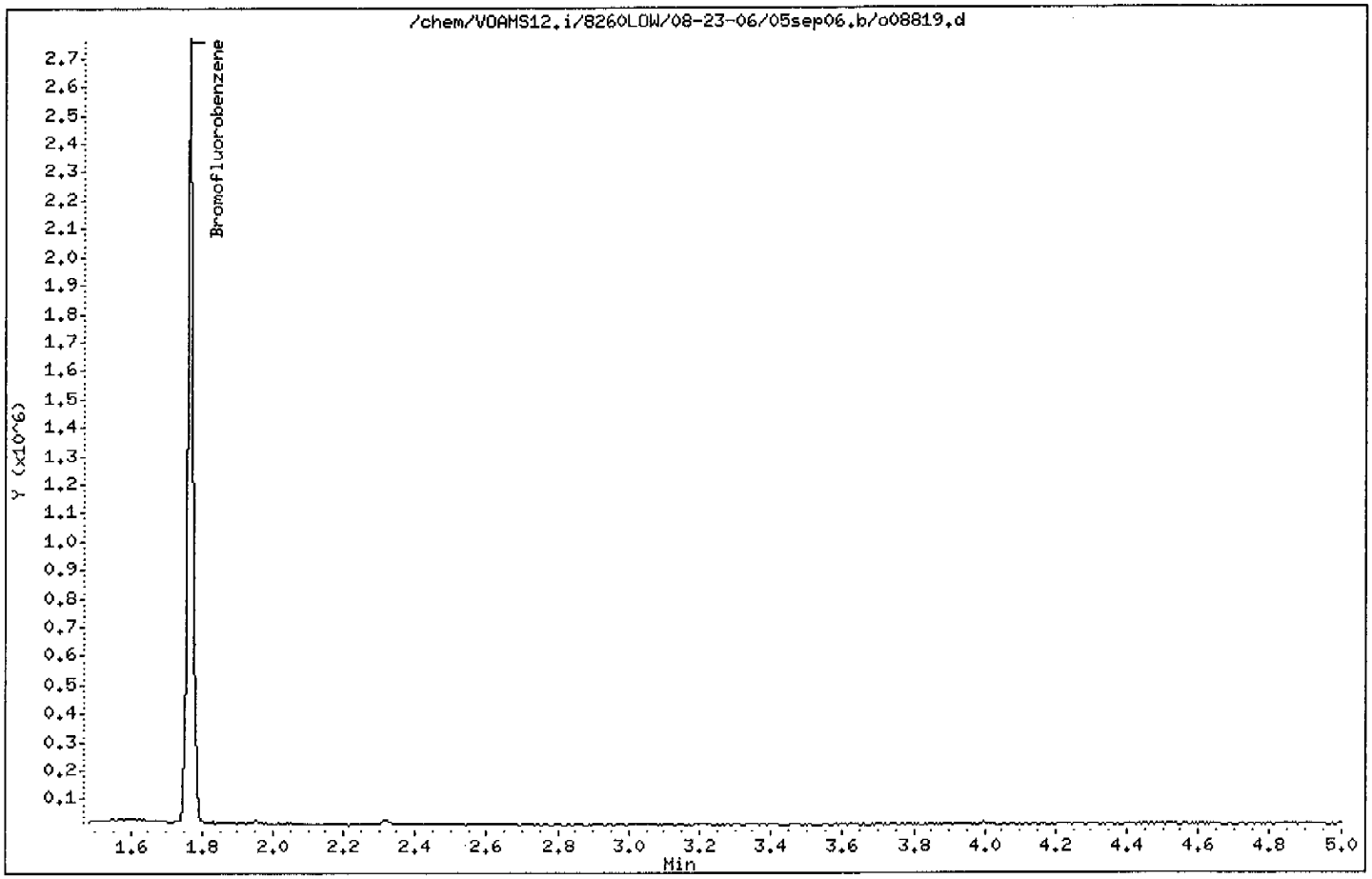
Instrument: VOAMS12.i

Sample Info: OBFB248

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

JV244

Matrix: SOIL

Level: HIGH

Lab File ID: J68476

Instrument ID: VOAMS8

Date Analyzed: 09/01/06

Time Analyzed: 1017

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B101-SS01	765429	J68487	1507
02	B101-SS02	765430	J68488	1536
03				
04				
05				
06				
07				
08				
09				
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30				

COMMENTS:

Client ID: **JV244**
Site:

Lab Sample No: **JV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68476.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl Chloride	ND	500
Chloroethane	ND	500
Methylene Chloride	ND	300
Acetone	ND	500
Carbon Disulfide	ND	500
Trichlorofluoromethane	ND	500
1,1-Dichloroethene	ND	200
1,1-Dichloroethane	ND	500
trans-1,2-Dichloroethene	ND	500
cis-1,2-Dichloroethene	ND	500
Chloroform	ND	500
1,2-Dichloroethane	ND	200
2-Butanone	ND	500
1,1,1-Trichloroethane	ND	500
Carbon Tetrachloride	ND	200
Bromodichloromethane	ND	100
1,2-Dichloropropane	ND	100
cis-1,3-Dichloropropene	ND	500
Trichloroethene	ND	100
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	300
Benzene	ND	100
trans-1,3-Dichloropropene	ND	500
2-Chloroethyl Vinyl Ether	ND	500
Bromoform	ND	400
4-Methyl-2-Pentanone	ND	500
2-Hexanone	ND	500
Tetrachloroethene	ND	100
1,1,2,2-Tetrachloroethane	ND	100
Toluene	ND	500
Chlorobenzene	ND	500
Ethylbenzene	ND	400

Client ID: **JV244**
Site:

Lab Sample No: **JV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68476.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	500
Xylene (Total)	ND	500
Ethyl Ether	ND	500
Acrolein	ND	10000
Freon TF	ND	500
Isopropanol	ND	50000
Acetonitrile	ND	10000
TBA	ND	10000
Acrylonitrile	ND	5000
MTBE	ND	500
Hexane	ND	500
DIPE	ND	500
Ethyl Acetate	ND	1000
Vinyl Acetate	ND	500
Tetrahydrofuran	ND	500
Cyclohexane	ND	500
Isobutanol	ND	50000
Isopropyl Acetate	ND	1000
n-Heptane	ND	500
n-Butanol	ND	50000
Propyl Acetate	ND	1000
Butyl Acetate	ND	1000
1,2-Dibromoethane	ND	500
1,3-Dichlorobenzene	ND	500
1,4-Dichlorobenzene	ND	500
1,2-Dichlorobenzene	ND	500
Naphthalene	ND	500
Methylnaphthalene (total)	ND	500
Dimethylnaphthalene (total)	ND	500
1,1-Dichloropropene	ND	500
Hexachlorobutadiene	ND	500
1,4-Dioxane	ND	100000
Methyl Acrylate	ND	500
1,1,1,2-Tetrachloroethane	ND	500

Client ID: **JV244**
Site:

Lab Sample No: **JV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68476.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	500
Dichlorodifluoromethane	ND	500
1,2,3-Trichloropropane	ND	500
1,2,4-Trimethylbenzene	ND	500
1,3,5-Trimethylbenzene	ND	500
Isopropylbenzene	ND	500
1,3-Dichloropropane	ND	500
2,2-Dichloropropane	ND	500
2-Chlorotoluene	ND	500
4-Chlorotoluene	ND	500
Bromobenzene	ND	500
1,2,4-Trichlorobenzene	ND	500
Bromochloromethane	ND	500
Dibromomethane	ND	500
n-Butylbenzene	ND	500
n-Propylbenzene	ND	500
p-Isopropyltoluene	ND	500
sec-Butylbenzene	ND	500
tert-Butylbenzene	ND	500
Allyl chloride	ND	500
Benzyl chloride	ND	500
Epichlorohydrin	ND	10000
Isoprene	ND	500
Methyl methacrylate	ND	500
n-Pentane	ND	500
Allyl alcohol	ND	100000
2-Octanol	ND	1000
2-Octanone	ND	500
Methyl Acetate	ND	500
Ethyl Acrylate	ND	500
Butyl Acrylate	ND	500
Methyl cyclohexane	ND	500
Butyl Methacrylate	ND	500
1,2-Dibromo-3-chloropropane	ND	500

Client ID: **JV244**
Site:

Lab Sample No: **JV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68476.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Ethyl methacrylate	ND	500
Ethanol	ND	50000
Cyclohexanone	ND	10000
p-Ethyltoluene	ND	500
1,4-Diethylbenzene	ND	500
1,2,4,5-Tetramethylbenzene	ND	500
Propylene Oxide	ND	5000
Camphene (total)	ND	2000
Camphor	ND	2000
Amyl Acetate	ND	1000
2-Methylnaphthalene	ND	500
1-Chlorohexane	ND	500
Chlorotrifluoromethane	ND	500
Chlorodifluoromethane	ND	500
tert-Amylmethyl Ether	ND	500
Iodomethane	ND	500
trans-1,4-Dichloro-2-butene	ND	500
Acetaldehyde	ND	1000
1,3,5-Trichlorobenzene	ND	500
1,2-Dichlorotrifluoroethane	ND	500
1-Bromo-2-chloroethane	ND	500
4-Chlorobenzotrifluoride	ND	500
2-Chloropropene	ND	500
tert-Butyl ethyl ether	ND	500

Client ID: **JV244**
Site:

Lab Sample No: **JV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j68476.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68476.d
Report Date: 06-Sep-2006 11:39

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68476.d
Lab Smp Id: JV244 Client Smp ID: JV244
Inj Date : 01-SEP-2006 10:17
Operator : VOAMS 4 Inst ID: VOAMS8.i
Smp Info : JV244
Misc Info :
Comment :
Method : /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/8260H_05.m
Meth Date : 01-Sep-2006 08:46 lily Quant Type: ISTD
Cal Date : 25-AUG-2006 12:37 Cal File: j68330.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

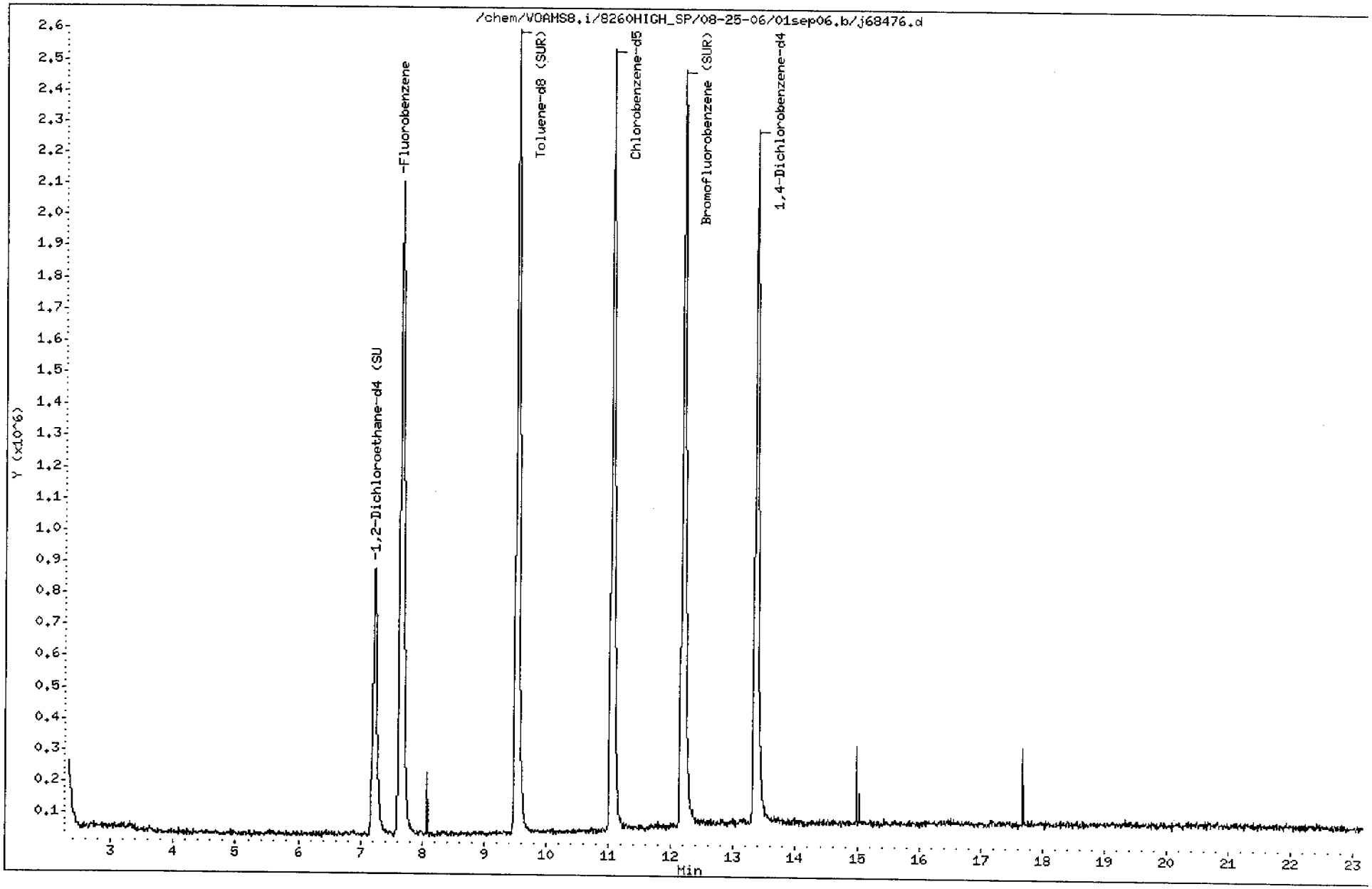
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.224	7.233	(0.944)	1159476	59.7525	6000
* 19 Fluorobenzene	96	7.651	7.652	(1.000)	4486349	50.0000	
$ 37 Toluene-d8 (SUR)	98	9.512	9.519	(0.861)	3504775	62.8052	6300
* 32 Chlorobenzene-d5	117	11.042	11.041	(1.000)	3173729	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	12.174	12.176	(0.913)	1579882	68.6728	6900
* 91 1,4-Dichlorobenzene-d4	152	13.338	13.345	(1.000)	1427948	50.0000	

Data File: /chem/VOAMS8.i/8260HIGH_SP/08-25-06/01sep06.b/j68476.d
Date : 01-SEP-2006 10:17
Client ID: JV244
Sample Info: JV244

Column phase: DB624

Instrument: VOAMS8.i

Operator: VOAMS 4
Column diameter: 0.53



339
STL Edison
W345

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

OV242

Matrix: SOIL

Level: LOW

Lab File ID: O08774

Instrument ID: VOAMS12

Date Analyzed: 08/30/06

Time Analyzed: 1533

Heated Purge (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B903-SS01	765418	O08781	1816
02	B903-SS02	765419	O08782	1839
03	B902-SS01	765420	O08783	1903
04	B902-SS02	765421	O08784	1926
05	B905-SS01	765422	O08785	1949
06	B905-SS02	765423	O08786	2012
07	B901-SS01	765424	O08787	2035
08	B901-SS02	765425	O08788	2059
09	B904-SS01	765426	O08789	2122
10	B904-SS01D	765427	O08790	2145
11	B904-SS02	765428	O08791	2208
12				
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COMMENTS:

Client ID: **OV242**
Site:

Lab Sample No: **OV242**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08774.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	0.8J	3.0
Acetone	3.1J	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **OV242**
Site:

Lab Sample No: **OV242**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08774.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
1,1-Dichloropropene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0

Client ID: **OV242**
Site:

Lab Sample No: **OV242**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08774.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
Isopropylbenzene	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methyl cyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **OV242**
Site:

Lab Sample No: **OV242**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08774.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0
Isobutyl Acetate	ND	5.0
Chlorodifluoromethane	ND	5.0
Cyclohexanone	ND	100
2-Nitropropane	ND	10
2-Methylnaphthalene	ND	5.0
tert-Amylmethyl Ether	ND	5.0
2-Heptanone	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
2-Chloropropene	ND	5.0

Client ID: **OV242**
Site:

Lab Sample No: **OV242**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 08/30/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08774.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08774.d
Report Date: 07-Sep-2006 10:19

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08774.d
Lab Smp Id: OV242 Client Smp ID: OV242
Inj Date : 30-AUG-2006 15:33
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : OV242
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/8260L_05.m
Meth Date : 01-Sep-2006 11:16 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

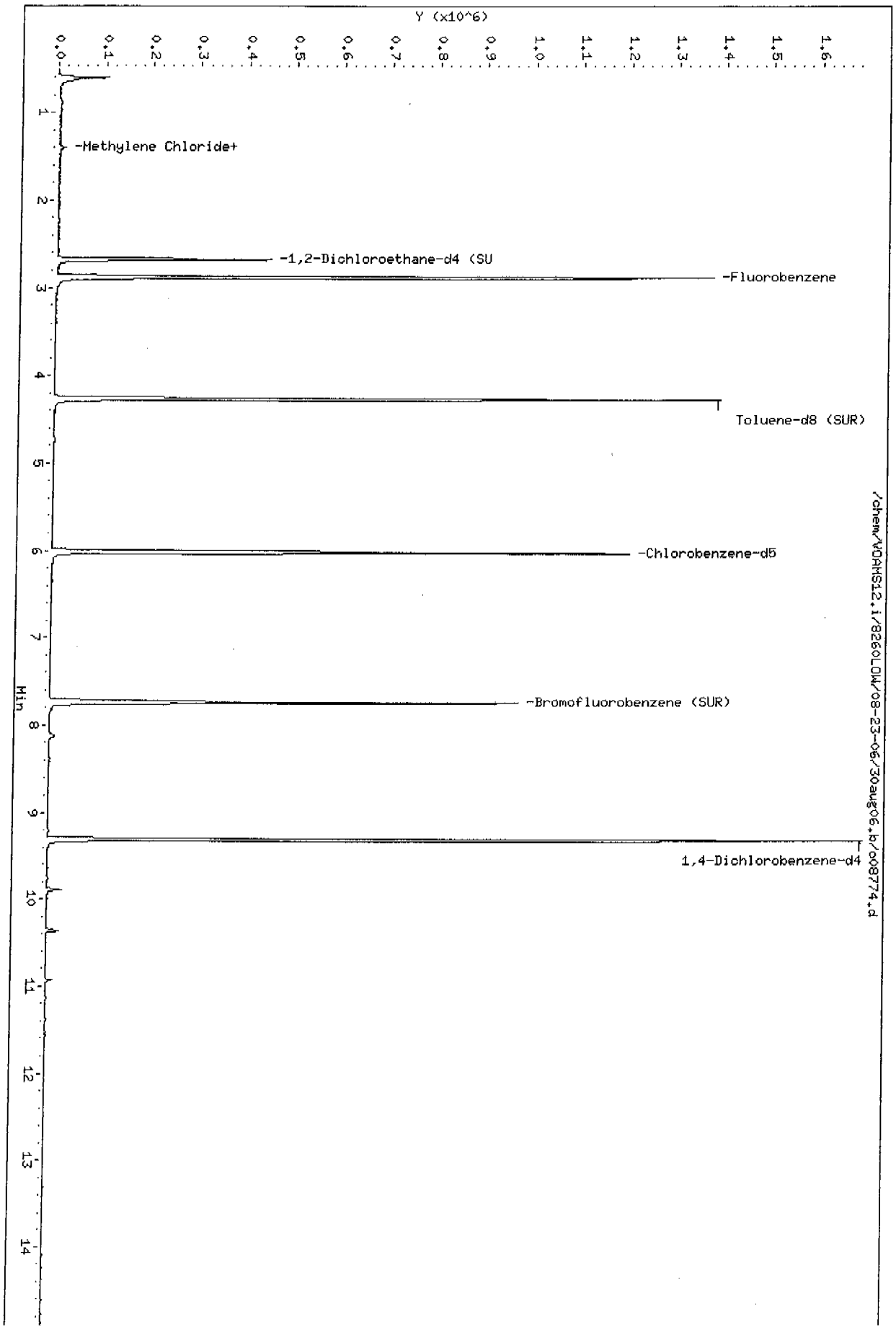
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	1.402	1.402	(0.486)	4694	0.85210	0.85(a)
	7 Acetone	43	1.432	1.432	(0.497)	3423	3.13227	3.1(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.928)	298833	45.9739	46
*	69 Fluorobenzene	96	2.883	2.883	(1.000)	1067079	50.0000	
$	37 Toluene-d8 (SUR)	98	4.267	4.267	(0.709)	831740	50.9411	51
*	32 Chlorobenzene-d5	117	6.017	6.017	(1.000)	715607	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.736	7.736	(0.831)	297920	51.8607	52
*	91 1,4-Dichlorobenzene-d4	152	9.309	9.315	(1.000)	397543	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAHS12.i/8260LOW/08-23-06/30aug06.b/o08774.d
Date : 30-AUG-2006 15:33
Client ID: OV242
Sample Info: OV242
Column phase: DB624
Instrument: VOAHS12.i
Operator: VOAHS 9
Column diameter: 0.53
Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
-Methylene Chloride+
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAHS12.i/8260LOW/08-23-06/30aug06.b/o08774.d
Min
1
2
3
4
5
6
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8
9
10
11
12
13
14

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08774.d

Date : 30-AUG-2006 15:33

Client ID: OV242

Instrument: VOAMS12.i

Sample Info: OV242

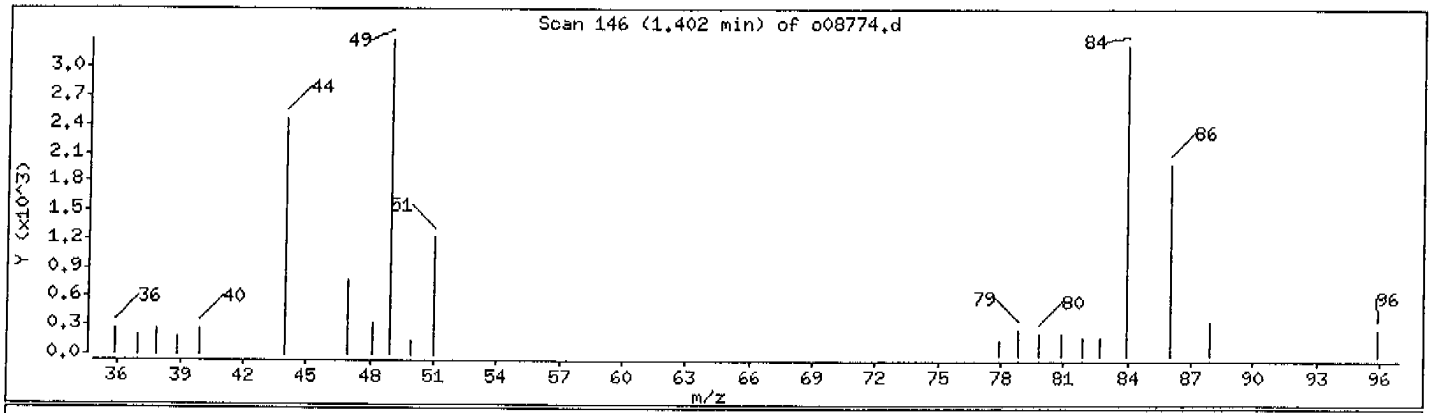
Operator: VOAMS 9

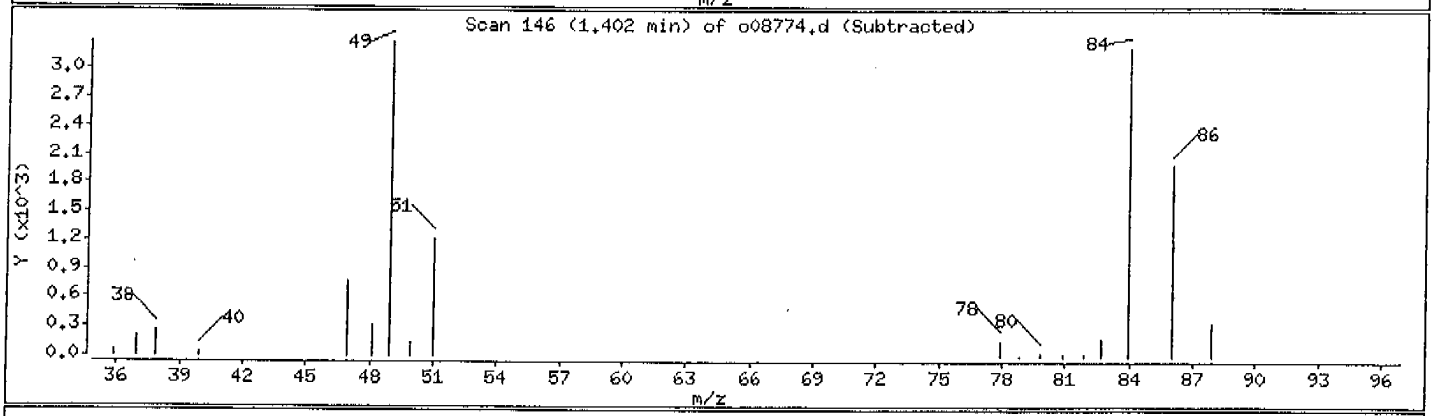
Column phase: DB624

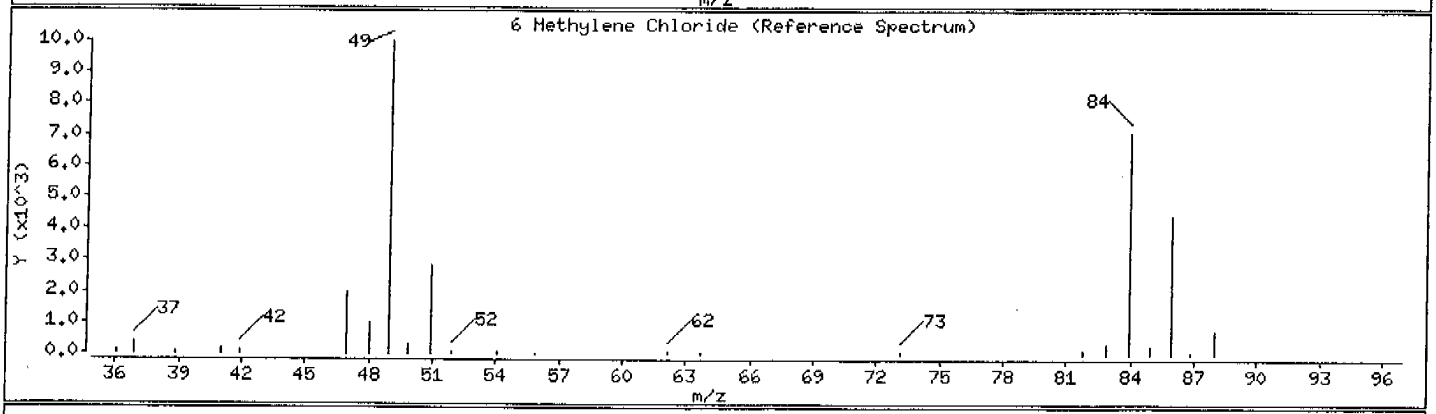
Column diameter: 0.53

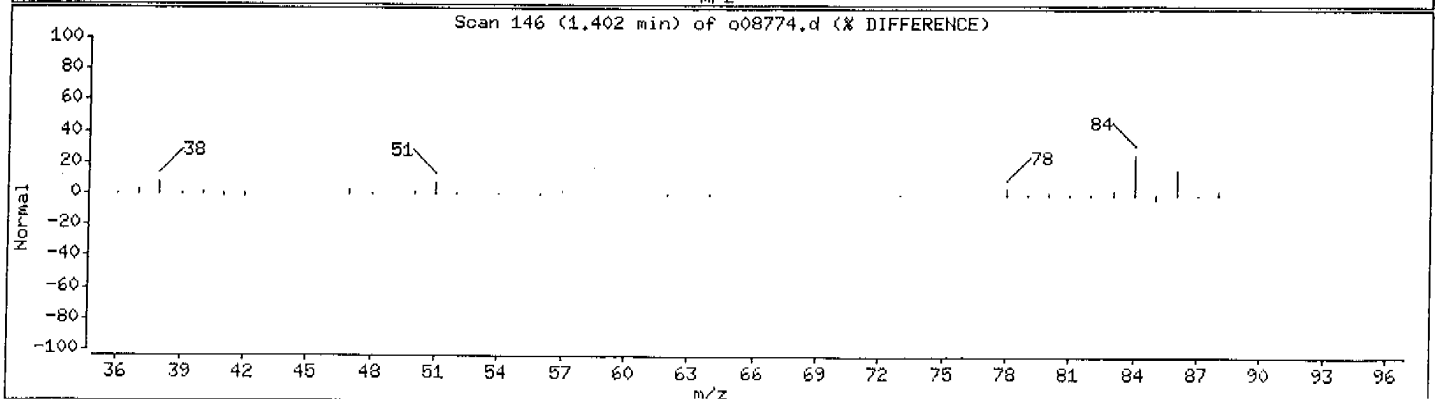
6 Methylene Chloride

Concentration: 0.85 ug/Kg









Data File: /chem/VOAMS12.i/8260LOW/08-23-06/30aug06.b/o08774.d

Date : 30-AUG-2006 15:33

Client ID: OV242

Instrument: VOAMS12.i

Sample Info: OV242

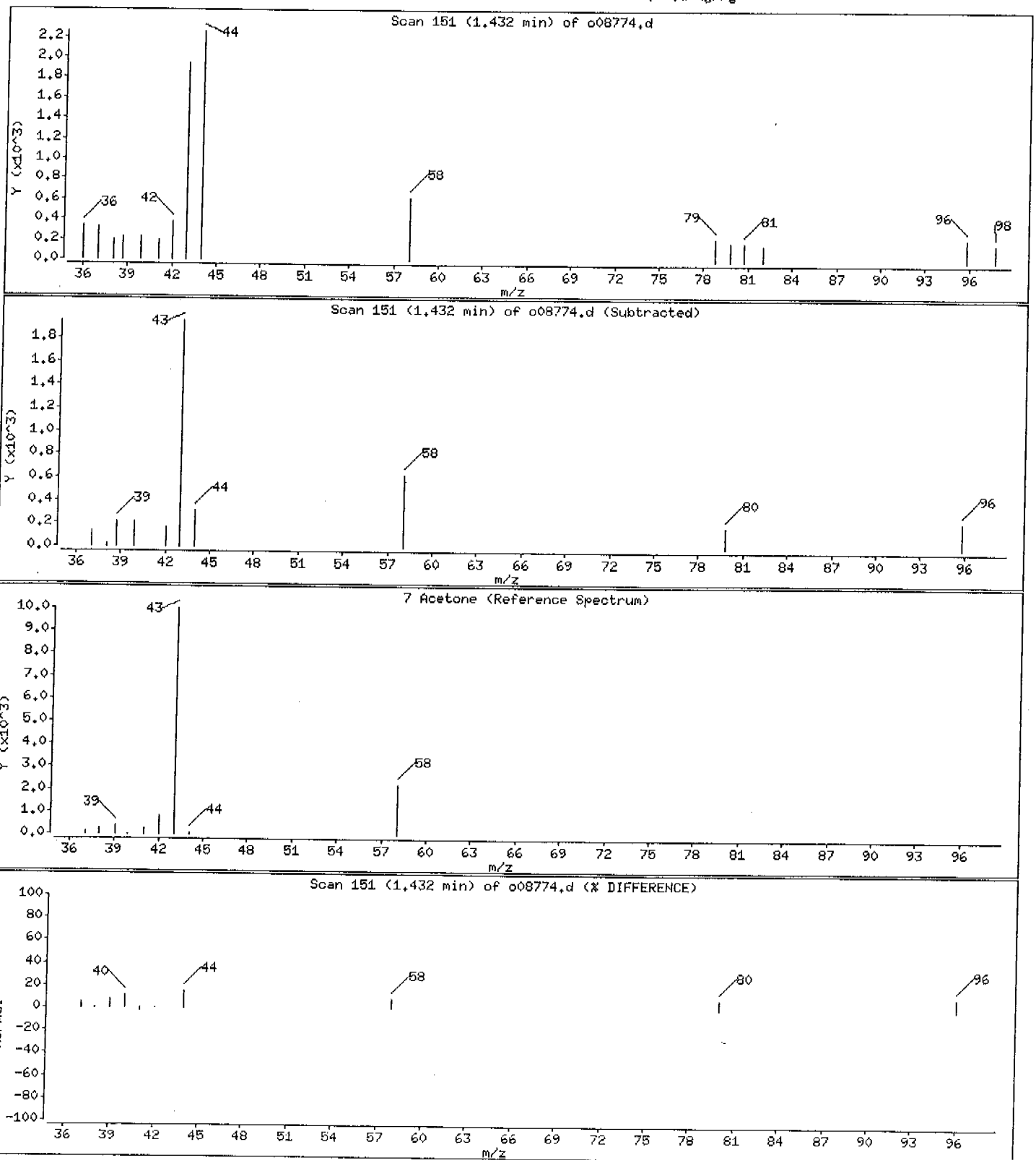
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 3.1 ug/Kg



VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

OV244

Matrix: SOIL

Level: LOW

Lab File ID: O08797

Instrument ID: VOAMS12

Date Analyzed: 09/01/06

Time Analyzed: 1127

Heated Purge (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B101-SS03	765431	O08805	1441
02	B101-SS03MS	765431MS	O08810	1637
03	B101-SS03MSD	765431MSD	O08811	1700
04	B102-SS02	765437	O08813	1747
05	B102-SS03	765438	O08814	1810
06	B902-SS02R1	765421R1	O08815	1833
07	B801-SS02	765446	O08816	1857
08	B701-SS02	765448	O08817	1920
09	B702-SS02	765450	O08818	1943
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30				

COMMENTS:

Client ID: **OV244**
Site:

Lab Sample No: **OV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08797.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	0.4J	3.0
Acetone	4.2J	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **OV244**
Site:

Lab Sample No: **OV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08797.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
1,1-Dichloropropene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0

Client ID: **OV244**
Site:

Lab Sample No: **OV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08797.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
Isopropylbenzene	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methyl cyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **OV244**
Site:

Lab Sample No: **OV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08797.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0
Isobutyl Acetate	ND	5.0
Chlorodifluoromethane	ND	5.0
Cyclohexanone	ND	100
2-Nitropropane	ND	10
2-Methylnaphthalene	ND	5.0
tert-Amylmethyl Ether	ND	5.0
2-Heptanone	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
2-Chloropropene	ND	5.0

Client ID: **OV244**
Site:

Lab Sample No: **OV244**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/01/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08797.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08797.d
Report Date: 07-Sep-2006 12:13

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08797.d
Lab Smp Id: OV244 Client Smp ID: OV244
Inj Date : 01-SEP-2006 11:27
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : OV244
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/8260L_05.m
Meth Date : 07-Sep-2006 11:32 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	1.396	1.396	(0.485)	2041	0.40436	0.40(aM)
	7 Acetone	43	1.426	1.426	(0.496)	4244	4.23792	4.2(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.670	2.670	(0.928)	292476	49.1019	49
*	69 Fluorobenzene	96	2.877	2.871	(1.000)	977847	50.0000	
$	37 Toluene-d8 (SUR)	98	4.261	4.255	(0.709)	824299	49.2919	49
*	32 Chlorobenzene-d5	117	6.011	6.005	(1.000)	732933	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.730	7.724	(0.831)	313109	54.5040	54
*	91 1,4-Dichlorobenzene-d4	152	9.303	9.303	(1.000)	397548	50.0000	

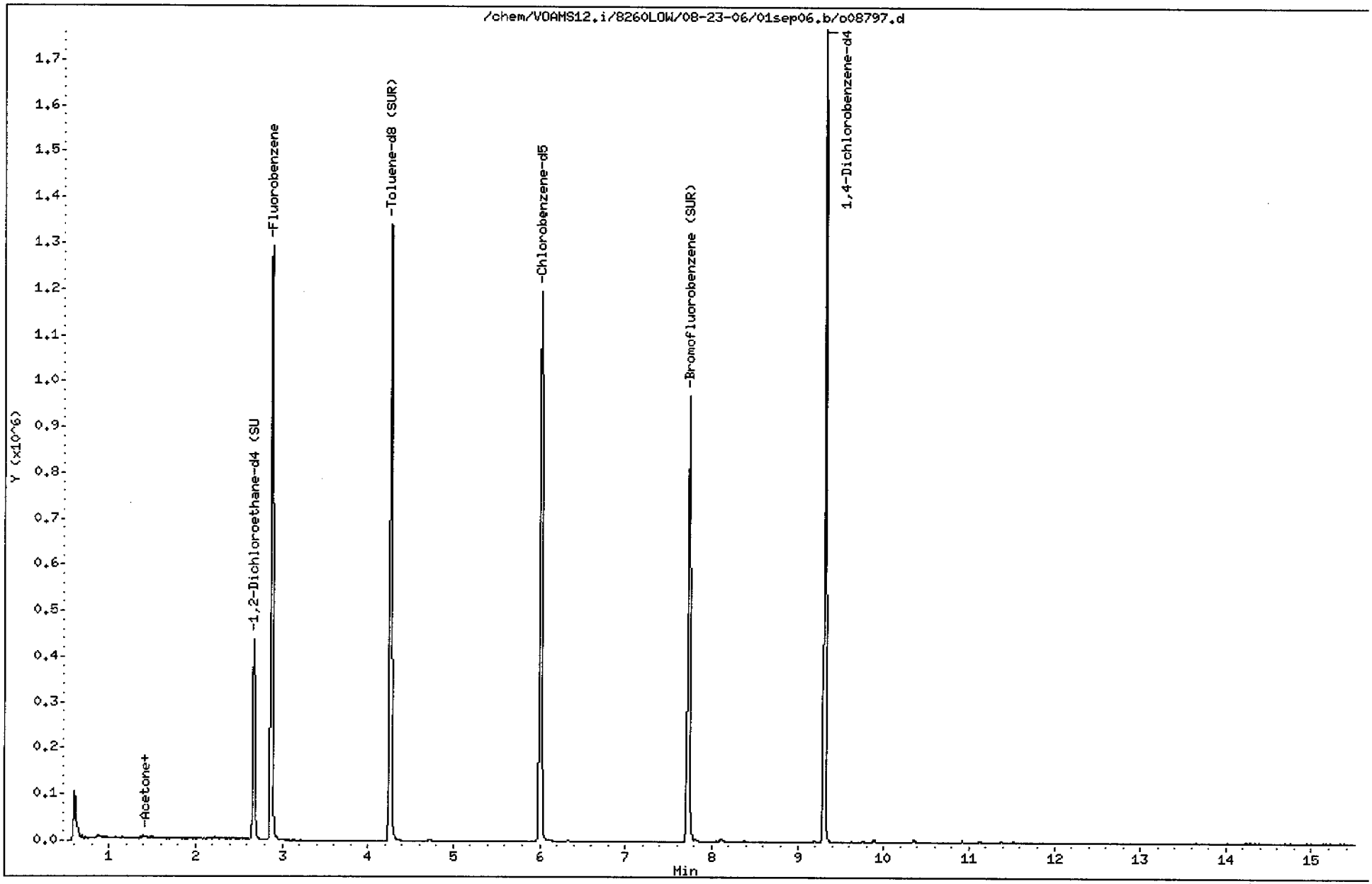
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08797.d
Date : 01-SEP-2006 11:27
Client ID: OV244
Sample Info: OV244

Instrument: VOAMS12.i

Operator: VOAMS 9
Column phase: DB624
Column diameter: 0.53



357
STL Edison
W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08797.d

Date : 01-SEP-2006 11:27

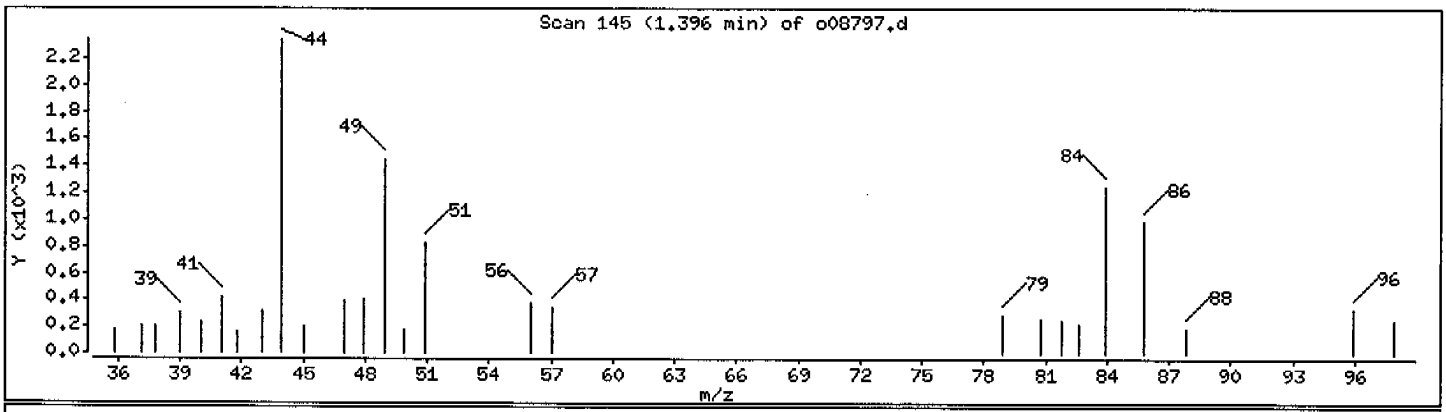
Client ID: OV244 Instrument: VOAMS12.i

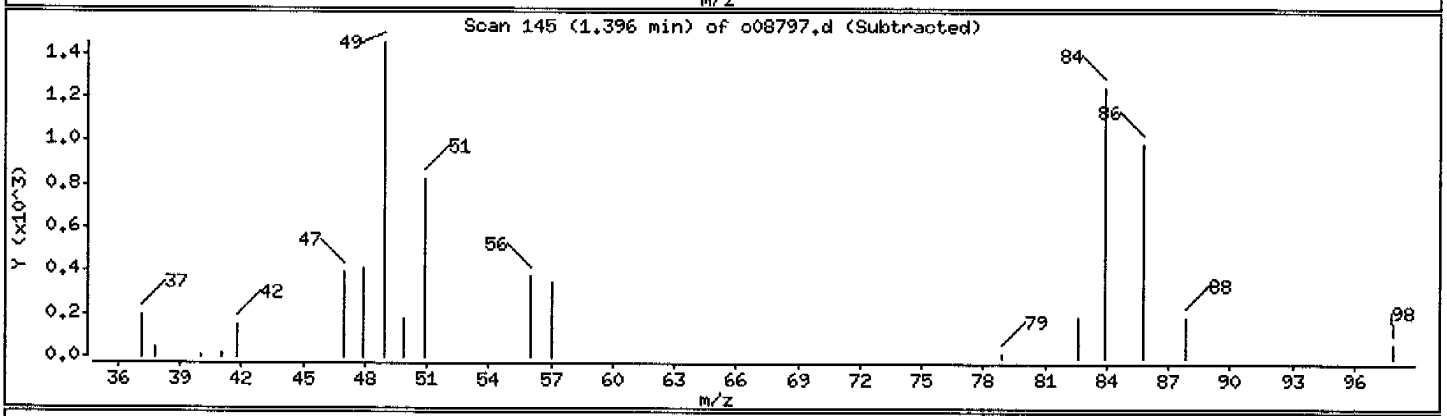
Sample Info: OV244

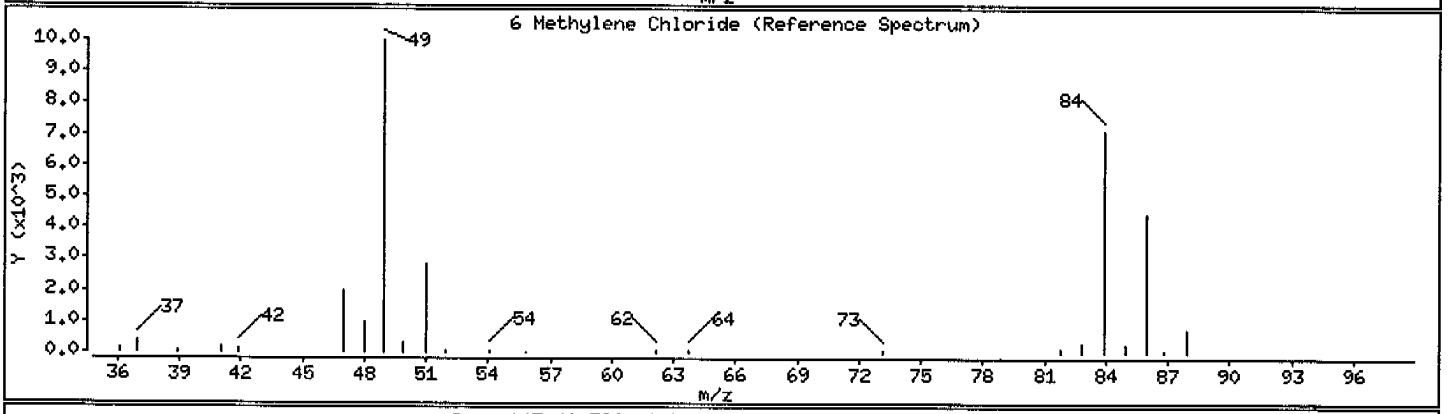
Operator: VOAMS 9

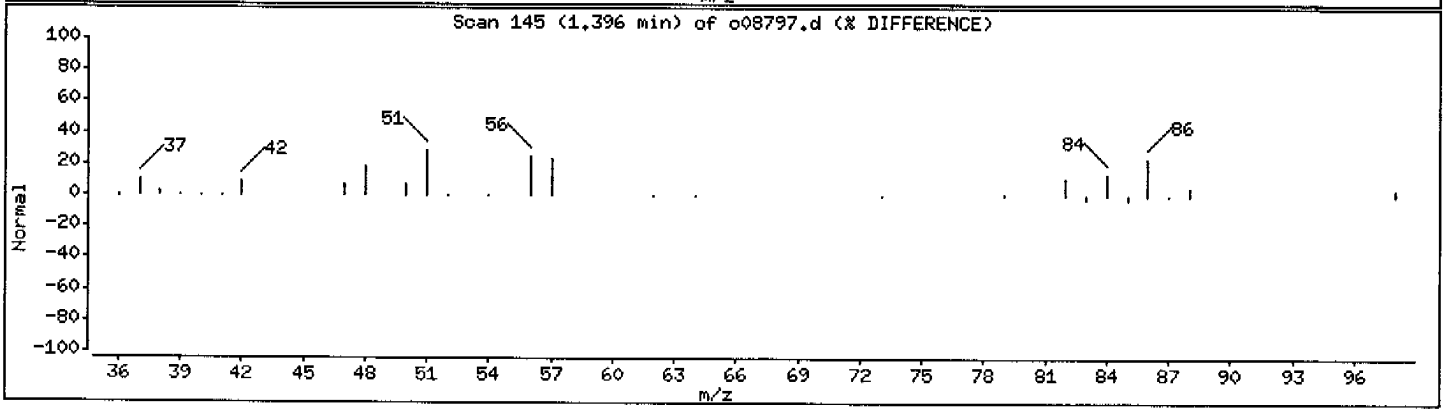
Column phase: DB624 Column diameter: 0.53

6 Methylene Chloride Concentration: 0.40 ug/Kg









Data File: /chem/VOAMS12.i/8260LOW/08-23-06/01sep06.b/o08797.d

Date : 01-SEP-2006 11:27

Client ID: OV244

Instrument: VOAMS12.i

Sample Info: OV244

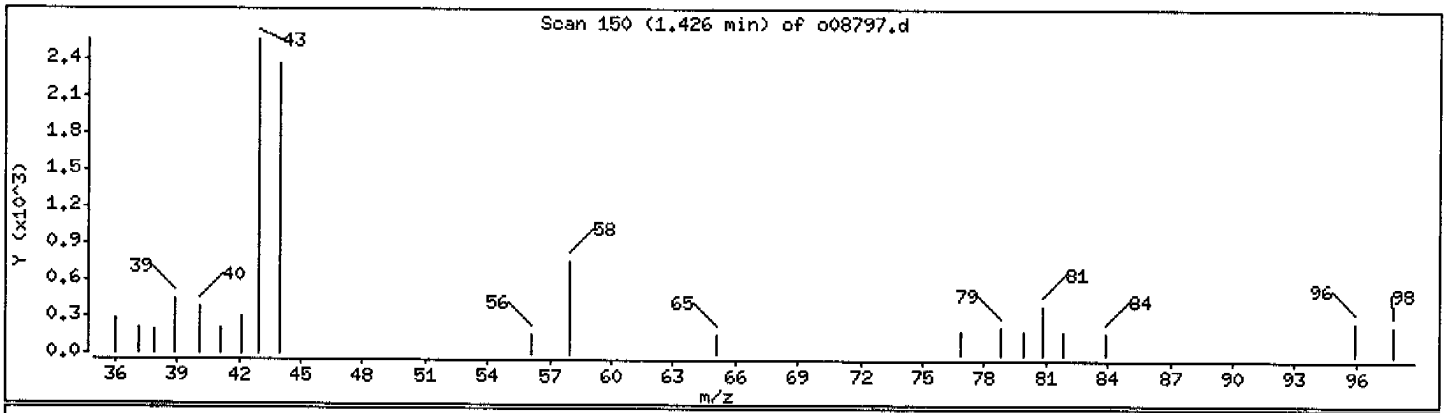
Operator: VOAMS 9

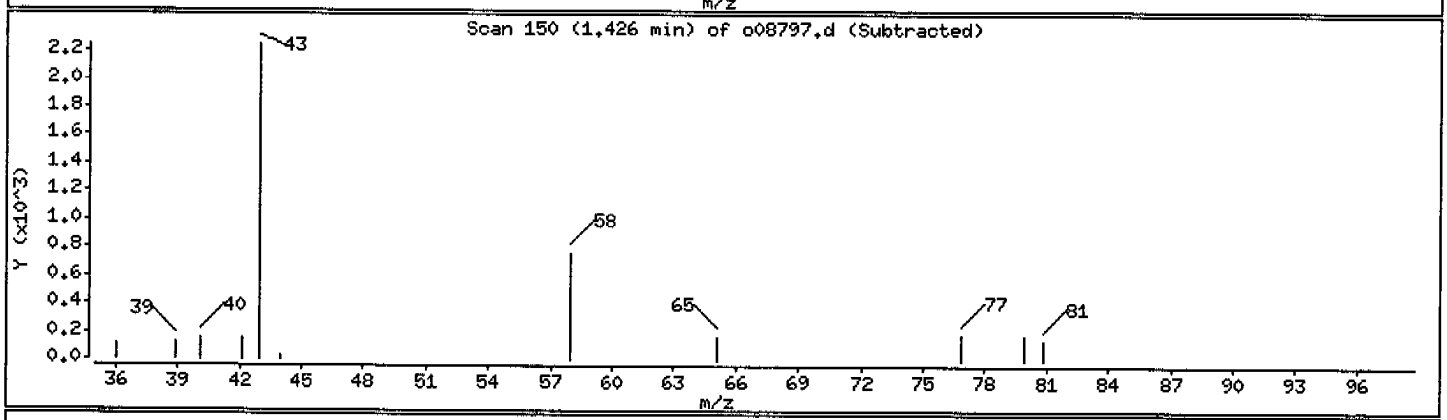
Column phase: DB624

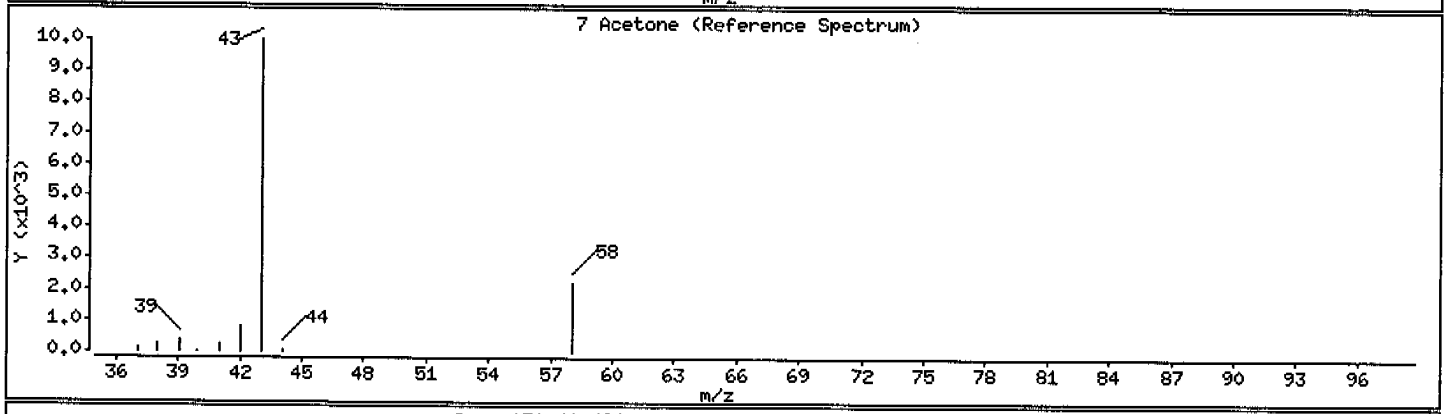
Column diameter: 0.53

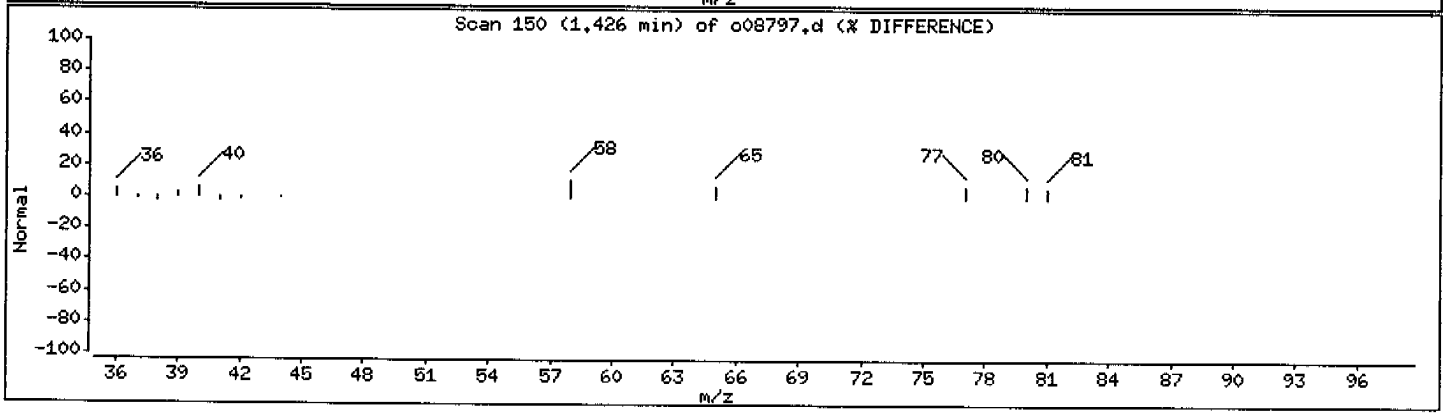
7 Acetone

Concentration: 4.2 ug/Kg









VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

OV248

Matrix: SOIL

Level: LOW

Lab File ID: O08823

Instrument ID: VOAMS12

Date Analyzed: 09/05/06

Time Analyzed: 1309

Heated Purge (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B102-SS01	765436	O08838	1902
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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27				
28				
29				
30				

COMMENTS:

Client ID: **OV248**
Site:

Lab Sample No: **OV248**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08823.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	4.0J	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **OV248**
Site:

Lab Sample No: **OV248**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08823.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
1,1-Dichloropropene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0

Client ID: **OV248**
Site:

Lab Sample No: **OV248**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08823.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
Isopropylbenzene	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methyl cyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **OV248**
Site:

Lab Sample No: **OV248**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08823.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0
Isobutyl Acetate	ND	5.0
Chlorodifluoromethane	ND	5.0
Cyclohexanone	ND	100
2-Nitropropane	ND	10
2-Methylnaphthalene	ND	5.0
tert-Amylmethyl Ether	ND	5.0
2-Heptanone	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
2-Chloropropene	ND	5.0

Client ID: **OV248**
Site:

Lab Sample No: **OV248**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/05/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08823.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08823.d
Report Date: 07-Sep-2006 10:40

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08823.d
Lab Smp Id: OV248 Client Smp ID: OV248
Inj Date : 05-SEP-2006 13:09
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : OV248
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/8260L_05.m
Meth Date : 06-Sep-2006 13:17 pritch Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.432	1.426	(0.498)	5568	4.01876	4.0(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.676	2.676	(0.930)	332143	40.3041	40
*	69 Fluorobenzene	96	2.877	2.877	(1.000)	1352869	50.0000	
$	37 Toluene-d8 (SUR)	98	4.261	4.261	(0.709)	1184510	50.7533	51
*	32 Chlorobenzene-d5	117	6.011	6.011	(1.000)	1022892	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.736	7.730	(0.831)	443264	54.1402	54
*	91 1,4-Dichlorobenzene-d4	152	9.309	9.309	(1.000)	566585	50.0000	

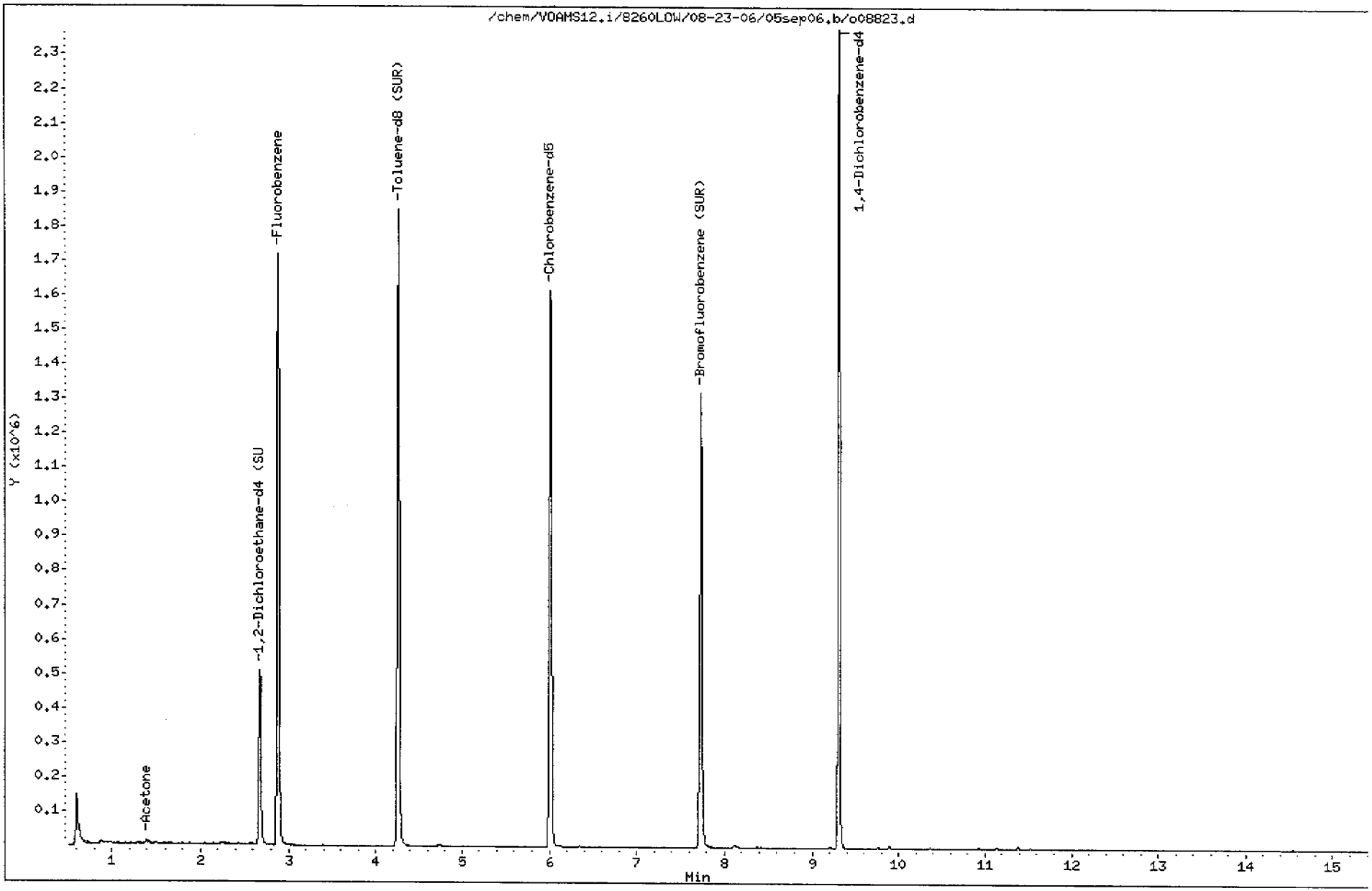
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08823.d
Date : 05-SEP-2006 13:09
Client ID: OV248
Sample Info: OV248

Instrument: VOAMS12.i

Operator: VOAMS 9
Column phase: DB624
Column diameter: 0.53



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STL Edison
W345

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/05sep06.b/o08823.d

Date : 05-SEP-2006 13:09

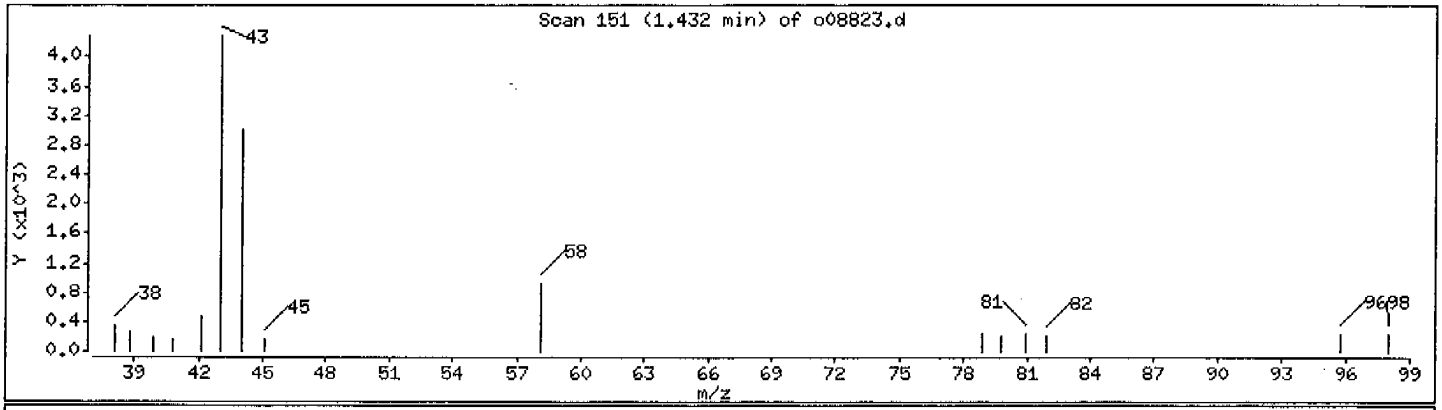
Client ID: OV248 Instrument: VOAMS12.i

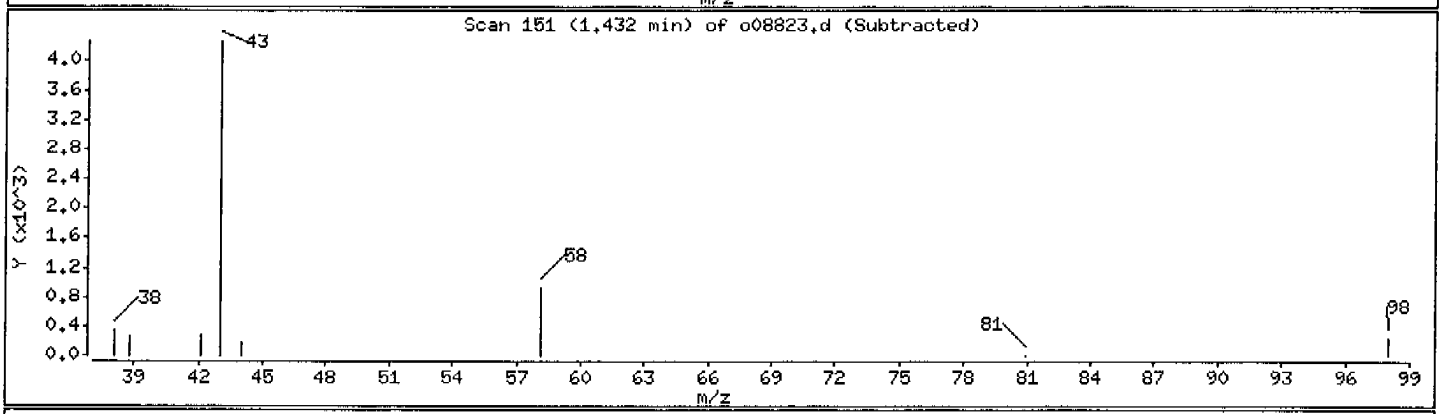
Sample Info: OV248

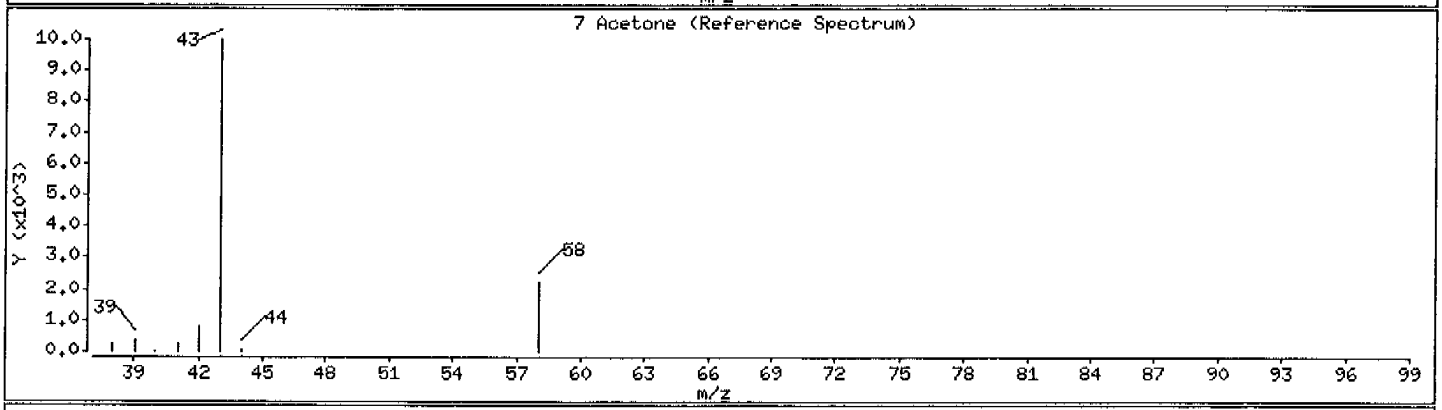
Operator: VOAMS 9

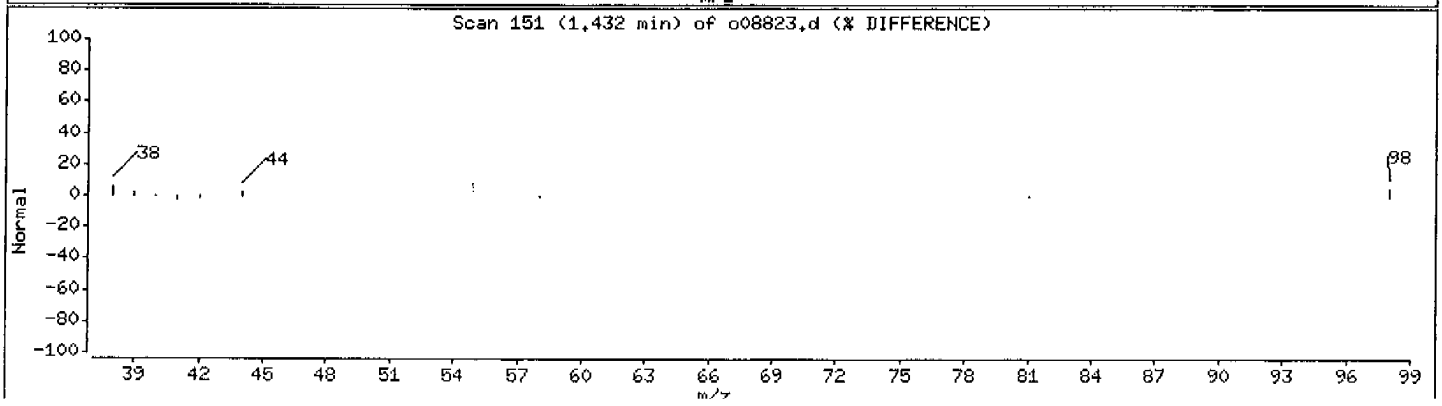
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 4.0 ug/Kg









Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

LAB FILE ID: RRF5: J68328 RRF20: J68330 RRF50: J68331
RRF100: J68332 RRF200: J68333

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.360	0.240	0.266	0.257	0.281
Bromomethane	0.335	0.207	0.243	0.226	0.252
Vinyl Chloride	0.380	0.229	0.258	0.258	0.274
Chloroethane	0.204	0.146	0.168	0.162	0.179
Methylene Chloride	0.304	0.212	0.251	0.251	0.260
Acetone	0.109	0.057	0.051	0.053	0.062
Carbon Disulfide	0.746	0.604	0.692	0.699	0.754
Trichlorofluoromethane	0.571	0.366	0.412	0.405	0.433
1,1-Dichloroethene	0.267	0.158	0.186	0.197	0.200
1,1-Dichloroethane	0.623	0.421	0.497	0.510	0.509
trans-1,2-Dichloroethene	0.327	0.208	0.246	0.254	0.255
cis-1,2-Dichloroethene	0.314	0.230	0.271	0.281	0.285
Chloroform	0.579	0.390	0.481	0.489	0.508
1,2-Dichloroethane	0.277	0.206	0.264	0.264	0.273
2-Butanone	0.017	0.019	0.014	0.015	0.026
1,1,1-Trichloroethane	0.393	0.288	0.334	0.348	0.347
Carbon Tetrachloride	0.322	0.253	0.309	0.311	0.320
Bromodichloromethane	0.519	0.385	0.474	0.473	0.483
1,2-Dichloropropane	0.297	0.266	0.319	0.320	0.332
cis-1,3-Dichloropropene	0.445	0.358	0.431	0.436	0.448
Trichloroethene	0.332	0.236	0.281	0.294	0.291
Dibromochloromethane	0.553	0.430	0.559	0.568	0.600
1,1,2-Trichloroethane	0.339	0.263	0.328	0.341	0.358
Benzene	1.049	0.603	0.737	0.759	0.758
trans-1,3-Dichloropropene	0.554	0.414	0.511	0.522	0.547
2-Chloroethyl Vinyl Ether	0.134	0.138	0.178	0.186	0.213
Bromoform	0.374	0.292	0.391	0.412	0.437
4-Methyl-2-Pentanone	0.302	0.251	0.286	0.295	0.328
2-Hexanone	0.202	0.191	0.233	0.242	0.277
Tetrachloroethene	0.581	0.370	0.454	0.473	0.475
1,1,2,2-Tetrachloroethane	1.565	0.990	1.158	1.203	1.223
Toluene	1.229	0.870	1.079	1.109	1.149
Chlorobenzene	0.879	0.677	0.839	0.856	0.885
Ethylbenzene	0.354	0.288	0.376	0.379	0.391
Styrene	0.747	0.595	0.785	0.811	0.861
Xylene (Total)	0.507	0.395	0.493	0.503	0.516
Ethyl Ether	0.180	0.161	0.206	0.197	0.219
Acrolein	0.006	0.005	0.005	0.005	0.005
Freon TF	0.467	0.374	0.437	0.443	0.466

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

LAB FILE ID: RRF5: J68328 RRF20: J68330 RRF50: J68331
RRF100: J68332 RRF200: J68333

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile	0.014	0.016	0.019	0.020	0.022
TBA	0.020	0.020	0.022	0.022	0.025
Acrylonitrile	0.076	0.062	0.068	0.073	0.077
MTBE	0.614	0.521	0.611	0.590	0.648
Hexane					
DIPE	1.209	0.994	1.178	1.149	1.242
Ethyl Acetate	0.023	0.020	0.030	0.028	0.033
Vinyl Acetate	0.784	0.676	0.803	0.779	0.854
Tetrahydrofuran					
Cyclohexane	0.366	0.327	0.369	0.375	0.402
Isobutanol					
Isopropyl Acetate	0.629	0.548	0.626	0.634	0.681
n-Heptane					
n-Butanol					
Propyl Acetate	0.497	0.424	0.486	0.491	0.524
Butyl Acetate	0.697	0.691	0.813	0.843	0.926
1,2-Dibromoethane	0.526	0.433	0.532	0.570	0.579
1,3-Dichlorobenzene	1.263	0.877	1.077	1.094	1.078
1,4-Dichlorobenzene	1.803	1.120	1.368	1.392	1.396
1,2-Dichlorobenzene	1.467	0.962	1.162	1.163	1.175
Naphthalene	1.245	0.960	1.379	1.559	1.635
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
1,1-Dichloropropene	0.376	0.289	0.335	0.356	0.356
Hexachlorobutadiene	0.519	0.276	0.361	0.351	0.348
1,4-Dioxane	0.003	0.002	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.428	0.325	0.414	0.425	0.439
1,2,3-Trichlorobenzene	0.700	0.468	0.668	0.694	0.731
Dichlorodifluoromethane	0.326	0.218	0.247	0.256	0.252
1,2,3-Trichloropropane	0.299	0.233	0.272	0.290	0.289
1,2,4-Trimethylbenzene	2.126	1.410	1.703	1.728	1.711
1,3,5-Trimethylbenzene	2.108	1.328	1.631	1.702	1.673
Isopropylbenzene	1.246	0.957	1.200	1.235	1.256
1,3-Dichloropropane	0.624	0.492	0.628	0.637	0.666
2,2-Dichloropropane	0.390	0.283	0.335	0.336	0.330
2-Chlorotoluene	2.265	1.462	1.695	1.770	1.786
4-Chlorotoluene	2.521	1.712	1.975	2.090	2.052

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

LAB FILE ID: RRF5: J68328 RRF20: J68330 RRF50: J68331
RRF100: J68332 RRF200: J68333

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Bromobenzene	0.873	0.640	0.796	0.792	0.819
1,2,4-Trichlorobenzene	0.720	0.492	0.736	0.767	0.804
Bromochloromethane	0.178	0.137	0.171	0.172	0.173
Dibromomethane	0.251	0.193	0.248	0.246	0.252
n-Butylbenzene	1.798	1.188	1.534	1.545	1.548
n-Propylbenzene	3.020	2.094	2.410	2.521	2.409
p-Isopropyltoluene	2.164	1.456	1.748	1.787	1.750
sec-Butylbenzene	2.866	1.811	2.138	2.223	2.115
tert-Butylbenzene	2.239	1.446	1.690	1.753	1.689
Allyl chloride					
Benzyl chloride	1.341	1.037	1.302	1.339	1.419
Epichlorohydrin	0.030	0.024	0.029	0.031	0.034
Isoprene	0.237	0.207	0.236	0.240	0.261
Methyl methacrylate	0.178	0.167	0.190	0.193	0.214
n-Pentane	0.035	0.029	0.037	0.037	0.040
Allyl alcohol					
2-Octanol					
2-Octanone					
Methyl Acetate	0.309	0.240	0.296	0.310	0.343
Ethyl Acrylate					
Butyl Acrylate					
Methyl cyclohexane	0.275	0.233	0.262	0.266	0.278
Butyl Methacrylate					
1,2-Dibromo-3-chloropropane	0.243	0.180	0.228	0.241	0.252
Ethyl methacrylate					
Ethanol					
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

LAB FILE ID: RRF5: J68328 RRF20: J68330 RRF50: J68331
RRF100: J68332 RRF200: J68333

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether					
1,2-Dichloroethane-d4 (SUR)	0.208	0.209	0.222	0.211	0.232
Toluene-d8 (SUR)	0.836	0.813	0.911	0.882	0.954
Bromofluorobenzene (SUR)	0.909	0.732	0.802	0.776	0.808

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.28099043	16.6**
Bromomethane	AVRG	0.25259712	19.4*
Vinyl Chloride	AVRG	0.27979962	20.8*
Chloroethane	AVRG	0.17189529	12.6*
Methylene Chloride	AVRG	0.25574934	12.8*
Acetone	AVRG	0.06653842	36.4*
Carbon Disulfide	AVRG	0.69898986	8.6*
Trichlorofluoromethane	AVRG	0.43761947	17.9*
1,1-Dichloroethene	AVRG	0.20161688	20.0*
1,1-Dichloroethane	AVRG	0.51202771	14.1**
trans-1,2-Dichloroethene	AVRG	0.25816488	16.8*
cis-1,2-Dichloroethene	AVRG	0.27628020	11.0*
Chloroform	AVRG	0.48934159	13.8*
1,2-Dichloroethane	AVRG	0.25694570	11.2*
2-Butanone	AVRG	0.01834949	26.7*
1,1,1-Trichloroethane	AVRG	0.34202674	11.0*
Carbon Tetrachloride	AVRG	0.30319256	9.5*
Bromodichloromethane	AVRG	0.46675396	10.6*
1,2-Dichloropropane	AVRG	0.30685324	8.5*
cis-1,3-Dichloropropene	AVRG	0.42377409	8.9*
Trichloroethene	AVRG	0.28709843	12.0*
Dibromochloromethane	AVRG	0.54181091	12.0*
1,1,2-Trichloroethane	AVRG	0.32603618	11.3*
Benzene	AVRG	0.78115329	20.9*
trans-1,3-Dichloropropene	AVRG	0.50968430	11.1*
2-Chloroethyl Vinyl Ether	AVRG	0.17005843	19.7*
Bromoform	AVRG	0.38124273	14.4**
4-Methyl-2-Pentanone	AVRG	0.29241036	9.4*
2-Hexanone	AVRG	0.22940037	14.9*
Tetrachloroethene	AVRG	0.47063737	16.0*
1,1,2,2-Tetrachloroethane	AVRG	1.22791313	17.0**
Toluene	AVRG	1.08733470	12.3*
Chlorobenzene	AVRG	0.82704171	10.4**
Ethylbenzene	AVRG	0.35781172	11.4*
Styrene	AVRG	0.76007895	13.3*
Xylene (Total)	AVRG	0.48273042	10.3*
Ethyl Ether	AVRG	0.19271617	11.8*
Acrolein	AVRG	0.00541628	4.9*
Freon TF	AVRG	0.43752031	8.6*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.01827785	19.2*
TBA	AVRG	0.02207059	9.2*
Acrylonitrile	AVRG	0.07111707	8.9*
MTBE	AVRG	0.59684202	7.9*
Hexane	AVRG		
DIPE	AVRG	1.15456145	8.3*
Ethyl Acetate	AVRG	0.02655500	19.8*
Vinyl Acetate	AVRG	0.77914013	8.3*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.36782054	7.3*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.62362926	7.7*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.48435182	7.6*
Butyl Acetate	AVRG	0.79410781	12.6*
1,2-Dibromoethane	AVRG	0.52791318	11.0*
1,3-Dichlorobenzene	AVRG	1.07795587	12.7*
1,4-Dichlorobenzene	AVRG	1.41600725	17.3*
1,2-Dichlorobenzene	AVRG	1.18582432	15.2*
Naphthalene	AVRG	1.35577574	19.8*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
1,1-Dichloropropene	AVRG	0.34250298	9.7*
Hexachlorobutadiene	AVRG	0.37097844	24.1*
1,4-Dioxane	AVRG	0.00283733	6.7*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.40619342	11.4*
1,2,3-Trichlorobenzene	AVRG	0.65210862	16.2*
Dichlorodifluoromethane	AVRG	0.26009232	15.3*
1,2,3-Trichloropropane	AVRG	0.27668592	9.6*
1,2,4-Trimethylbenzene	AVRG	1.73592471	14.7*
1,3,5-Trimethylbenzene	AVRG	1.68866681	16.5*
Isopropylbenzene	AVRG	1.17879744	10.6*
1,3-Dichloropropane	AVRG	0.60977339	11.1*
2,2-Dichloropropane	AVRG	0.33489564	11.4*
2-Chlorotoluene	AVRG	1.79547382	16.3*
4-Chlorotoluene	AVRG	2.07013036	14.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Bromobenzene	AVRG	0.78414235	11.1*
1,2,4-Trichlorobenzene	AVRG	0.70382307	17.4*
Bromochloromethane	AVRG	0.16613780	10.0*
Dibromomethane	AVRG	0.23795263	10.6*
n-Butylbenzene	AVRG	1.52272226	14.3*
n-Propylbenzene	AVRG	2.49096662	13.5*
p-Isopropyltoluene	AVRG	1.78081818	14.2*
sec-Butylbenzene	AVRG	2.23063468	17.4*
tert-Butylbenzene	AVRG	1.76355698	16.5*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	1.28766535	11.4*
Epichlorohydrin	AVRG	0.02972239	11.7*
Isoprene	AVRG	0.23630464	8.1*
Methyl methacrylate	AVRG	0.18847675	9.5*
n-Pentane	AVRG	0.03565435	11.1*
Allyl alcohol	AVRG		
2-Octanol	AVRG		
2-Octanone	AVRG		
Methyl Acetate	AVRG	0.29962632	12.5*
Ethyl Acrylate	AVRG		
Butyl Acrylate	AVRG		
Methyl cyclohexane	AVRG	0.26293641	6.8*
Butyl Methacrylate	AVRG		
1,2-Dibromo-3-chloropropane	AVRG	0.22873890	12.6*
Ethyl methacrylate	AVRG		
Ethanol	AVRG		
Cyclohexanone	AVRG		
p-Ethyltoluene	AVRG		
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
Propylene Oxide	AVRG		
Camphene (total)	AVRG		
Camphor	AVRG		
Amyl Acetate	AVRG		
2-Methylnaphthalene	AVRG		
1-Chlorohexane	AVRG		
Chlorotrifluoromethane	AVRG		
Chlorodifluoromethane	AVRG		
tert-Amylmethyl Ether	AVRG		

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Calibration Time(s): 1145 1354

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Iodomethane	AVRG		
trans-1,4-Dichloro-2-butene	AVRG		
Acetaldehyde	AVRG		
1,3,5-Trichlorobenzene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG		
1-Bromo-2-chloroethane	AVRG		
4-Chlorobenzotrifluoride	AVRG		
2-Chloropropene	AVRG		
tert-Butyl ethyl ether	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.21626333	4.8*
Toluene-d8 (SUR)	AVRG	0.87915341	6.5*
Bromofluorobenzene (SUR)	AVRG	0.80555972	8.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date: 09/01/06 Time: 0845

Lab File ID: J68473 Init. Calib. Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1145 1354

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.281	0.276	0.1	1.8	50.0
Bromomethane	0.253	0.276		-9.1	50.0
Vinyl Chloride	0.280	0.285		-1.8	20.0
Chloroethane	0.172	0.182		-5.8	50.0
Methylene Chloride	0.256	0.278		-8.6	50.0
Acetone	0.066	0.052		21.2	50.0
Carbon Disulfide	0.699	0.704		-0.7	50.0
Trichlorofluoromethane	0.437	0.489		-11.9	50.0
1,1-Dichloroethene	0.202	0.222		-9.9	20.0
1,1-Dichloroethane	0.512	0.559	0.1	-9.2	50.0
trans-1,2-Dichloroethene	0.258	0.280		-8.5	50.0
cis-1,2-Dichloroethene	0.276	0.323		-17.0	50.0
Chloroform	0.489	0.535		-9.4	20.0
1,2-Dichloroethane	0.257	0.282		-9.7	50.0
2-Butanone	0.018	0.022		-22.2	50.0
1,1,1-Trichloroethane	0.342	0.396		-15.8	50.0
Carbon Tetrachloride	0.303	0.364		-20.1	50.0
Bromodichloromethane	0.467	0.520		-11.3	50.0
1,2-Dichloropropane	0.307	0.356		-16.0	20.0
cis-1,3-Dichloropropene	0.424	0.472		-11.3	50.0
Trichloroethene	0.287	0.317		-10.4	50.0
Dibromochloromethane	0.542	0.604		-11.4	50.0
1,1,2-Trichloroethane	0.326	0.350		-7.4	50.0
Benzene	0.781	0.822		-5.2	50.0
trans-1,3-Dichloropropene	0.510	0.556		-9.0	50.0
2-Chloroethyl Vinyl Ether	0.170	0.171		-0.6	50.0
Bromoform	0.381	0.418	0.1	-9.7	50.0
4-Methyl-2-Pentanone	0.292	0.257		12.0	50.0
2-Hexanone	0.229	0.179		21.8	50.0
Tetrachloroethene	0.471	0.515		-9.3	50.0
1,1,2,2-Tetrachloroethane	1.228	1.172	0.3	4.6	50.0
Toluene	1.087	1.173		-7.9	20.0
Chlorobenzene	0.827	0.919	0.3	-11.1	50.0
Ethylbenzene	0.358	0.413		-15.4	20.0
Styrene	0.760	0.863		-13.6	50.0
Xylene (Total)	0.483	0.527		-9.1	50.0
Ethyl Ether	0.193	0.190		1.6	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date: 09/01/06 Time: 0845

Lab File ID: J68473 Init. Calib. Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1145 1354

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.005	0.005		0.0	50.0
Freon TF	0.437	0.472		-8.0	50.0
Isopropanol					50.0
Acetonitrile	0.018	0.018		0.0	50.0
TBA	0.022	0.019		13.6	50.0
Acrylonitrile	0.071	0.057		19.7	50.0
MTBE	0.597	0.600		-0.5	50.0
Hexane					50.0
DIPE	1.154	1.215		-5.3	50.0
Ethyl Acetate	0.027	0.026		3.7	50.0
Vinyl Acetate	0.779	0.803		-3.1	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.368	0.391		-6.2	50.0
Isobutanol					50.0
Isopropyl Acetate	0.624	0.587		5.9	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.484	0.442		8.7	50.0
Butyl Acetate	0.794	0.737		7.2	50.0
1,2-Dibromoethane	0.528	0.570		-8.0	50.0
1,3-Dichlorobenzene	1.078	1.199		-11.2	50.0
1,4-Dichlorobenzene	1.416	1.476		-4.2	50.0
1,2-Dichlorobenzene	1.186	1.269		-7.0	50.0
Naphthalene	1.356	1.332		1.8	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.342	0.380		-11.1	50.0
Hexachlorobutadiene	0.371	0.443		-19.4	50.0
1,4-Dioxane	0.003	0.002		33.3	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.406	0.449		-10.6	50.0
1,2,3-Trichlorobenzene	0.652	0.706		-8.3	50.0
Dichlorodifluoromethane	0.260	0.275		-5.8	50.0
1,2,3-Trichloropropane	0.277	0.286		-3.2	50.0
1,2,4-Trimethylbenzene	1.736	1.844		-6.2	50.0
1,3,5-Trimethylbenzene	1.688	1.845		-9.3	50.0
Isopropylbenzene	1.179	1.320		-12.0	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date: 09/01/06 Time: 0845

Lab File ID: J68473 Init. Calib. Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1145 1354

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3-Dichloropropane	0.609	0.669		-9.8	50.0
2,2-Dichloropropane	0.335	0.385		-14.9	50.0
2-Chlorotoluene	1.796	1.244		30.7	50.0
4-Chlorotoluene	2.070	2.147		-3.7	50.0
Bromobenzene	0.784	0.879		-12.1	50.0
1,2,4-Trichlorobenzene	0.704	0.781		-10.9	50.0
Bromochloromethane	0.166	0.194		-16.9	50.0
Dibromomethane	0.238	0.272		-14.3	50.0
n-Butylbenzene	1.523	1.684		-10.6	50.0
n-Propylbenzene	2.491	2.680		-7.6	50.0
p-Isopropyltoluene	1.781	1.909		-7.2	50.0
sec-Butylbenzene	2.231	2.447		-9.7	50.0
tert-Butylbenzene	1.763	1.860		-5.5	50.0
Allyl chloride					50.0
Benzyl chloride	1.288	1.258		2.3	50.0
Epichlorohydrin	0.030	0.027		10.0	50.0
Isoprene	0.236	0.240		-1.7	50.0
Methyl methacrylate	0.188	0.175		6.9	50.0
n-Pentane	0.036	0.039		-8.3	50.0
Allyl alcohol					50.0
2-Octanol					50.0
2-Octanone					50.0
Methyl Acetate	0.300	0.277		7.7	50.0
Ethyl Acrylate					50.0
Butyl Acrylate					50.0
Methyl cyclohexane	0.263	0.287		-9.1	50.0
Butyl Methacrylate					50.0
1,2-Dibromo-3-chloropropane	0.229	0.218		4.8	50.0
Ethyl methacrylate					50.0
Ethanol					50.0
Cyclohexanone					50.0
p-Ethyltoluene					50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Propylene Oxide					50.0
Camphene (total)					50.0
Camphor					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS8 Calibration Date: 09/01/06 Time: 0845

Lab File ID: J68473 Init. Calib. Date(s): 08/25/06 08/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1145 1354

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Amyl Acetate					50.0
2-Methylnaphthalene					50.0
1-Chlorohexane					50.0
Chlorotrifluoromethane					50.0
Chlorodifluoromethane					50.0
tert-Amylmethyl Ether					50.0
Iodomethane					50.0
trans-1,4-Dichloro-2-butene					50.0
Acetaldehyde					50.0
1,3,5-Trichlorobenzene					50.0
1,2-Dichlorotrifluoroethane					50.0
1-Bromo-2-chloroethane					50.0
4-Chlorobenzotrifluoride					50.0
2-Chloropropene					50.0
tert-Butyl ethyl ether			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.216	0.236		-9.2	50.0
Toluene-d8 (SUR)	0.879	0.926		-5.3	50.0
Bromofluorobenzene (SUR)	0.805	0.861		-7.0	50.0

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

LAB FILE ID: RRF5: O08681 RRF20: O08682 RRF50: O08683
RRF100: O08684 RRF200: O08685

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.236	0.219	0.244	0.206	0.196
Bromomethane	0.198	0.193	0.193	0.195	0.178
Vinyl Chloride	0.242	0.239	0.282	0.238	0.228
Chloroethane	0.154	0.118	0.086	0.128	0.089
Methylene Chloride	0.272	0.262	0.286	0.226	0.244
Acetone	0.086	0.048	0.046	0.040	0.036
Carbon Disulfide	0.703	0.791	0.784	0.754	0.716
Trichlorofluoromethane	0.629	0.673	0.592	0.667	0.601
1,1-Dichloroethene	0.229	0.234	0.263	0.226	0.242
1,1-Dichloroethane	0.355	0.409	0.448	0.398	0.450
trans-1,2-Dichloroethene	0.234	0.243	0.253	0.247	0.286
cis-1,2-Dichloroethene	0.264	0.276	0.288	0.262	0.304
Chloroform	0.455	0.515	0.524	0.484	0.561
1,2-Dichloroethane	0.328	0.354	0.352	0.318	0.380
2-Butanone	0.036	0.036	0.036	0.034	0.036
1,1,1-Trichloroethane	0.437	0.527	0.542	0.522	0.578
Carbon Tetrachloride	0.418	0.499	0.494	0.489	0.543
Bromodichloromethane	0.321	0.335	0.350	0.339	0.392
1,2-Dichloropropane	0.166	0.176	0.175	0.170	0.194
cis-1,3-Dichloropropene	0.244	0.302	0.334	0.324	0.380
Trichloroethene	0.306	0.293	0.292	0.282	0.320
Dibromochloromethane	0.240	0.285	0.300	0.316	0.375
1,1,2-Trichloroethane	0.147	0.157	0.155	0.157	0.179
Benzene	0.915	0.954	0.940	0.886	1.000
trans-1,3-Dichloropropene	0.288	0.351	0.374	0.402	0.456
2-Chloroethyl Vinyl Ether	0.052	0.068	0.074	0.084	0.087
Bromoform	0.156	0.187	0.211	0.219	0.266
4-Methyl-2-Pentanone	0.075	0.099	0.108	0.117	0.118
2-Hexanone	0.060	0.094	0.114	0.112	0.116
Tetrachloroethene	0.453	0.468	0.450	0.441	0.466
1,1,2,2-Tetrachloroethane	0.384	0.395	0.386	0.392	0.448
Toluene	1.230	1.486	1.427	1.372	1.458
Chlorobenzene	0.920	1.016	1.001	0.928	0.997
Ethylbenzene	0.348	0.538	0.560	0.510	0.541
Styrene	0.679	1.029	1.113	1.001	1.090
Xylene (Total)	0.510	0.690	0.725	0.646	0.686
Ethyl Ether	0.118	0.122	0.122	0.130	0.130
Acrolein	0.007	0.005	0.005	0.005	0.005
Freon TF	0.250	0.305	0.271	0.298	0.297

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

LAB FILE ID: RRF5: O08681 RRF20: O08682 RRF50: O08683
RRF100: O08684 RRF200: O08685

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile	0.017	0.014	0.015	0.013	0.013
TBA	0.018	0.017	0.019	0.018	0.018
Acrylonitrile	0.050	0.043	0.047	0.042	0.045
MTBE	0.468	0.514	0.523	0.556	0.560
Hexane					
DIPE	0.415	0.472	0.456	0.487	0.482
Ethyl Acetate	0.018	0.018	0.017	0.018	0.019
Vinyl Acetate	0.170	0.148	0.130	0.142	0.145
Tetrahydrofuran					
Cyclohexane	0.307	0.368	0.344	0.368	0.373
Isobutanol					
Isopropyl Acetate	0.133	0.145	0.157	0.173	0.176
n-Heptane					
n-Butanol					
Propyl Acetate					
Butyl Acetate	0.136	0.198	0.206	0.245	0.248
1,2-Dibromoethane	0.193	0.216	0.226	0.231	0.262
1,3-Dichlorobenzene	1.305	1.570	1.553	1.401	1.508
1,4-Dichlorobenzene	1.518	1.610	1.582	1.414	1.510
1,2-Dichlorobenzene	1.240	1.480	1.484	1.311	1.407
Naphthalene	1.322	1.243	1.711	1.637	1.690
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
1,1-Dichloropropene	0.295	0.360	0.363	0.349	0.392
Hexachlorobutadiene	0.746	0.873	0.910	0.724	0.603
1,4-Dioxane	0.003	0.002	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.304	0.356	0.363	0.366	0.407
1,2,3-Trichlorobenzene	0.660	0.824	0.982	0.849	0.839
Dichlorodifluoromethane	0.412	0.444	0.474	0.393	0.377
1,2,3-Trichloropropane	0.159	0.164	0.160	0.163	0.185
1,2,4-Trimethylbenzene	1.842	2.795	2.850	2.532	2.707
1,3,5-Trimethylbenzene	1.798	2.787	2.819	2.542	2.712
1,3-Dichloropropane	0.277	0.326	0.334	0.343	0.393
Isopropylbenzene	1.233	1.911	2.083	1.818	1.950
2,2-Dichloropropane	0.380	0.459	0.464	0.449	0.502
2-Chlorotoluene	1.767	2.315	2.179	1.991	2.112
4-Chlorotoluene	1.835	2.382	2.321	2.110	2.248

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

LAB FILE ID: RRF5: O08681 RRF20: O08682 RRF50: O08683
RRF100: O08684 RRF200: O08685

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Bromobenzene	0.632	0.755	0.739	0.697	0.762
1,2,4-Trichlorobenzene	0.655	0.895	1.064	0.935	0.944
Bromochloromethane	0.149	0.153	0.168	0.139	0.155
Dibromomethane	0.127	0.141	0.143	0.132	0.154
n-Butylbenzene	1.755	2.774	2.908	2.465	2.399
n-Propylbenzene	2.262	3.505	3.518	3.196	3.394
p-Isopropyltoluene	2.235	3.405	3.465	2.977	3.044
sec-Butylbenzene	2.416	3.508	3.515	3.038	3.089
tert-Butylbenzene	1.537	2.525	2.536	2.262	2.384
Allyl chloride					
Benzyl chloride	0.702	0.943	1.003	1.148	1.171
Epichlorohydrin					
Isoprene	0.239	0.272	0.256	0.290	0.294
Methyl methacrylate					
n-Pentane	0.037	0.038	0.028	0.037	0.036
Allyl alcohol					
Cyclohexene					
Ethyl methacrylate					
Methyl acetate	0.141	0.120	0.132	0.132	0.127
Methyl cyclohexane	0.402	0.498	0.461	0.485	0.487
Ethanol					
p-Ethyltoluene					
1,2-Dibromo-3-chloropropane	0.091	0.096	0.109	0.106	0.120
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Isobutyl Acetate					
Chlorodifluoromethane					
Cyclohexanone					
2-Nitropropane					
2-Methylnaphthalene					
tert-Amylmethyl Ether					
2-Heptanone					
Iodomethane					
trans-1,4-Dichloro-2-butene					
2-Chloropropene					
1,2-Dichloroethane-d4 (SUR)	0.362	0.325	0.307	0.259	0.269
Toluene-d8 (SUR)	1.284	1.206	1.148	1.056	1.009
Bromofluorobenzene (SUR)	0.789	0.740	0.727	0.684	0.673

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.22053521	9.1**
Bromomethane	AVRG	0.19154023	4.1*
Vinyl Chloride	AVRG	0.24576780	8.5*
Chloroethane	AVRG	0.11513218	24.5*
Methylene Chloride	AVRG	0.25812379	9.2*
Acetone	AVRG	0.05120604	39.5*
Carbon Disulfide	AVRG	0.74956587	5.2*
Trichlorofluoromethane	AVRG	0.63230233	5.9*
1,1-Dichloroethene	AVRG	0.23888460	6.2*
1,1-Dichloroethane	AVRG	0.41195649	9.5**
trans-1,2-Dichloroethene	AVRG	0.25264400	7.8*
cis-1,2-Dichloroethene	AVRG	0.27887063	6.2*
Chloroform	AVRG	0.50789938	7.9*
1,2-Dichloroethane	AVRG	0.34647942	7.0*
2-Butanone	AVRG	0.03549078	2.0*
1,1,1-Trichloroethane	AVRG	0.52131397	10.0*
Carbon Tetrachloride	AVRG	0.48868607	9.2*
Bromodichloromethane	AVRG	0.34733537	7.8*
1,2-Dichloropropane	AVRG	0.17612011	6.0*
cis-1,3-Dichloropropene	AVRG	0.31659665	15.6*
Trichloroethene	AVRG	0.29860667	4.9*
Dibromochloromethane	AVRG	0.30341637	16.2*
1,1,2-Trichloroethane	AVRG	0.15906337	7.5*
Benzene	AVRG	0.93901214	4.5*
trans-1,3-Dichloropropene	AVRG	0.37435676	16.5*
2-Chloroethyl Vinyl Ether	AVRG	0.07274880	19.2*
Bromoform	AVRG	0.20802465	19.6**
4-Methyl-2-Pentanone	AVRG	0.10340665	17.1*
2-Hexanone	AVRG	0.09912832	24.0*
Tetrachloroethene	AVRG	0.45569103	2.5*
1,1,2,2-Tetrachloroethane	AVRG	0.40083762	6.6**
Toluene	AVRG	1.39467476	7.2*
Chlorobenzene	AVRG	0.97240722	4.6**
Ethylbenzene	AVRG	0.49952475	17.3*
Styrene	AVRG	0.98246477	17.8*
Xylene (Total)	AVRG	0.65154879	12.9*
Ethyl Ether	AVRG	0.12441886	4.3*
Acrolein	AVRG	0.00561259	10.1*
Freon TF	AVRG	0.28447287	8.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.01443615	12.4*
TBA	AVRG	0.01803054	4.8*
Acrylonitrile	AVRG	0.04551572	7.3*
MTBE	AVRG	0.52424961	7.1*
Hexane	AVRG		
DIPE	AVRG	0.46213066	6.2*
Ethyl Acetate	AVRG	0.01807696	3.0*
Vinyl Acetate	AVRG	0.14707886	9.9*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.35208320	7.8*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.15673244	11.5*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG		
Butyl Acetate	AVRG	0.20665457	22.0*
1,2-Dibromoethane	AVRG	0.22565178	11.1*
1,3-Dichlorobenzene	AVRG	1.46717935	7.6*
1,4-Dichlorobenzene	AVRG	1.52702449	5.0*
1,2-Dichlorobenzene	AVRG	1.38450315	7.7*
Naphthalene	AVRG	1.52066220	14.5*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
1,1-Dichloropropene	AVRG	0.35181212	10.1*
Hexachlorobutadiene	AVRG	0.77110144	16.0*
1,4-Dioxane	AVRG	0.00290682	12.3*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.35913529	10.2*
1,2,3-Trichlorobenzene	AVRG	0.83087967	13.8*
Dichlorodifluoromethane	AVRG	0.42009912	9.4*
1,2,3-Trichloropropane	AVRG	0.16626723	6.5*
1,2,4-Trimethylbenzene	AVRG	2.54509194	16.2*
1,3,5-Trimethylbenzene	AVRG	2.53190441	16.7*
1,3-Dichloropropane	AVRG	0.33484368	12.3*
Isopropylbenzene	AVRG	1.79913611	18.4*
2,2-Dichloropropane	AVRG	0.45091690	9.8*
2-Chlorotoluene	AVRG	2.07287647	10.0*
4-Chlorotoluene	AVRG	2.17919666	10.0*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Bromobenzene	AVRG	0.71704401	7.5*
1,2,4-Trichlorobenzene	AVRG	0.89885477	16.7*
Bromochloromethane	AVRG	0.15285108	7.0*
Dibromomethane	AVRG	0.13943810	7.4*
n-Butylbenzene	AVRG	2.46027267	18.2*
n-Propylbenzene	AVRG	3.17517238	16.6*
p-Isopropyltoluene	AVRG	3.02521522	16.2*
sec-Butylbenzene	AVRG	3.11323955	14.4*
tert-Butylbenzene	AVRG	2.24875669	18.4*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	0.99346780	19.0*
Epichlorohydrin	AVRG		
Isoprene	AVRG	0.27033823	8.5*
Methyl methacrylate	AVRG		
n-Pentane	AVRG	0.03516406	11.2*
Allyl alcohol	AVRG		
Cyclohexene	AVRG		
Ethyl methacrylate	AVRG		
Methyl acetate	AVRG	0.13038280	5.7*
Methyl cyclohexane	AVRG	0.46657507	8.2*
Ethanol	AVRG		
p-Ethyltoluene	AVRG		
1,2-Dibromo-3-chloropropane	AVRG	0.10443237	11.0*
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
Isobutyl Acetate	AVRG		
Chlorodifluoromethane	AVRG		
Cyclohexanone	AVRG		
2-Nitropropane	AVRG		
2-Methylnaphthalene	AVRG		
tert-Amylmethyl Ether	AVRG		
2-Heptanone	AVRG		
Iodomethane	AVRG		
trans-1,4-Dichloro-2-butene	AVRG		
2-Chloropropene	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.30457250	13.8*
Toluene-d8 (SUR)	AVRG	1.14081456	9.7*
Bromofluorobenzene (SUR)	AVRG	0.72251574	6.4*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 08/30/06 Time: 1408

Lab File ID: O08771 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.220	0.264	0.1	-20.0	50.0
Bromomethane	0.191	0.202		-5.8	50.0
Vinyl Chloride	0.246	0.294		-19.5	20.0
Chloroethane	0.115	0.098		14.8	50.0
Methylene Chloride	0.258	0.285		-10.5	50.0
Acetone	0.051	0.043		15.7	50.0
Carbon Disulfide	0.750	0.801		-6.8	50.0
Trichlorofluoromethane	0.632	0.639		-1.1	50.0
1,1-Dichloroethene	0.239	0.267		-11.7	20.0
1,1-Dichloroethane	0.412	0.458	0.1	-11.2	50.0
trans-1,2-Dichloroethene	0.253	0.274		-8.3	50.0
cis-1,2-Dichloroethene	0.279	0.295		-5.7	50.0
Chloroform	0.508	0.549		-8.1	20.0
1,2-Dichloroethane	0.346	0.354		-2.3	50.0
2-Butanone	0.036	0.036		0.0	50.0
1,1,1-Trichloroethane	0.521	0.553		-6.1	50.0
Carbon Tetrachloride	0.489	0.519		-6.1	50.0
Bromodichloromethane	0.347	0.359		-3.4	50.0
1,2-Dichloropropane	0.176	0.186		-5.7	20.0
cis-1,3-Dichloropropene	0.317	0.338		-6.6	50.0
Trichloroethene	0.299	0.301		-0.7	50.0
Dibromochloromethane	0.303	0.306		-1.0	50.0
1,1,2-Trichloroethane	0.159	0.166		-4.4	50.0
Benzene	0.939	0.981		-4.5	50.0
trans-1,3-Dichloropropene	0.374	0.388		-3.7	50.0
2-Chloroethyl Vinyl Ether	0.073	0.075		-2.7	50.0
Bromoform	0.208	0.208	0.1	0.0	50.0
4-Methyl-2-Pentanone	0.103	0.107		-3.9	50.0
2-Hexanone	0.099	0.110		-11.1	50.0
Tetrachloroethene	0.456	0.450		1.3	50.0
1,1,2,2-Tetrachloroethane	0.401	0.423	0.3	-5.5	50.0
Toluene	1.395	1.490		-6.8	20.0
Chlorobenzene	0.972	1.031	0.3	-6.1	50.0
Ethylbenzene	0.499	0.564		-13.0	20.0
Styrene	0.982	1.136		-15.7	50.0
Xylene (Total)	0.651	0.728		-11.8	50.0
Ethyl Ether	0.124	0.142		-14.5	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 08/30/06 Time: 1408

Lab File ID: O08771 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.005	0.006		-20.0	50.0
Freon TF	0.284	0.302		-6.3	50.0
Isopropanol					50.0
Acetonitrile	0.014	0.015		-7.1	50.0
TBA	0.018	0.018		0.0	50.0
Acrylonitrile	0.045	0.048		-6.7	50.0
MTBE	0.524	0.550		-5.0	50.0
Hexane					50.0
DIPE	0.462	0.516		-11.7	50.0
Ethyl Acetate	0.018	0.017		5.6	50.0
Vinyl Acetate	0.147	0.121		17.7	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.352	0.380		-8.0	50.0
Isobutanol					50.0
Isopropyl Acetate	0.157	0.157		0.0	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate					50.0
Butyl Acetate	0.207	0.206		0.5	50.0
1,2-Dibromoethane	0.226	0.227		-0.4	50.0
1,3-Dichlorobenzene	1.467	1.580		-7.7	50.0
1,4-Dichlorobenzene	1.527	1.618		-6.0	50.0
1,2-Dichlorobenzene	1.384	1.476		-6.6	50.0
Naphthalene	1.521	1.420		6.6	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.352	0.372		-5.7	50.0
Hexachlorobutadiene	0.771	0.768		0.4	50.0
1,4-Dioxane	0.003	0.003		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.359	0.382		-6.4	50.0
1,2,3-Trichlorobenzene	0.831	0.831		0.0	50.0
Dichlorodifluoromethane	0.420	0.453		-7.8	50.0
1,2,3-Trichloropropane	0.166	0.164		1.2	50.0
1,2,4-Trimethylbenzene	2.545	2.877		-13.0	50.0
1,3,5-Trimethylbenzene	2.532	2.841		-12.2	50.0
1,3-Dichloropropane	0.335	0.346		-3.3	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 08/30/06 Time: 1408

Lab File ID: O08771 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Isopropylbenzene	1.799	2.084		-15.8	50.0
2,2-Dichloropropane	0.451	0.481		-6.6	50.0
2-Chlorotoluene	2.073	2.223		-7.2	50.0
4-Chlorotoluene	2.179	2.365		-8.5	50.0
Bromobenzene	0.717	0.744		-3.8	50.0
1,2,4-Trichlorobenzene	0.899	0.910		-1.2	50.0
Bromochloromethane	0.153	0.162		-5.9	50.0
Dibromomethane	0.139	0.146		-5.0	50.0
n-Butylbenzene	2.460	2.897		-17.8	50.0
n-Propylbenzene	3.175	3.604		-13.5	50.0
p-Isopropyltoluene	3.025	3.456		-14.2	50.0
sec-Butylbenzene	3.113	3.568		-14.6	50.0
tert-Butylbenzene	2.249	2.551		-13.4	50.0
Allyl chloride					50.0
Benzyl chloride	0.993	0.978		1.5	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.303		-12.2	50.0
Methyl methacrylate					50.0
n-Pentane	0.035	0.037		-5.7	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.130	0.145		-11.5	50.0
Methyl cyclohexane	0.467	0.476		-1.9	50.0
Ethanol					50.0
p-Ethyltoluene					50.0
1,2-Dibromo-3-chloropropane	0.104	0.094		9.6	50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Isobutyl Acetate					50.0
Chlorodifluoromethane					50.0
Cyclohexanone					50.0
2-Nitropropane					50.0
2-Methylnaphthalene					50.0
tert-Amylmethyl Ether			0.01		50.0
2-Heptanone			0.01		50.0
Iodomethane			0.01		50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 08/30/06 Time: 1408

Lab File ID: O08771 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
trans-1,4-Dichloro-2-butene			0.01		50.0
2-Chloropropene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.304	0.280		7.9	50.0
Toluene-d8 (SUR)	1.141	1.095		4.0	50.0
Bromofluorobenzene (SUR)	0.723	0.691		4.4	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/01/06 Time: 1000

Lab File ID: O08794 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.220	0.254	0.1	-15.4	50.0
Bromomethane	0.191	0.191		0.0	50.0
Vinyl Chloride	0.246	0.287		-16.7	20.0
Chloroethane	0.115	0.099		13.9	50.0
Methylene Chloride	0.258	0.287		-11.2	50.0
Acetone	0.051	0.046		9.8	50.0
Carbon Disulfide	0.750	0.791		-5.5	50.0
Trichlorofluoromethane	0.632	0.614		2.8	50.0
1,1-Dichloroethene	0.239	0.273		-14.2	20.0
1,1-Dichloroethane	0.412	0.466	0.1	-13.1	50.0
trans-1,2-Dichloroethene	0.253	0.277		-9.5	50.0
cis-1,2-Dichloroethene	0.279	0.293		-5.0	50.0
Chloroform	0.508	0.544		-7.1	20.0
1,2-Dichloroethane	0.346	0.351		-1.4	50.0
2-Butanone	0.036	0.037		-2.8	50.0
1,1,1-Trichloroethane	0.521	0.550		-5.6	50.0
Carbon Tetrachloride	0.489	0.500		-2.2	50.0
Bromodichloromethane	0.347	0.361		-4.0	50.0
1,2-Dichloropropane	0.176	0.184		-4.5	20.0
cis-1,3-Dichloropropene	0.317	0.333		-5.0	50.0
Trichloroethene	0.299	0.297		0.7	50.0
Dibromochloromethane	0.303	0.298		1.6	50.0
1,1,2-Trichloroethane	0.159	0.164		-3.1	50.0
Benzene	0.939	0.969		-3.2	50.0
trans-1,3-Dichloropropene	0.374	0.378		-1.1	50.0
2-Chloroethyl Vinyl Ether	0.073	0.062		15.1	50.0
Bromoform	0.208	0.208	0.1	0.0	50.0
4-Methyl-2-Pentanone	0.103	0.107		-3.9	50.0
2-Hexanone	0.099	0.100		-1.0	50.0
Tetrachloroethene	0.456	0.427		6.4	50.0
1,1,2,2-Tetrachloroethane	0.401	0.424	0.3	-5.7	50.0
Toluene	1.395	1.421		-1.9	20.0
Chlorobenzene	0.972	0.999	0.3	-2.8	50.0
Ethylbenzene	0.499	0.549		-10.0	20.0
Styrene	0.982	1.105		-12.5	50.0
Xylene (Total)	0.651	0.709		-8.9	50.0
Ethyl Ether	0.124	0.142		-14.5	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/01/06 Time: 1000

Lab File ID: O08794 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.005	0.007		-40.0	50.0
Freon TF	0.284	0.301		-6.0	50.0
Isopropanol					50.0
Acetonitrile	0.014	0.015		-7.1	50.0
TBA	0.018	0.019		-5.6	50.0
Acrylonitrile	0.045	0.052		-15.6	50.0
MTBE	0.524	0.545		-4.0	50.0
Hexane					50.0
DIPE	0.462	0.513		-11.0	50.0
Ethyl Acetate	0.018	0.019		-5.6	50.0
Vinyl Acetate	0.147	0.121		17.7	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.352	0.354		-0.6	50.0
Isobutanol					50.0
Isopropyl Acetate	0.157	0.162		-3.2	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate					50.0
Butyl Acetate	0.207	0.204		1.4	50.0
1,2-Dibromoethane	0.226	0.223		1.3	50.0
1,3-Dichlorobenzene	1.467	1.516		-3.3	50.0
1,4-Dichlorobenzene	1.527	1.567		-2.6	50.0
1,2-Dichlorobenzene	1.384	1.447		-4.6	50.0
Naphthalene	1.521	1.485		2.4	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.352	0.362		-2.8	50.0
Hexachlorobutadiene	0.771	0.793		-2.8	50.0
1,4-Dioxane	0.003	0.003		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.359	0.378		-5.3	50.0
1,2,3-Trichlorobenzene	0.831	0.850		-2.3	50.0
Dichlorodifluoromethane	0.420	0.445		-6.0	50.0
1,2,3-Trichloropropane	0.166	0.162		2.4	50.0
1,2,4-Trimethylbenzene	2.545	2.778		-9.2	50.0
1,3,5-Trimethylbenzene	2.532	2.746		-8.4	50.0
1,3-Dichloropropane	0.335	0.337		-0.6	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/01/06 Time: 1000

Lab File ID: 008794 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Isopropylbenzene	1.799	2.033		-13.0	50.0
2,2-Dichloropropane	0.451	0.478		-6.0	50.0
2-Chlorotoluene	2.073	2.134		-2.9	50.0
4-Chlorotoluene	2.179	2.292		-5.2	50.0
Bromobenzene	0.717	0.719		-0.3	50.0
1,2,4-Trichlorobenzene	0.899	0.924		-2.8	50.0
Bromochloromethane	0.153	0.164		-7.2	50.0
Dibromomethane	0.139	0.143		-2.9	50.0
n-Butylbenzene	2.460	2.833		-15.2	50.0
n-Propylbenzene	3.175	3.488		-9.8	50.0
p-Isopropyltoluene	3.025	3.362		-11.1	50.0
sec-Butylbenzene	3.113	3.465		-11.3	50.0
tert-Butylbenzene	2.249	2.450		-8.9	50.0
Allyl chloride					50.0
Benzyl chloride	0.993	0.947		4.6	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.295		-9.2	50.0
Methyl methacrylate					50.0
n-Pentane	0.035	0.036		-2.8	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.130	0.152		-16.9	50.0
Methyl cyclohexane	0.467	0.446		4.5	50.0
Ethanol					50.0
p-Ethyltoluene					50.0
1,2-Dibromo-3-chloropropane	0.104	0.096		7.7	50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Isobutyl Acetate					50.0
Chlorodifluoromethane					50.0
Cyclohexanone					50.0
2-Nitropropane					50.0
2-Methylnaphthalene					50.0
tert-Amylmethyl Ether			0.01		50.0
2-Heptanone			0.01		50.0
Iodomethane			0.01		50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/01/06 Time: 1000

Lab File ID: O08794 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
trans-1,4-Dichloro-2-butene			0.01		50.0
2-Chloropropene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.304	0.290		4.6	50.0
Toluene-d8 (SUR)	1.141	1.069		6.3	50.0
Bromofluorobenzene (SUR)	0.723	0.681		5.8	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/05/06 Time: 1152

Lab File ID: O08820 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.220	0.231	0.1	-5.0	50.0
Bromomethane	0.191	0.144		24.6	50.0
Vinyl Chloride	0.246	0.256		-4.1	20.0
Chloroethane	0.115	0.075		34.8	50.0
Methylene Chloride	0.258	0.246		4.6	50.0
Acetone	0.051	0.048		5.9	50.0
Carbon Disulfide	0.750	0.683		8.9	50.0
Trichlorofluoromethane	0.632	0.513		18.8	50.0
1,1-Dichloroethene	0.239	0.227		5.0	20.0
1,1-Dichloroethane	0.412	0.403	0.1	2.2	50.0
trans-1,2-Dichloroethene	0.253	0.232		8.3	50.0
cis-1,2-Dichloroethene	0.279	0.259		7.2	50.0
Chloroform	0.508	0.466		8.3	20.0
1,2-Dichloroethane	0.346	0.320		7.5	50.0
2-Butanone	0.036	0.034		5.6	50.0
1,1,1-Trichloroethane	0.521	0.470		9.8	50.0
Carbon Tetrachloride	0.489	0.418		14.5	50.0
Bromodichloromethane	0.347	0.328		5.5	50.0
1,2-Dichloropropane	0.176	0.182		-3.4	20.0
cis-1,3-Dichloropropene	0.317	0.329		-3.8	50.0
Trichloroethene	0.299	0.280		6.4	50.0
Dibromochloromethane	0.303	0.277		8.6	50.0
1,1,2-Trichloroethane	0.159	0.155		2.5	50.0
Benzene	0.939	0.898		4.4	50.0
trans-1,3-Dichloropropene	0.374	0.366		2.1	50.0
2-Chloroethyl Vinyl Ether	0.073	0.050		31.5	50.0
Bromoform	0.208	0.190	0.1	8.6	50.0
4-Methyl-2-Pentanone	0.103	0.114		-10.7	50.0
2-Hexanone	0.099	0.111		-12.1	50.0
Tetrachloroethene	0.456	0.407		10.7	50.0
1,1,2,2-Tetrachloroethane	0.401	0.405	0.3	-1.0	50.0
Toluene	1.395	1.383		0.9	20.0
Chlorobenzene	0.972	0.934	0.3	3.9	50.0
Ethylbenzene	0.499	0.516		-3.4	20.0
Styrene	0.982	1.026		-4.5	50.0
Xylene (Total)	0.651	0.661		-1.5	50.0
Ethyl Ether	0.124	0.120		3.2	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/05/06 Time: 1152

Lab File ID: O08820 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.005	0.006		-20.0	50.0
Freon TF	0.284	0.253		10.9	50.0
Isopropanol					50.0
Acetonitrile	0.014	0.014		0.0	50.0
TBA	0.018	0.017		5.6	50.0
Acrylonitrile	0.045	0.046		-2.2	50.0
MTBE	0.524	0.494		5.7	50.0
Hexane					50.0
DIPE	0.462	0.468		-1.3	50.0
Ethyl Acetate	0.018	0.018		0.0	50.0
Vinyl Acetate	0.147	0.107		27.2	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.352	0.350		0.6	50.0
Isobutanol					50.0
Isopropyl Acetate	0.157	0.172		-9.6	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate					50.0
Butyl Acetate	0.207	0.219		-5.8	50.0
1,2-Dibromoethane	0.226	0.215		4.9	50.0
1,3-Dichlorobenzene	1.467	1.439		1.9	50.0
1,4-Dichlorobenzene	1.527	1.449		5.1	50.0
1,2-Dichlorobenzene	1.384	1.344		2.9	50.0
Naphthalene	1.521	1.419		6.7	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.352	0.337		4.3	50.0
Hexachlorobutadiene	0.771	0.746		3.2	50.0
1,4-Dioxane	0.003	0.003		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.359	0.338		5.8	50.0
1,2,3-Trichlorobenzene	0.831	0.808		2.8	50.0
Dichlorodifluoromethane	0.420	0.388		7.6	50.0
1,2,3-Trichloropropane	0.166	0.156		6.0	50.0
1,2,4-Trimethylbenzene	2.545	2.639		-3.7	50.0
1,3,5-Trimethylbenzene	2.532	2.664		-5.2	50.0
1,3-Dichloropropane	0.335	0.330		1.5	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/05/06 Time: 1152

Lab File ID: O08820 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isopropylbenzene	1.799	1.848		-2.7	50.0
2,2-Dichloropropane	0.451	0.410		9.1	50.0
2-Chlorotoluene	2.073	2.068		0.2	50.0
4-Chlorotoluene	2.179	2.198		-0.9	50.0
Bromobenzene	0.717	0.697		2.8	50.0
1,2,4-Trichlorobenzene	0.899	0.910		-1.2	50.0
Bromochloromethane	0.153	0.142		7.2	50.0
Dibromomethane	0.139	0.130		6.5	50.0
n-Butylbenzene	2.460	2.695		-9.6	50.0
n-Propylbenzene	3.175	3.415		-7.6	50.0
p-Isopropyltoluene	3.025	3.179		-5.1	50.0
sec-Butylbenzene	3.113	3.326		-6.8	50.0
tert-Butylbenzene	2.249	2.368		-5.3	50.0
Allyl chloride					50.0
Benzyl chloride	0.993	0.957		3.6	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.252		6.7	50.0
Methyl methacrylate					50.0
n-Pentane	0.035	0.029		17.1	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.130	0.126		3.1	50.0
Methyl cyclohexane	0.467	0.468		-0.2	50.0
Ethanol					50.0
p-Ethyltoluene					50.0
1,2-Dibromo-3-chloropropane	0.104	0.092		11.5	50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Isobutyl Acetate					50.0
Chlorodifluoromethane					50.0
Cyclohexanone					50.0
2-Nitropropane					50.0
2-Methylnaphthalene					50.0
tert-Amylmethyl Ether			0.01		50.0
2-Heptanone			0.01		50.0
Iodomethane			0.01		50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/05/06 Time: 1152

Lab File ID: O08820 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
trans-1,4-Dichloro-2-butene			0.01		50.0
2-Chloropropene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.304	0.262		13.8	50.0
Toluene-d8 (SUR)	1.141	1.130		1.0	50.0
Bromofluorobenzene (SUR)	0.723	0.727		-0.6	50.0

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: SOIL Level: LOW Lab Job No: W345

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	OV242	92	102	104		0
02	765418	94	101	108		0
03	765419	105	99	106		0
04	765420	103	100	115		0
05	765421	99	102	160*		1
06	765422	101	98	98		0
07	765423	98	100	107		0
08	765424	105	99	104		0
09	765425	102	99	102		0
10	765426	112	97	102		0
11	765427	115	99	113		0
12	765428	114	98	103		0
13	OV244	98	98	109		0
14	765431	81	94	106		0
15	765431MS	77	98	106		0
16	765431MSD	78	101	107		0
17	765437	79	103	111		0
18	765438	78	104	108		0
19	765421R1	86	114	218*		1
20	765446	81	102	110		0
21	765448	84	102	110		0
22	765450	82	101	108		0
23	OV248	81	102	108		0
24	765436	87	99	112		0
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(57-149)
S2	= Toluene-d8	(60-147)
S3	= Bromofluorobenzene	(52-154)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: SOIL Level: HIGH Lab Job No: W345

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	JV244	120	126	137		0
02	765429	111	114	110		0
03	765430	106	111	112		0
04						
05						
06						
07						
08						
09						
10						
11						
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		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(56-147)
S2	= Toluene-d8	(62-141)
S3	= Bromofluorobenzene	(61-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 765586

MS Sample from Lab Job No: W378

QA Batch: 0744

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	53	0.00	61	115	56-142
Trichloroethene	53	0.00	54	102	66-130
Benzene	53	0.00	54	102	64-134
Toluene	53	0.00	53	100	69-129
Chlorobenzene	53	0.00	53	100	70-134

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	53	60	113	2	40	56-142
Trichloroethene	53	50	94	8	40	66-130
Benzene	53	52	98	4	40	64-134
Toluene	53	52	98	2	40	69-129
Chlorobenzene	53	52	98	2	40	70-134

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 765431

MS Sample from Lab Job No: W345

QA Batch: 0752

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	56	0.00	38	68	56-142
Trichloroethene	56	0.00	39	70	66-130
Benzene	56	0.00	40	71	64-134
Toluene	56	0.00	43	77	69-129
Chlorobenzene	56	0.00	41	73	70-134

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	54	35	65	5	40	56-142
Trichloroethene	54	36	67	4	40	66-130
Benzene	54	37	69	4	40	64-134
Toluene	54	40	74	4	40	69-129
Chlorobenzene	54	38	70	4	40	70-134

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: HIGH

Matrix Spike - Lab Sample No.: 764331

MS Sample from Lab Job No: W190

QA Batch: 0742

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	5700	0.00	6300	111	65-126
Trichloroethene	5700	0.00	6200	109	65-129
Benzene	5700	0.00	6000	105	73-127
Toluene	5700	0.00	6100	107	70-128
Chlorobenzene	5700	0.00	6200	109	71-131

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5700	6600	116	5	40	65-126
Trichloroethene	5700	6300	111	2	40	65-129
Benzene	5700	6100	107	2	40	73-127
Toluene	5700	5900	104	3	40	70-128
Chlorobenzene	5700	6100	107	2	40	71-131

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J68473 Date Analyzed: 09/01/06

Instrument ID: VOAMS8 Time Analyzed: 0845

		IS1 AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	4711155		7.65		3183975		11.04		1715948		13.35	
	UPPER LIMIT	9422310		8.15		6367950		11.54		3431896		13.85	
	LOWER LIMIT	2355578		7.15		1591988		10.54		857974		12.85	
	LABORATORY SAMPLE NO.												
01	JV244	4486349		7.65		3173729		11.04		1427948		13.34	
02	765429	3817835		7.66		2587596		11.05		1286925		13.35	
03	765430	4114841		7.67		3026152		11.05		1487793		13.35	
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): O08771 Date Analyzed: 08/30/06

Instrument ID: VOAMS12 Time Analyzed: 1408

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	1152351	2.88	955158	6.02	645977	9.31
	UPPER LIMIT	2304702	3.38	1910316	6.52	1291954	9.81
	LOWER LIMIT	576176	2.38	477579	5.52	322988	8.81
	LABORATORY SAMPLE NO.						
01	OV242	1067079	2.88	715607	6.02	397543	9.31
02	765418	1240070	2.88	894179	6.02	499228	9.32
03	765419	1206830	2.88	874882	6.02	517428	9.31
04	765420	1165267	2.88	809655	6.02	426073	9.31
05	765421	1030429	2.88	757976	6.02	250607*	9.31
06	765422	1210911	2.88	848564	6.02	528722	9.31
07	765423	1164415	2.88	816444	6.02	444086	9.31
08	765424	1143423	2.88	792458	6.02	451841	9.31
09	765425	1150332	2.88	789943	6.02	468721	9.31
10	765426	982511	2.88	751234	6.02	433105	9.31
11	765427	1049724	2.88	801576	6.02	390610	9.31
12	765428	1027874	2.88	758525	6.02	462234	9.31
13							
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18							
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20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): 008794 Date Analyzed: 09/01/06

Instrument ID: VOAMS12 Time Analyzed: 1000

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1081910	2.87	924080	6.00	643040	9.30
	UPPER LIMIT	2163820	3.37	1848160	6.50	1286080	9.80
	LOWER LIMIT	540955	2.37	462040	5.50	321520	8.80
	LABORATORY SAMPLE NO.						
01	OV244	977847	2.88	732933	6.01	397548	9.30
02	765431	1552349	2.88	1238886	6.00	786147	9.30
03	765431MS	1669254	2.88	1341962	6.01	825773	9.31
04	765431MSD	1627401	2.88	1281348	6.01	791559	9.31
05	765437	1664599	2.88	1163637	6.01	637479	9.30
06	765438	1576123	2.88	1075998	6.01	638851	9.30
07	765421R1	1371648	2.88	815672	6.01	171060*	9.30
08	765446	1680941	2.88	1168534	6.01	647004	9.30
09	765448	1641599	2.88	1182234	6.01	654525	9.30
10	765450	1658545	2.88	1177281	6.01	660900	9.30
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21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): O08820 Date Analyzed: 09/05/06

Instrument ID: VOAMS12 Time Analyzed: 1152

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1502354	2.88	1270627	6.01	806314	9.31
	UPPER LIMIT	3004708	3.38	2541254	6.51	1612628	9.81
	LOWER LIMIT	751177	2.38	635314	5.51	403157	8.81
	LABORATORY SAMPLE NO.						
01	OV248	1352869	2.88	1022892	6.01	566585	9.31
02	765436	1537924	2.88	1167574	6.02	691040	9.31
03							
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22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Job No. W345 – Environ Corporation, Inc. – Sun Chemcial SI

VOLUME 2

GC/MS Forms and Data (Semivolatiles)

GC Forms and Data

Metals Forms and Data

GC/MS Forms and Data (Semivolatiles)

Results Summary and Chromatograms

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample No: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31989.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	14 J	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	220 J	380
Anthracene	48 J	380

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample No: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31989.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	330 J	380
Pyrene	350 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	230	38
Chrysene	220 J	380
bis(2-Ethylhexyl)phthalate	160 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	160	38
Benzo(k)fluoranthene	150	38
Benzo(a)pyrene	180	38
Indeno(1,2,3-cd)pyrene	63	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	58 J	380

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample No: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31989.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Trichlorobiphenyl isomer	14.15	400	
2. Trichlorobiphenyl isomer	14.18	520	
3. Tetrachlorobiphenyl isomer	14.58	860	
4. Tetrachlorobiphnyl isomer	14.64	500	
5. Unknown	14.69	330	
6. Tetrachlorobiphenyl isomer	14.85	630	
7. Tetrachlorobiphenyl isomer	15.01	560	
8. Tetrachlorobiphenyl isomer	15.27	440	
9. Tetrachlorobiphenyl isomer	15.30	770	
10. Tetrachlorobiphenyl isomer	15.36	960	
11. Tetrachlorobiphenyl isomer	15.56	450	
12. Unknown Alkane	19.89	320	
13. Unknown Alkane	21.87	360	
14. Unknown	25.06	710	
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TOTAL ESTIMATED CONCENTRATION	7810

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d
Report Date: 18-Sep-2006 14:12

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d
Lab Smp Id: 765432 Client Smp ID: B1401-SS01
Inj Date : 15-SEP-2006 06:04
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 765432;3205451
Misc Info : W345;SB241;QA4554
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/8270C6-1.m
Meth Date : 15-Sep-2006 06:11 vanamans Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBNb.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.40000	% Moisture

Cpnd Variable Local Compound Variable

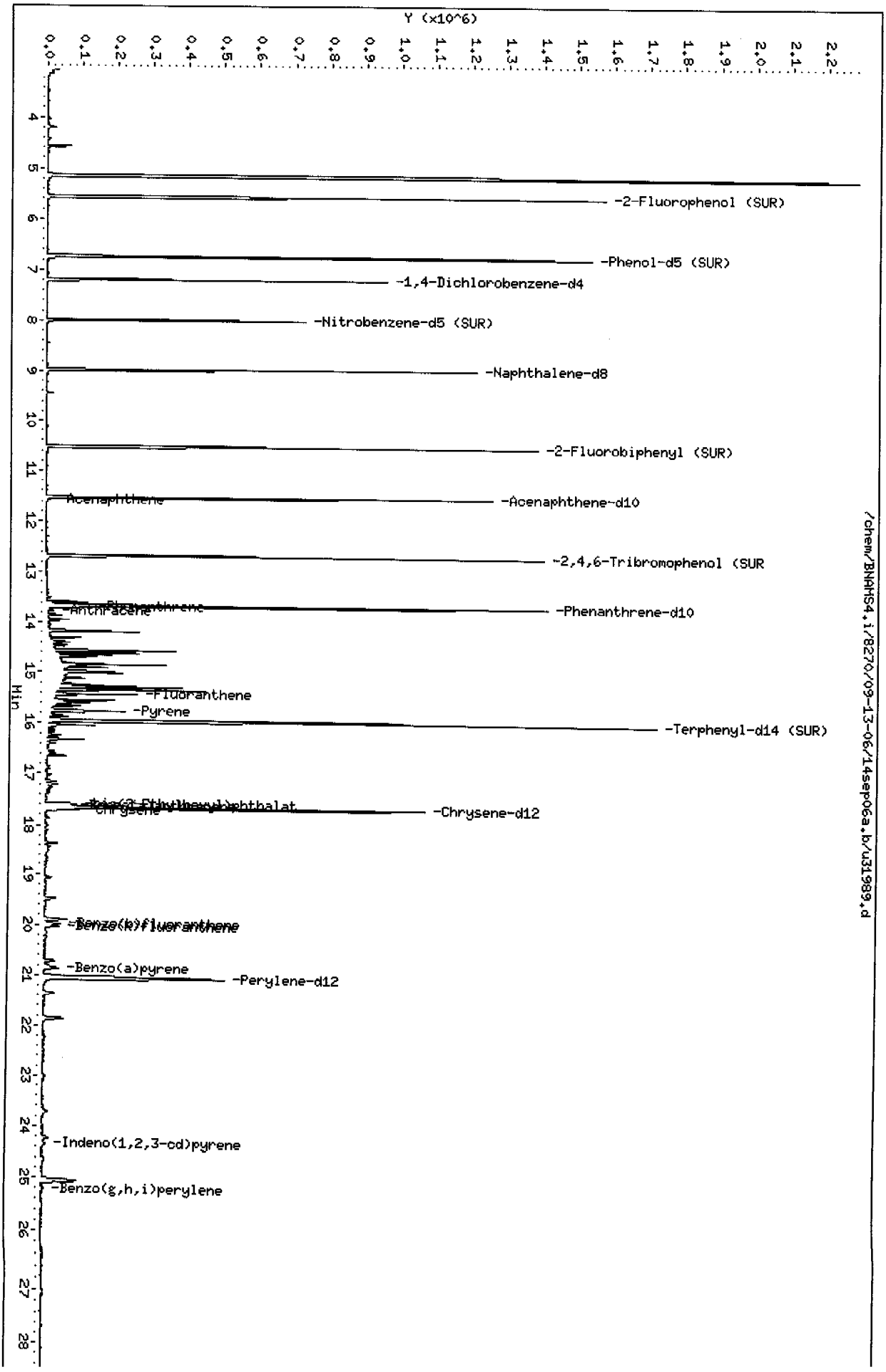
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	7.198	7.194	(1.000)	163406	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.994	8.001	(0.890)	312896	36.5131	2800
* 80 Naphthalene-d8	136	8.979	8.980	(1.000)	636422	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.528	10.525	(0.913)	507172	38.7291	3000
* 82 Acenaphthene-d10	164	11.535	11.532	(1.000)	403174	40.0000	
42 Acenaphthene	154	11.572	11.577	(1.003)	1905	0.18138	14(a)
* 83 Phenanthrene-d10	188	13.668	13.668	(1.000)	680764	40.0000	
52 Phenanthrene	178	13.698	13.706	(1.002)	53331	2.85573	220(a)
53 Anthracene	178	13.758	13.766	(1.007)	11365	0.62827	48(a)
56 Fluoranthene	202	15.439	15.440	(1.130)	108048	4.29512	330(aH)
57 Pyrene	202	15.768	15.776	(0.893)	112343	4.51498	350(a)
$ 78 Terphenyl-d14 (SUR)	244	15.963	15.954	(0.904)	766738	43.2640	3300
63 bis(2-Ethylhexyl)phthalate	149	17.588	17.593	(0.996)	36195	2.08925	160(a)

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d
Report Date: 18-Sep-2006 14:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	61 Benzo(a)anthracene	228	17.619	17.629	(0.997)	64114	3.00827	230
*	81 Chrysene-d12	240	17.664	17.666	(1.000)	806181	40.0000	
	62 Chrysene	228	17.702	17.719	(1.002)	59781	2.84586	220(a)
	65 Benzo(b)fluoranthene	252	19.984	20.017	(0.949)	50596	2.02492	160(H)
	66 Benzo(k)fluoranthene	252	20.035	20.077	(0.952)	56480	2.01261	150
	67 Benzo(a)pyrene	252	20.864	20.903	(0.991)	49965	2.41256	180
*	84 Perylene-d12	264	21.055	21.060	(1.000)	623304	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	24.352	24.406	(1.157)	18745	0.81416	63
	70 Benzo(g,h,i)perylene	276	25.214	25.294	(1.198)	15602	0.75583	58(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d
Date : 15-SEP-2006 06:04
Client ID: B1401-SS01
Sample Info: 765432;3205451
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNANS 4
Column diameter: 0.25
/chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
Acenaphthene
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

Sample Info: 765432;3205451

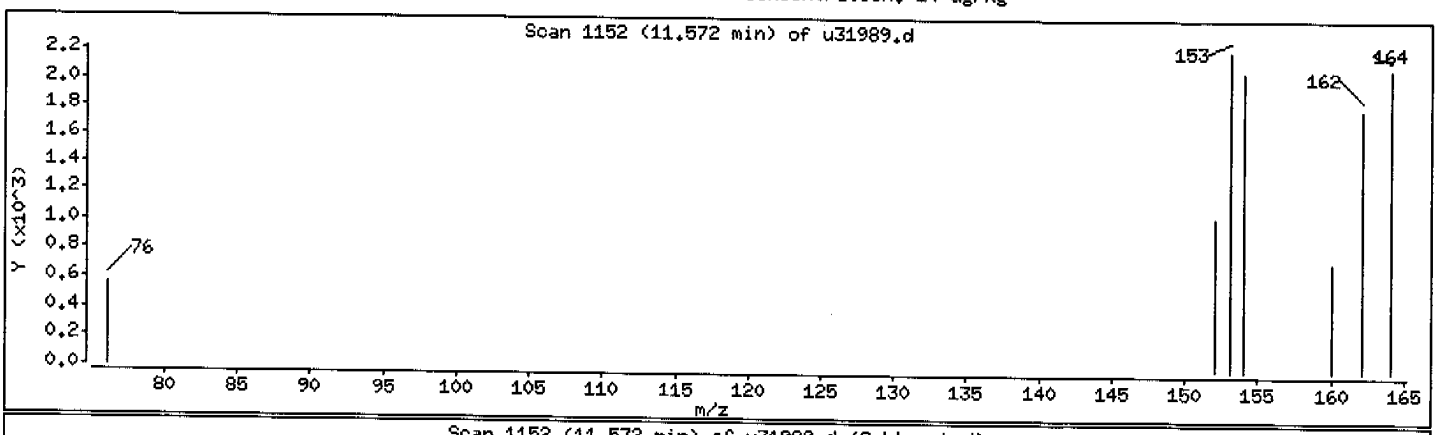
Operator: BNAMS 4

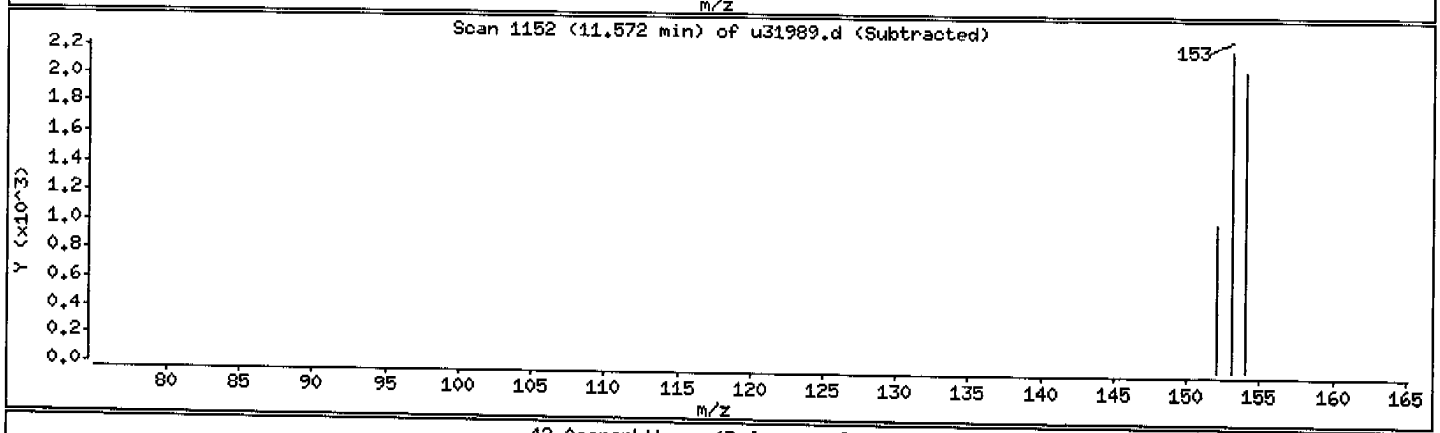
Column phase: DB-5

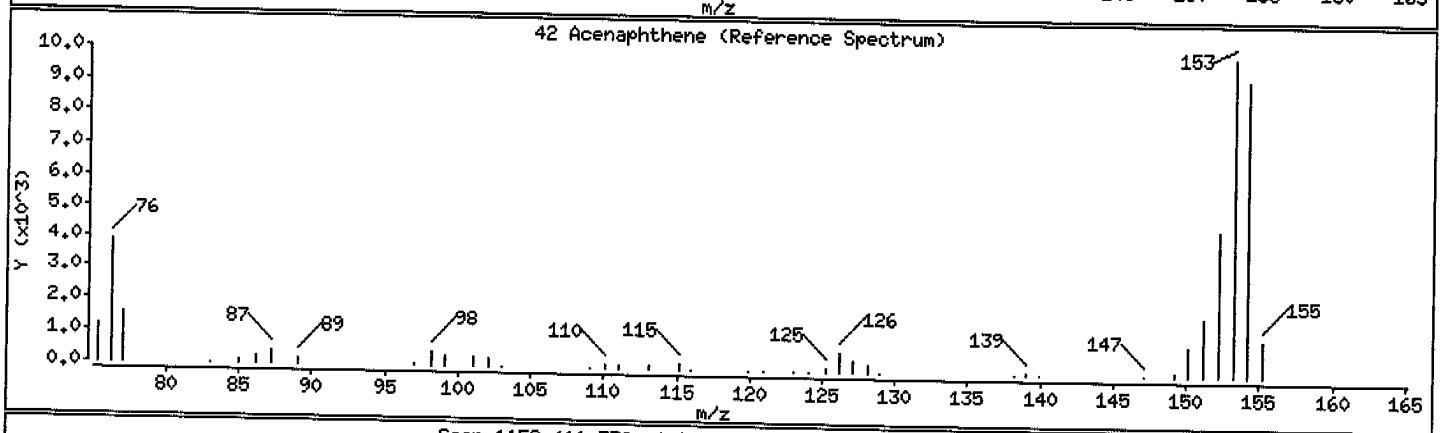
Column diameter: 0.25

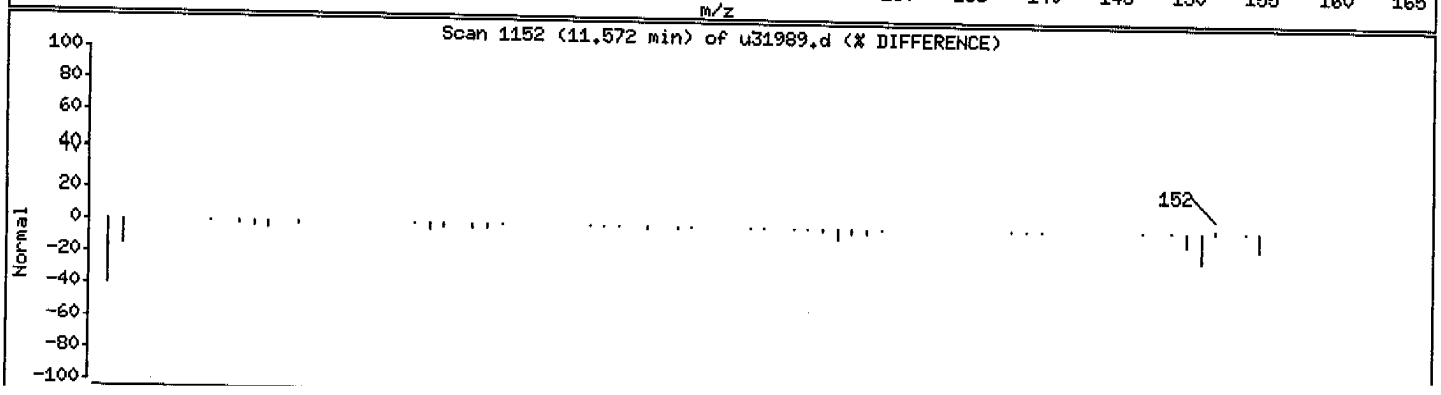
42 Acenaphthene

Concentration: 14 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

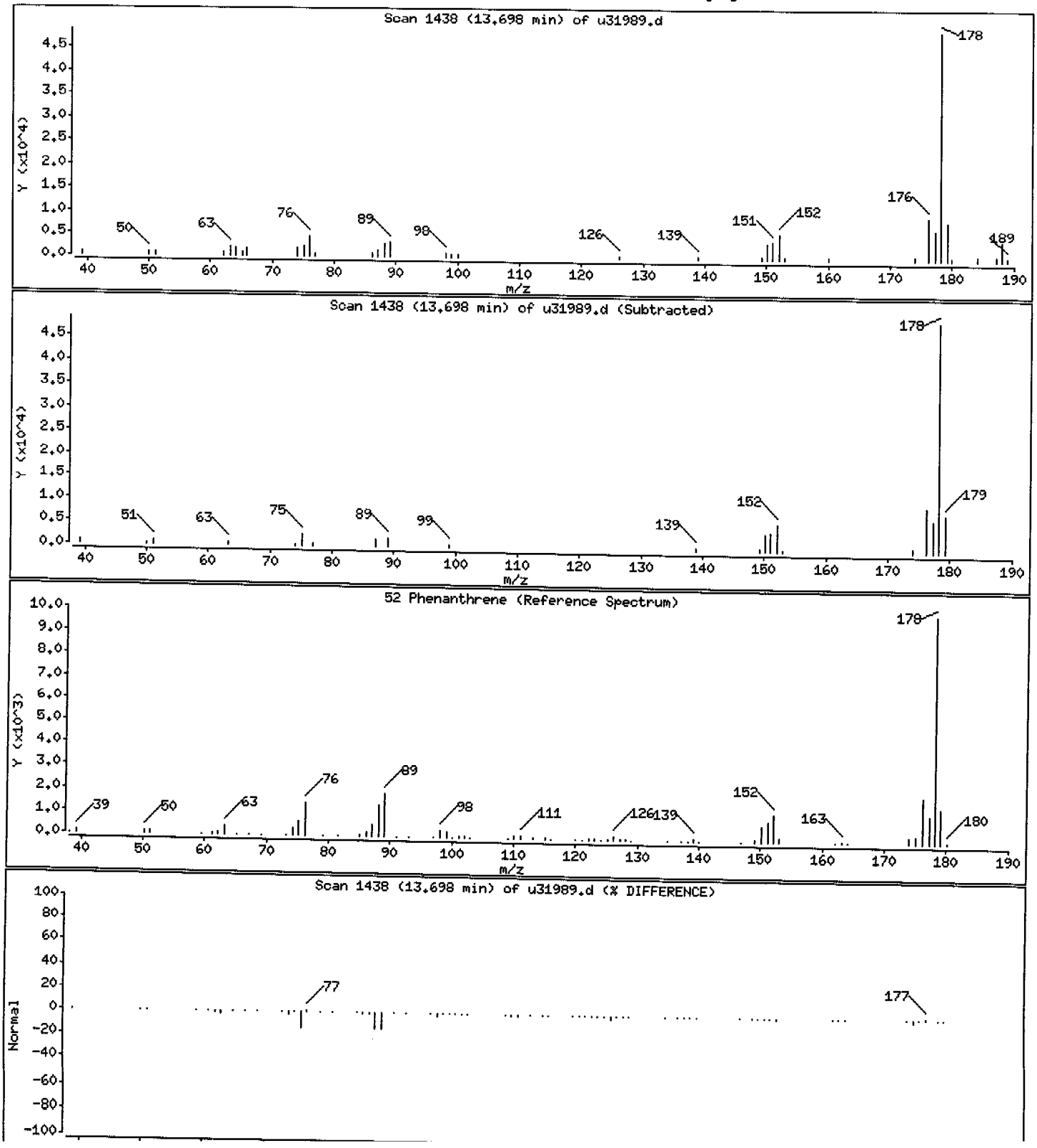
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 220 ug/Kg



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

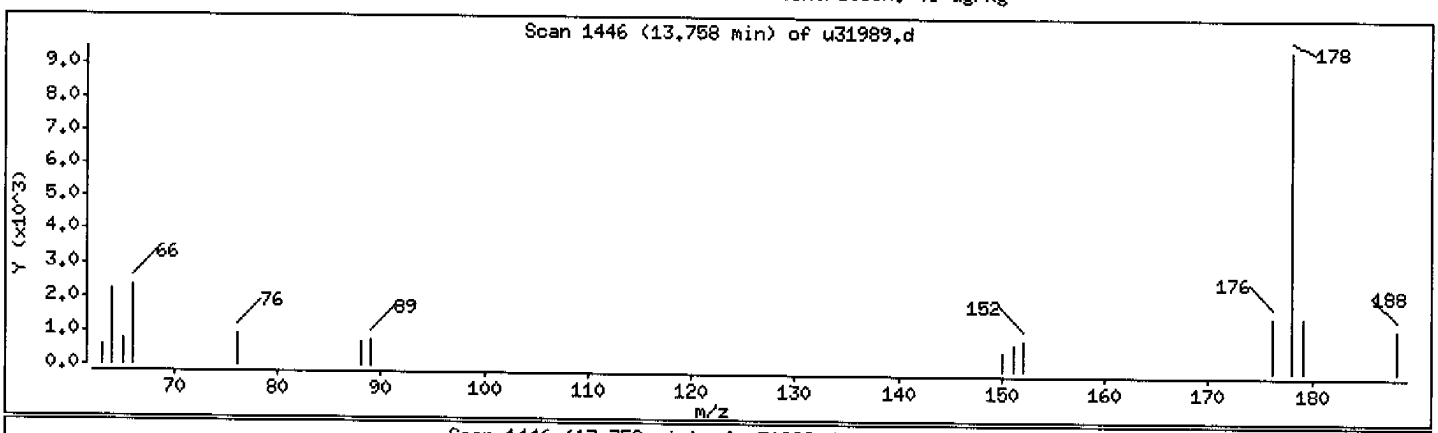
Client ID: B1401-SS01 Instrument: BNAMS4.i

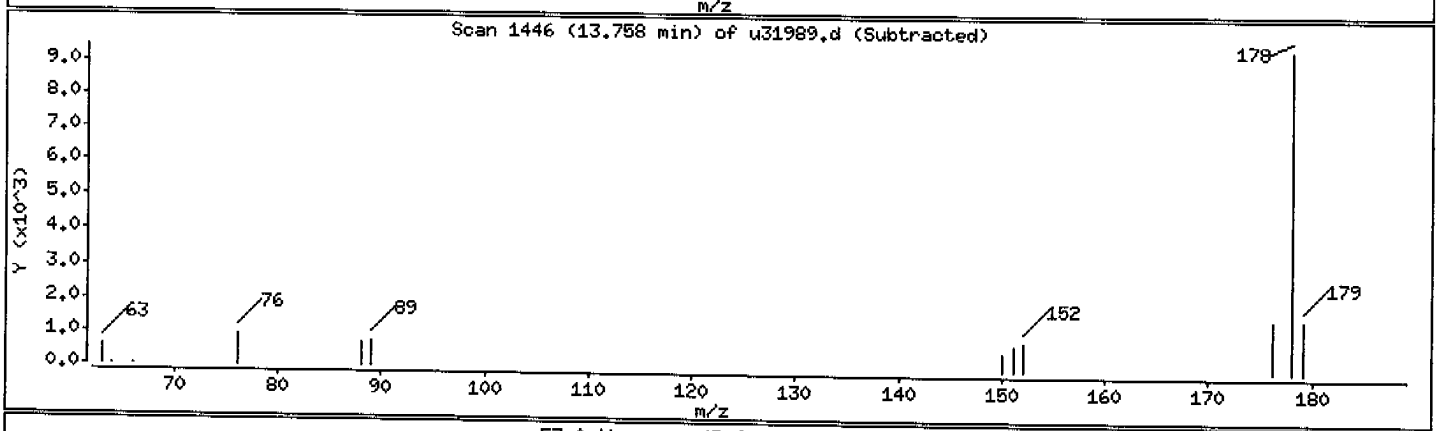
Sample Info: 765432;3205451

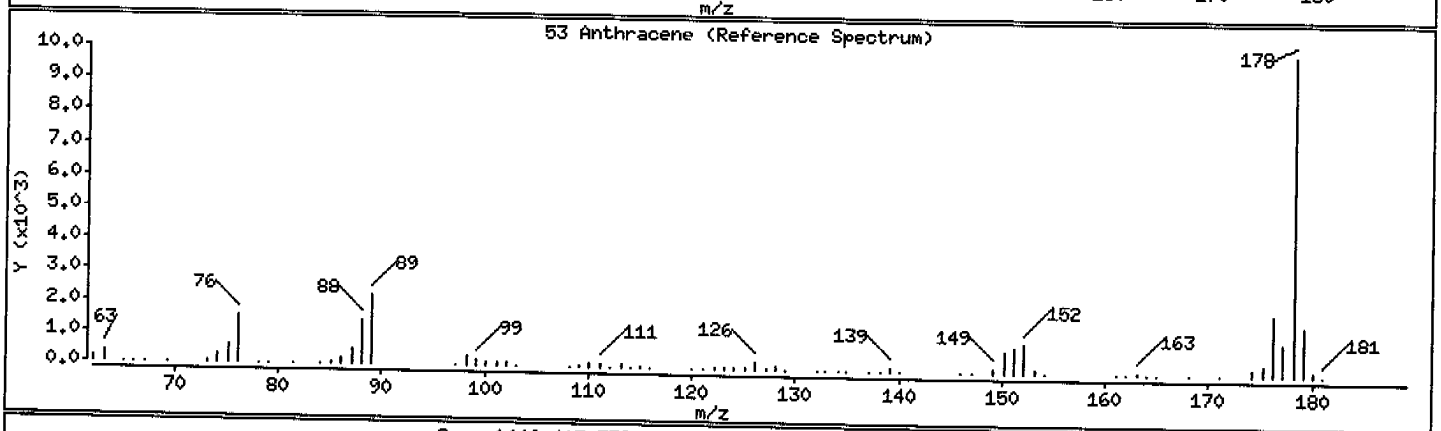
Operator: BNAMS 4

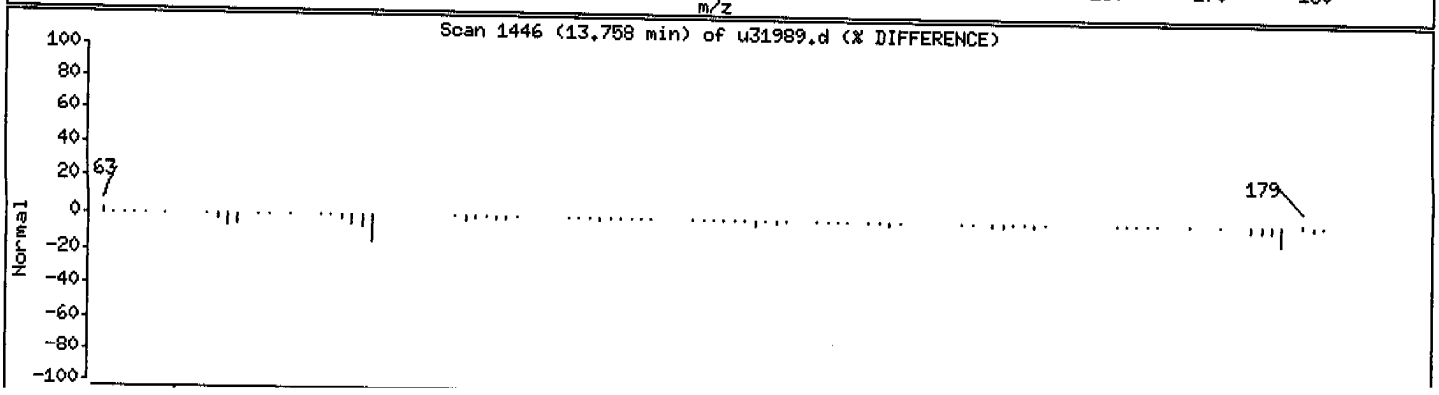
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 48 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

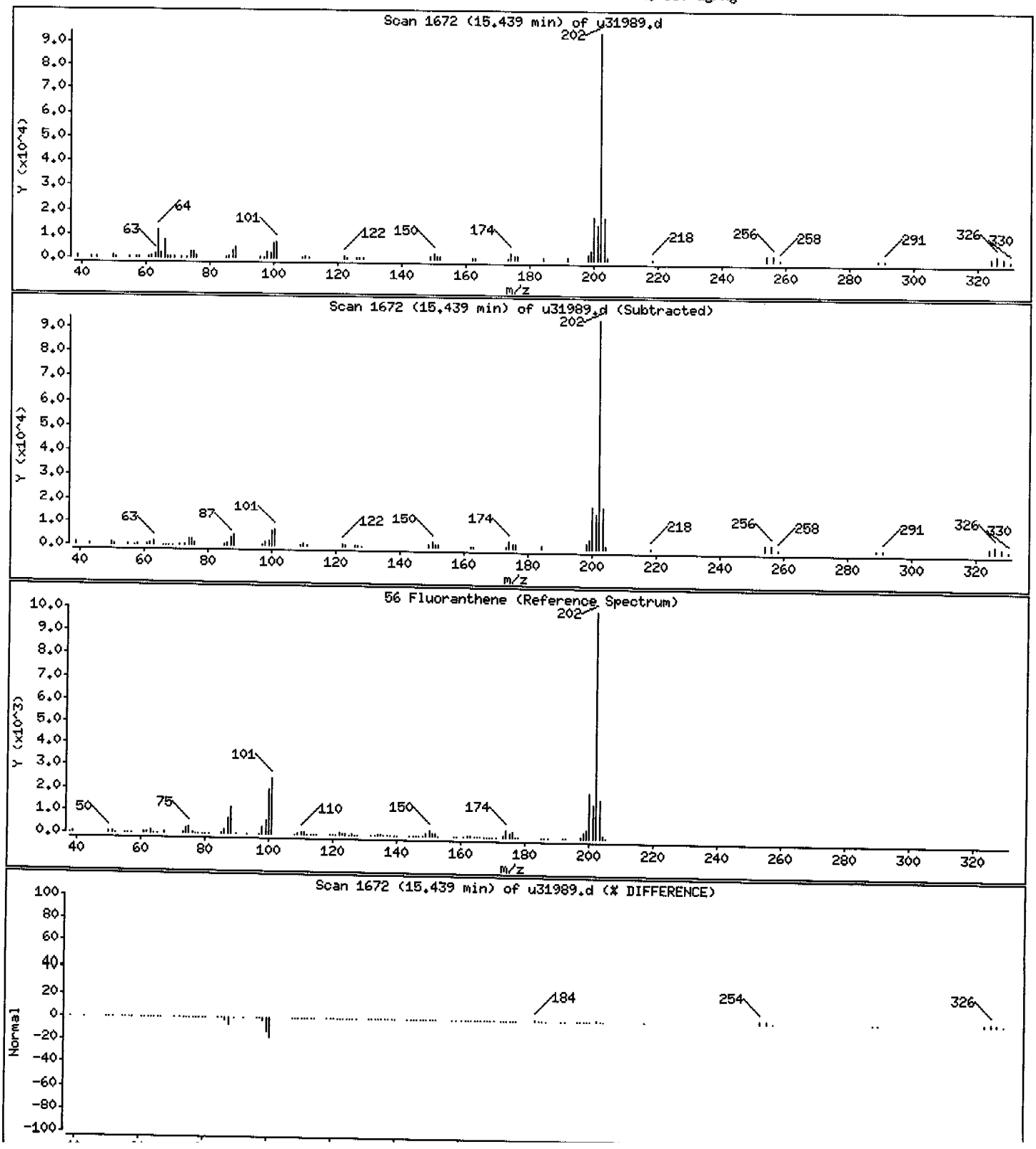
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 330 ug/Kg



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

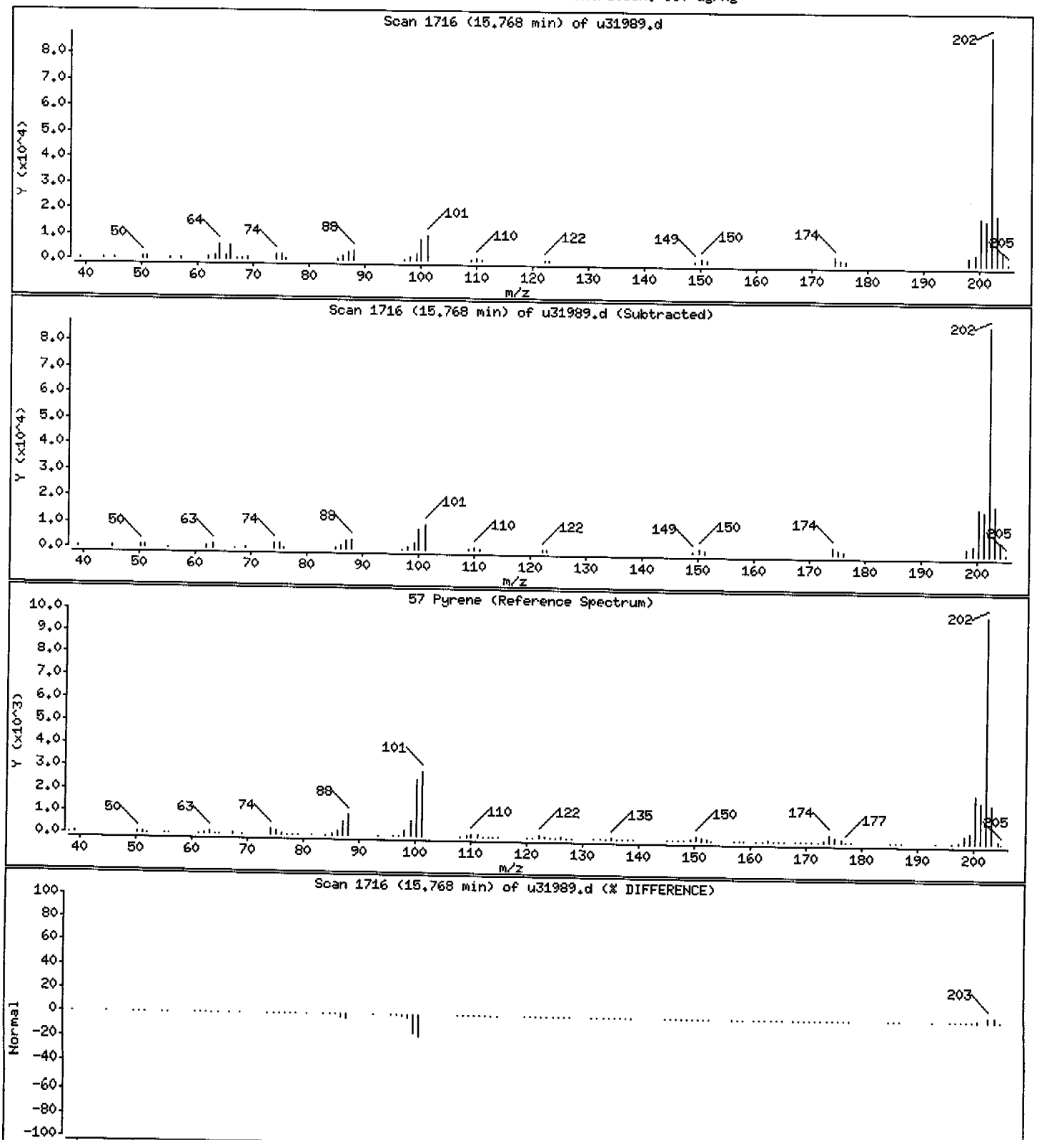
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 350 ug/Kg



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Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

Sample Info: 765432;3205451

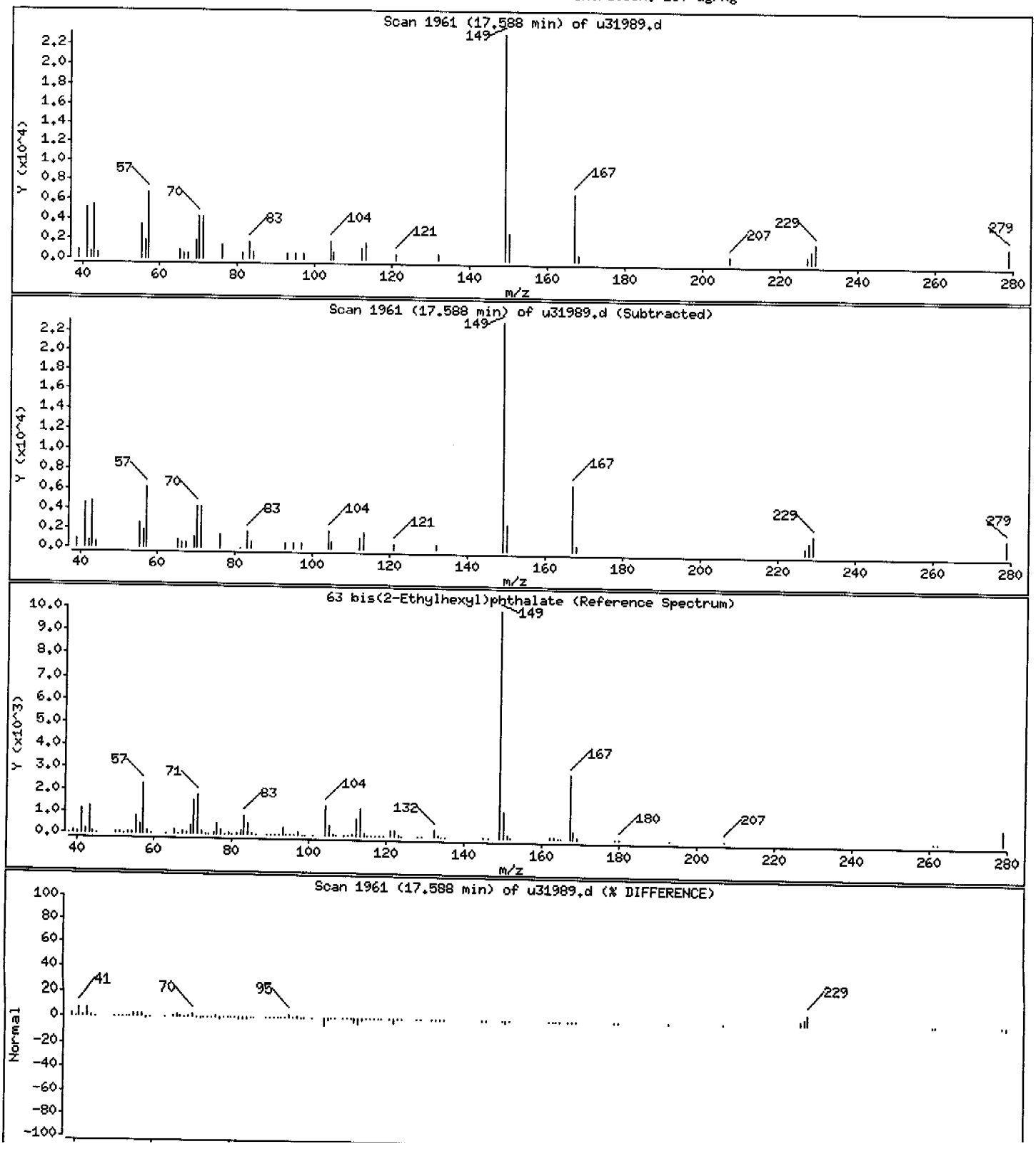
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 160 ug/Kg



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

Sample Info: 765432;3205451

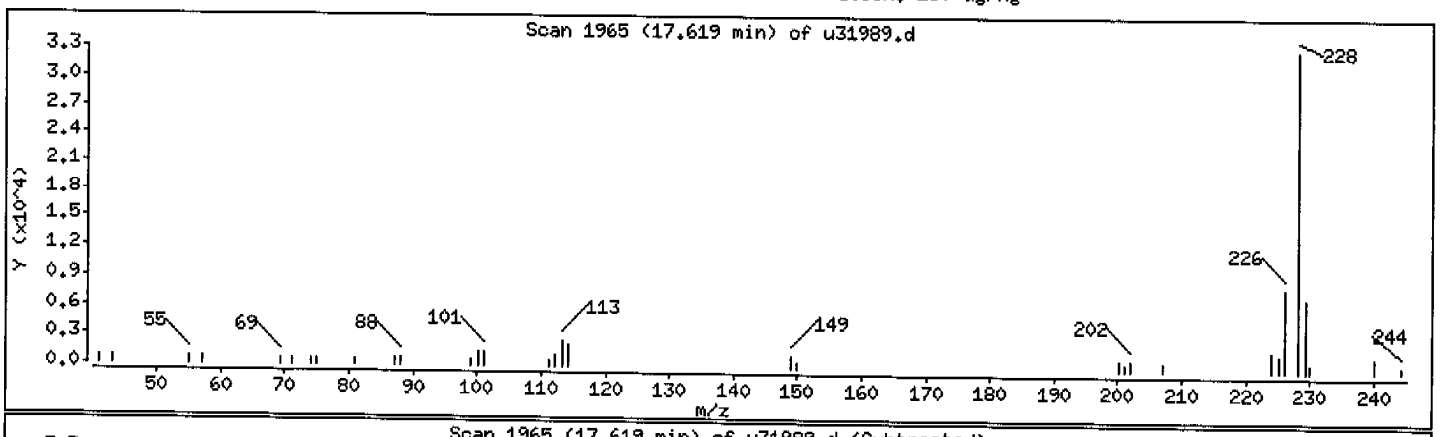
Operator: BNAMS 4

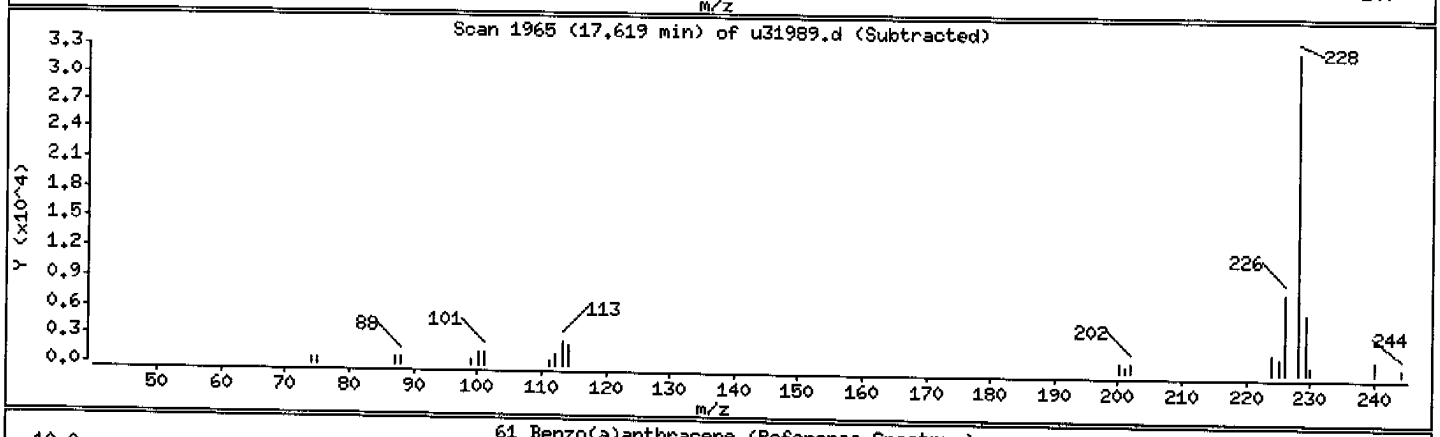
Column phase: DB-5

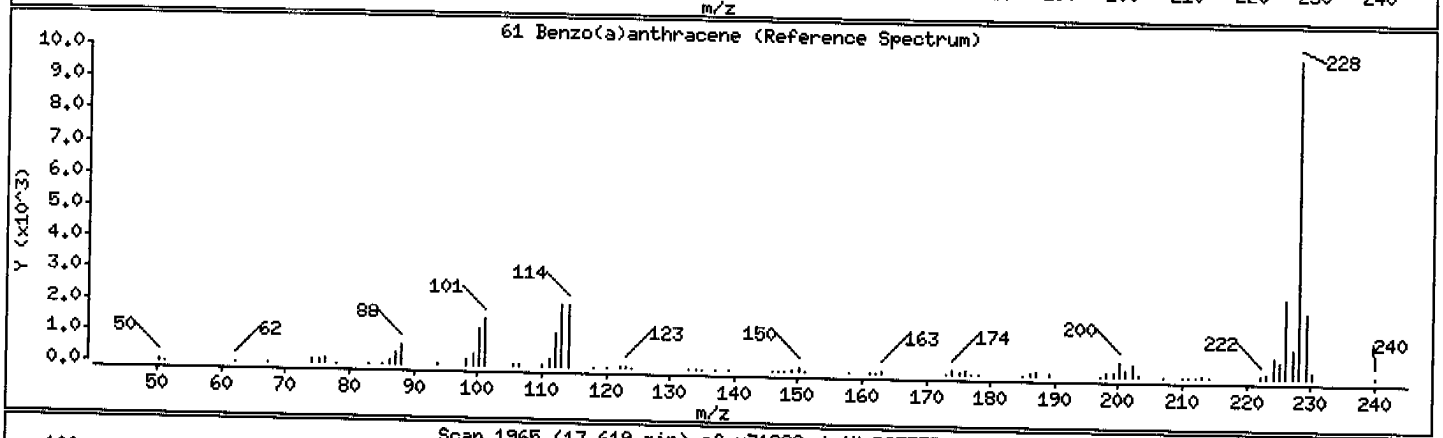
Column diameter: 0.25

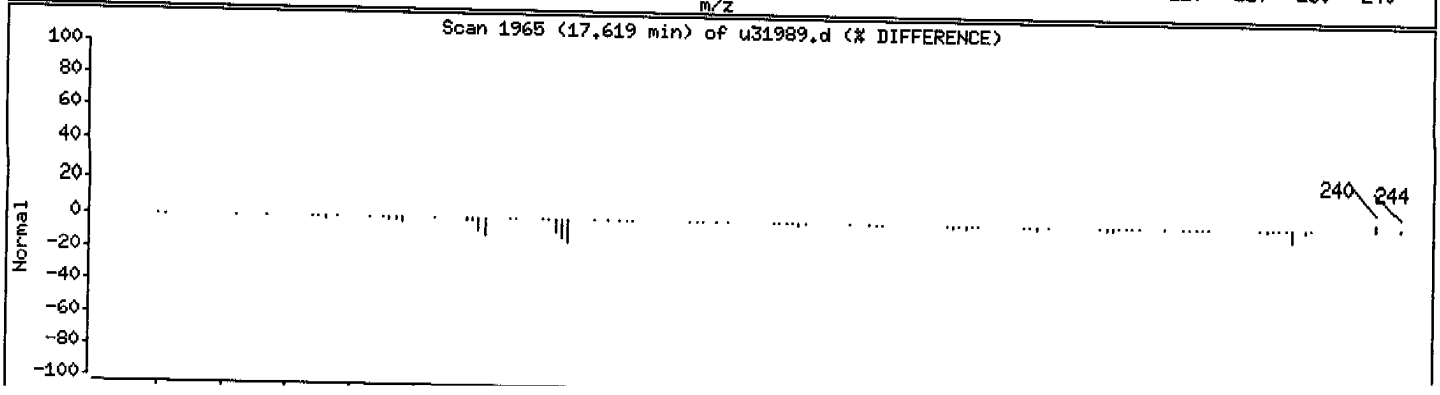
61 Benzo(a)anthracene

Concentration: 230 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

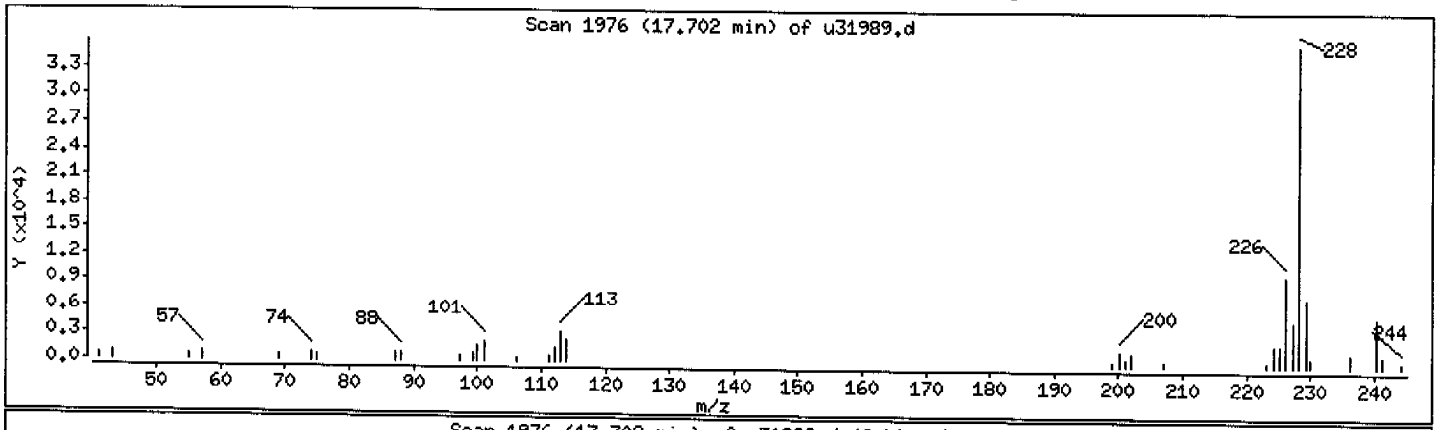
Client ID: B1401-SS01 Instrument: BNAMS4.i

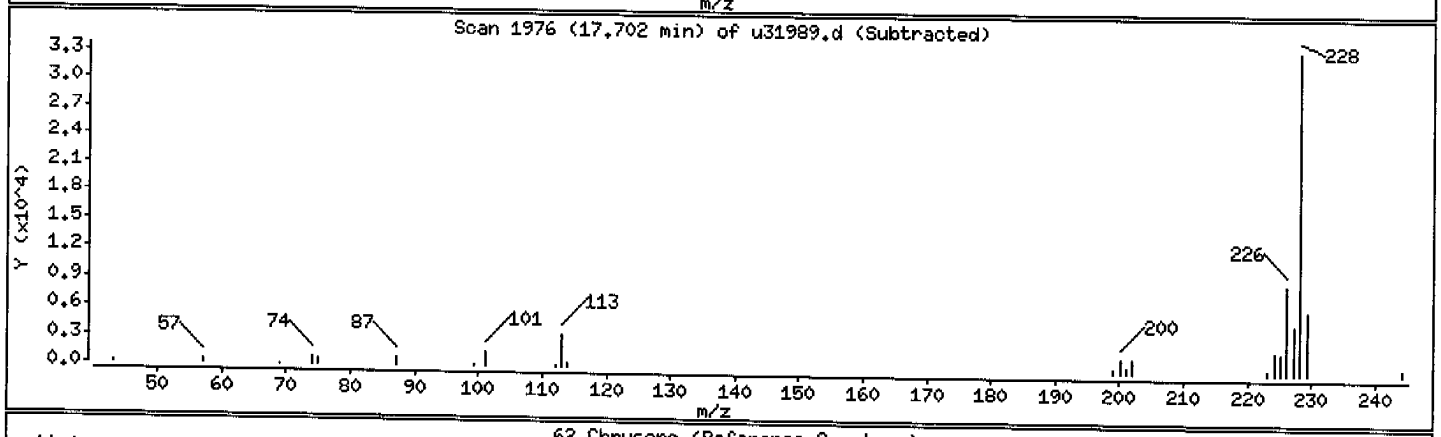
Sample Info: 765432;3205451

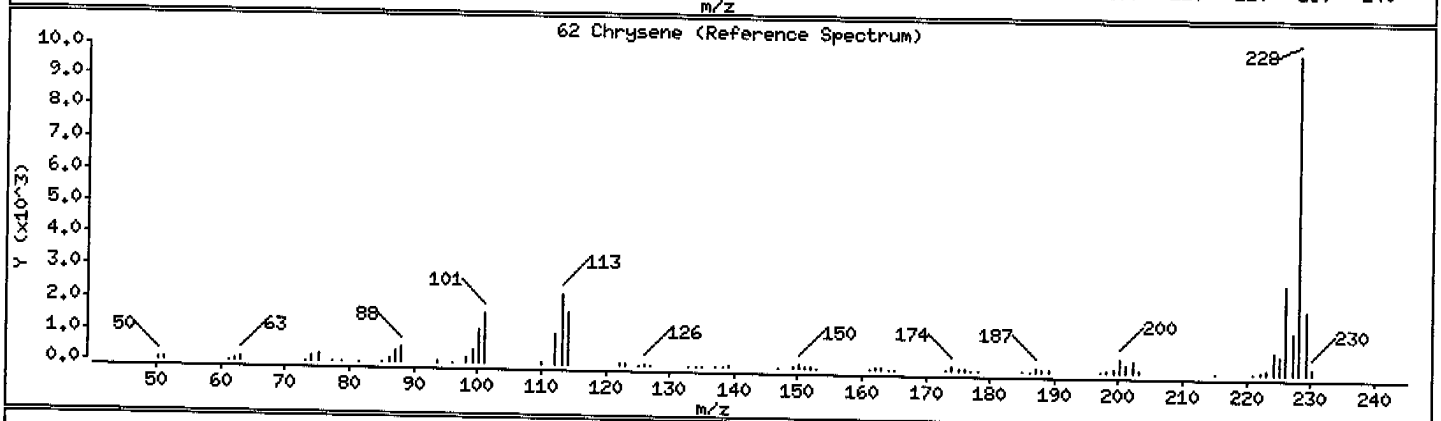
Operator: BNAMS 4

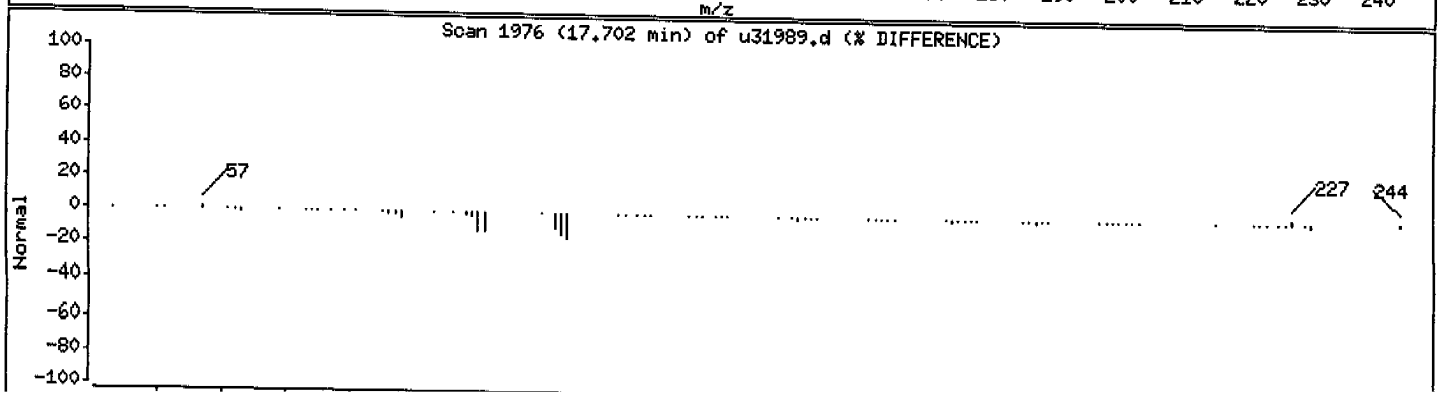
Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 220 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

Sample Info: 765432;3205451

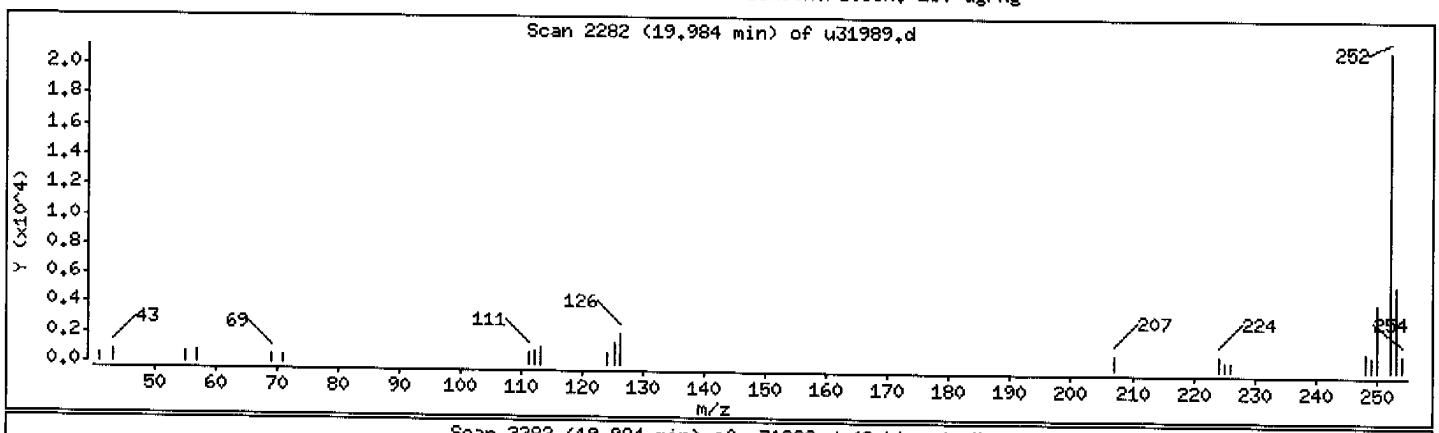
Operator: BNAMS 4

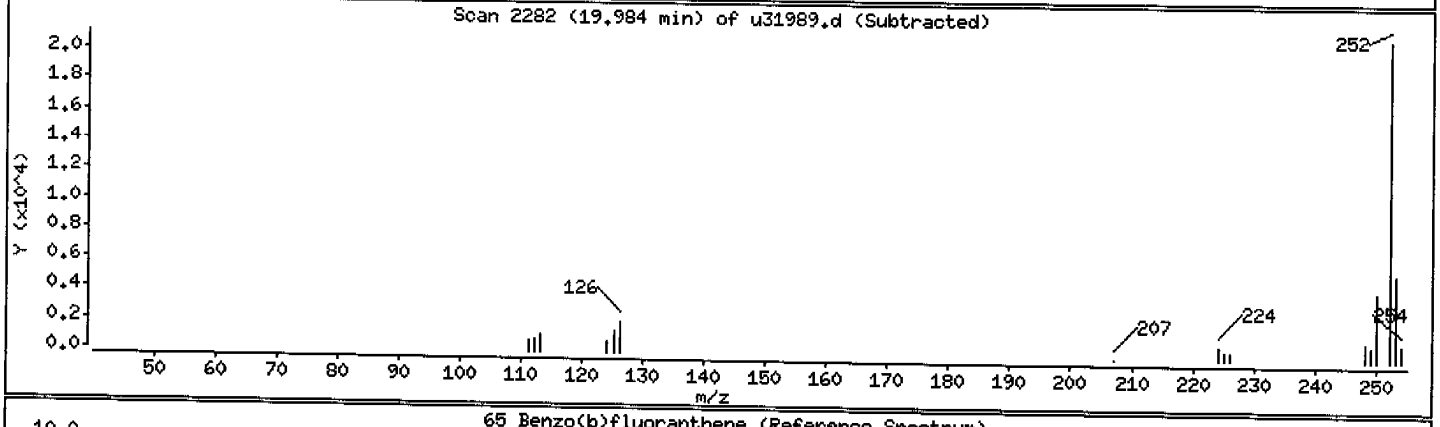
Column phase: DB-5

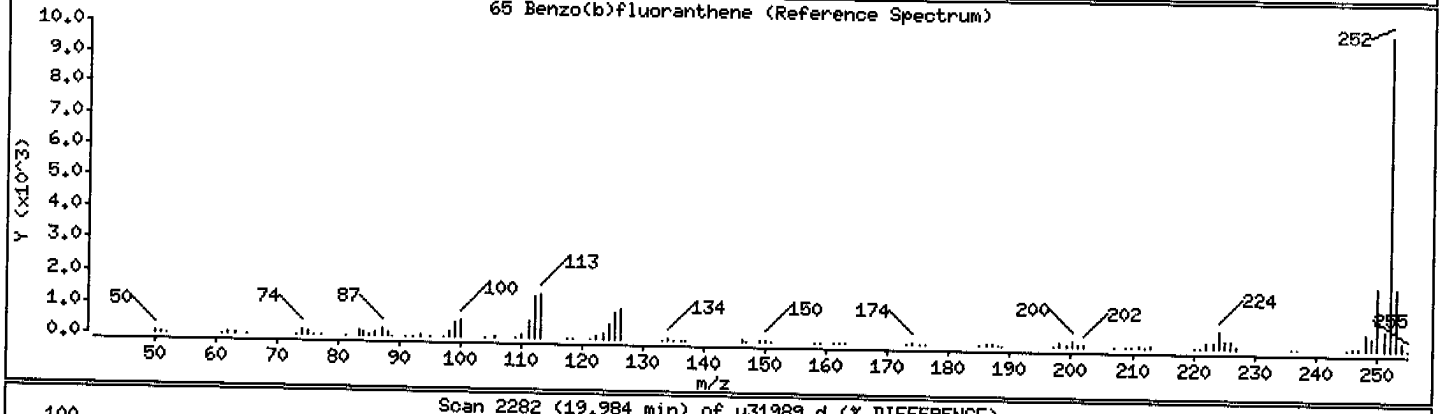
Column diameter: 0.25

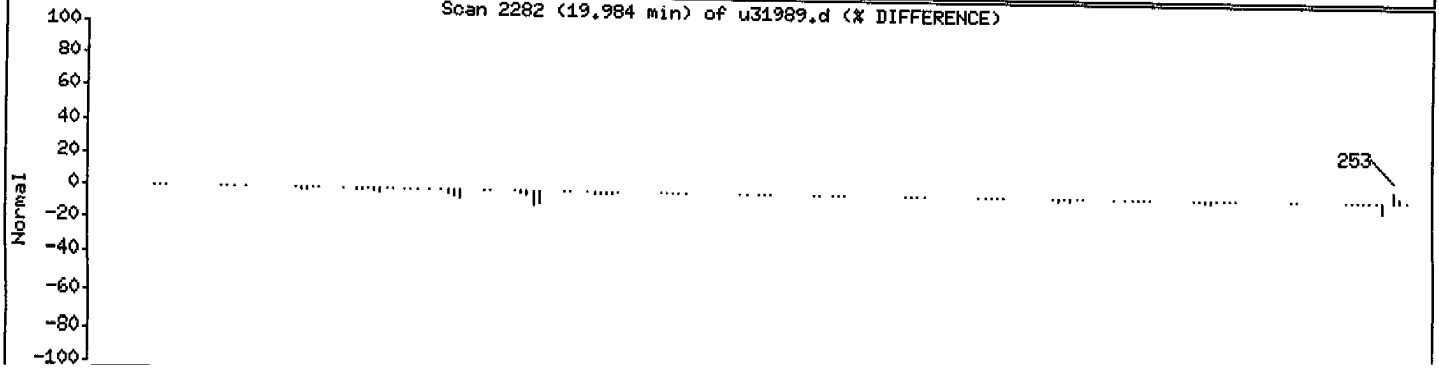
65 Benzo(b)fluoranthene

Concentration: 160 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

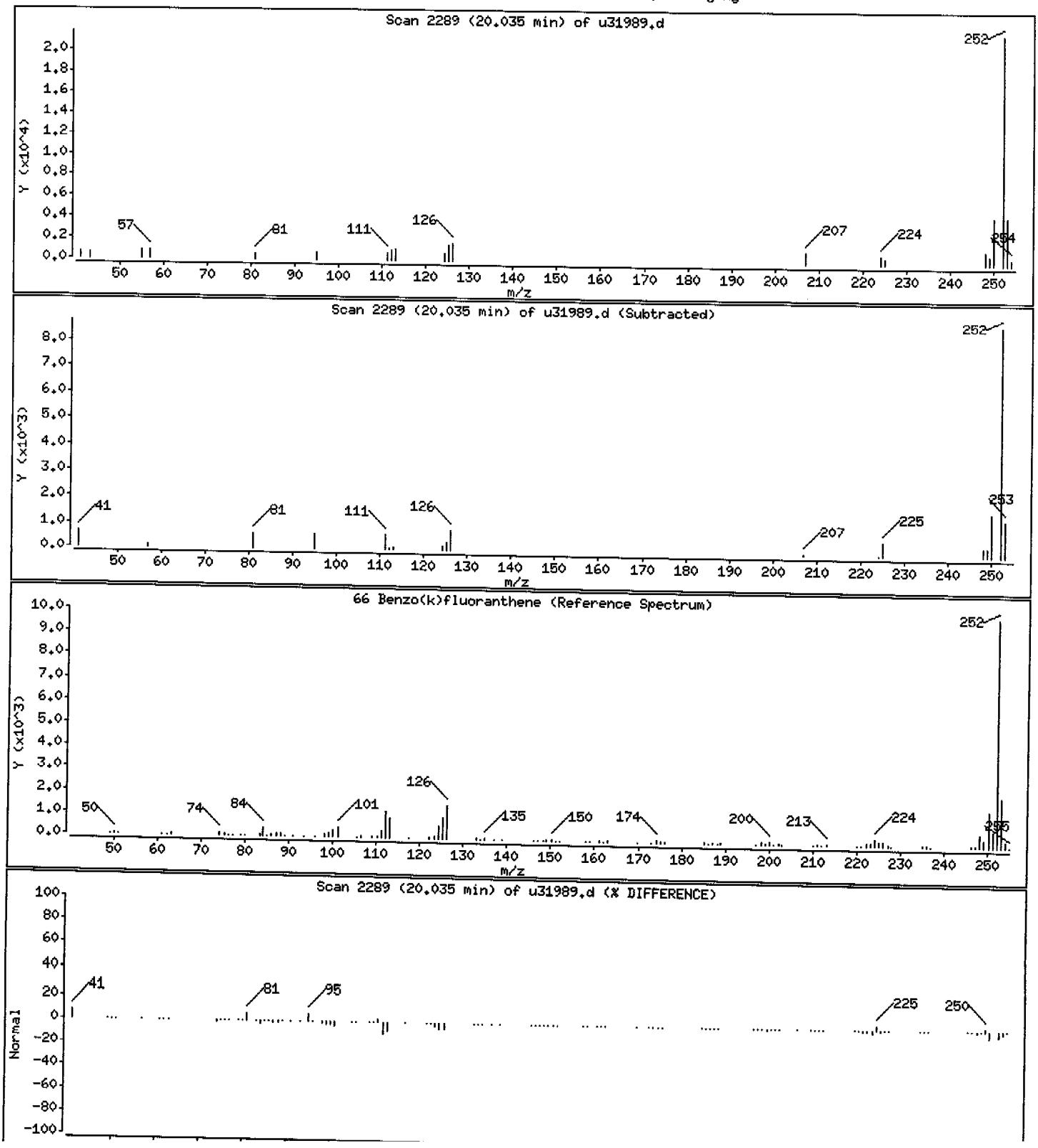
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 150 ug/Kg



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

Sample Info: 765432;3205451

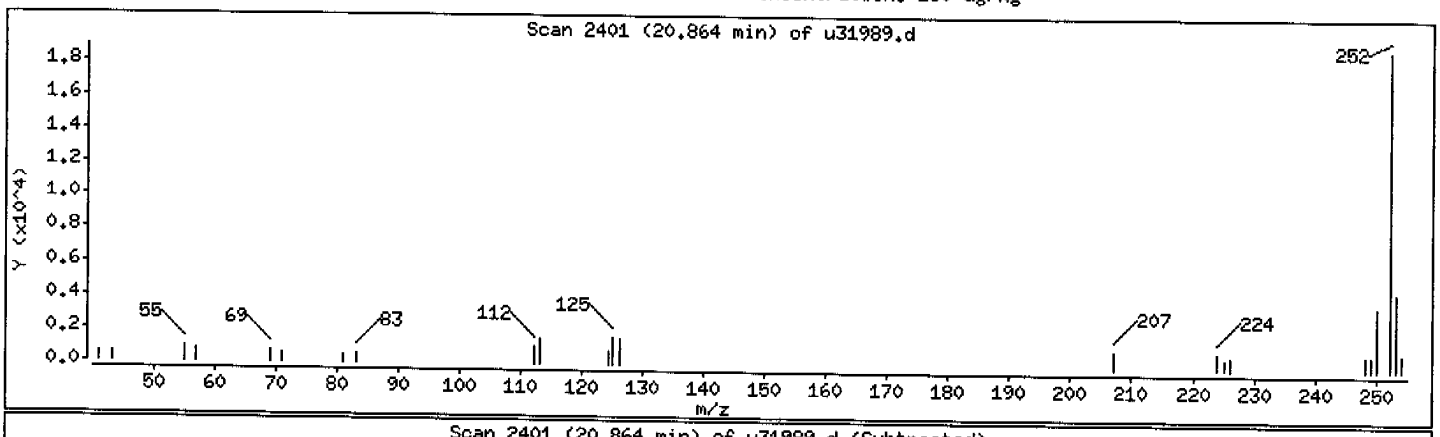
Operator: BNAMS 4

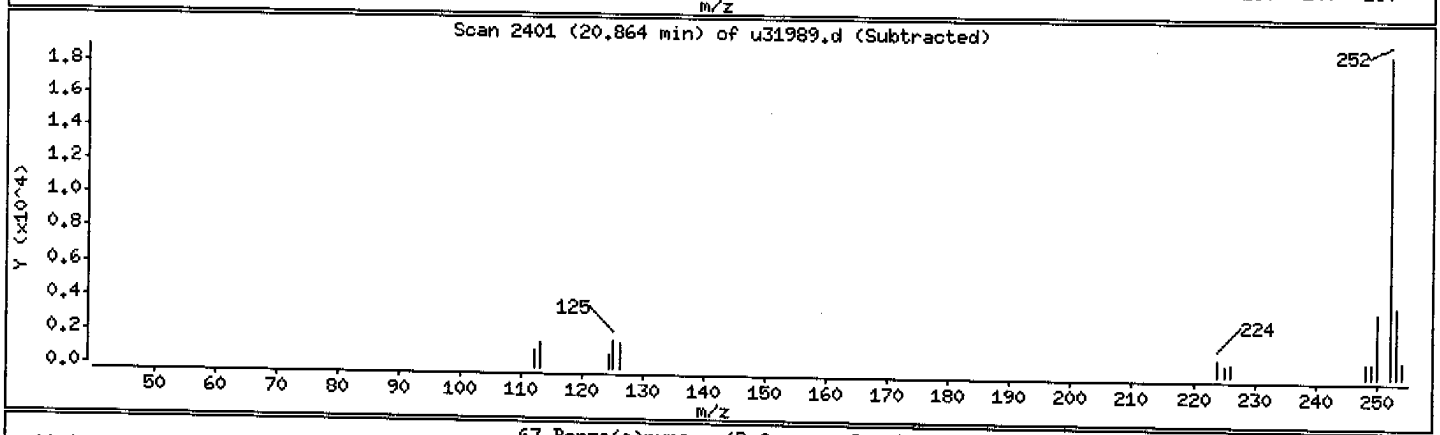
Column phase: DB-5

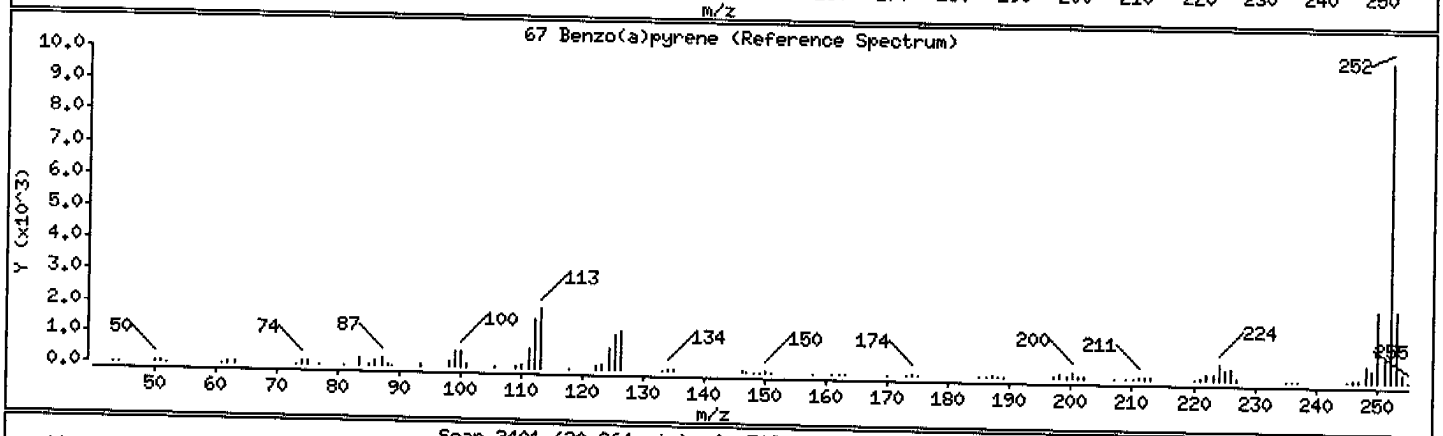
Column diameter: 0.25

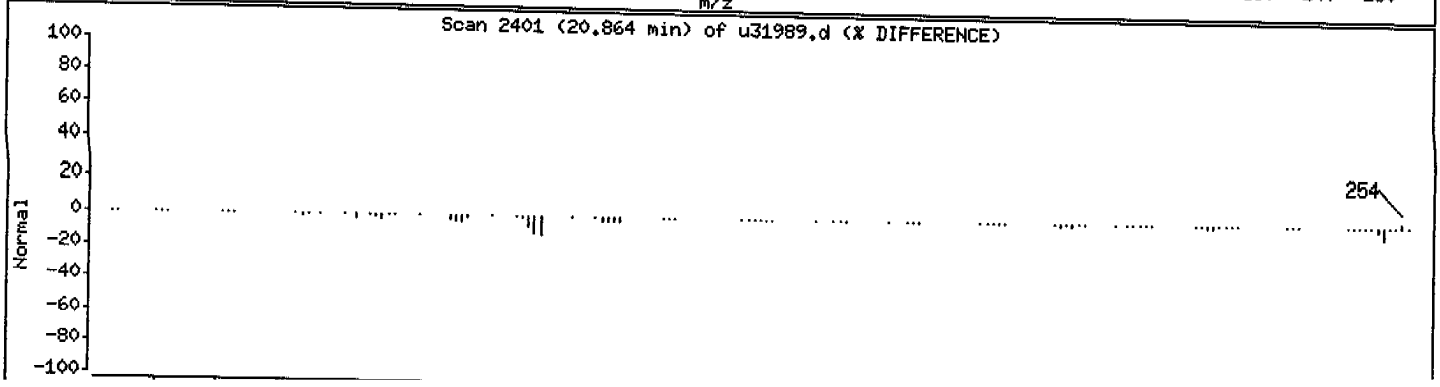
67 Benzo(a)pyrene

Concentration: 180 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

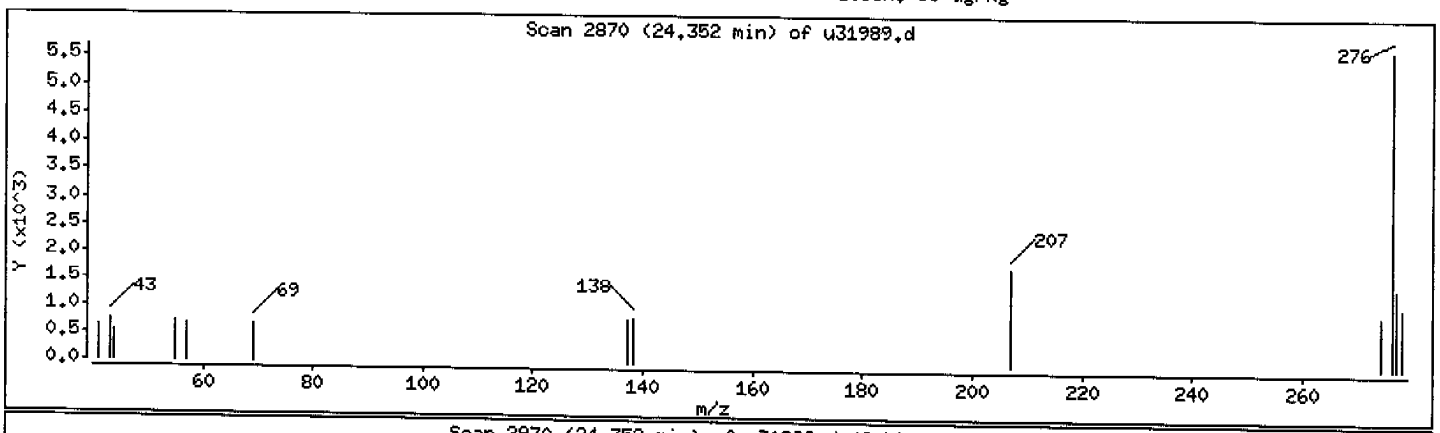
Client ID: B1401-SS01 Instrument: BNAMS4.i

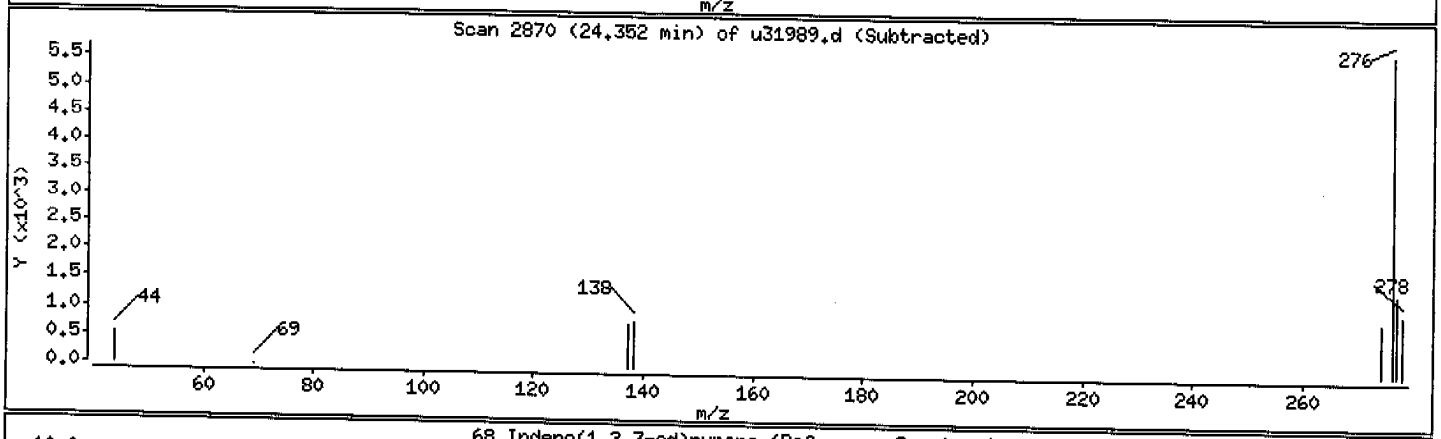
Sample Info: 765432;3205451

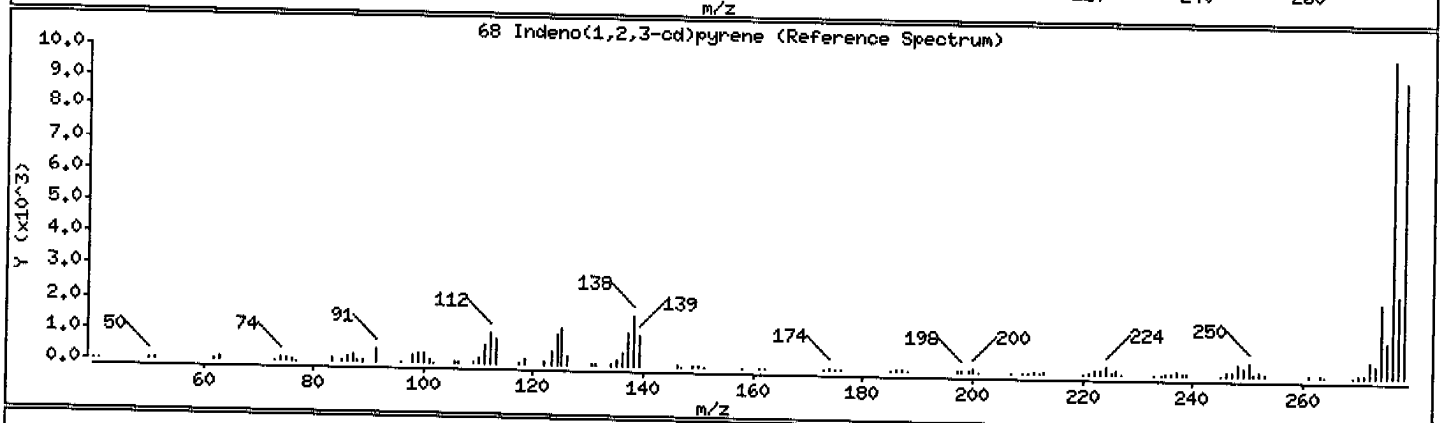
Operator: BNAMS 4

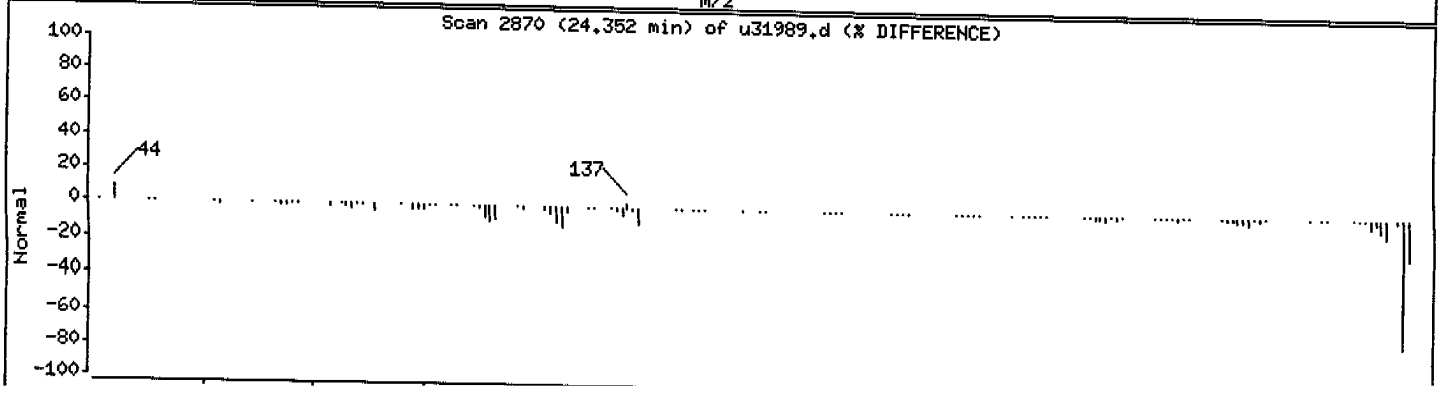
Column phase: DB-5 Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene Concentration: 63 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

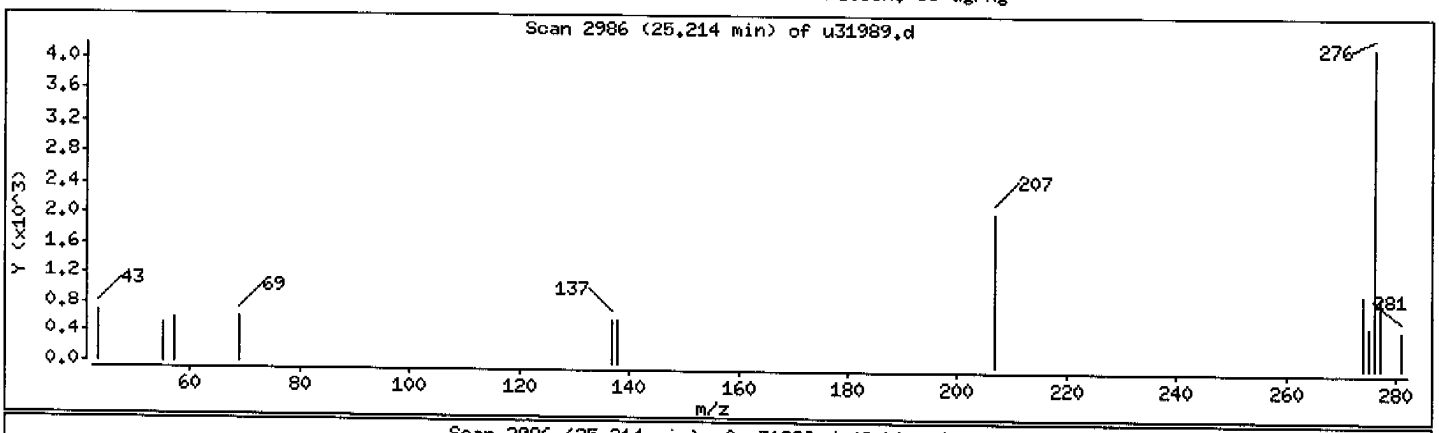
Client ID: B1401-SS01 Instrument: BNAMS4.i

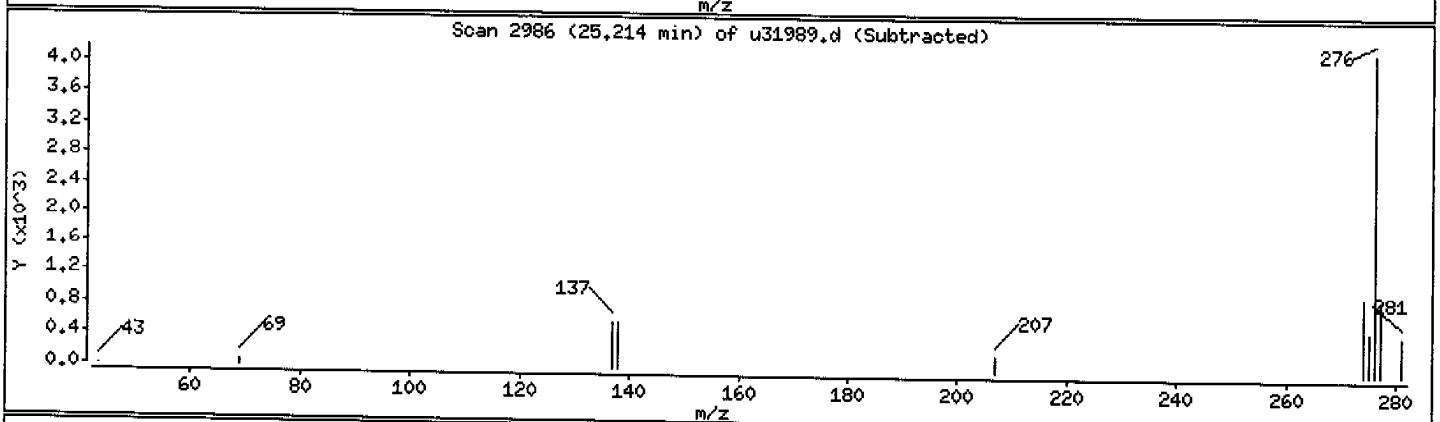
Sample Info: 765432;3205451

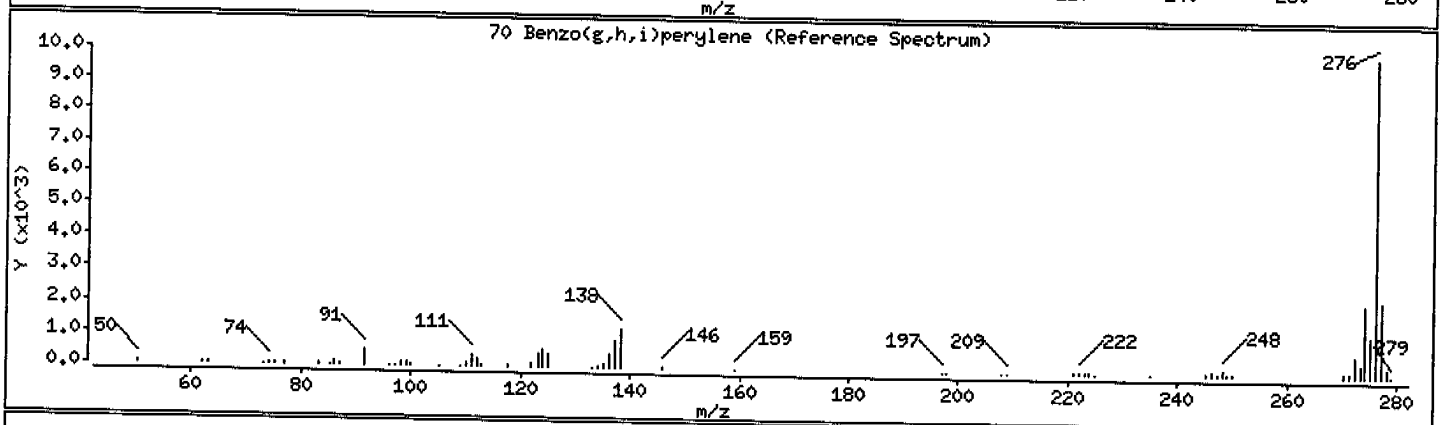
Operator: BNAMS 4

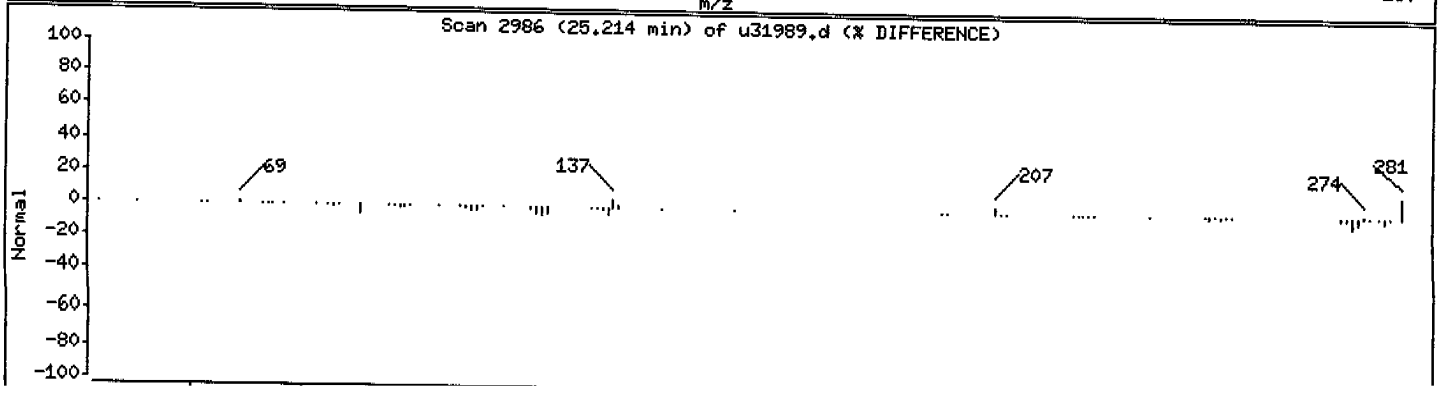
Column phase: DB-5 Column diameter: 0.25

70 Benzo(g,h,i)perylene Concentration: 58 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

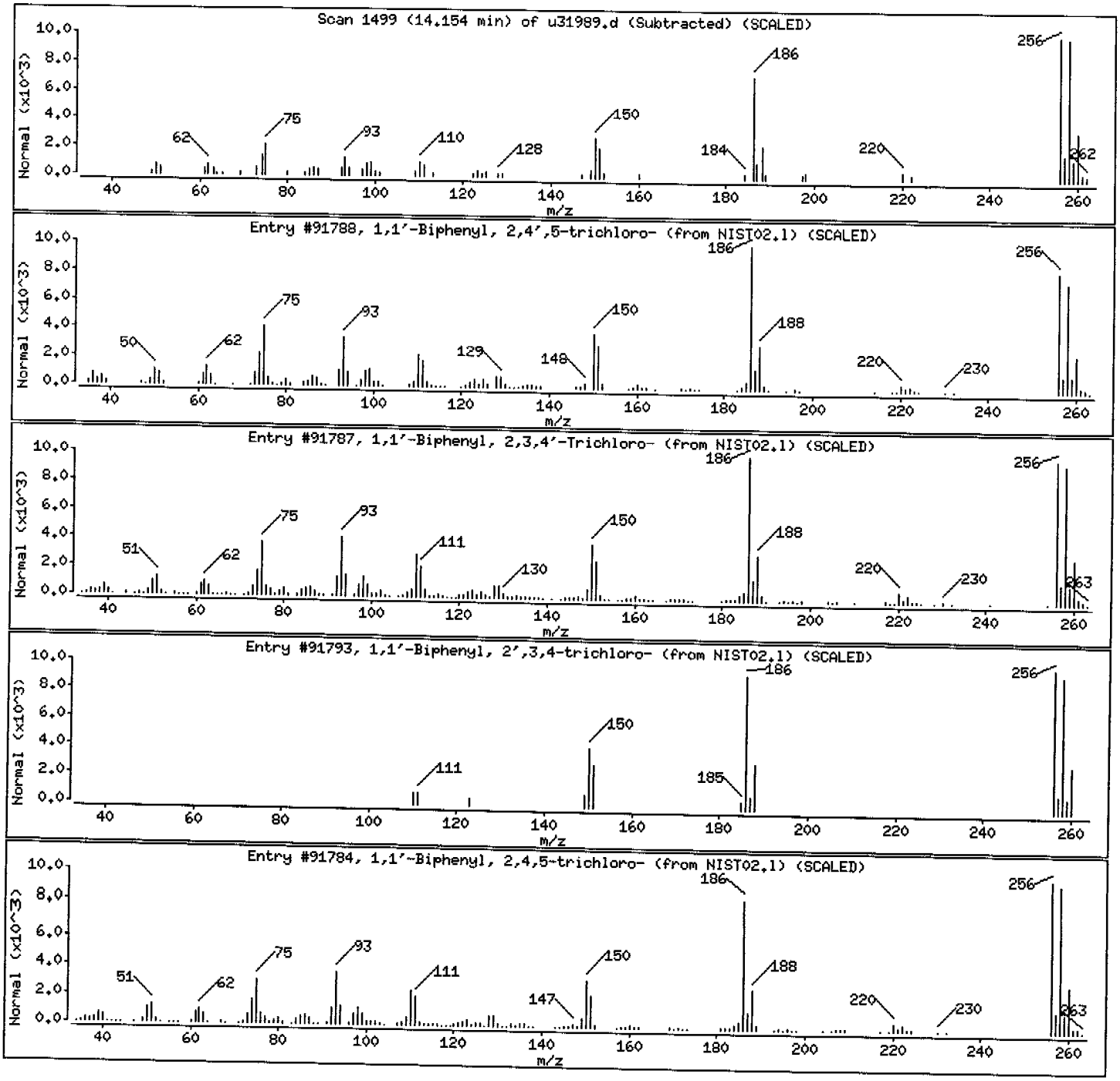
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trichlorobiphenyl isomer		NIST02.l	91788	98	C12H7Cl3	256
1,1'-Biphenyl, 2,3,4'-Trichloro-	38444-85-8	NIST02.l	91787	97	C12H7Cl3	256
1,1'-Biphenyl, 2',3,4-trichloro-	38444-86-9	NIST02.l	91793	97	C12H7Cl3	256
1,1'-Biphenyl, 2,4,5-trichloro-	15862-07-4	NIST02.l	91784	96	C12H7Cl3	256



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

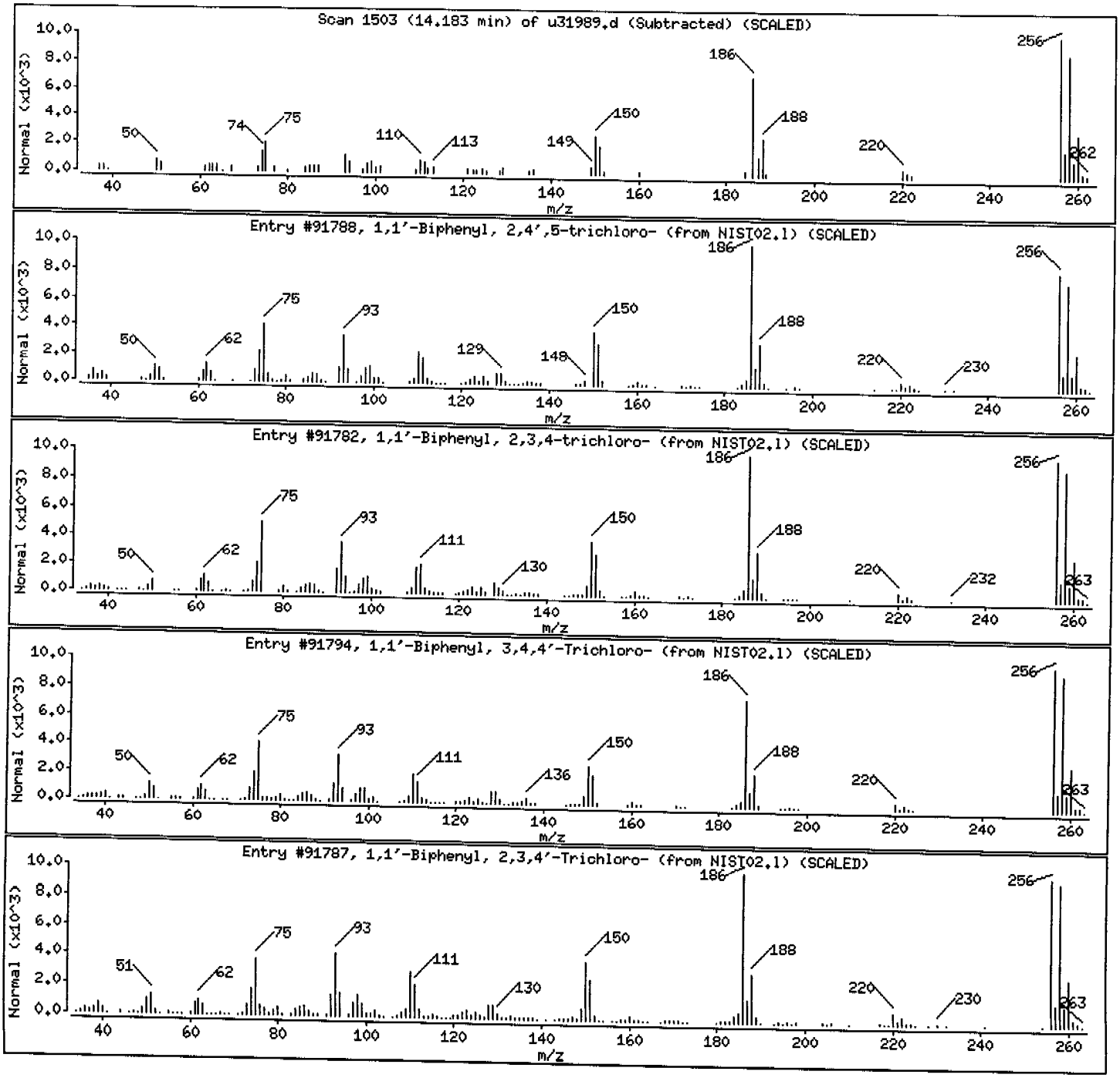
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trichlorobiphenyl isomer		NIST02.l	91788	98	C12H7C13	256
1,1'-Biphenyl, 2,3,4-trichloro-	55702-46-0	NIST02.l	91782	98	C12H7C13	256
1,1'-Biphenyl, 3,4,4'-Trichloro-	38444-90-5	NIST02.l	91794	95	C12H7C13	256
1,1'-Biphenyl, 2,3,4'-Trichloro-	38444-85-8	NIST02.l	91787	95	C12H7C13	256



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

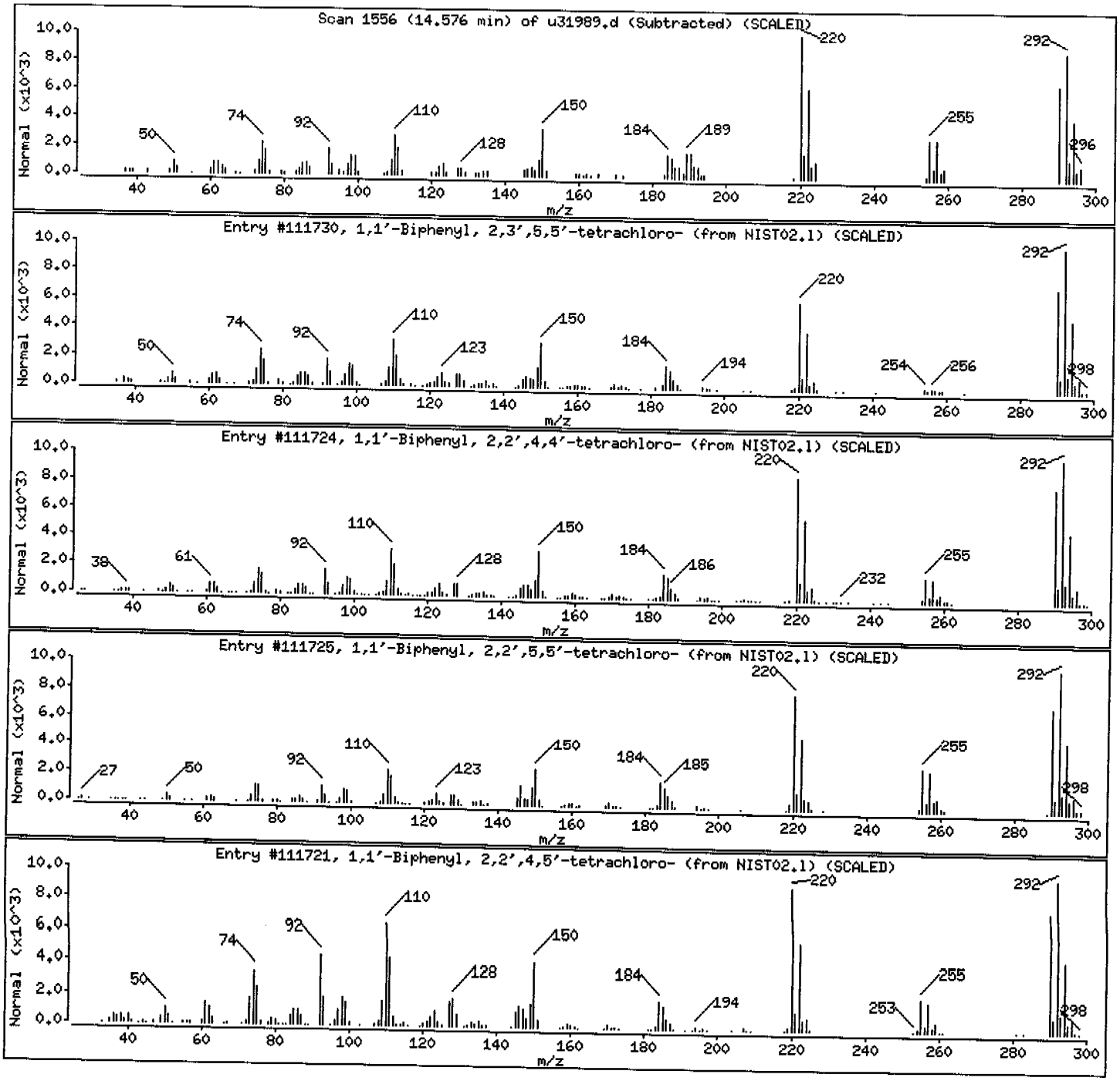
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphenyl isomer		NIST02.1	111730	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	2437-79-8	NIST02.1	111724	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	35693-99-3	NIST02.1	111725	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.1	111721	98	C12H6Cl4	290



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

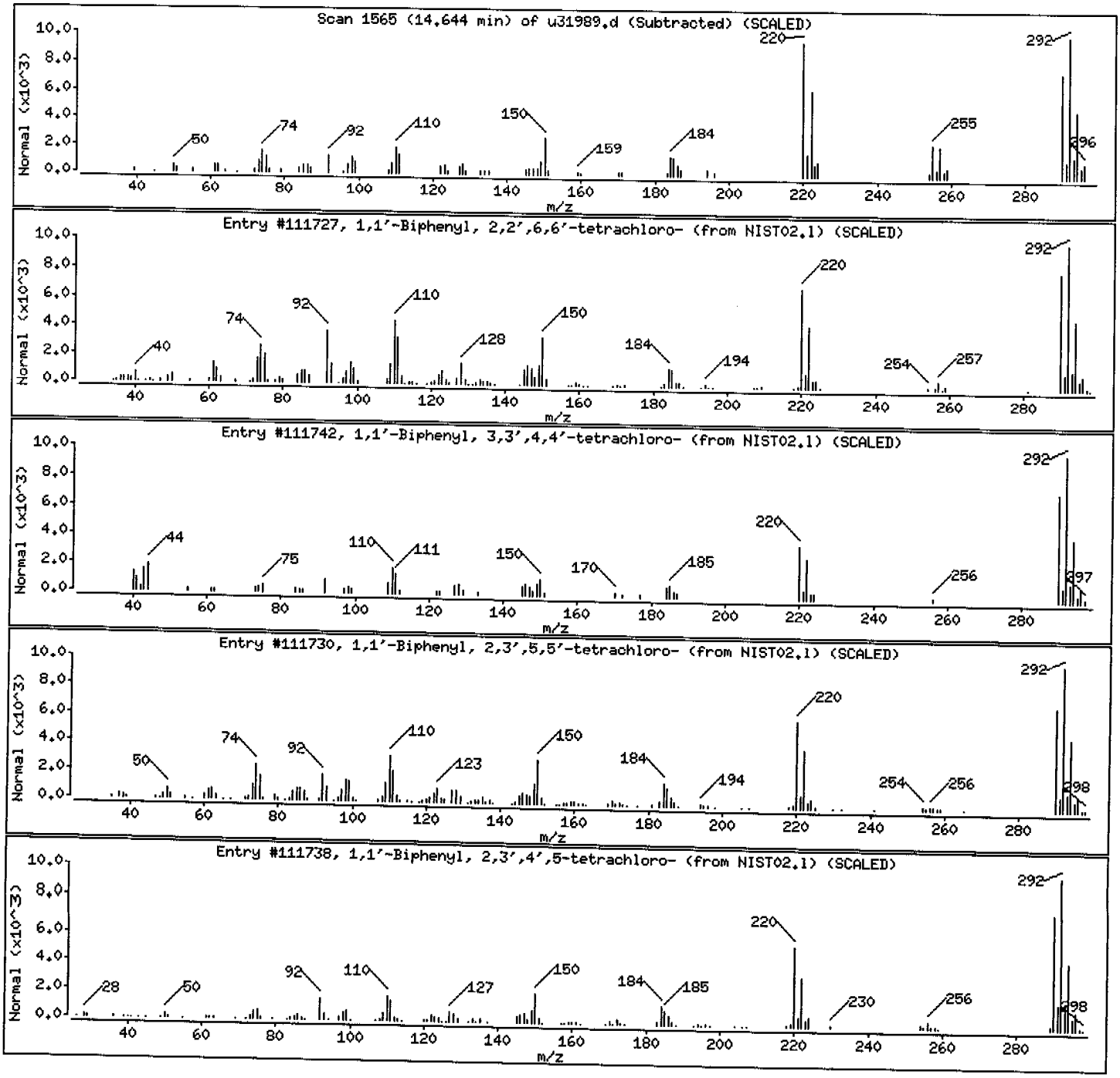
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432:3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphnyl isomer		NIST02.1	111727	99	C12H6C14	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.1	111742	98	C12H6C14	290
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.1	111730	98	C12H6C14	290
1,1'-Biphenyl, 2,3',4',5-tetrachloro-	32598-11-1	NIST02.1	111738	96	C12H6C14	290



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

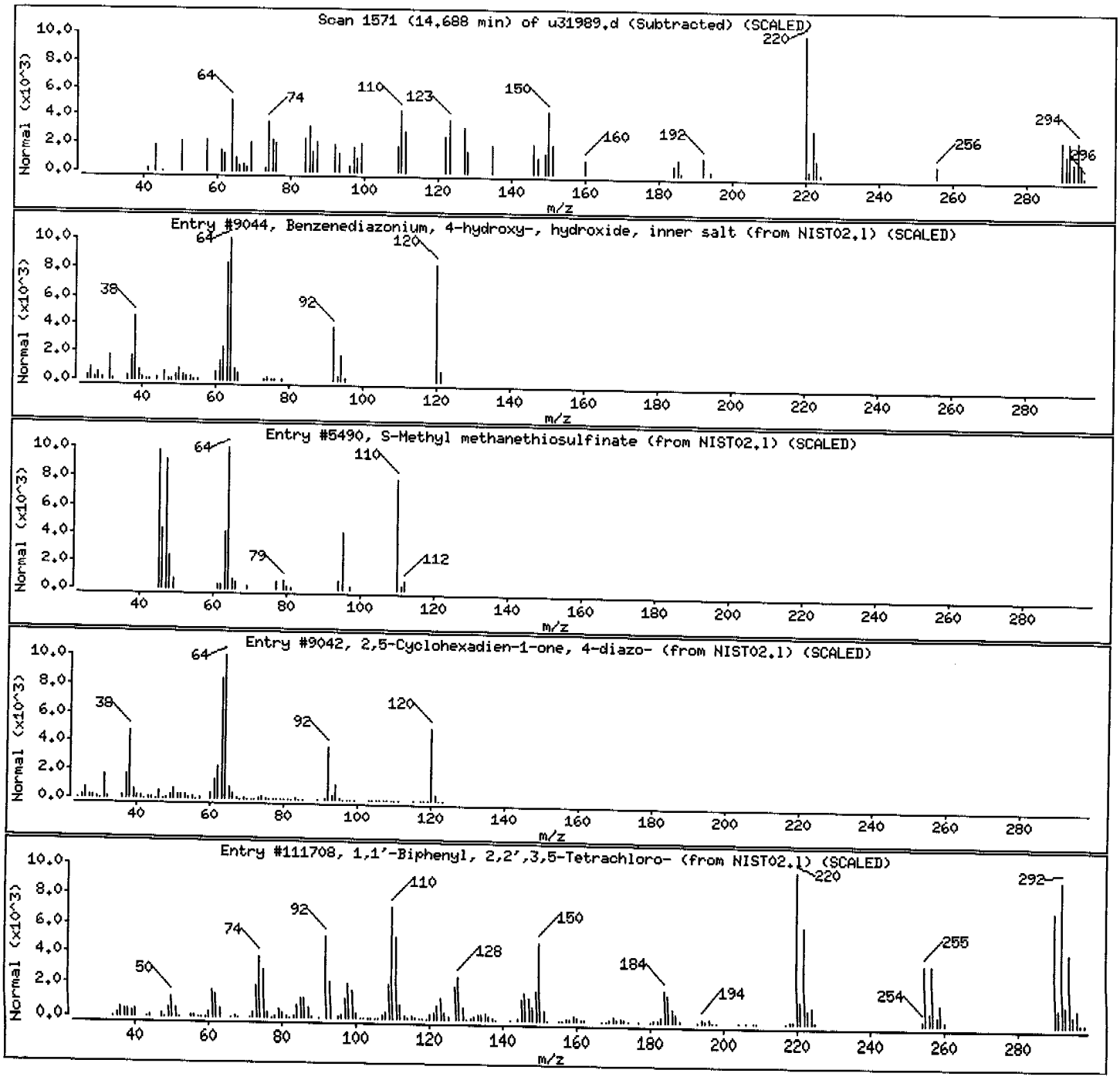
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzenediazonium, 4-hydroxy-, hydroxide,	6925-01-5	NIST02.l	9044	35	C6H4N2O	120
S-Methyl methanethiosulfinate	13882-12-7	NIST02.l	5490	35	C2H6OS2	110
2,5-Cyclohexadien-1-one, 4-diazo-	932-97-8	NIST02.l	9042	35	C6H4N2O	120
1,1'-Biphenyl, 2,2',3,5-Tetrachloro-	70362-46-8	NIST02.l	111708	25	C12H6Cl4	290



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

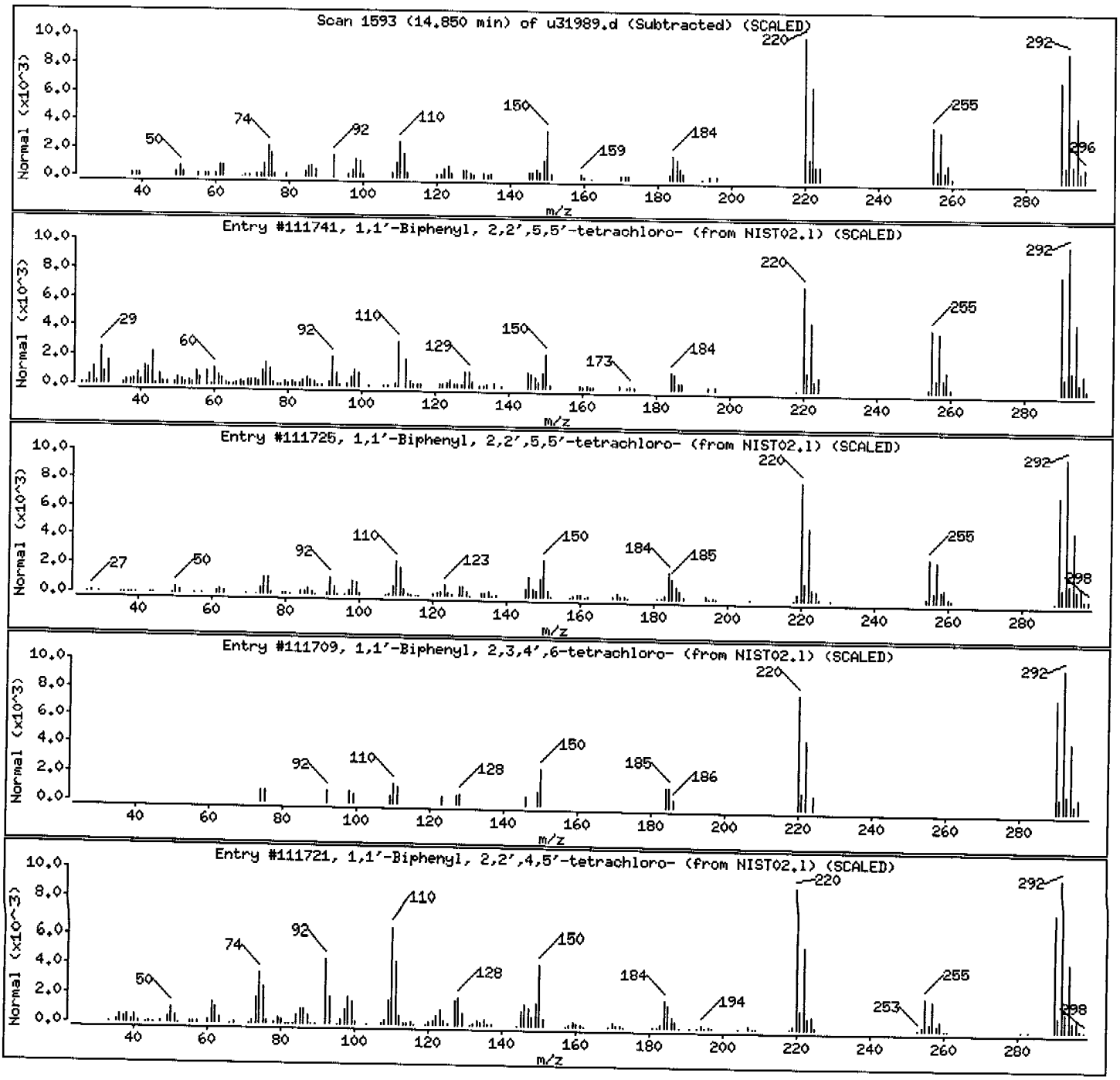
Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphenyl isomer						
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	35693-99-3	NIST02.l	111741	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	35693-99-3	NIST02.l	111725	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	98	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	98	C12H6Cl4	290



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

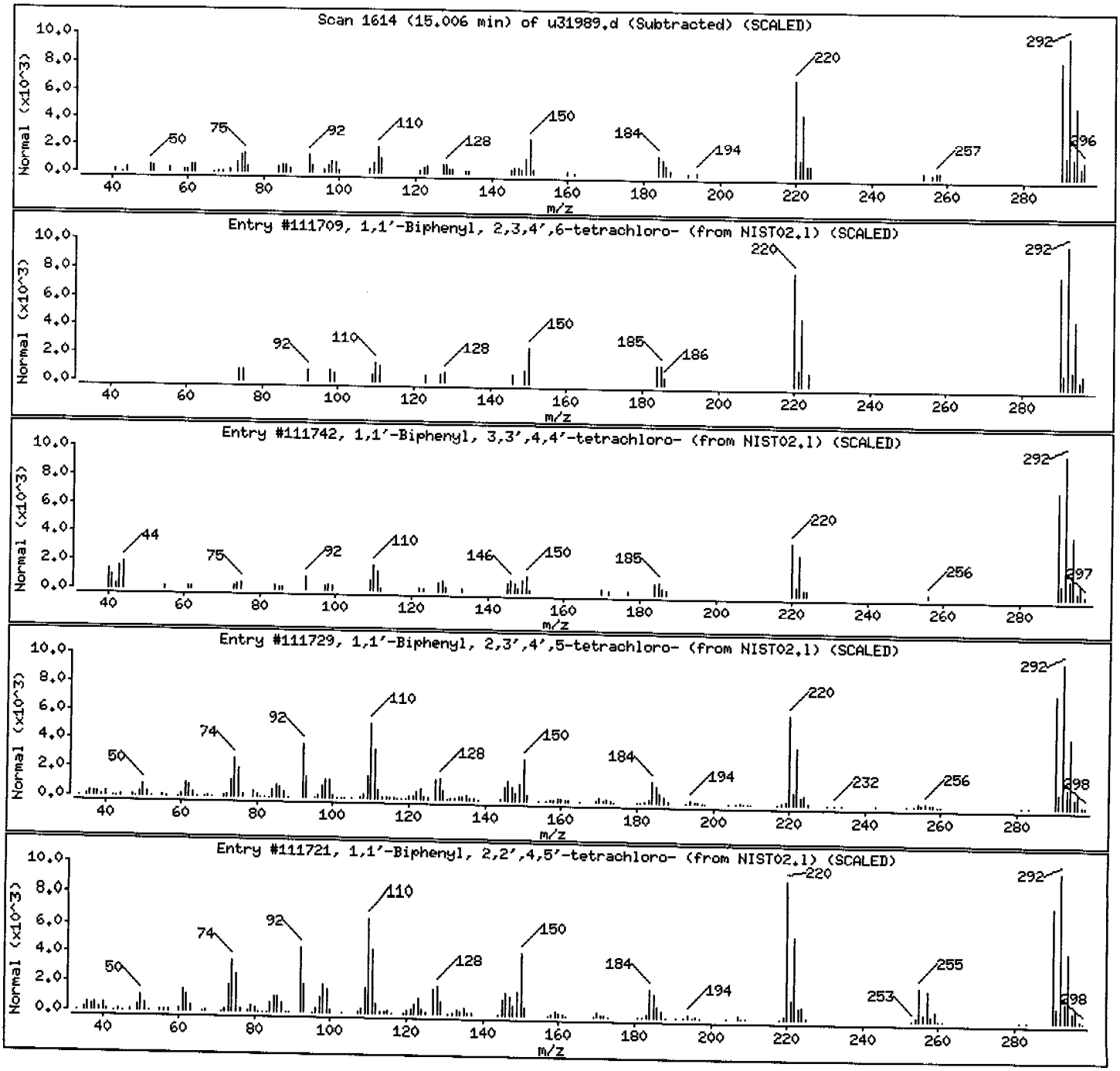
Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphenyl isomer						
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	99	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	97	C12H6Cl4	290
1,1'-Biphenyl, 2,3',4',5-tetrachloro-	32598-11-1	NIST02.l	111729	96	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	96	C12H6Cl4	290



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

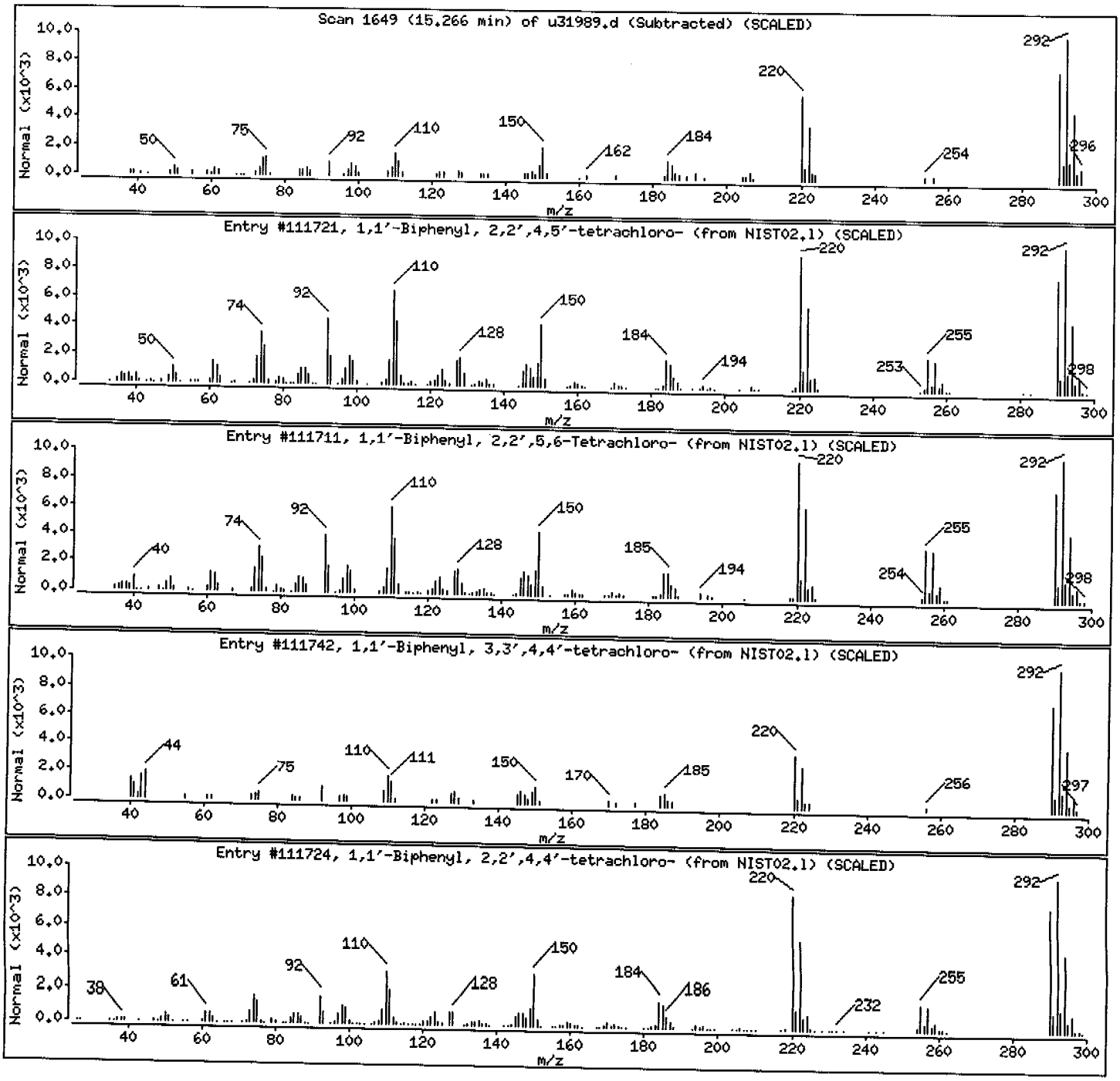
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphenyl isomer						
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	41464-41-9	NIST02.l	111711	98	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	98	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	2437-79-8	NIST02.l	111724	98	C12H6Cl4	290



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Date : 15-SEP-2006 06:04

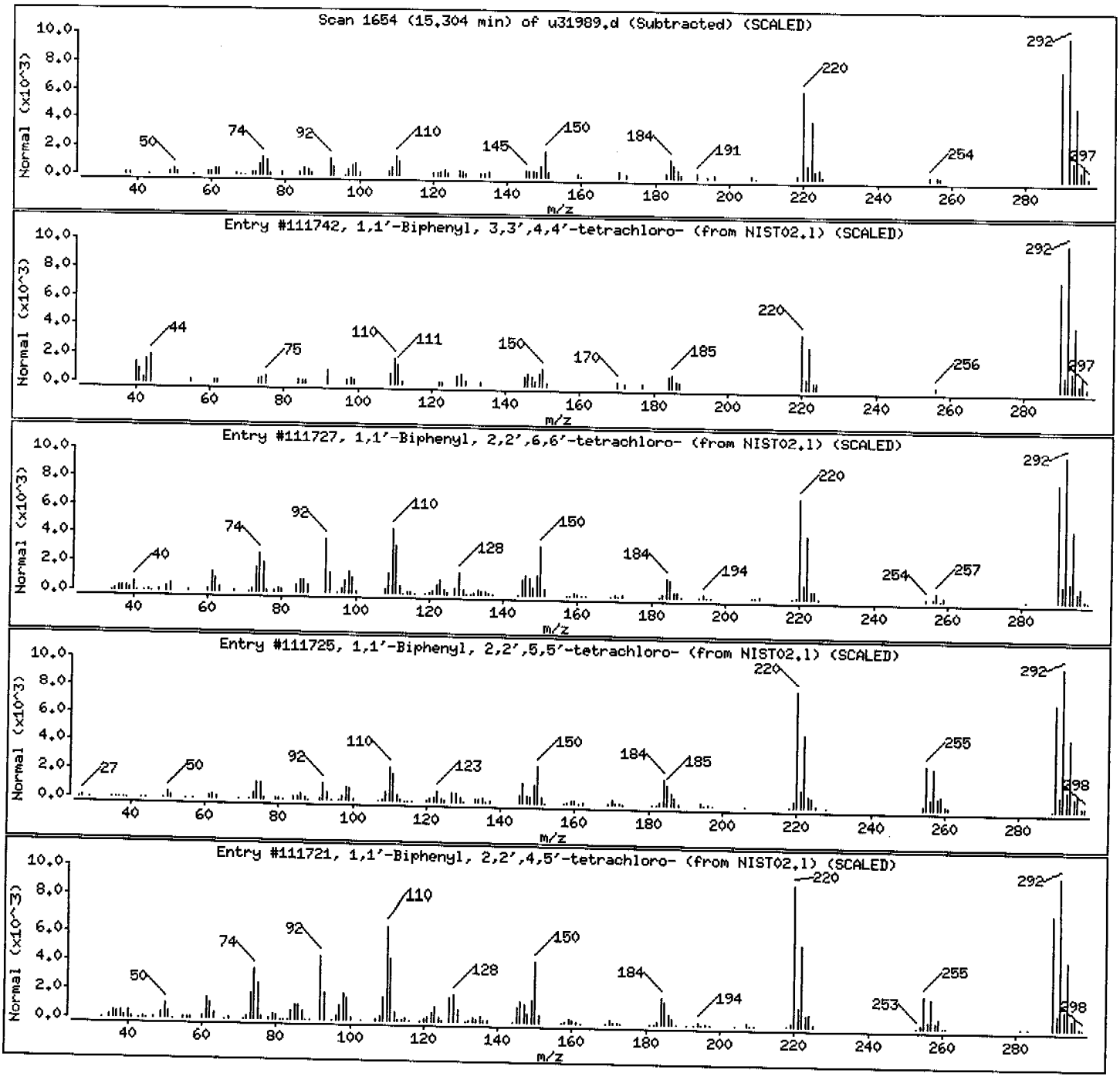
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphenyl isomer						
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	15968-05-5	NIST02.l	111727	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	35693-99-3	NIST02.l	111725	98	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	98	C12H6Cl4	290



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31989.d

Date : 15-SEP-2006 06:04

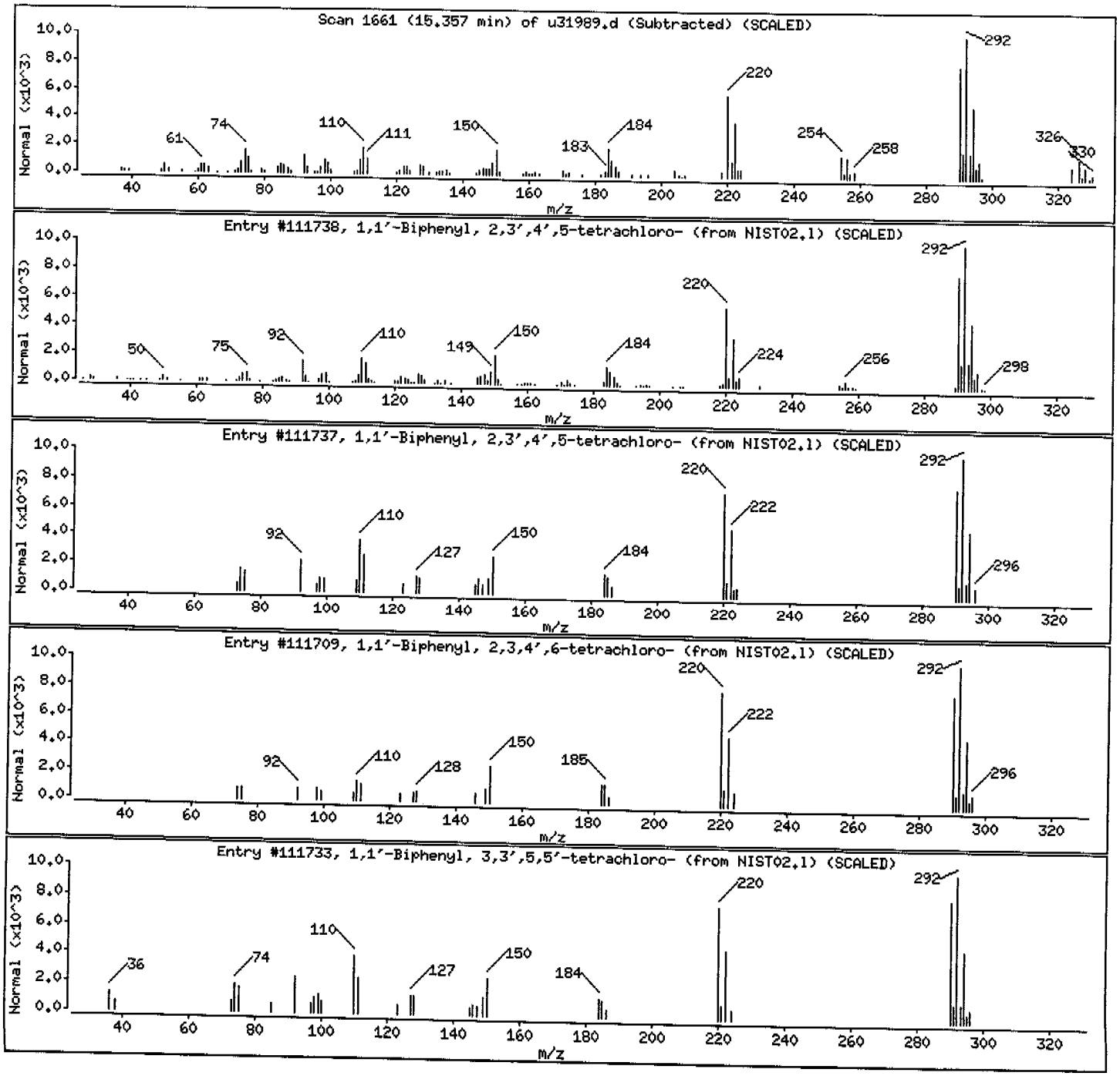
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphenyl isomer						
1,1'-Biphenyl, 2,3',4',5-tetrachloro-	32598-11-1	NIST02.l	111738	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3',4',5-tetrachloro-	32598-11-1	NIST02.l	111737	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	99	C12H6Cl4	290
1,1'-Biphenyl, 3,3',5,5'-tetrachloro-	33284-52-5	NIST02.l	111733	99	C12H6Cl4	290



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Date : 15-SEP-2006 06:04

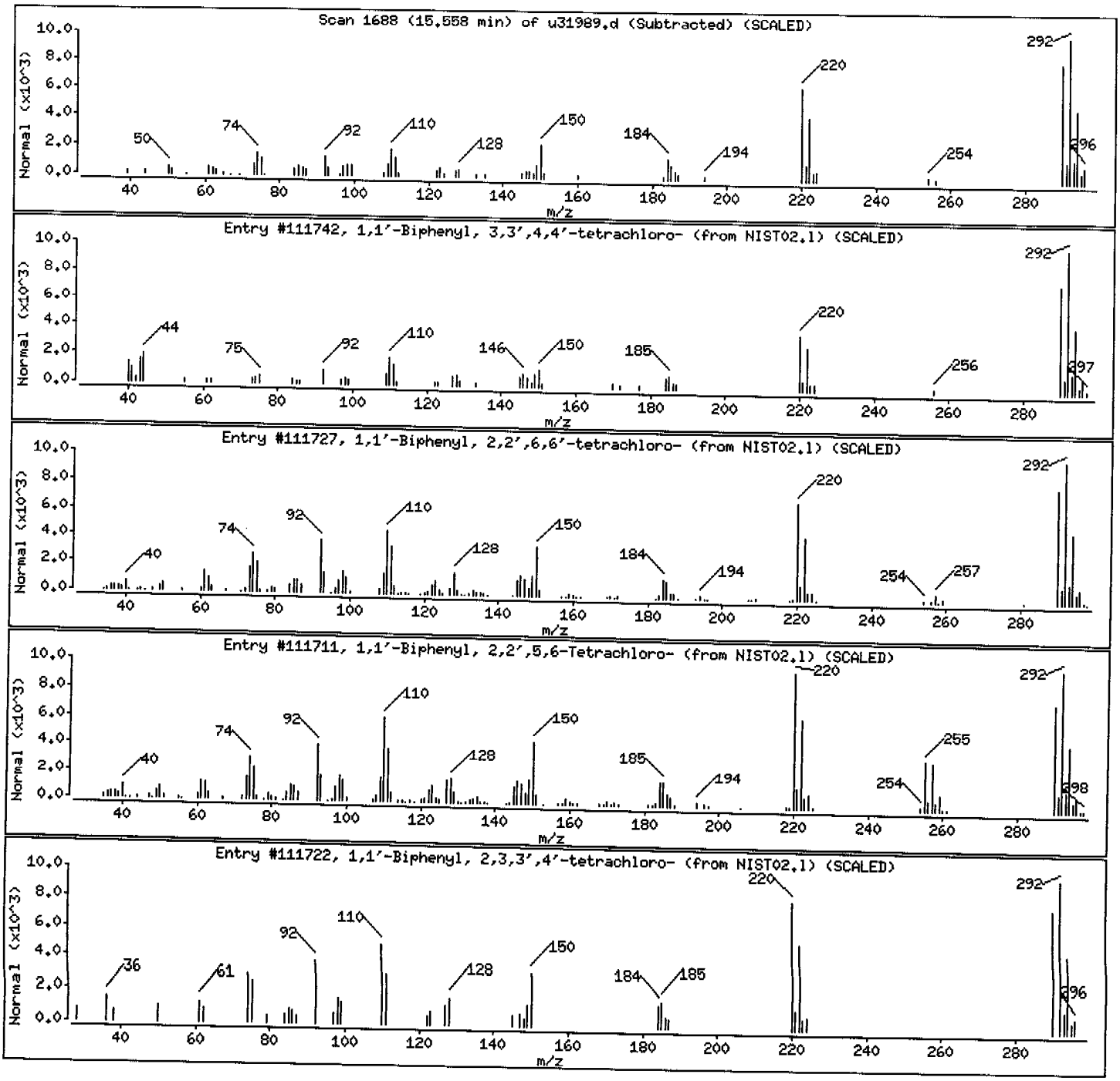
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachlorobiphenyl isomer						
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	15968-05-5	NIST02.l	111727	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	41464-41-9	NIST02.l	111711	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3,3',4'-tetrachloro-	41464-43-1	NIST02.l	111722	98	C12H6Cl4	290



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Date : 15-SEP-2006 06:04

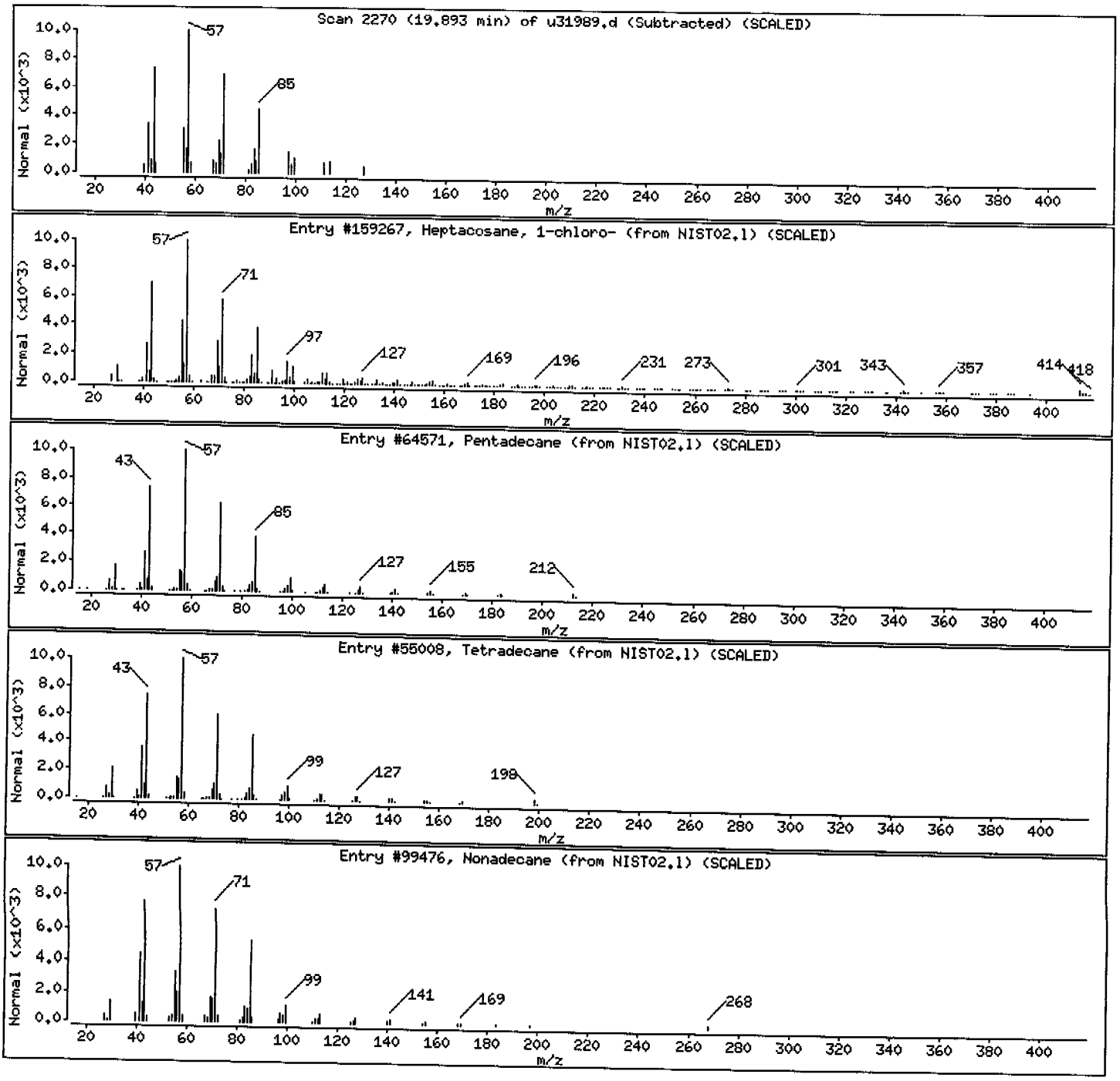
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptacosane, 1-chloro-	62016-79-9	NIST02.l	159267	90	C27H55Cl	414
Pentadecane	629-62-9	NIST02.l	64571	86	C15H32	212
Tetradecane	629-59-4	NIST02.l	55008	86	C14H30	198
Nonadecane	629-92-5	NIST02.l	99476	86	C19H40	268



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Date : 15-SEP-2006 06:04

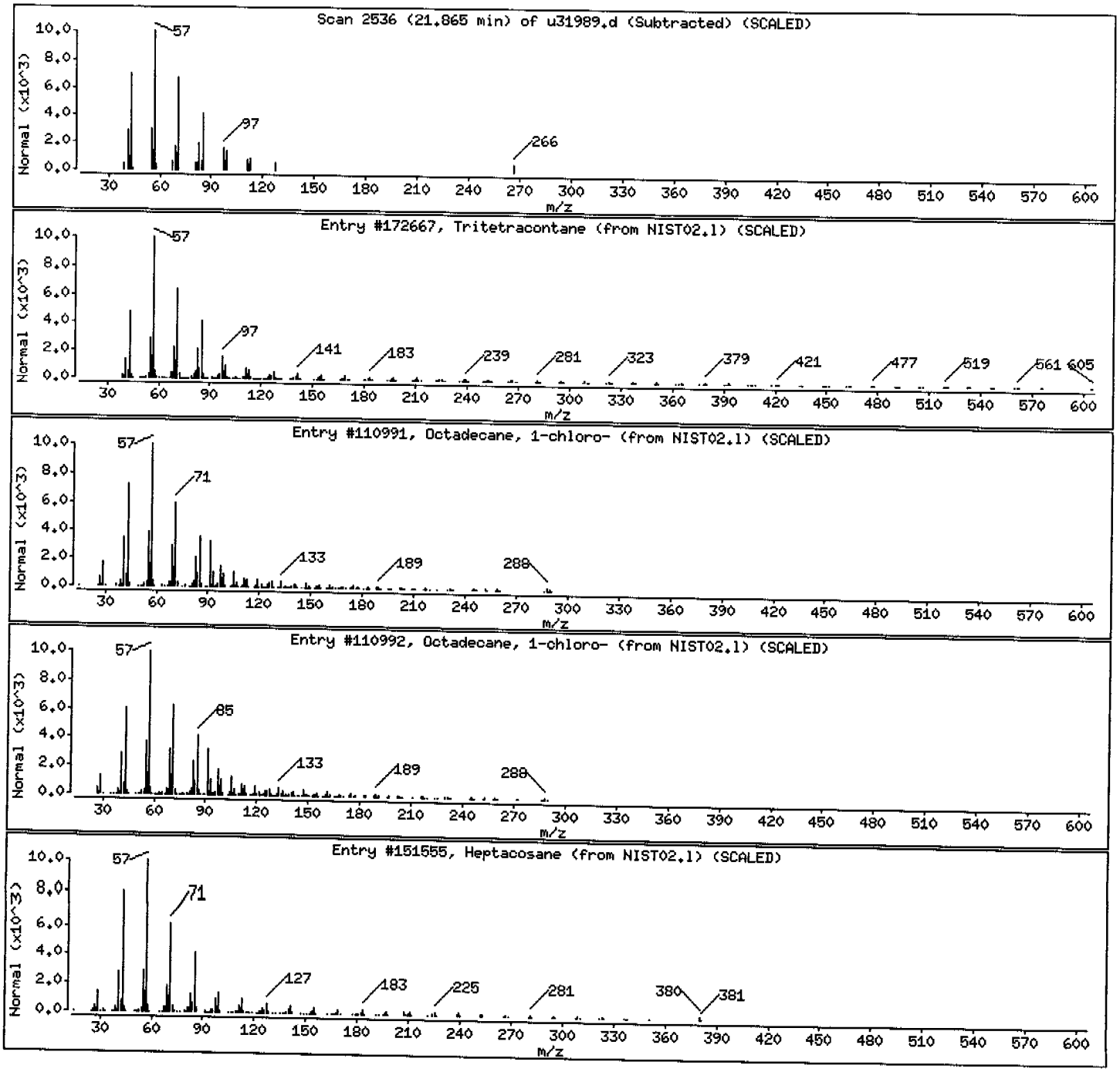
Client ID: B1401-SS01 Instrument: BNAMS4.i

Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tritetracontane	7098-21-7	NIST02.l	172667	91	C43H88	605
Octadecane, 1-chloro-	3386-33-2	NIST02.l	110991	90	C18H37Cl	288
Octadecane, 1-chloro-	3386-33-2	NIST02.l	110992	90	C18H37Cl	288
Heptacosane	593-49-7	NIST02.l	151555	87	C27H56	380



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Date : 15-SEP-2006 06:04

Client ID: B1401-SS01

Instrument: BNAMS4.i

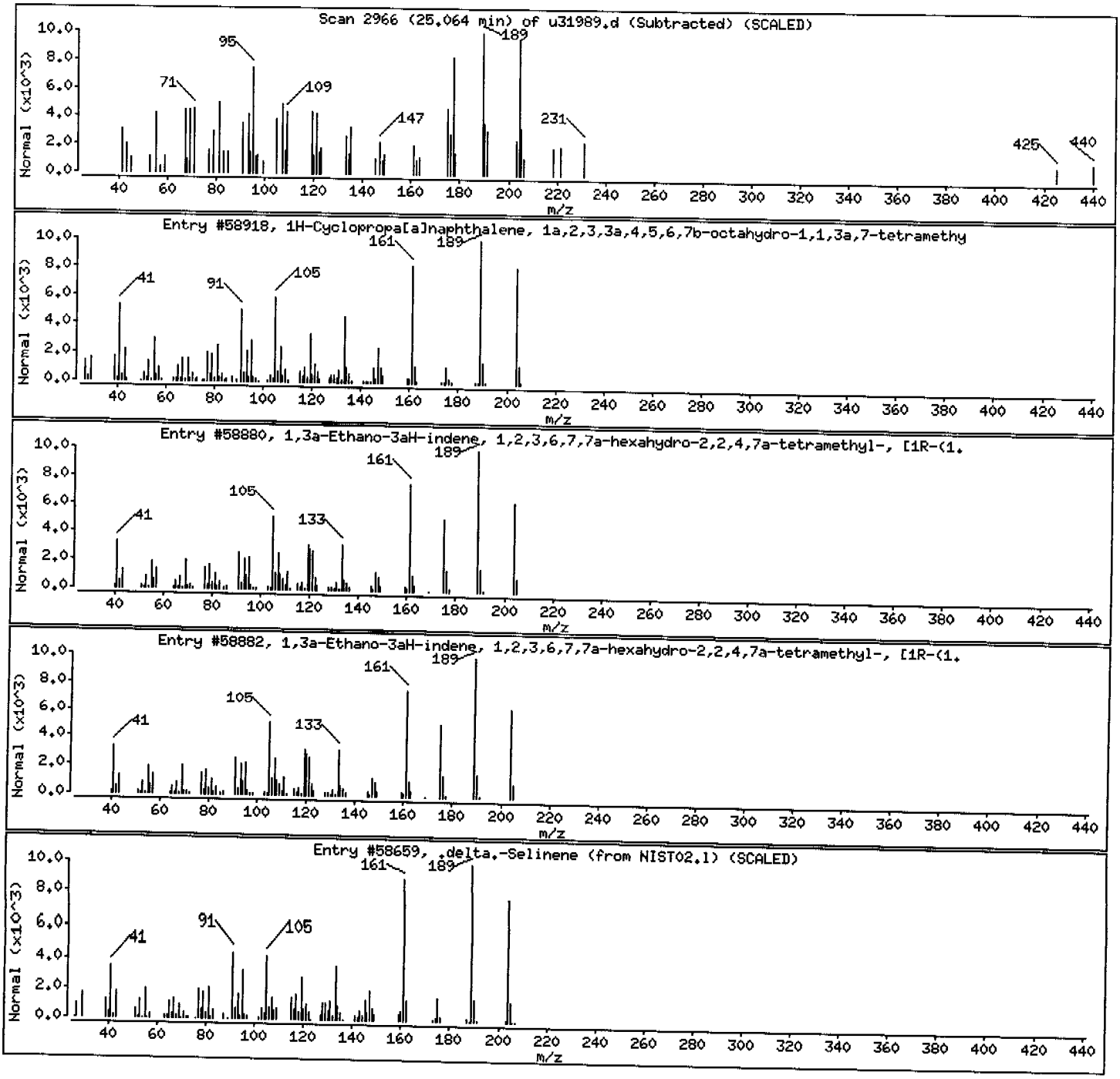
Sample Info: 765432;3205451

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Cyclopropa[a]naphthalene, 1a,2,3,3a,4	489-29-2	NIST02.l	58918	64	C15H24	204
1,3a-Ethano-3aH-indene, 1,2,3,6,7,7a-hex	4545-68-0	NIST02.l	58880	58	C15H24	204
1,3a-Ethano-3aH-indene, 1,2,3,6,7,7a-hex	4545-68-0	NIST02.l	58882	58	C15H24	204
.delta.-Selinene	28624-23-9	NIST02.l	58659	49	C15H24	204



Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample No: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31991.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	ND	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	82 J	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	ND	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	32 J	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	550	400
Anthracene	150 J	400

Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample No: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31991.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	41 J	400
Di-n-butylphthalate	ND	400
Fluoranthene	860	400
Pyrene	810	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	570	40
Chrysene	520	400
bis(2-Ethylhexyl)phthalate	87 J	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	390	40
Benzo(k)fluoranthene	460	40
Benzo(a)pyrene	540	40
Indeno(1,2,3-cd)pyrene	170	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	150 J	400

Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample No: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31991.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C19H14 PAH	18.43	360	
2.	Unknown	19.47	1200	
3.	Unknown Alkane	19.90	400	
4.	C20H12 PAH	20.73	390	
5.	Unknown	21.36	480	
6.	Unknown Alkane	21.86	490	
7.	Unknown	23.71	440	
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 3760

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d
Report Date: 18-Sep-2006 14:12

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d
Lab Smp Id: 765433 Client Smp ID: B1401-SS02
Inj Date : 15-SEP-2006 07:18
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 765433;3205468
Misc Info : W345;SB241;QA4554
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/8270C6-1.m
Meth Date : 15-Sep-2006 06:11 vanamans Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBNb.sub
Target Version: 3.50
Processing Host: hpd1

9/18/06

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	17.00000	% Moisture

Cpnd Variable Local Compound Variable

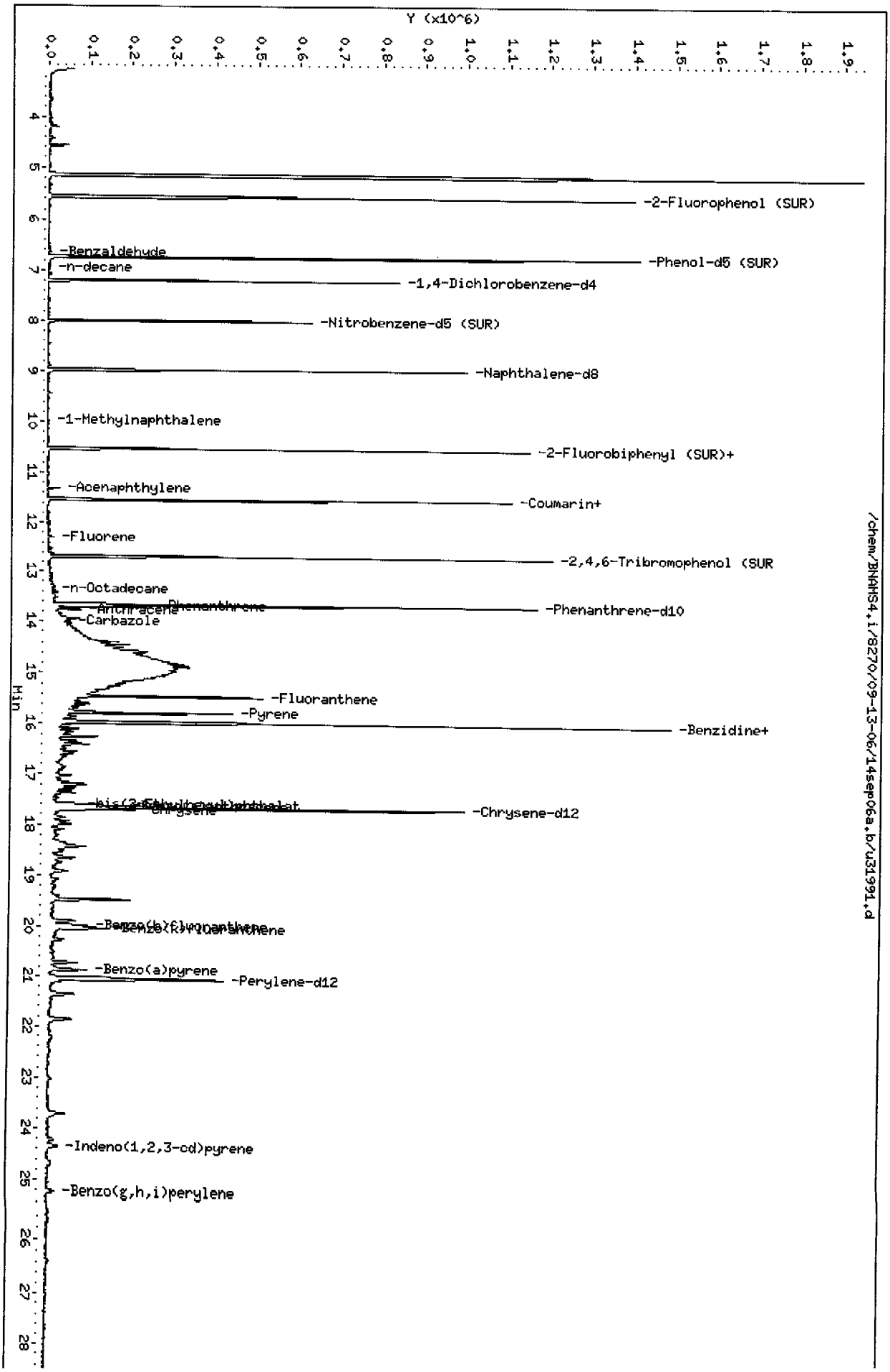
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	7.198	7.194	(1.000)	138491	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.993	8.001	(0.890)	258706	32.7268	2600
* 80 Naphthalene-d8	136	8.980	8.980	(1.000)	587079	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.522	10.525	(0.913)	422754	35.7229	2900
39 Acenaphthylene	152	11.307	11.315	(0.981)	16035	1.01494	82(a)
* 82 Acenaphthene-d10	164	11.527	11.532	(1.000)	364348	40.0000	
47 Fluorene	166	12.300	12.307	(1.067)	4853	0.40432	32(a)
* 83 Phenanthrene-d10	188	13.665	13.668	(1.000)	606275	40.0000	
52 Phenanthrene	178	13.694	13.706	(1.002)	113110	6.80089	550
53 Anthracene	178	13.761	13.766	(1.007)	30744	1.90839	150(a)
54 Carbazole	167	13.991	13.997	(1.024)	8128	0.51410	41(a)
56 Fluoranthene	202	15.454	15.440	(1.131)	239715	10.6999	860
57 Pyrene	202	15.776	15.776	(0.893)	225011	10.0781	810

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d
Report Date: 18-Sep-2006 14:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	78 Terphenyl-d14 (SUR)	244	15.962	15.954	(0.904)	683785	42.9995	3400
	63 bis(2-Ethylhexyl)phthalate	149	17.589	17.593	(0.996)	16838	1.08317	87(a)
	61 Benzo(a)anthracene	228	17.618	17.629	(0.997)	136209	7.12253	570
*	81 Chrysene-d12	240	17.663	17.666	(1.000)	723383	40.0000	
	62 Chrysene	228	17.701	17.719	(1.002)	122239	6.48521	520
	65 Benzo(b)fluoranthene	252	19.988	20.017	(0.949)	91140	4.85143	390(H)
	66 Benzo(k)fluoranthene	252	20.040	20.077	(0.952)	113470	5.68752	460
	67 Benzo(a)pyrene	252	20.870	20.903	(0.991)	104682	6.72285	540
*	84 Perylene-d12	264	21.056	21.060	(1.000)	468630	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	24.349	24.406	(1.156)	37593	2.17170	170
	70 Benzo(g,h,i)perylene	276	25.222	25.294	(1.198)	29876	1.92503	150(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d
Date : 15-SEP-2006 07:18
Client ID: B1401-SSO2
Sample Info: 765433;3205468
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Benzaldehyde
-Phenol-d5 (SUR)
-n-decane
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-1-Methylnaphthalene
-2-Fluorobiphenyl (SUR)+
-Acenaphthylene
-Coumarin+
-Fluorene
-2,4,6-Tribromophenol (SUR
-n-Octadecane
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Benzidine+
-Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

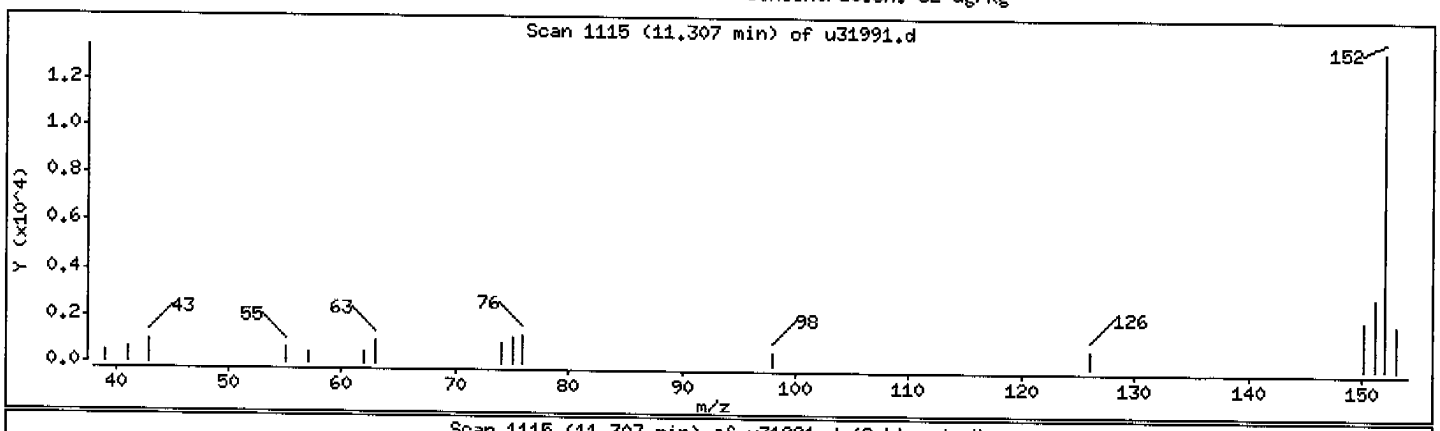
Operator: BNAMS 4

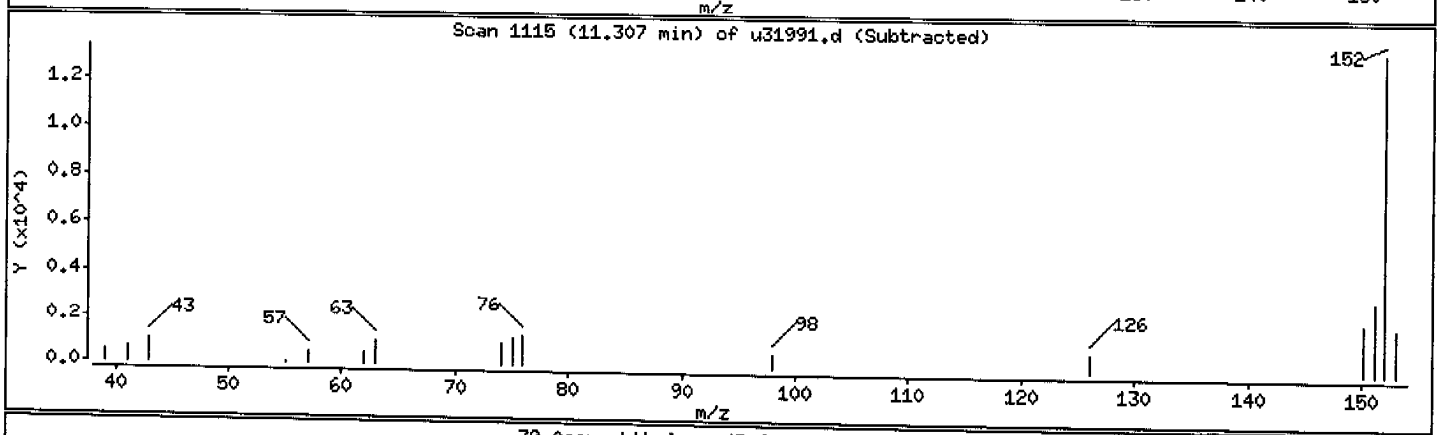
Column phase: DB-5

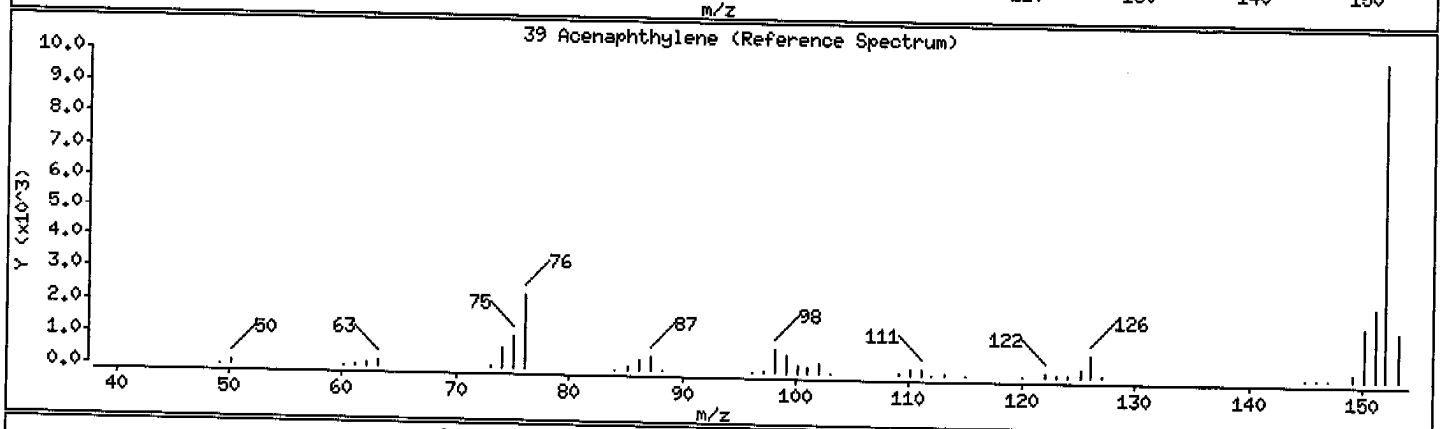
Column diameter: 0.25

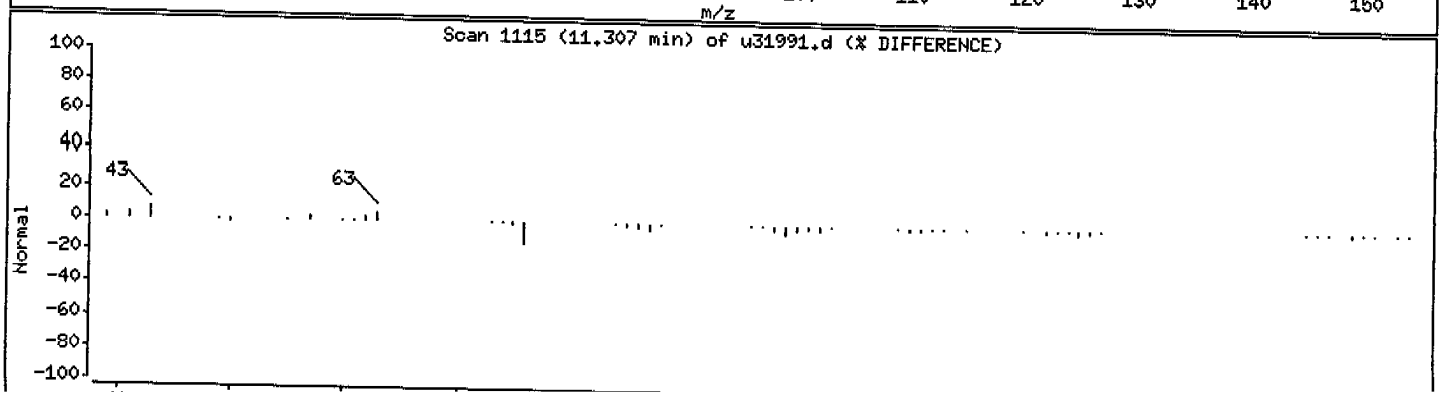
39 Acenaphthylene

Concentration: 82 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

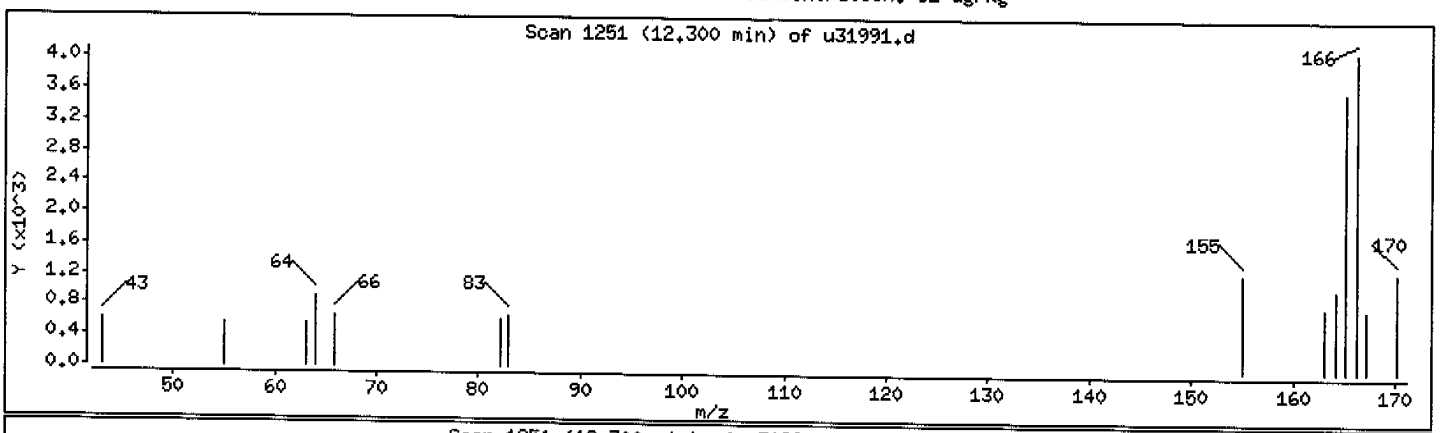
Operator: BNAMS 4

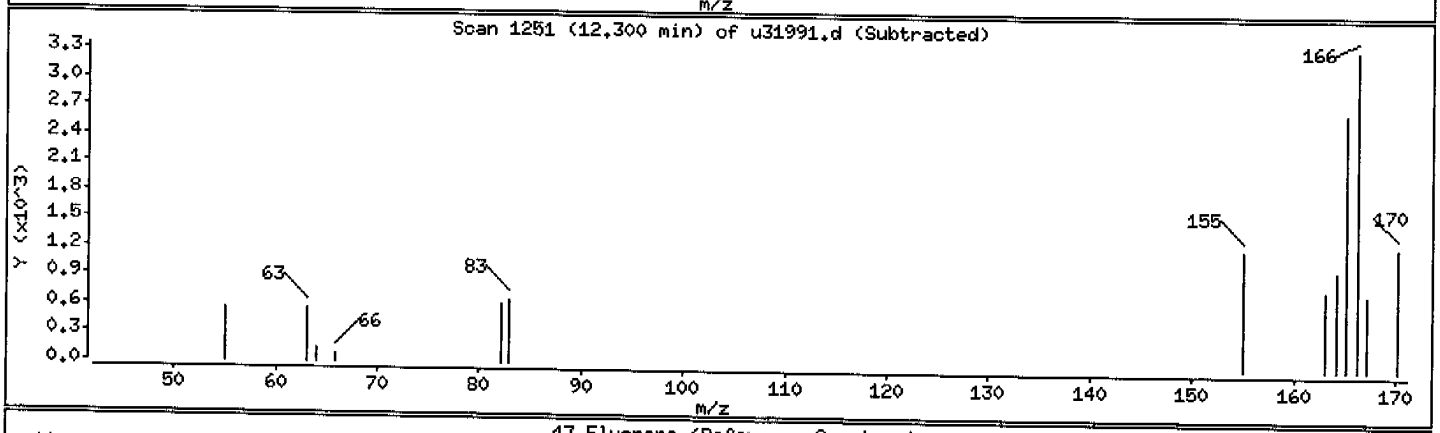
Column phase: DB-5

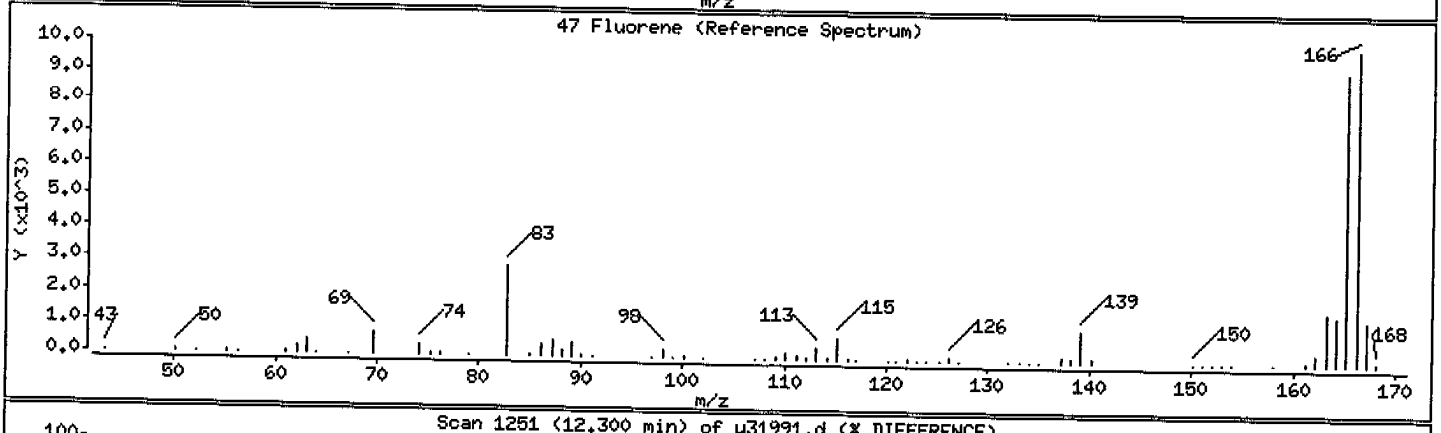
Column diameter: 0.25

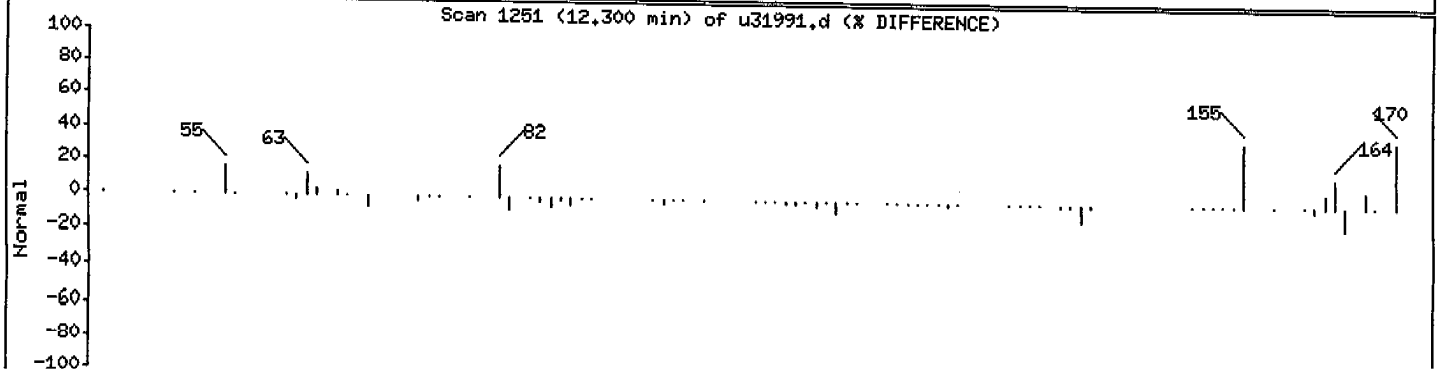
47 Fluorene

Concentration: 32 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

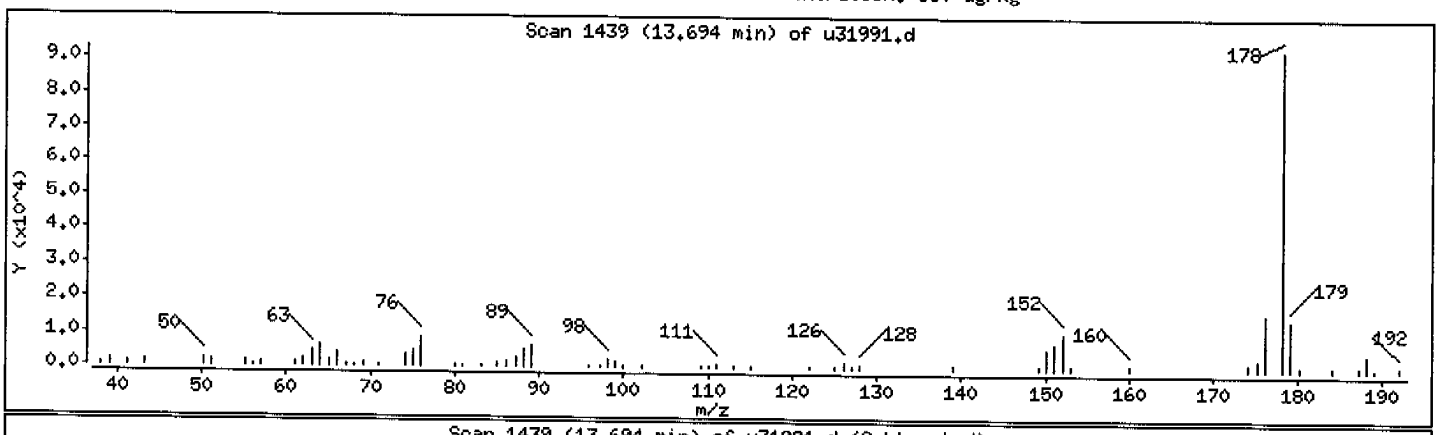
Operator: BNAMS 4

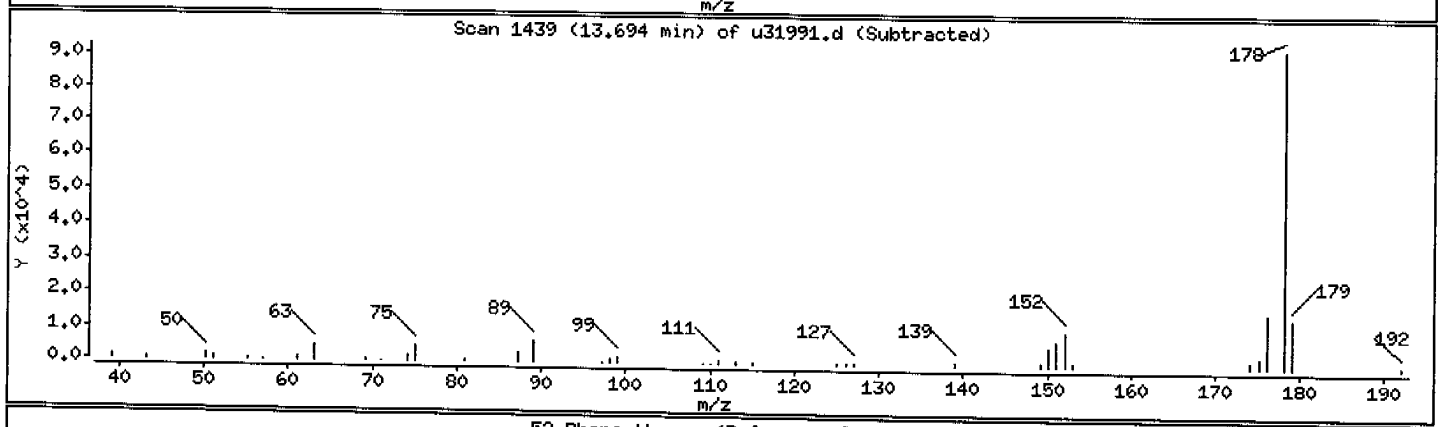
Column phase: DB-5

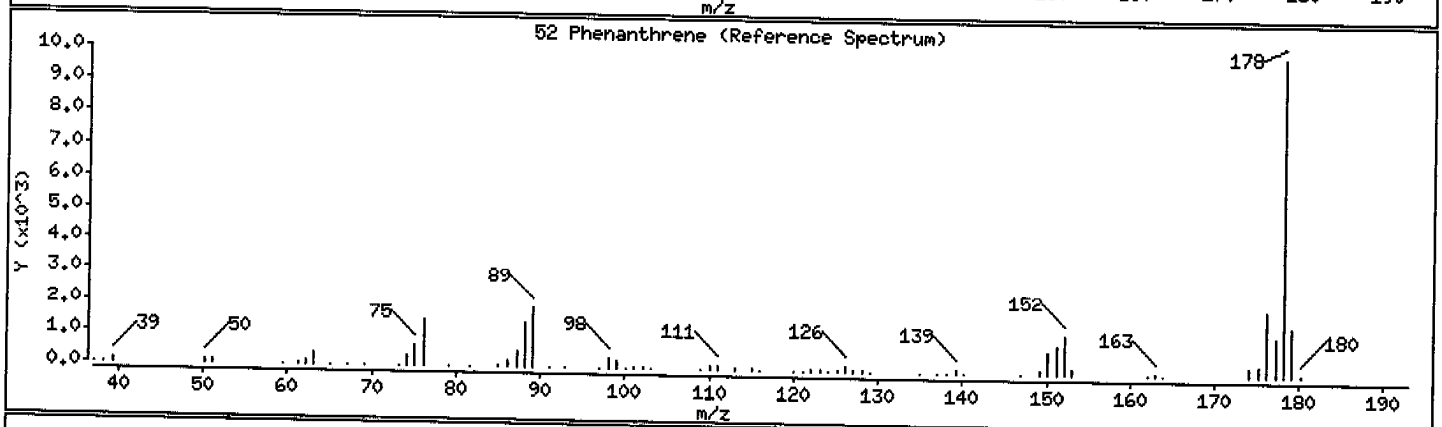
Column diameter: 0.25

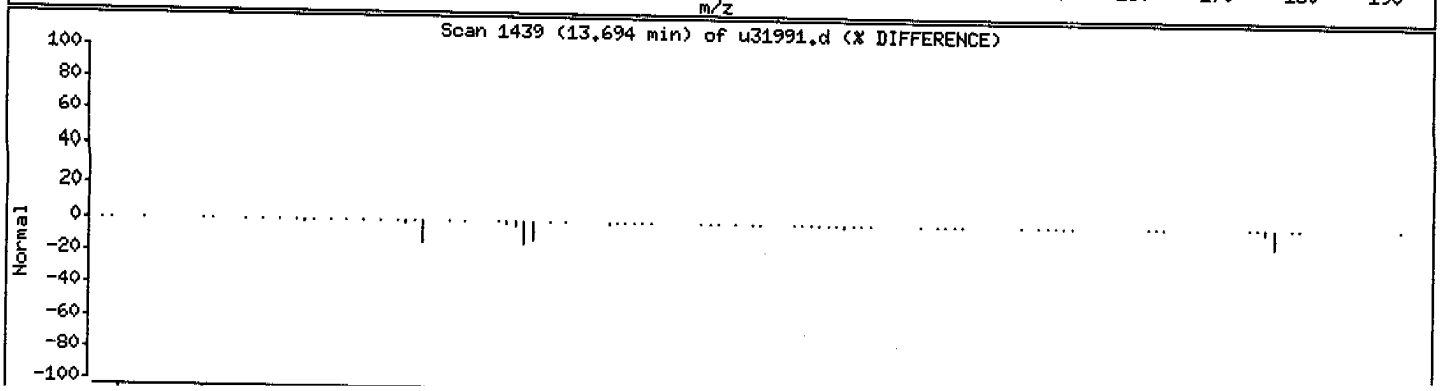
52 Phenanthrene

Concentration: 550 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

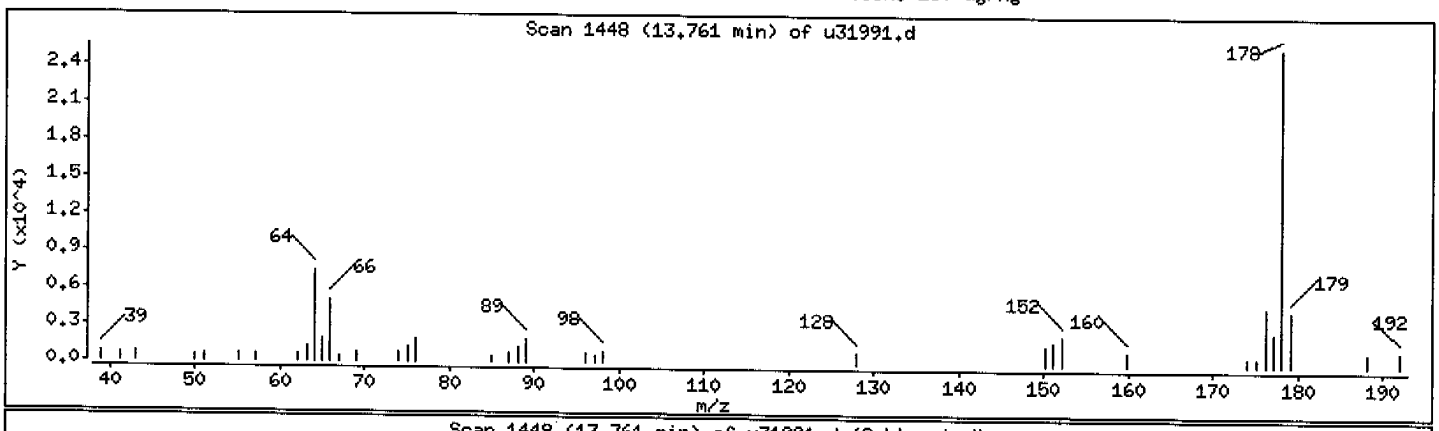
Operator: BNAMS 4

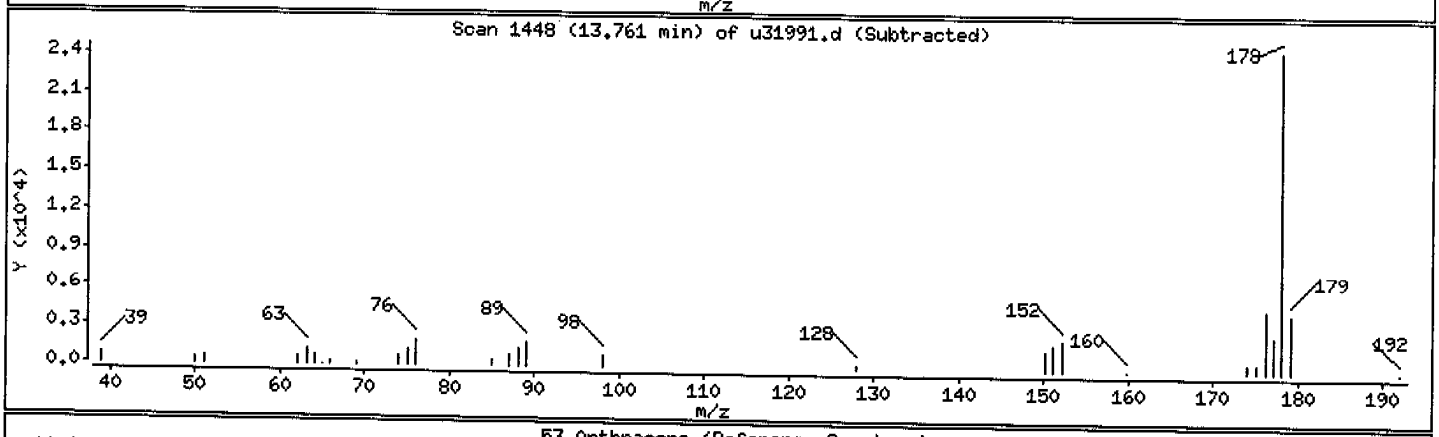
Column phase: DB-5

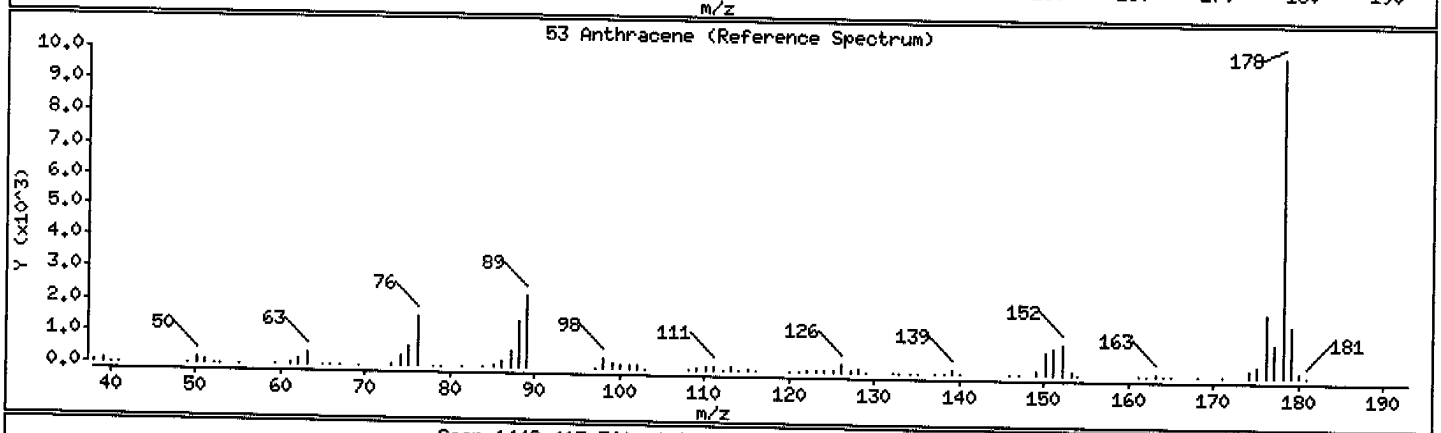
Column diameter: 0.25

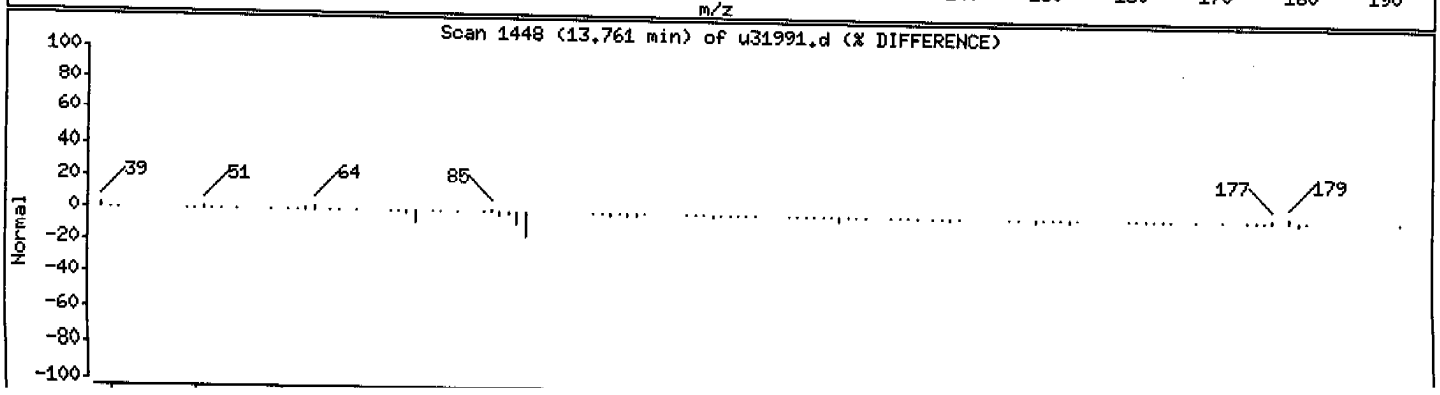
53 Anthracene

Concentration: 150 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

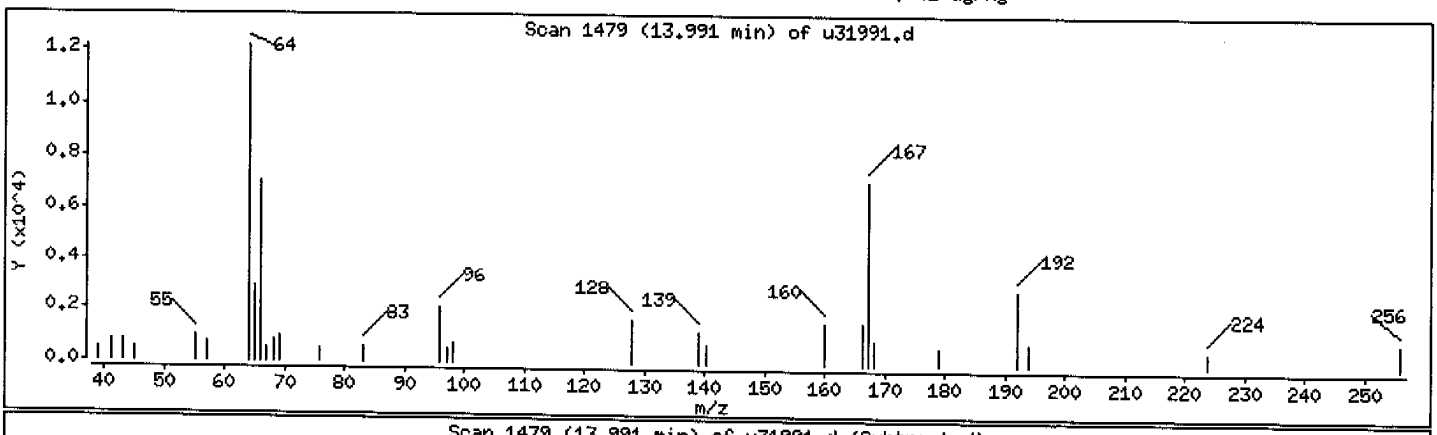
Operator: BNAMS 4

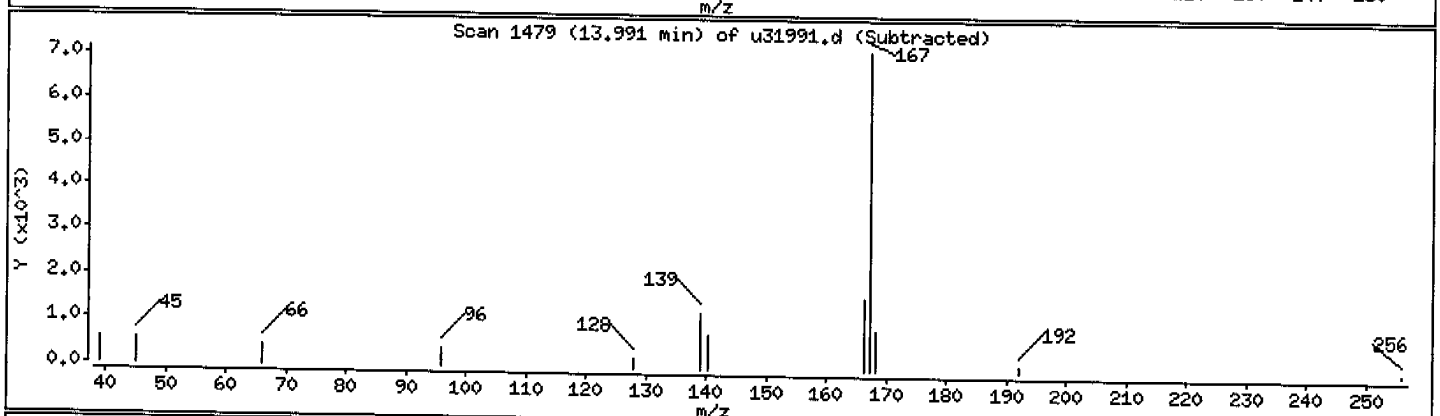
Column phase: DB-5

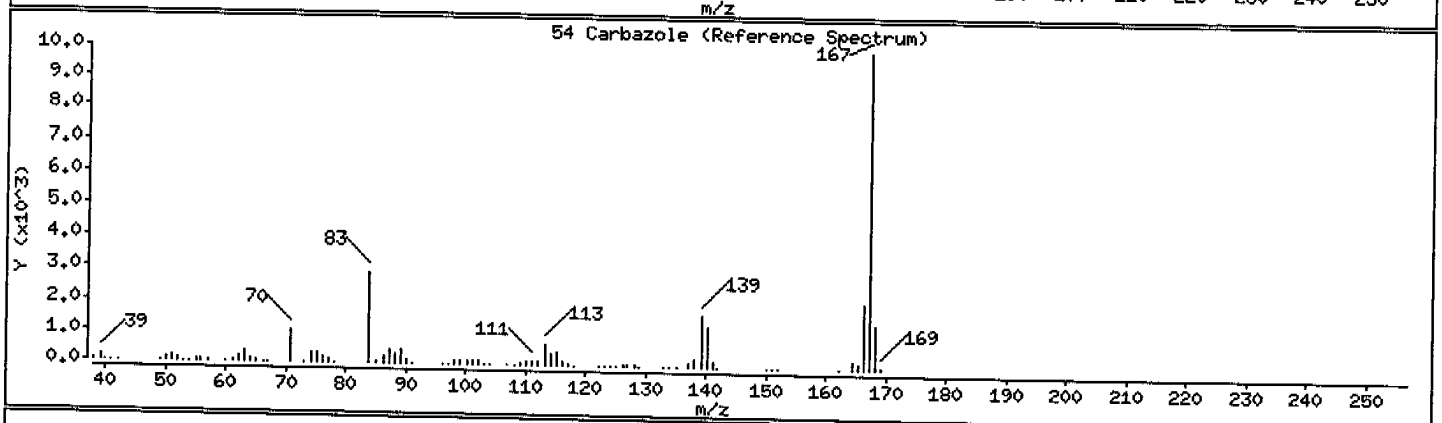
Column diameter: 0.25

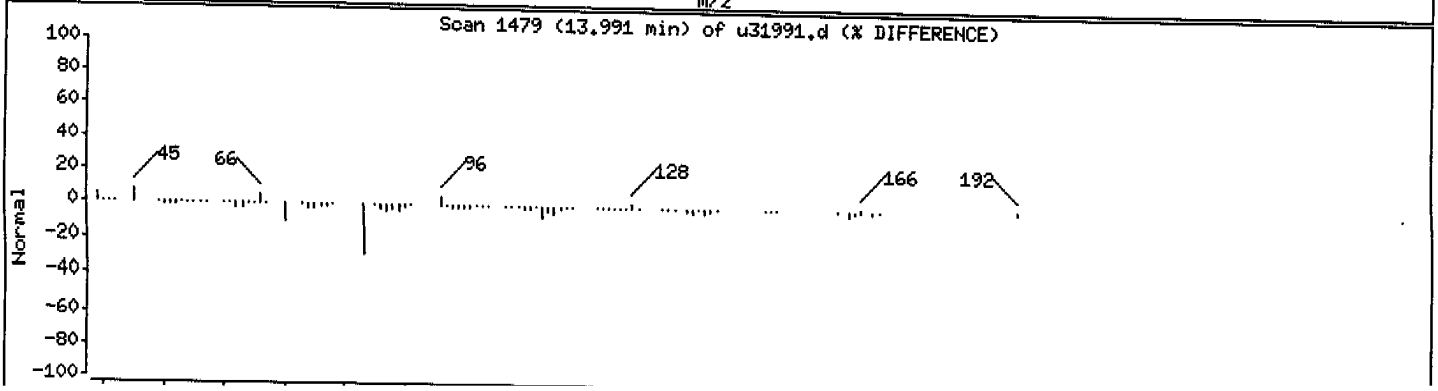
54 Carbazole

Concentration: 41 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

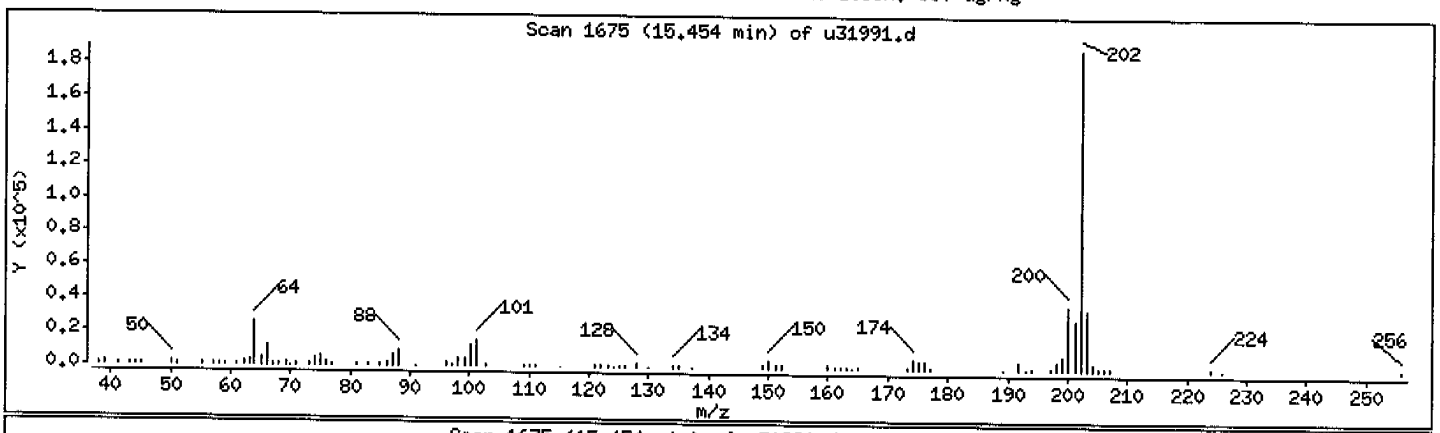
Operator: BNAMS 4

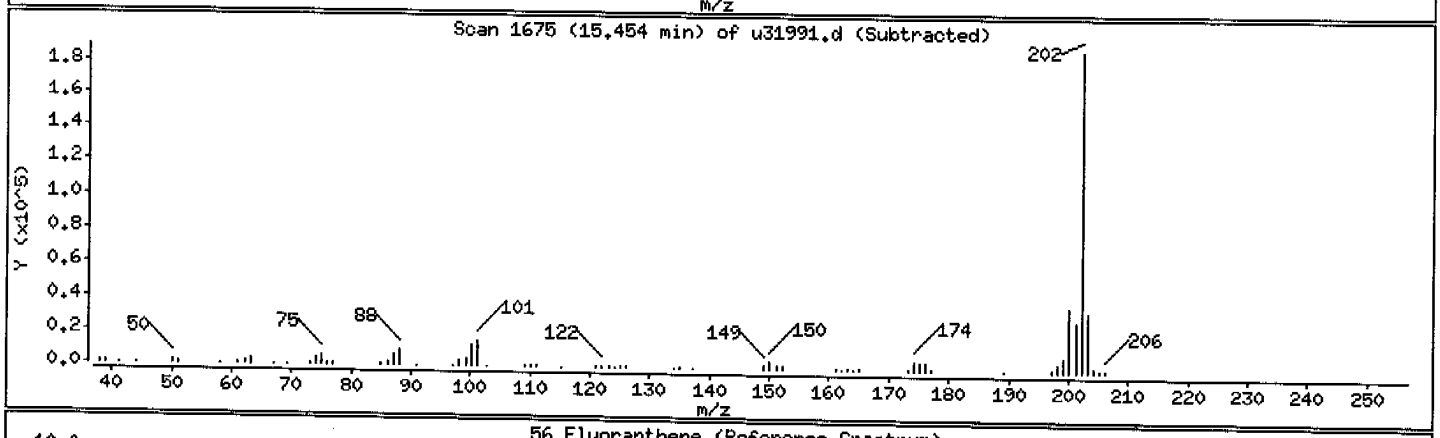
Column phase: DB-5

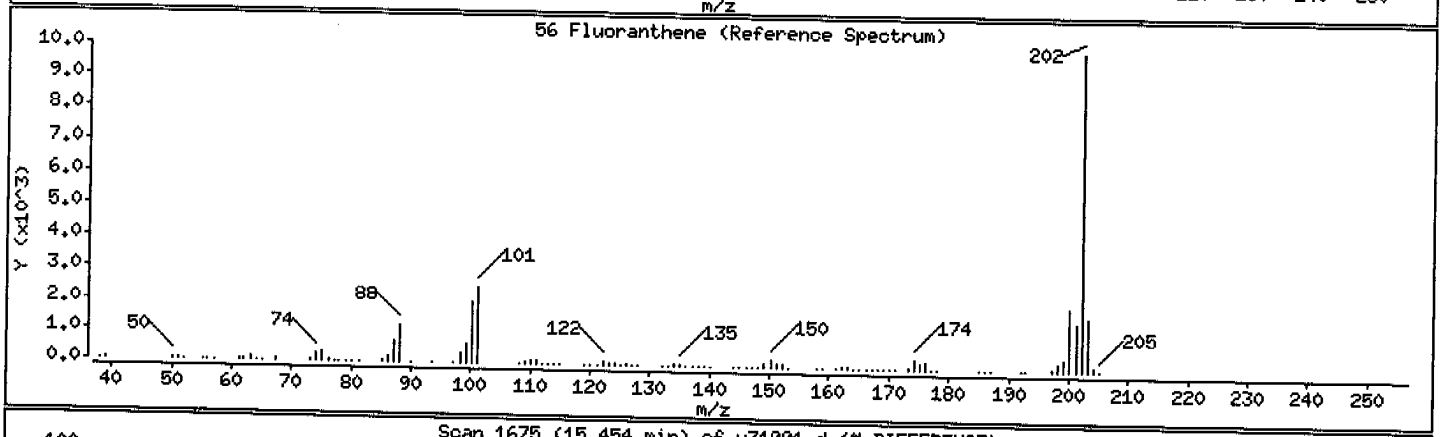
Column diameter: 0.25

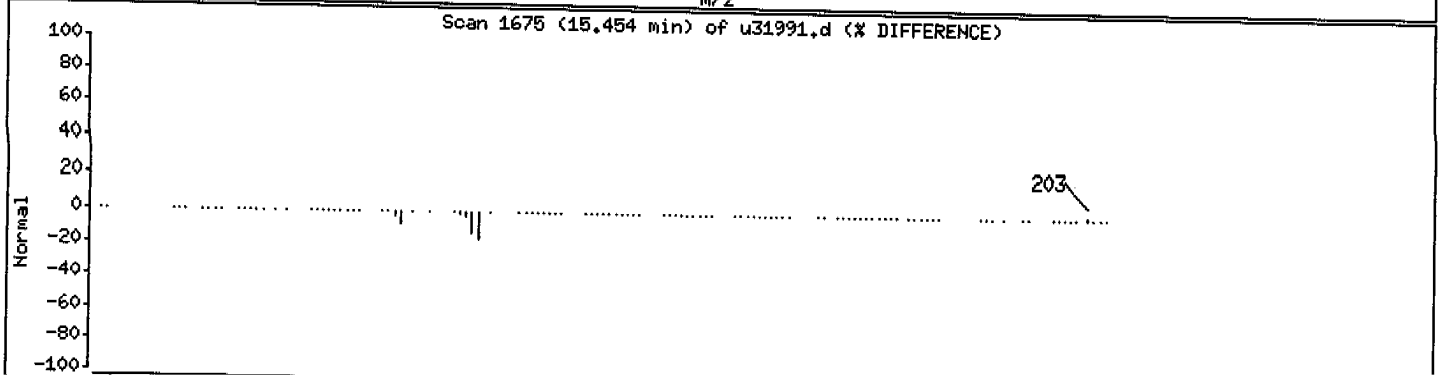
56 Fluoranthene

Concentration: 860 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

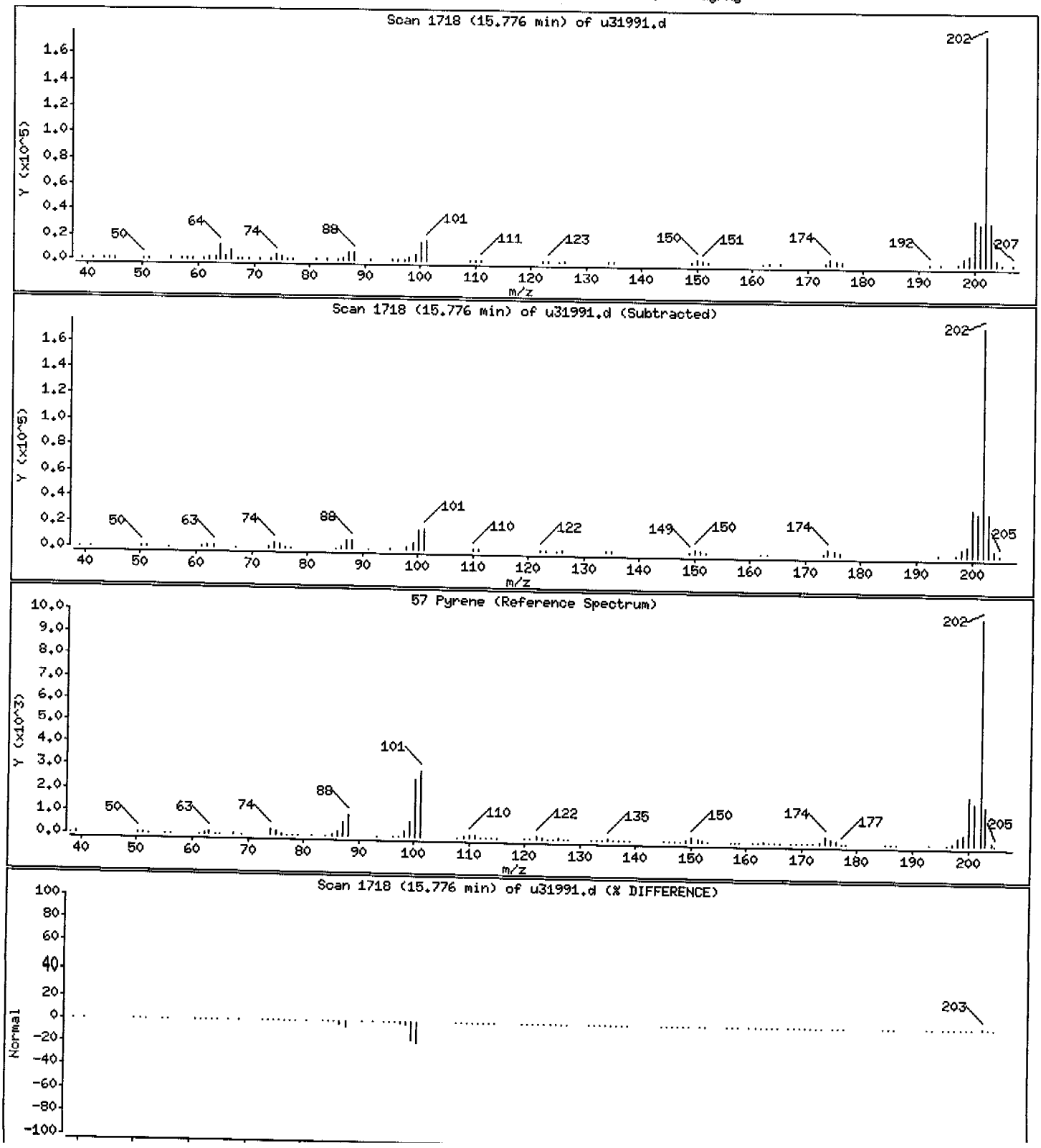
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 810 ug/Kg



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

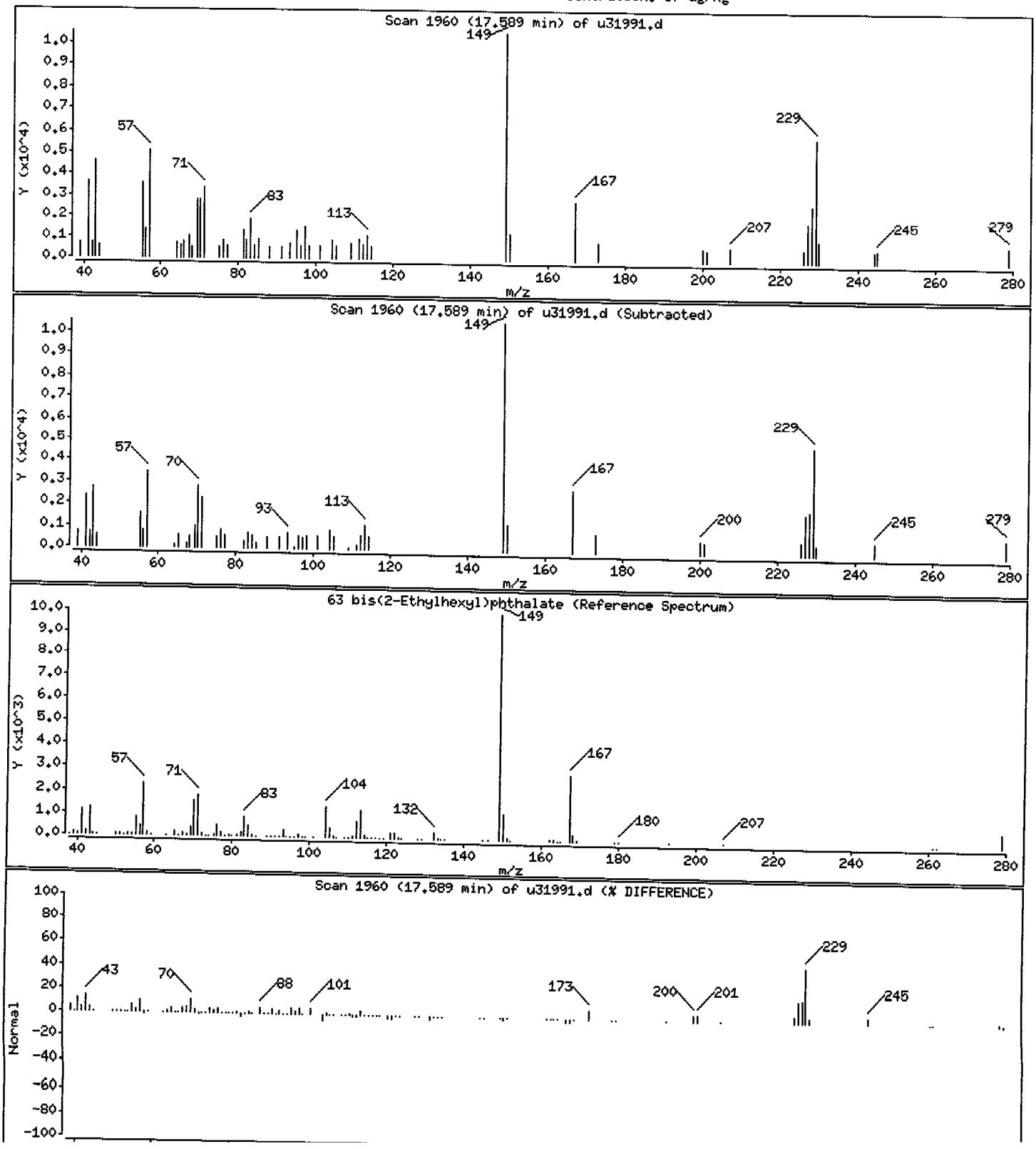
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 87 ug/Kg



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Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

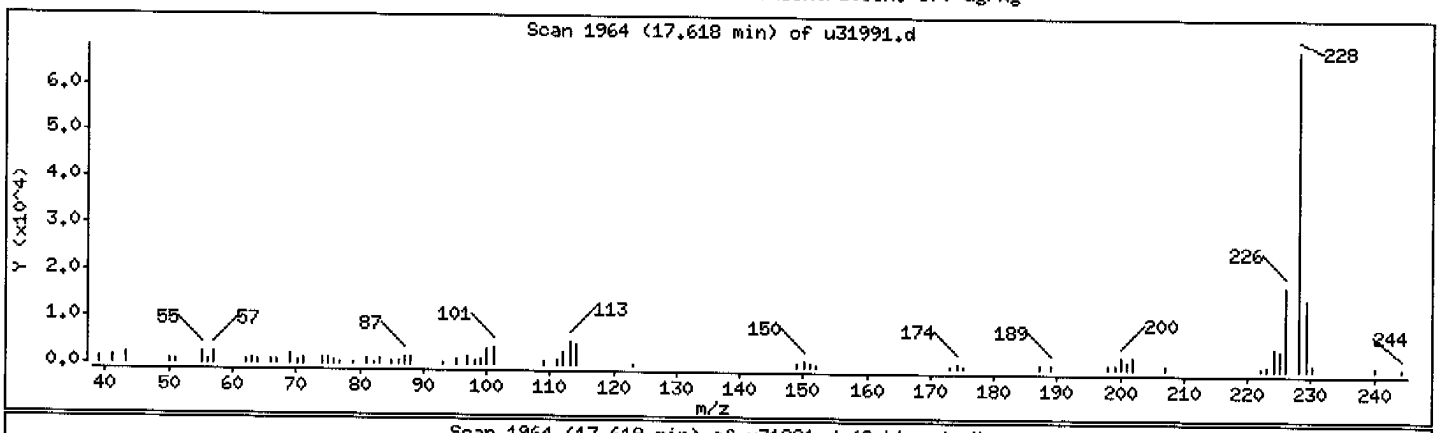
Operator: BNAMS 4

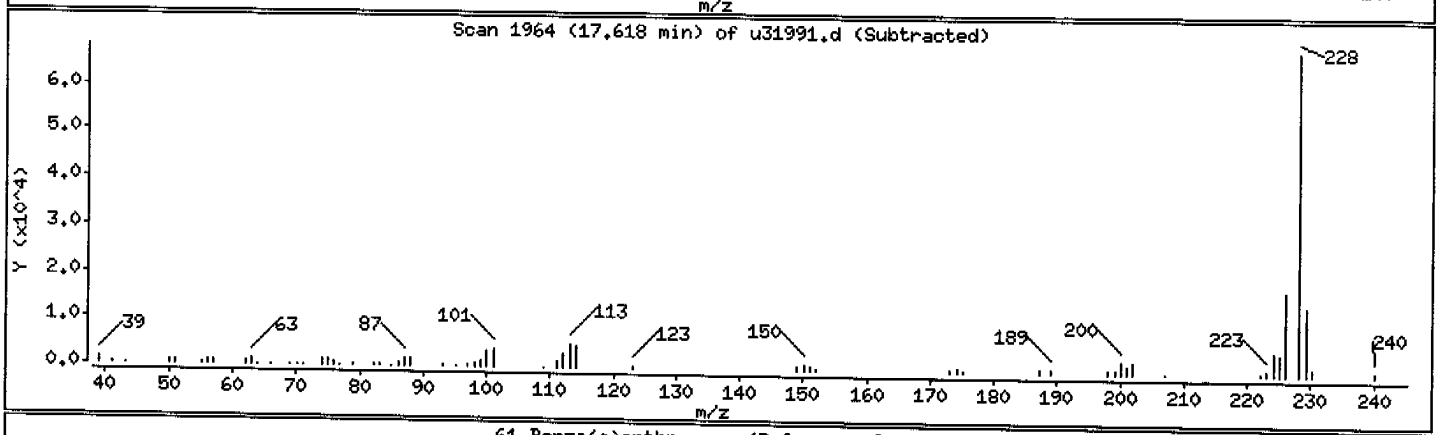
Column phase: DB-5

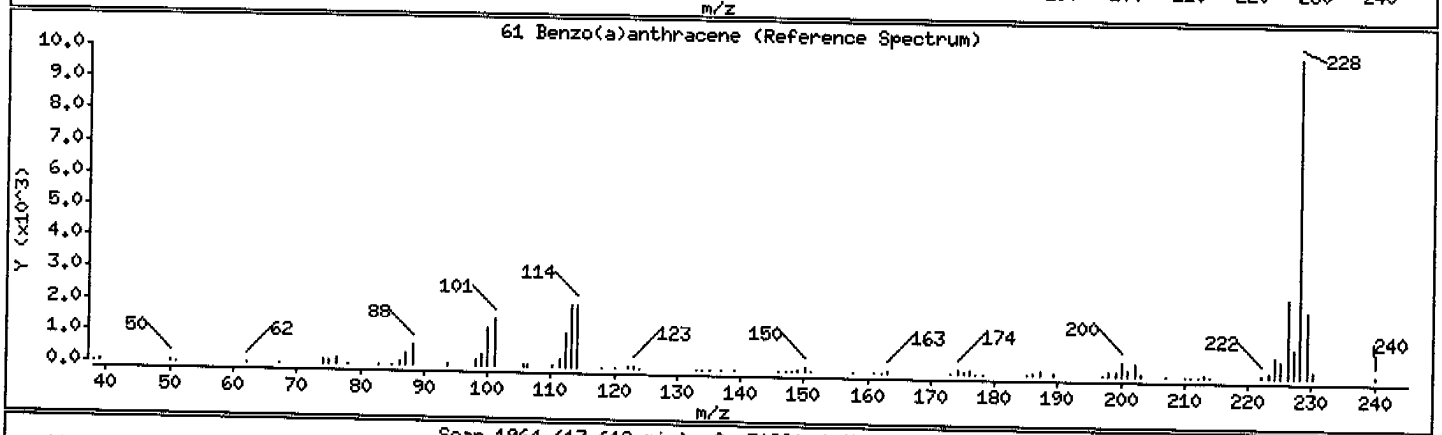
Column diameter: 0.25

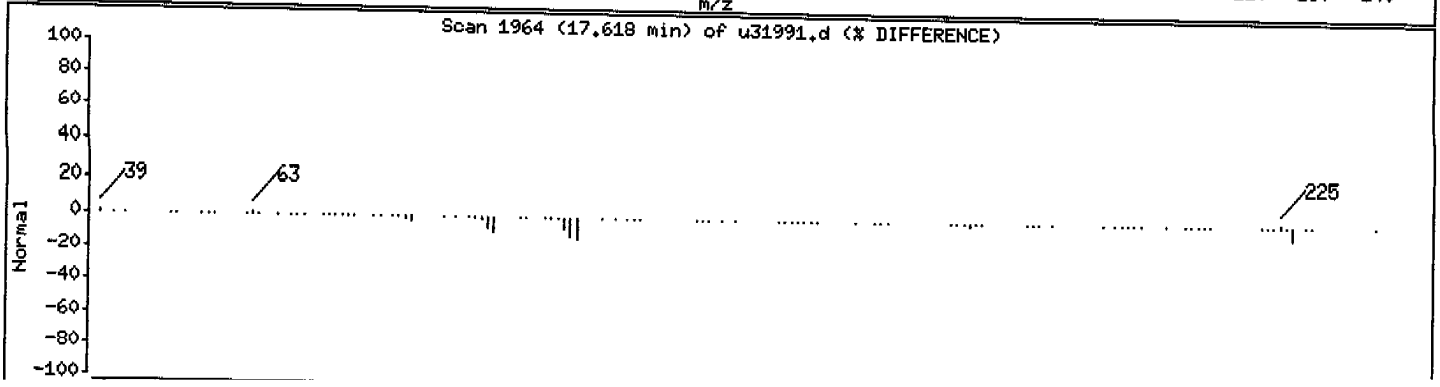
61 Benzo(a)anthracene

Concentration: 570 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

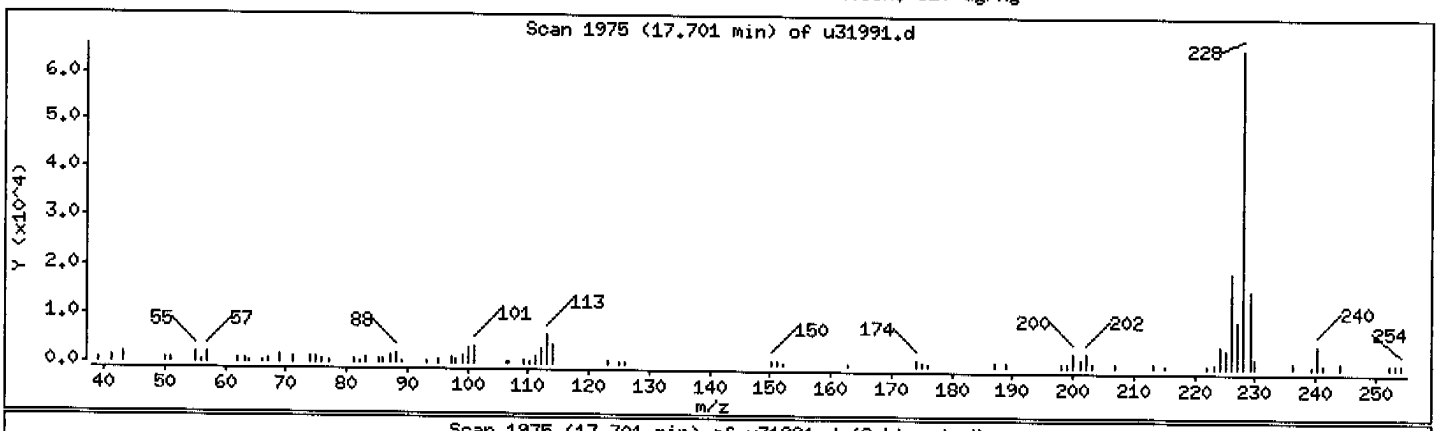
Operator: BNAMS 4

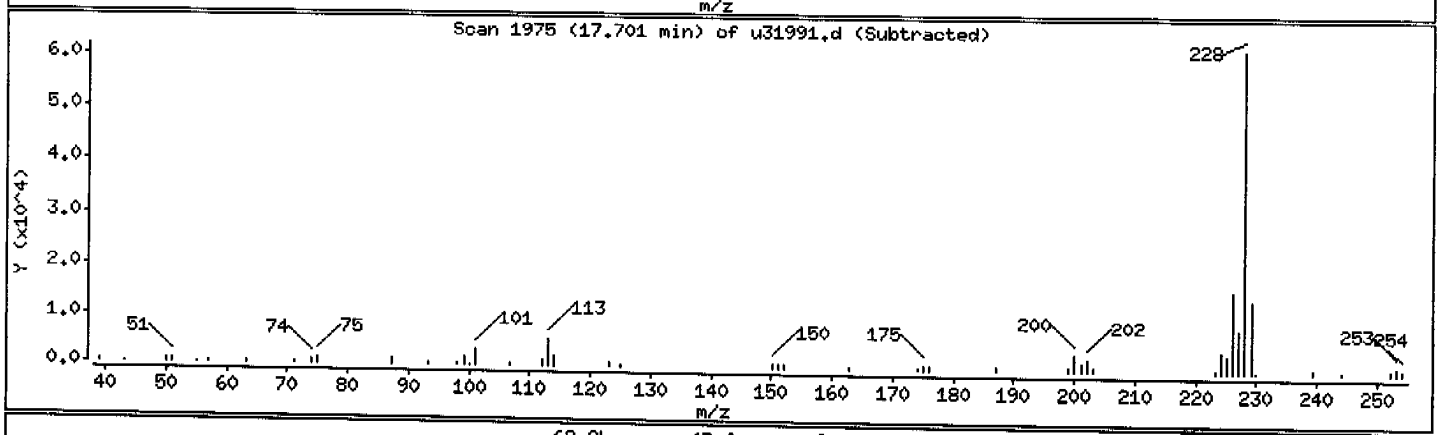
Column phase: DB-5

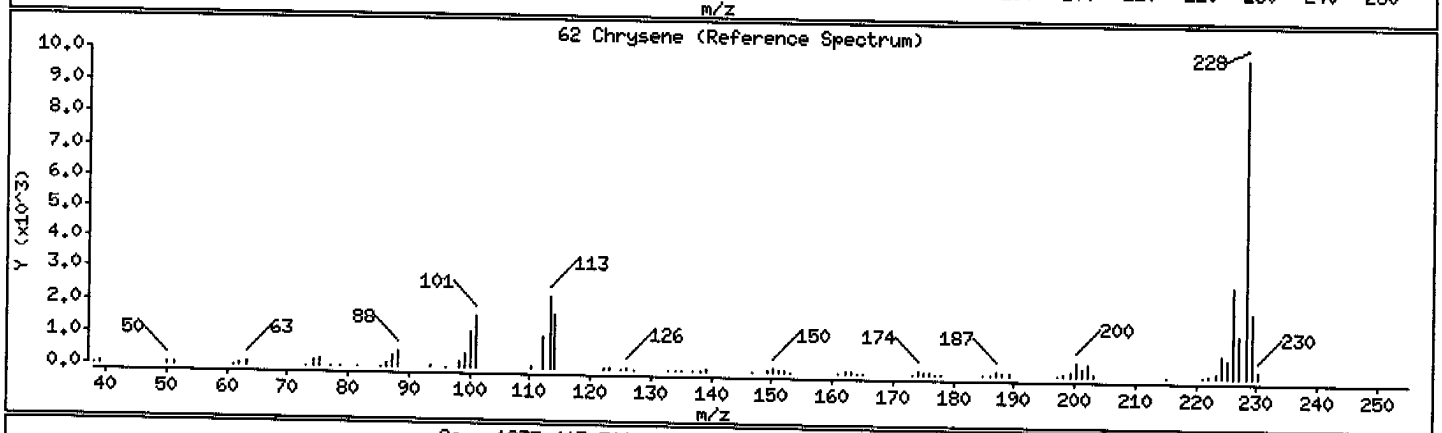
Column diameter: 0.25

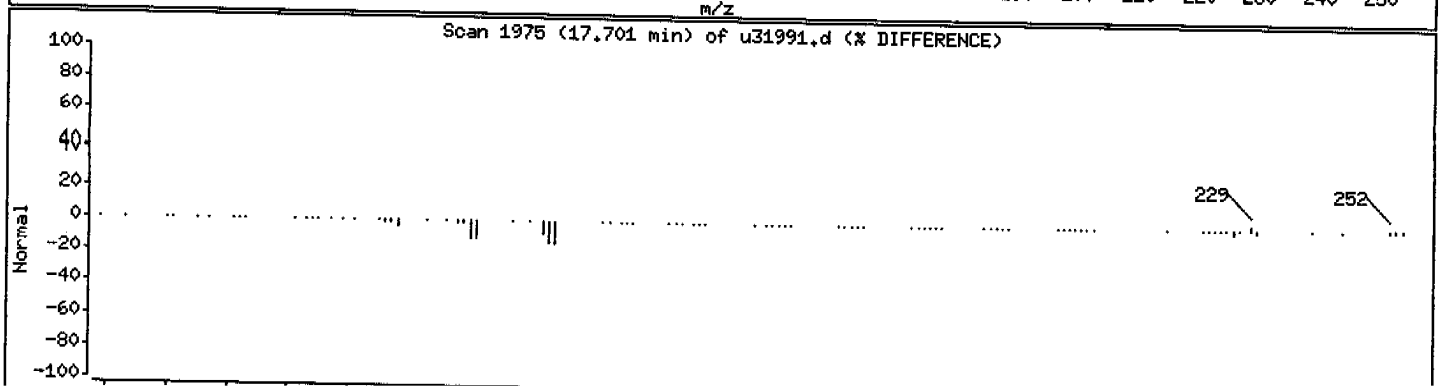
62 Chrysene

Concentration: 520 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

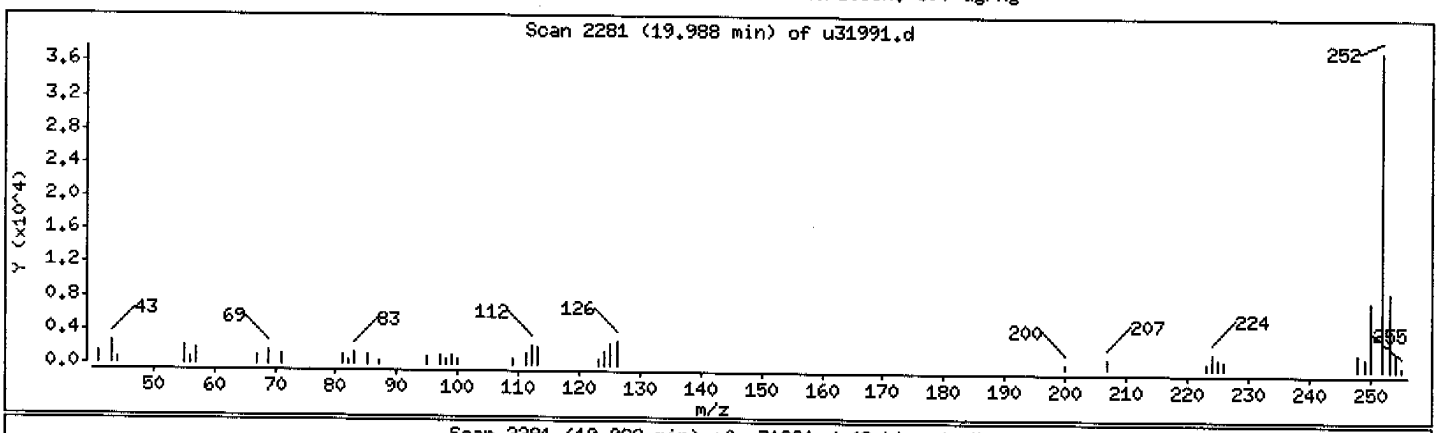
Client ID: B1401-SS02 Instrument: BNAMS4.i

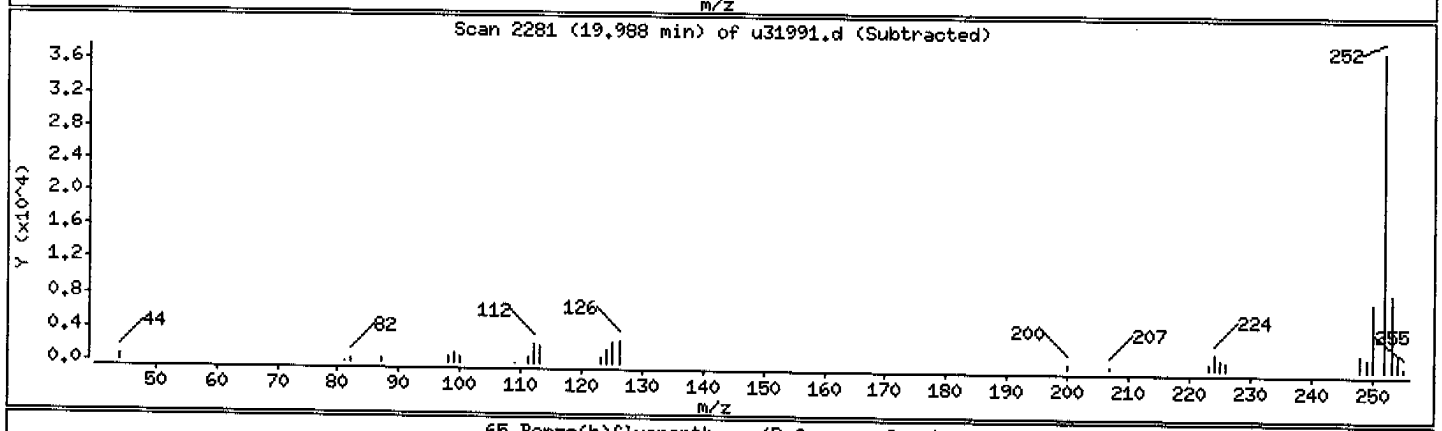
Sample Info: 765433;3205468

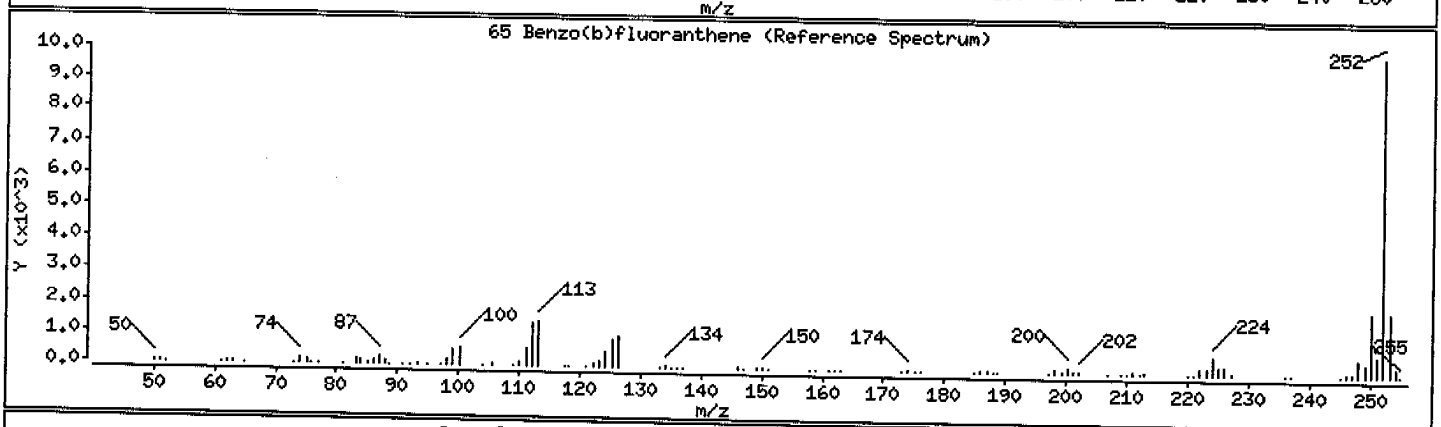
Operator: BNAMS 4

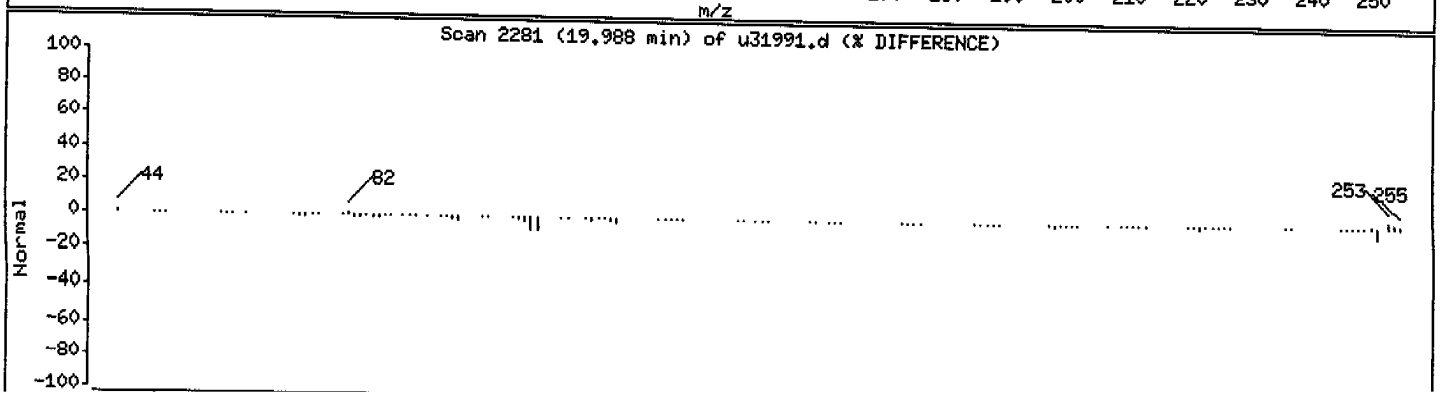
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 390 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31991.d

Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

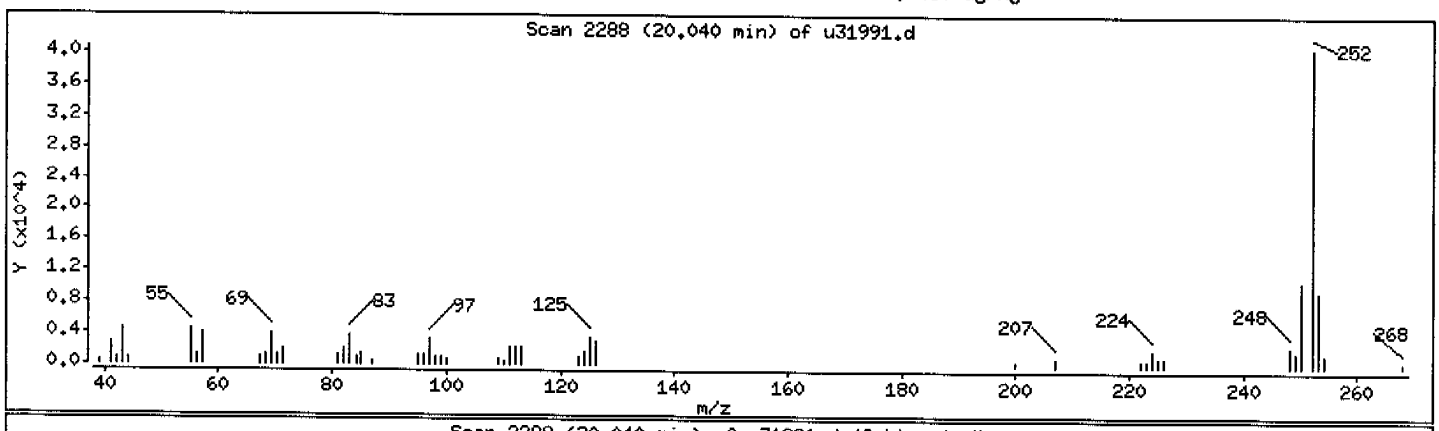
Operator: BNAMS 4

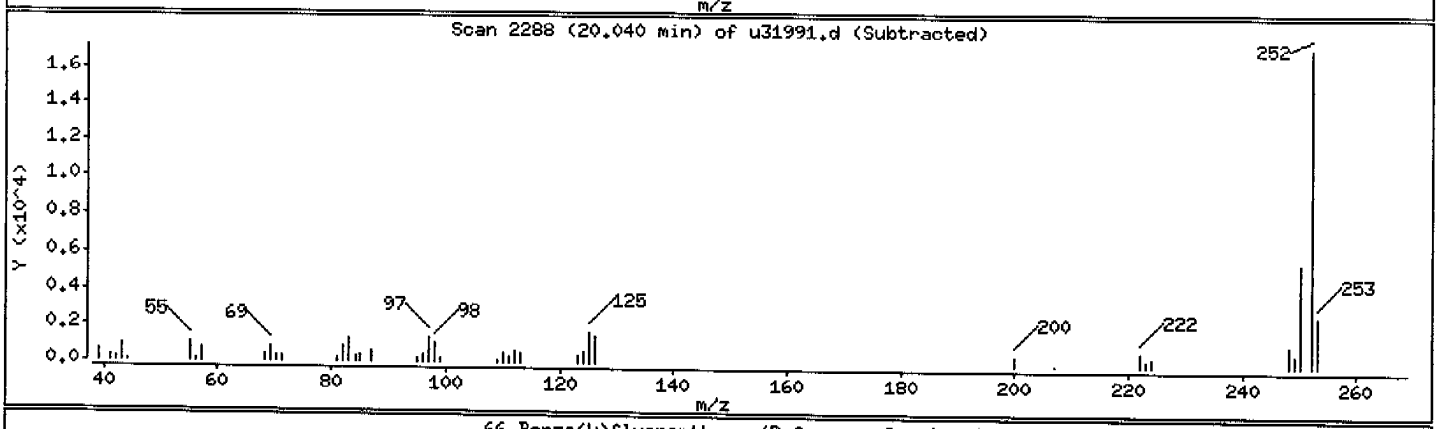
Column phase: DB-5

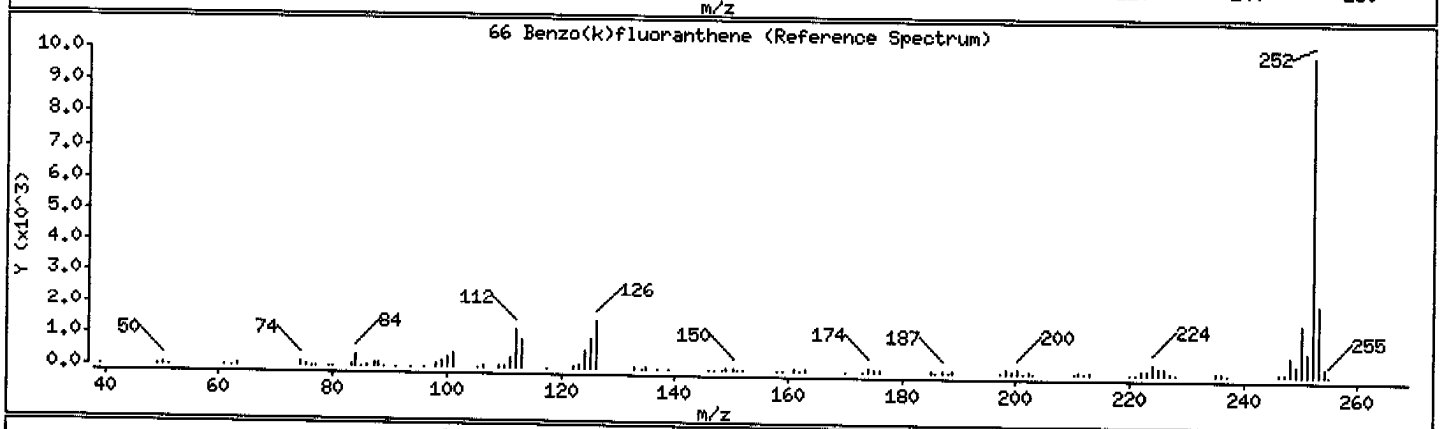
Column diameter: 0.25

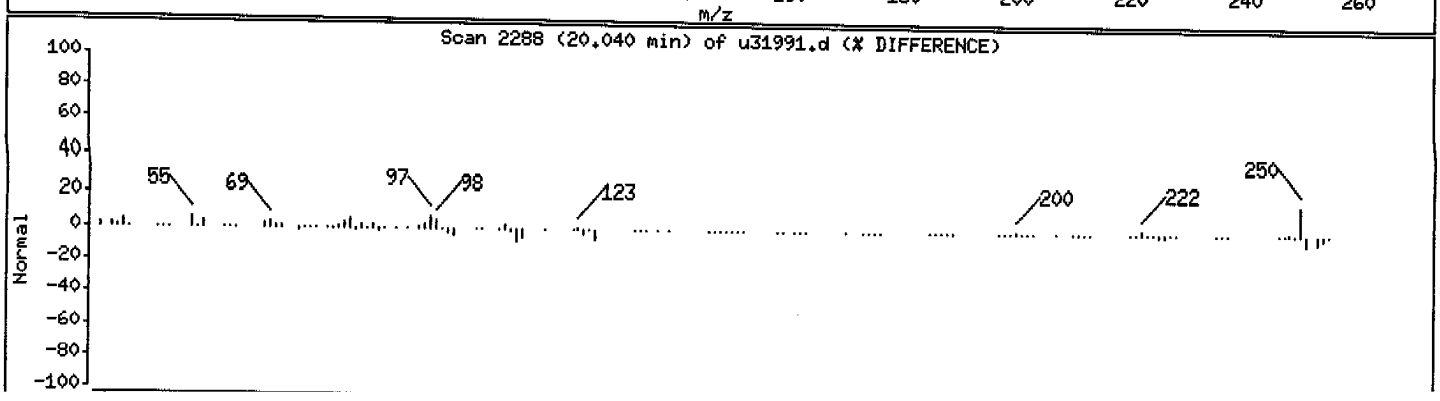
66 Benzo(k)fluoranthene

Concentration: 460 ug/Kg









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Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

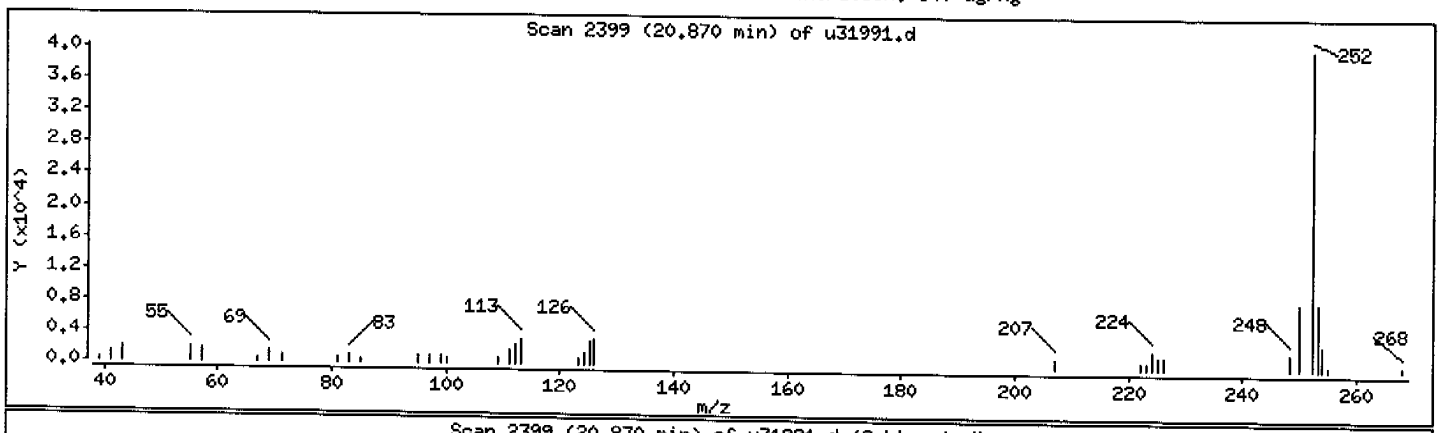
Operator: BNAMS 4

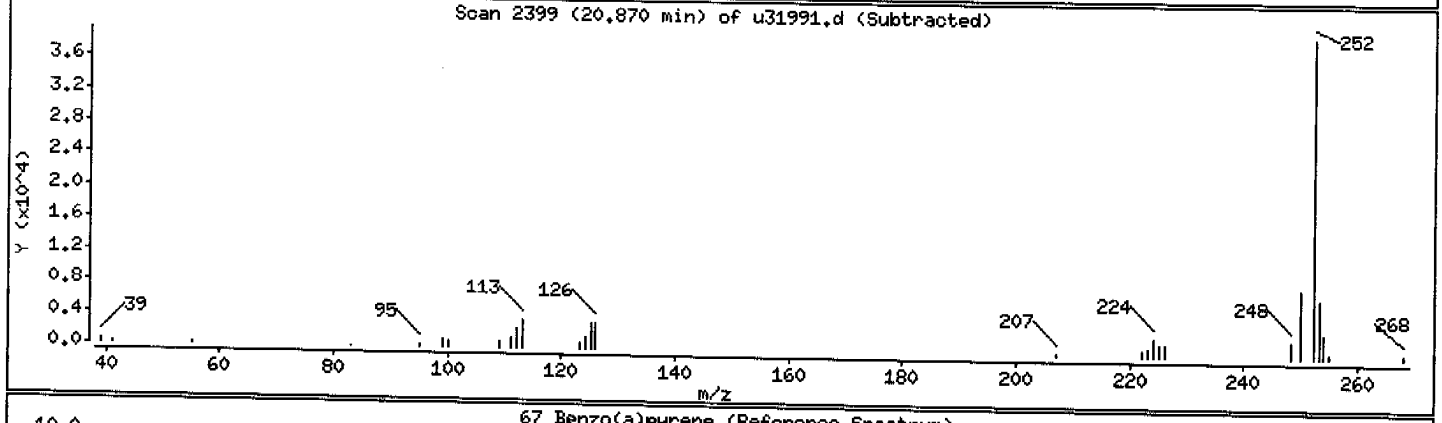
Column phase: DB-5

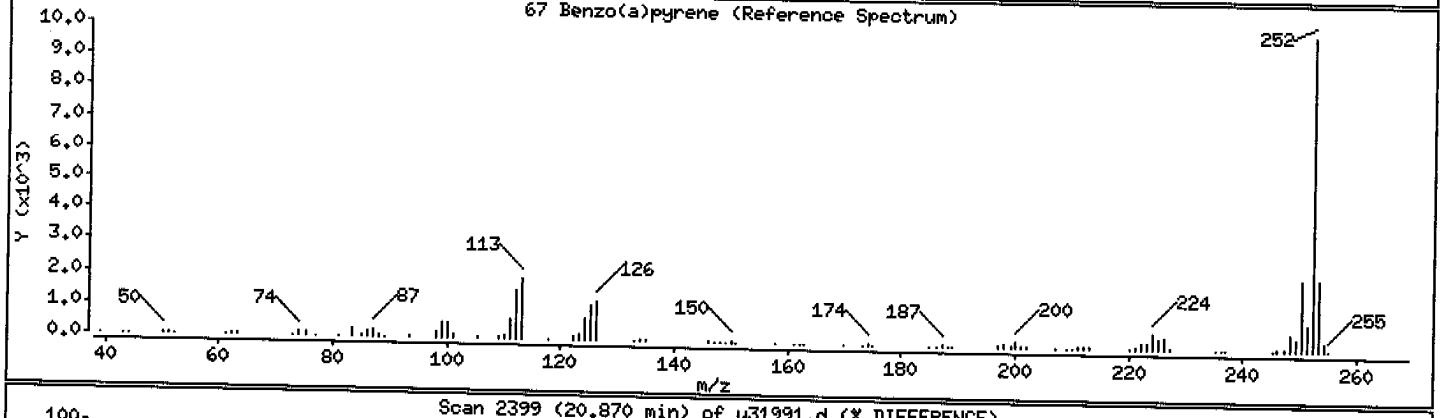
Column diameter: 0.25

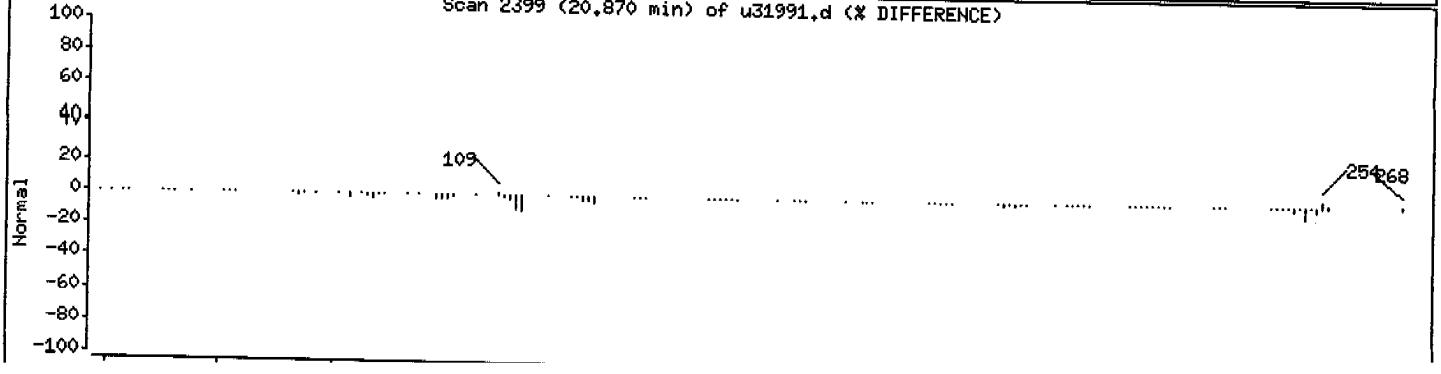
67 Benzo(a)pyrene

Concentration: 540 ug/Kg









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Date : 15-SEP-2006 07:18

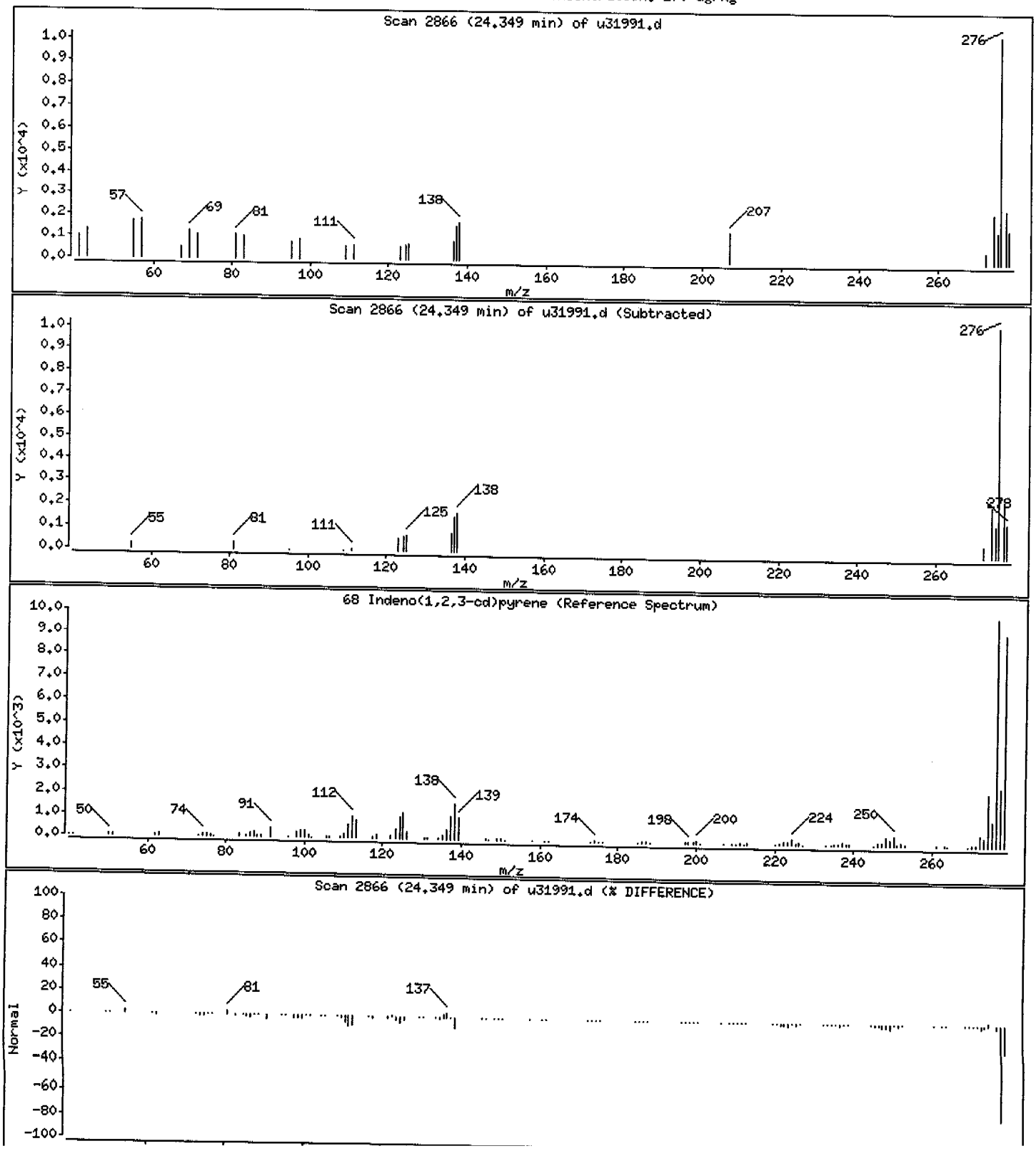
Client ID: B1401-SS02 Instrument: BNAMS4.i

Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene Concentration: 170 ug/Kg



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Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

Sample Info: 765433;3205468

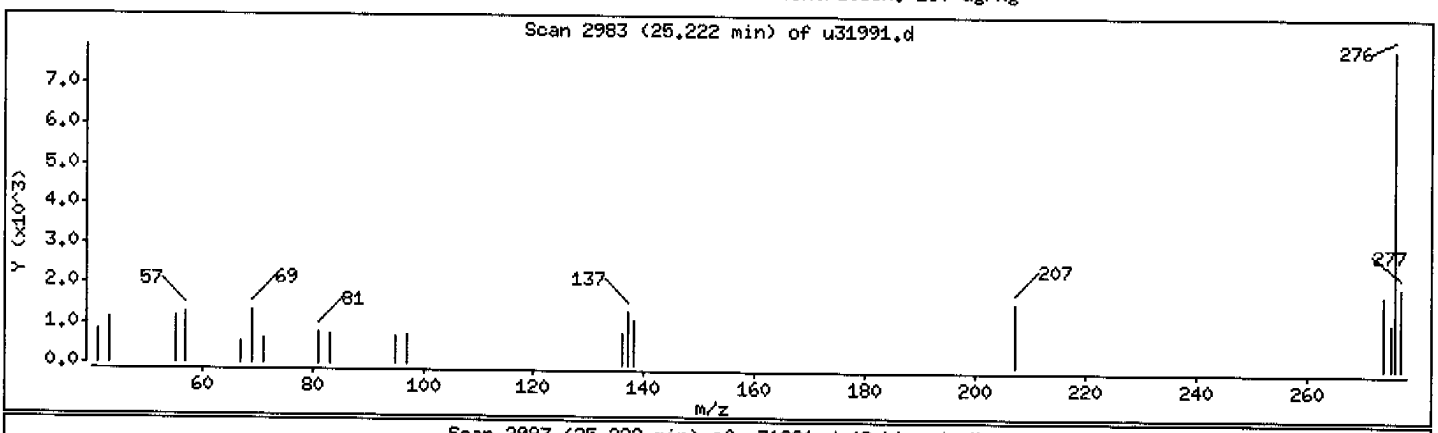
Operator: BNAMS 4

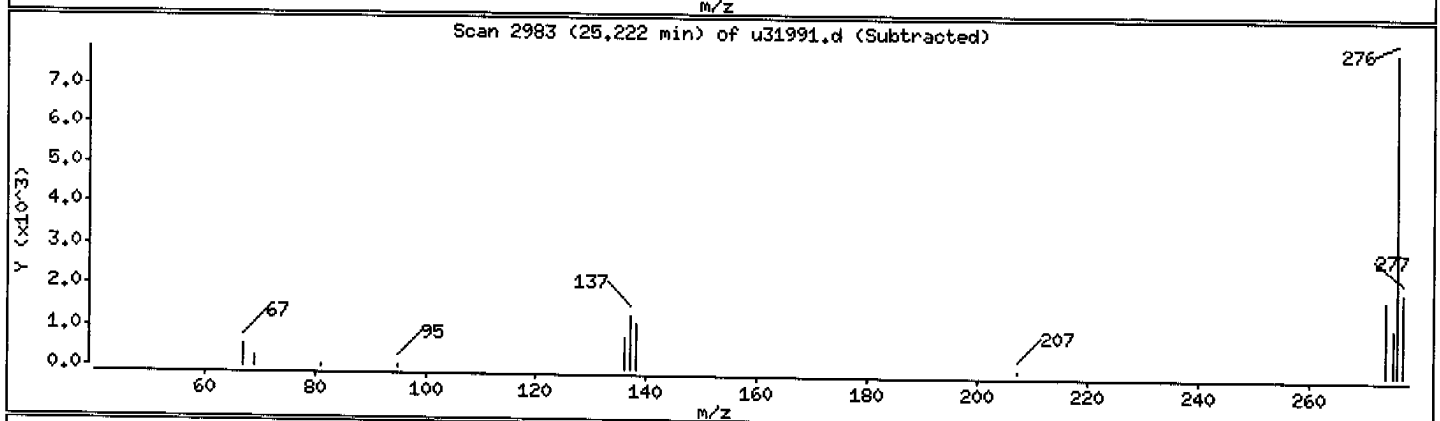
Column phase: DB-5

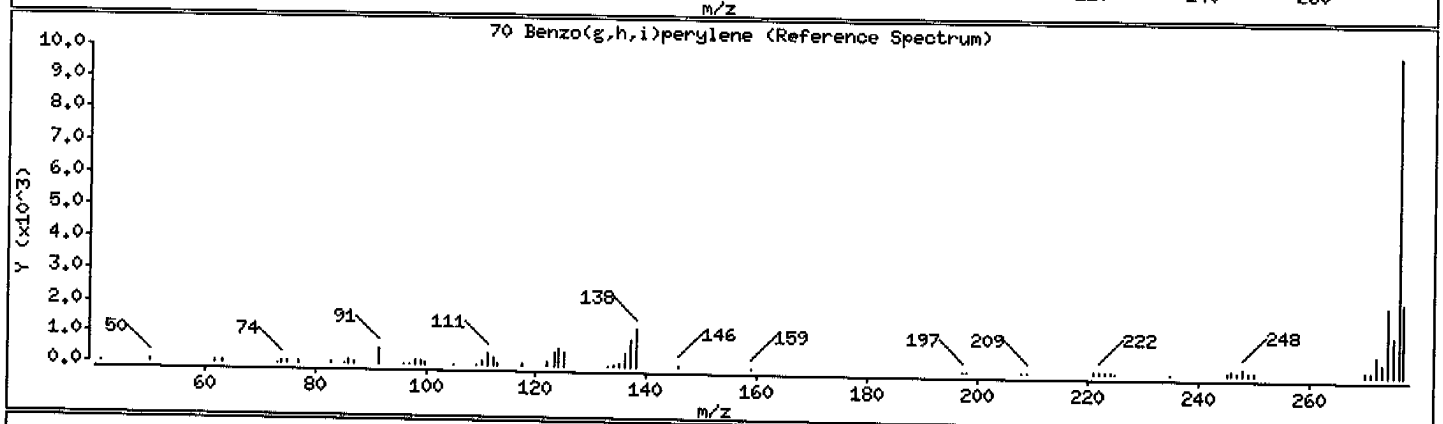
Column diameter: 0.25

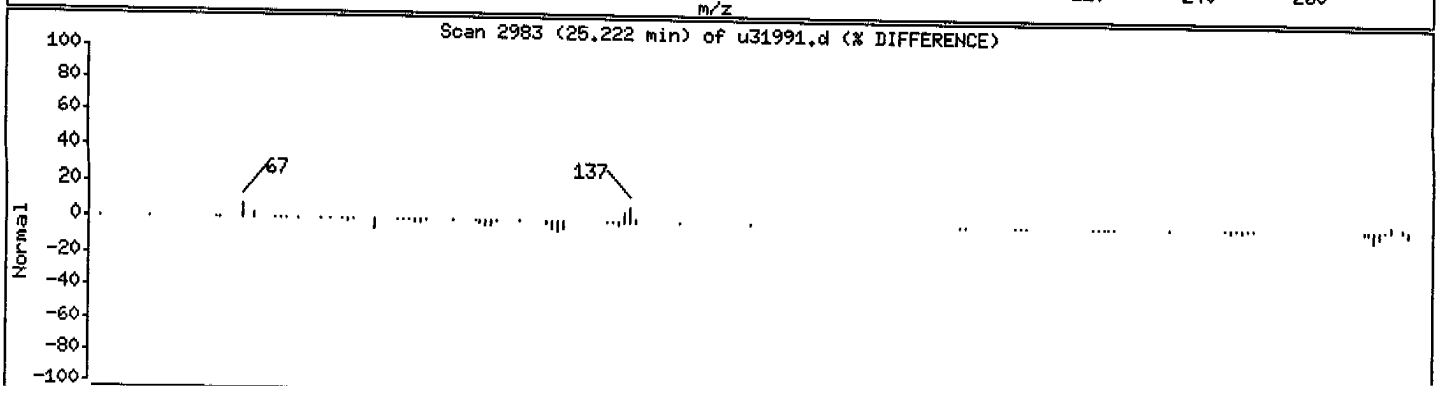
70 Benzo(g,h,i)perylene

Concentration: 150 ug/Kg









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Date : 15-SEP-2006 07:18

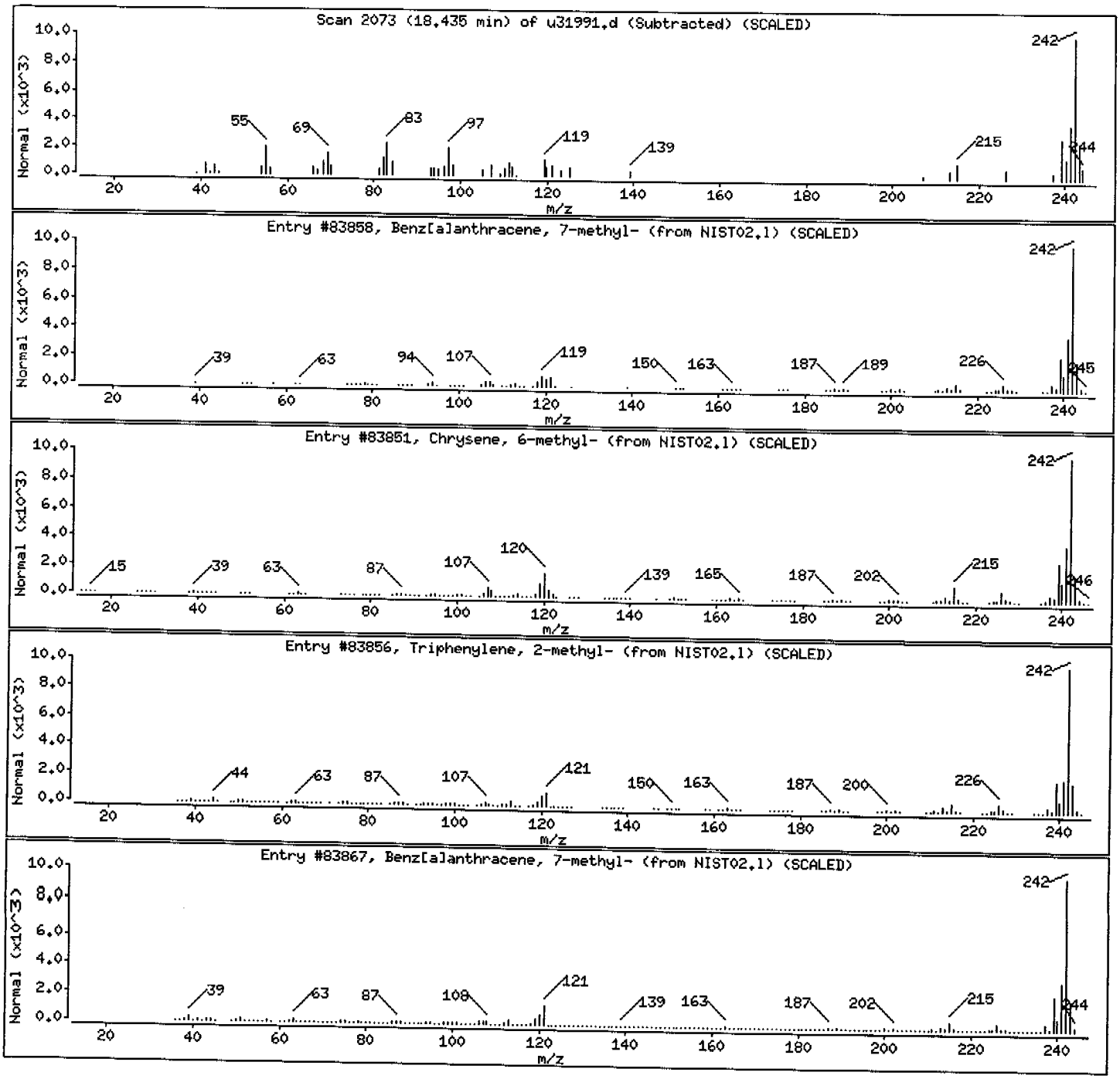
Client ID: B1401-SS02 Instrument: BNAMS4.i

Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C19H14 PAH						
Benz[a]anthracene, 7-methyl-	2541-69-7	NIST02.l	83858	76	C19H14	242
Chrysene, 6-methyl-	3697-24-3	NIST02.l	83851	70	C19H14	242
Triphenylene, 2-methyl-	1705-84-6	NIST02.l	83856	64	C19H14	242
Benz[a]anthracene, 7-methyl-	2541-69-7	NIST02.l	83867	64	C19H14	242



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Date : 15-SEP-2006 07:18

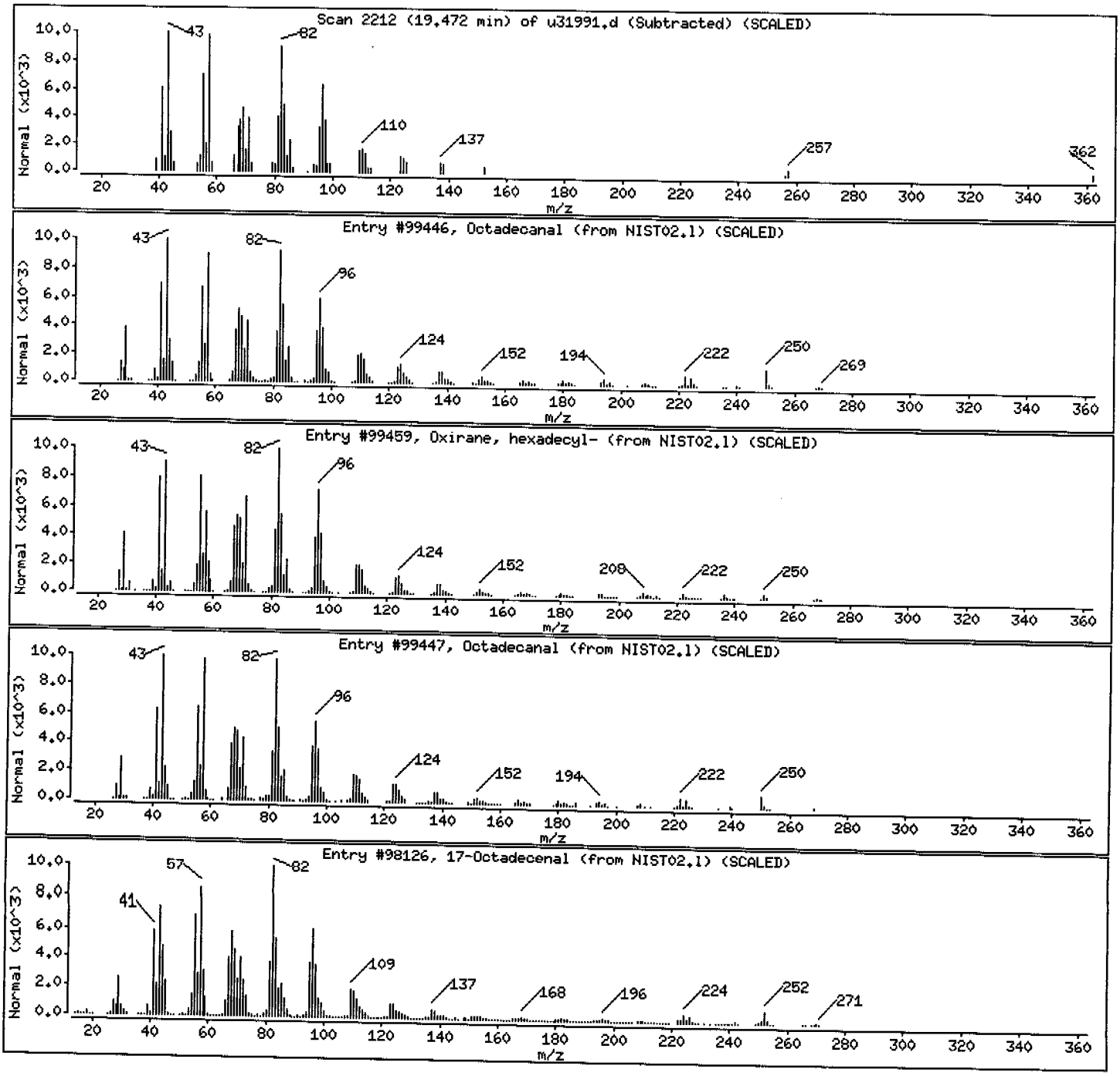
Client ID: B1401-SS02 Instrument: BNAMS4.i

Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanal	638-66-4	NIST02.l	99446	91	C18H360	268
Oxirane, hexadecyl-	7390-81-0	NIST02.l	99459	91	C18H360	268
Octadecanal	638-66-4	NIST02.l	99447	91	C18H360	268
17-Octadecenal	56554-86-0	NIST02.l	98126	91	C18H340	266



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Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

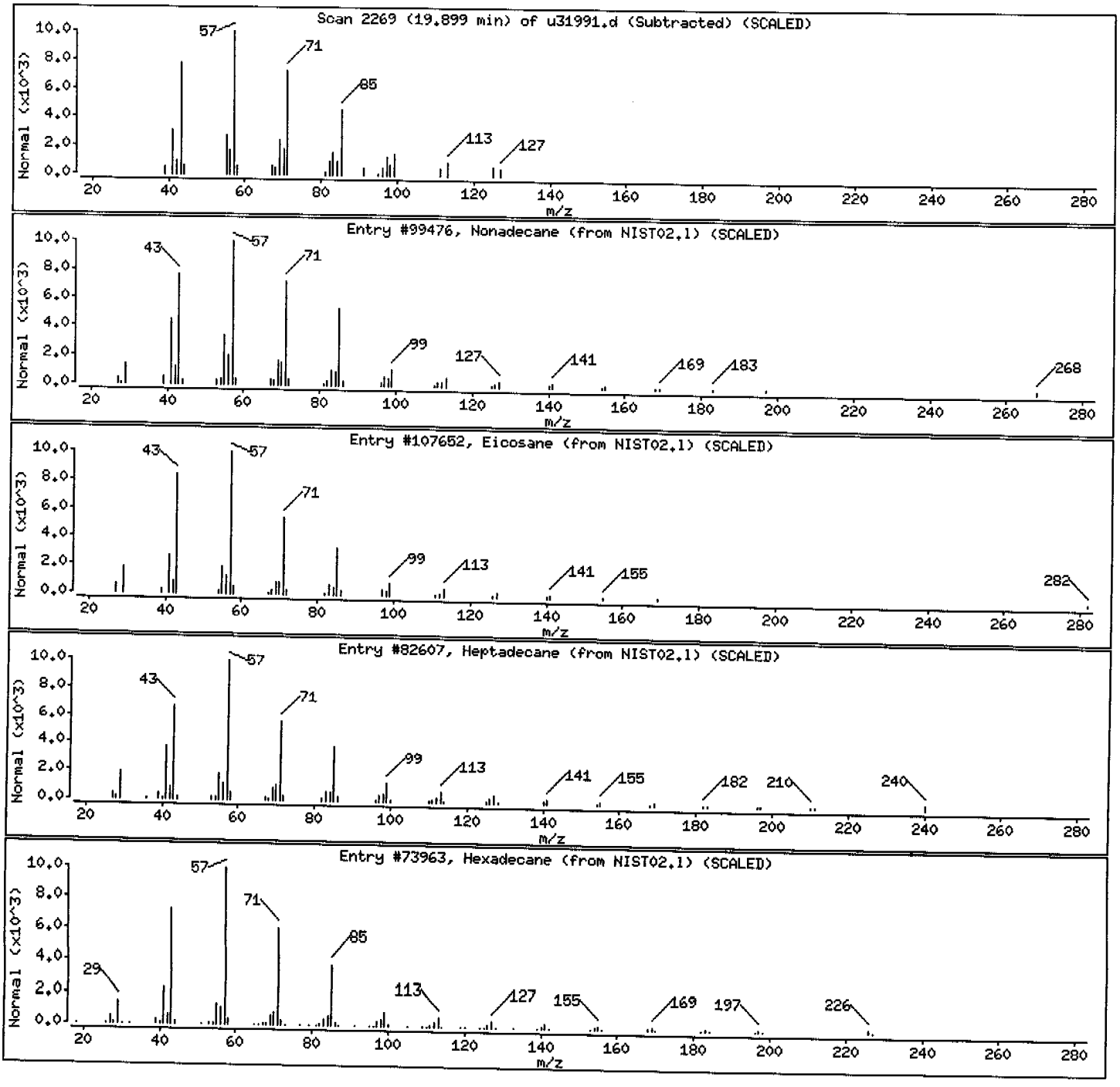
Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST02.l	99476	86	C19H40	268
Eicosane	112-95-8	NIST02.l	107652	86	C20H42	282
Heptadecane	629-78-7	NIST02.l	82607	78	C17H36	240
Hexadecane	544-76-3	NIST02.l	73963	72	C16H34	226



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Date : 15-SEP-2006 07:18

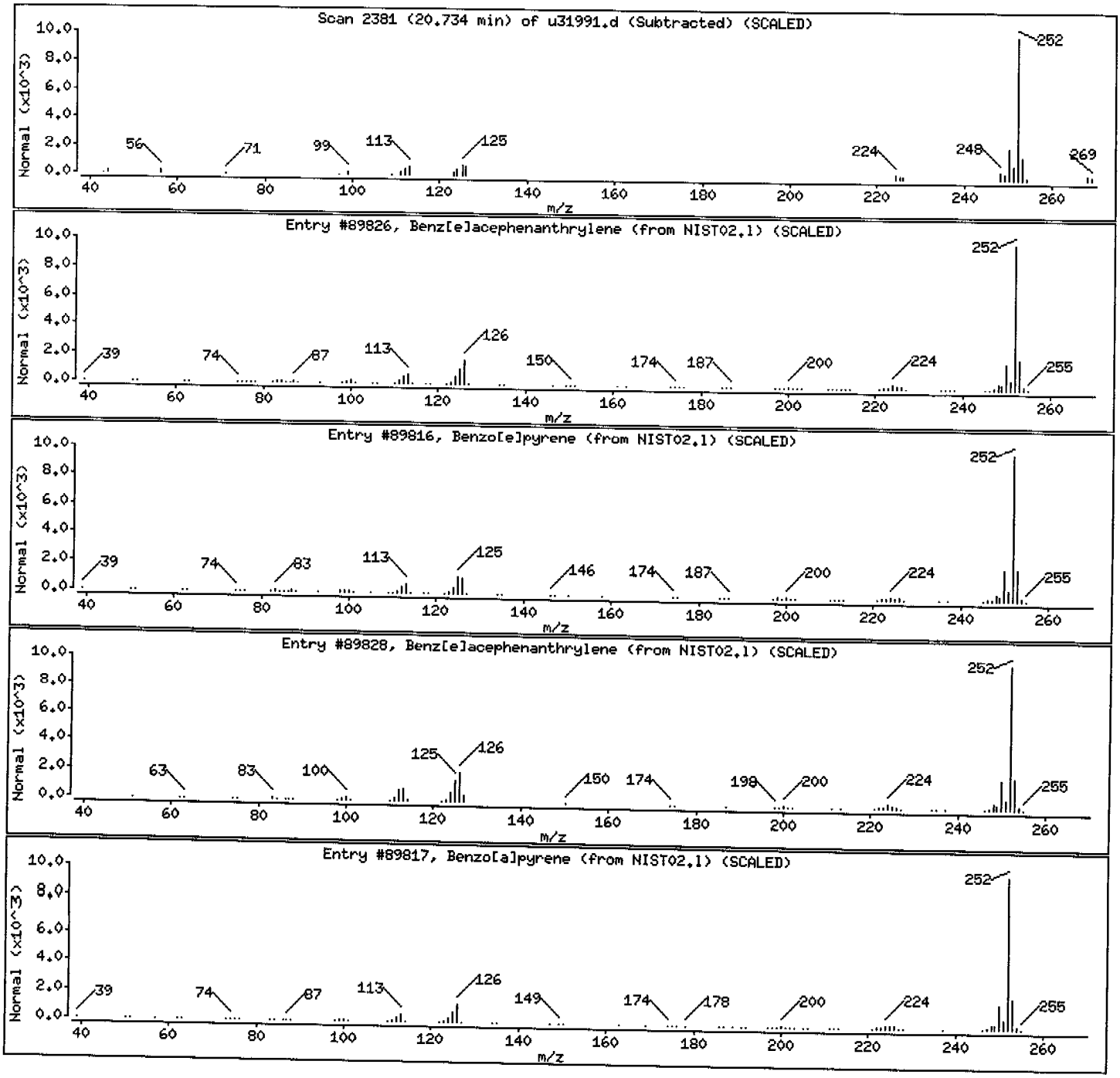
Client ID: B1401-SS02 Instrument: BNAMS4.i

Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89826	90	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	87	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89828	83	C20H12	252
Benzo[a]pyrene	50-32-8	NIST02.l	89817	81	C20H12	252



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Date : 15-SEP-2006 07:18

Client ID: B1401-SS02

Instrument: BNAMS4.i

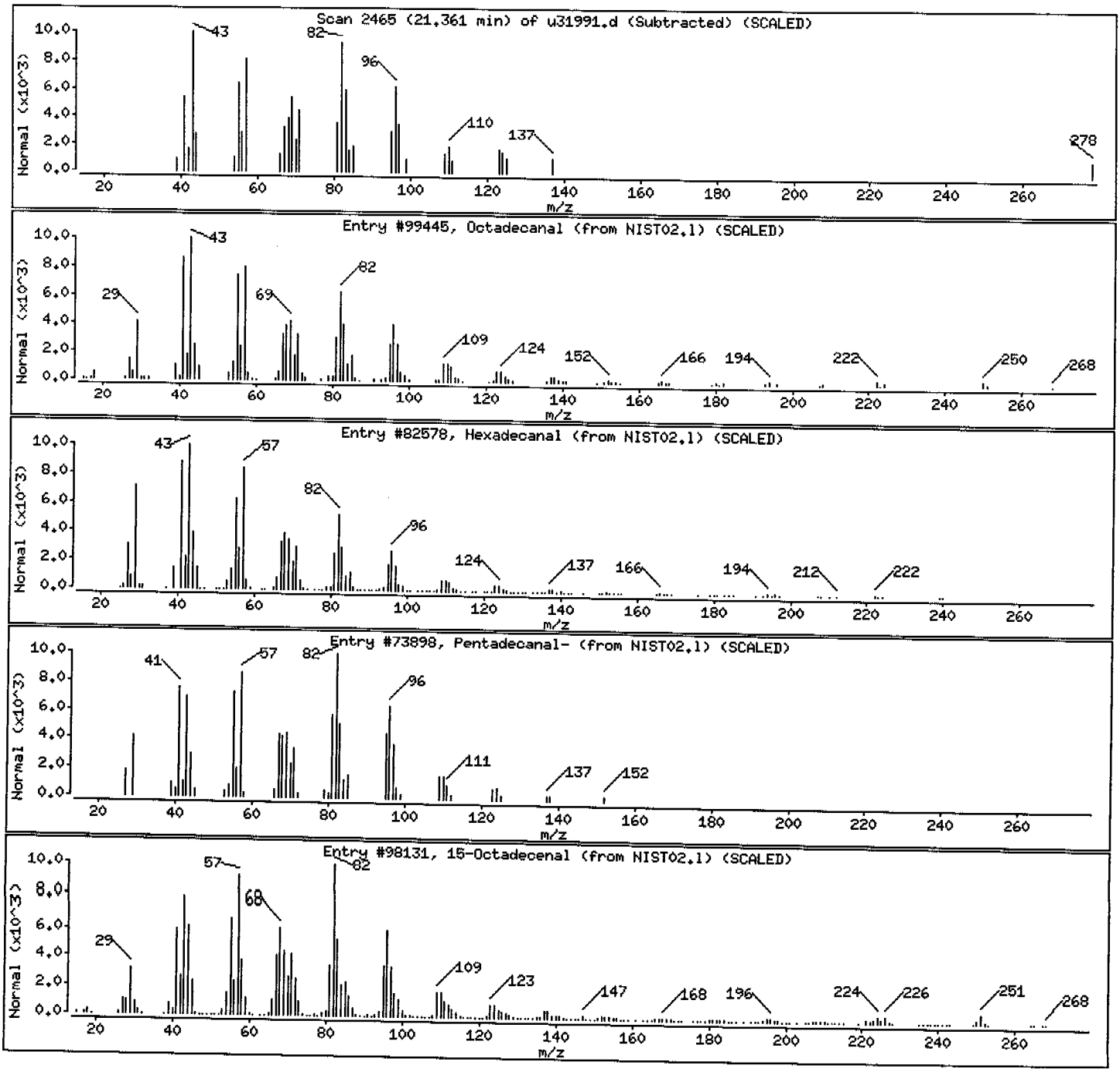
Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanal	638-66-4	NIST02.l	99445	90	C18H360	268
Hexadecanal	629-80-1	NIST02.l	82578	87	C16H320	240
Pentadecanal-	2765-11-9	NIST02.l	73898	74	C15H300	226
15-Octadecenal	56554-93-9	NIST02.l	98131	72	C18H340	266



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Date : 15-SEP-2006 07:18

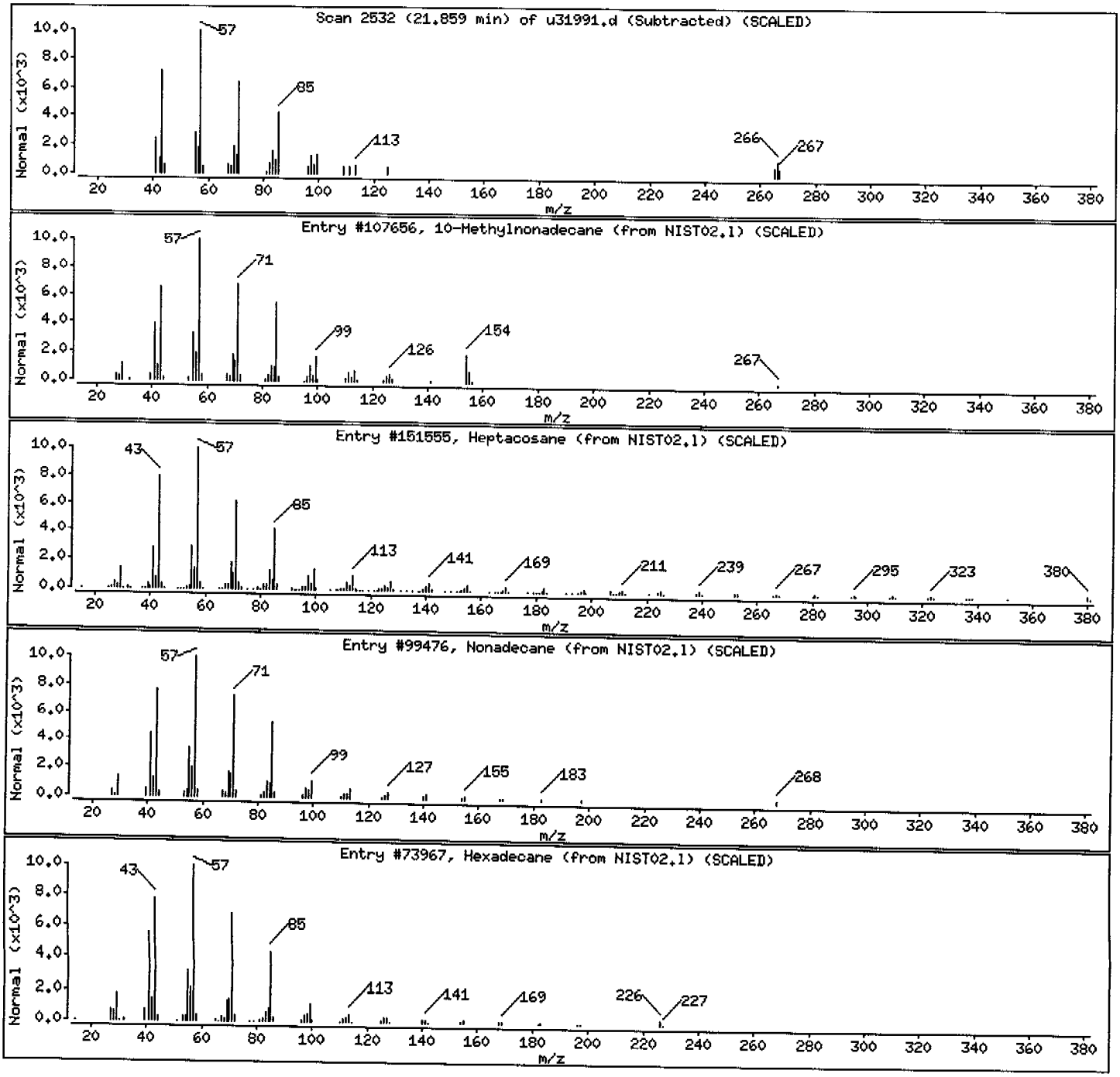
Client ID: B1401-SS02 Instrument: BNAMS4.i

Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
10-Methylnonadecane	56862-62-5	NIST02.l	107656	83	C20H42	282
Heptacosane	593-49-7	NIST02.l	151555	80	C27H56	380
Nonadecane	629-92-5	NIST02.l	99476	74	C19H40	268
Hexadecane	544-76-3	NIST02.l	73967	72	C16H34	226



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Date : 15-SEP-2006 07:18

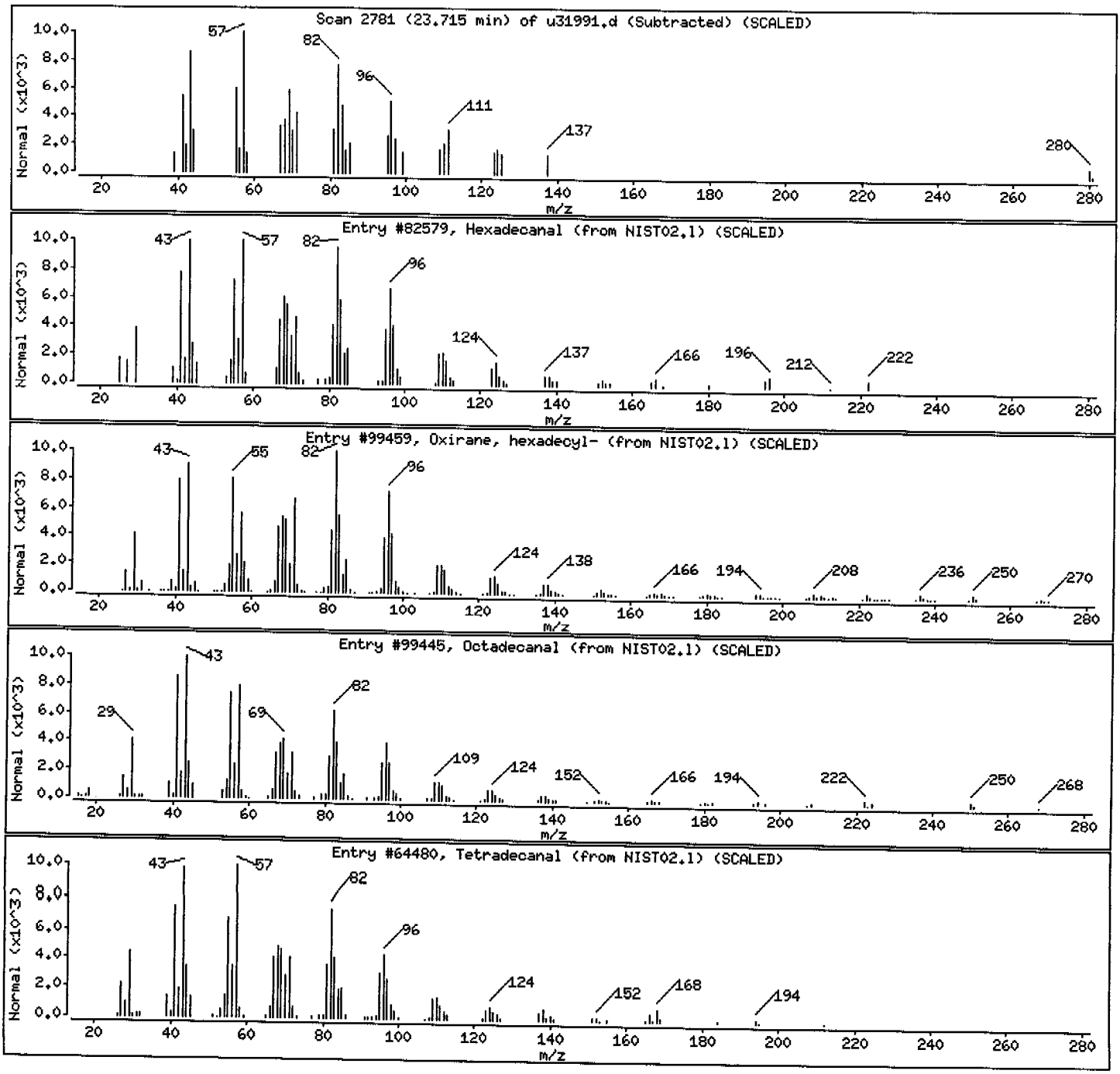
Client ID: B1401-SS02 Instrument: BNAMS4.i

Sample Info: 765433;3205468

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Hexadecanal	629-80-1	NIST02.l	82579	87	C16H320	240
Oxirane, hexadecyl-	7390-81-0	NIST02.l	99459	87	C18H360	268
Octadecanal	638-66-4	NIST02.l	99445	87	C18H360	268
Tetradecanal	124-25-4	NIST02.l	64480	86	C14H280	212



Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample No: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31992.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	360
1,3-Dichlorobenzene	ND	3600
1,4-Dichlorobenzene	ND	3600
1,2-Dichlorobenzene	ND	3600
bis(2-chloroisopropyl)ether	ND	3600
N-Nitroso-di-n-propylamine	ND	360
Hexachloroethane	ND	360
Nitrobenzene	ND	360
Isophorone	ND	3600
bis(2-Chloroethoxy)methane	ND	3600
1,2,4-Trichlorobenzene	ND	360
Naphthalene	ND	3600
4-Chloroaniline	ND	3600
Hexachlorobutadiene	ND	710
2-Methylnaphthalene	130 J	3600
Hexachlorocyclopentadiene	ND	3600
2-Chloronaphthalene	ND	3600
2-Nitroaniline	ND	7100
Dimethylphthalate	ND	3600
Acenaphthylene	ND	3600
2,6-Dinitrotoluene	ND	710
3-Nitroaniline	ND	7100
Acenaphthene	ND	3600
Dibenzofuran	ND	3600
2,4-Dinitrotoluene	ND	710
Diethylphthalate	ND	3600
4-Chlorophenyl-phenylether	ND	3600
Fluorene	110 J	3600
4-Nitroaniline	ND	7100
N-Nitrosodiphenylamine	ND	3600
4-Bromophenyl-phenylether	ND	3600
Hexachlorobenzene	ND	360
Phenanthrene	420 J	3600
Anthracene	ND	3600

Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample No: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31992.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3600
Di-n-butylphthalate	ND	3600
Fluoranthene	120 J	3600
Pyrene	370 J	3600
Butylbenzylphthalate	ND	3600
3,3'-Dichlorobenzidine	ND	7100
Benzo(a)anthracene	210 J	360
Chrysene	280 J	3600
bis(2-Ethylhexyl)phthalate	36000	3600
Di-n-octylphthalate	ND	3600
Benzo(b)fluoranthene	170 J	360
Benzo(k)fluoranthene	190 J	360
Benzo(a)pyrene	130 J	360
Indeno(1,2,3-cd)pyrene	ND	360
Dibenz(a,h)anthracene	ND	360
Benzo(g,h,i)perylene	ND	3600

Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample No: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31992.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 6.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	11.04	4700	
2.	Pentadecane	11.32	3400	
3.	Unknown Alkane	11.98	4200	
4.	Unknown Alkane	12.37	12000	
5.	Unknown Alkane	12.71	3400	
6.	Unknown Alkane	12.76	13000	
7.	Unknown Alkane	13.00	2800	
8.	Unknown Alkane	13.06	2200	
9.	Unknown	13.22	2300	
10.	Unknown Alkane	13.42	9200	
11.	Unknown Alkane	13.62	1800	
12.	Unknown Alkane	13.97	1900	
13.	Unknown	20.85	2600	
14.	Unknown	22.63	3900	
15.	Unknown	23.62	5400	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 72800

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d
Report Date: 21-Sep-2006 09:50

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d
Lab Smp Id: 765434 Client Smp ID: B1402-SS01
Inj Date : 15-SEP-2006 07:55
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 765434;3205485
Misc Info : W345;SB241;QA4554
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/8270C6-1.m
Meth Date : 15-Sep-2006 06:11 vanamans Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 14
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	6.70000	% Moisture

Cpnd Variable Local Compound Variable

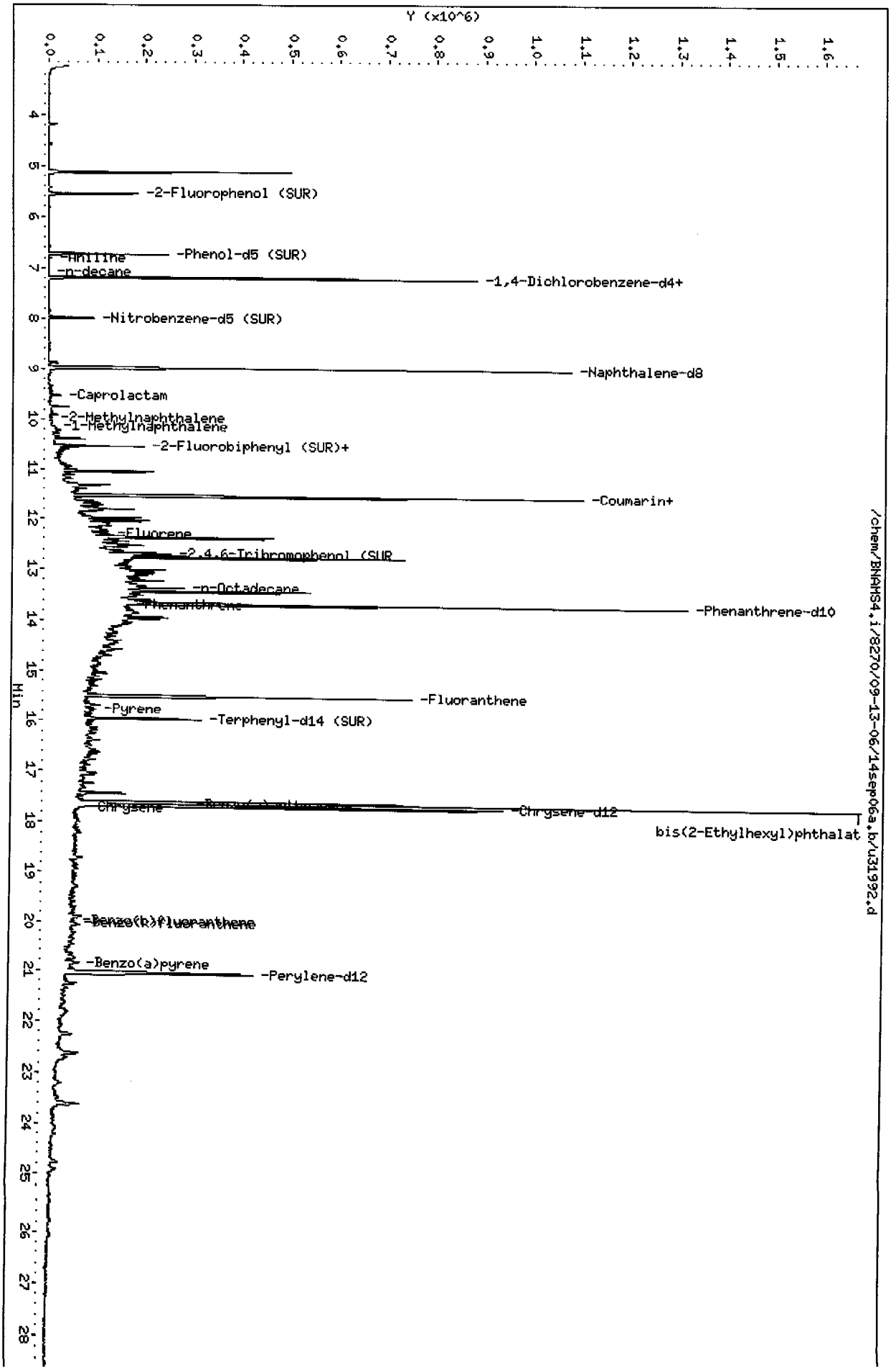
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.549	5.543	(0.772)	58489	9.35893	6700
$ 17 Phenol-d5 (SUR)	99	6.725	6.732	(0.935)	88104	10.3895	7400
* 79 1,4-Dichlorobenzene-d4	152	7.193	7.194	(1.000)	155635	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.994	8.001	(0.890)	40387	4.79318	3400(a)
* 80 Naphthalene-d8	136	8.981	8.980	(1.000)	625766	40.0000	
34 2-Methylnaphthalene	142	9.979	9.982	(1.111)	2163	0.17750	130(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.522	10.525	(0.912)	67892	6.19979	4400(R)
* 82 Acenaphthene-d10	164	11.535	11.532	(1.000)	337145	40.0000	
47 Fluorene	166	12.296	12.307	(1.066)	1715	0.15441	110(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	12.682	12.689	(1.099)	13280	5.12555	3700
* 83 Phenanthrene-d10	188	13.669	13.668	(1.000)	562165	40.0000	
52 Phenanthrene	178	13.699	13.706	(1.002)	9107	0.59054	420(a)
56 Fluoranthene	202	15.492	15.440	(1.133)	3596	0.17311	120(a)

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d
Report Date: 21-Sep-2006 09:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	57 Pyrene	202	15.766	15.776	(0.892)	10247	0.51253	370(a)
$	78 Terphenyl-d14 (SUR)	244	15.950	15.954	(0.903)	93509	6.56669	4700
	63 bis(2-Ethylhexyl)phthalate	149	17.606	17.593	(0.997)	699229	50.2313	36000
	61 Benzo(a)anthracene	228	17.620	17.629	(0.997)	5025	0.29344	210(a)
*	81 Chrysene-d12	240	17.665	17.666	(1.000)	647767	40.0000	
	62 Chrysene	228	17.701	17.719	(1.002)	6667	0.39500	280(a)
	65 Benzo(b)fluoranthene	252	19.991	20.017	(0.950)	4099	0.24042	170(a)
	66 Benzo(k)fluoranthene	252	20.035	20.077	(0.952)	5298	0.26846	190(a)
	67 Benzo(a)pyrene	252	20.868	20.903	(0.991)	2562	0.18129	130(a)
*	84 Perylene-d12	264	21.054	21.060	(1.000)	425311	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.


Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d
Date : 15-SEP-2006 07:55
Client ID: B1402-SS01
Sample Info: 765434;3205485
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Aniline
-Phenol-d5 (SUR)
-n-decane
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-Caprolactam
-2-Methylnaphthalene
-1-Methylnaphthalene
-2-Fluorobiphenyl (SUR)+
-Coumarin+
-Fluorene
-2,4,6-Tribromophenol (SUR
-n-Octadecane
-Phenanthrene
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene
-Chrysene-d12
bis(2-Ethylhexyl)phthalat
/chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

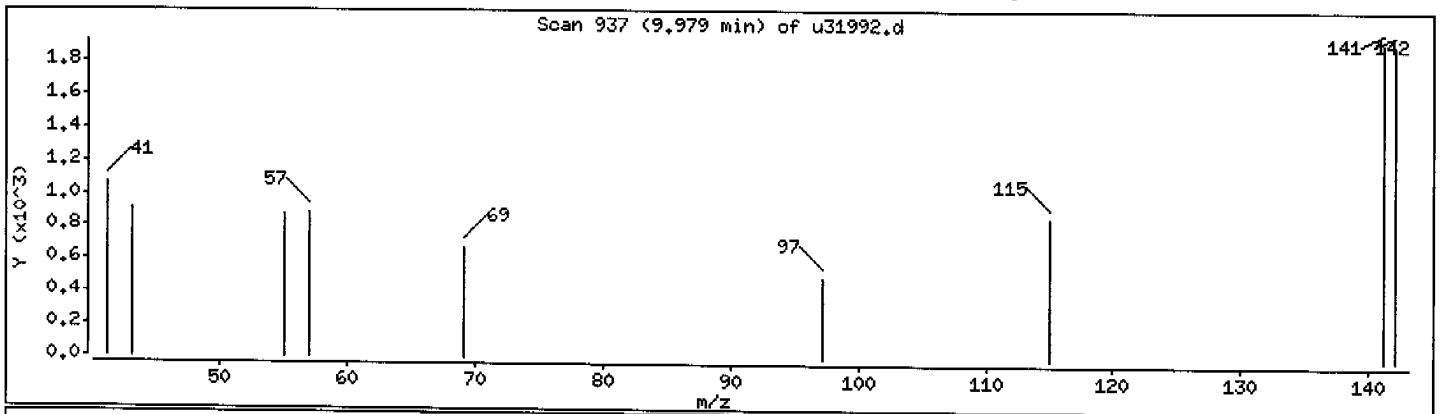
Client ID: B1402-SS01 Instrument: BNAMS4.i

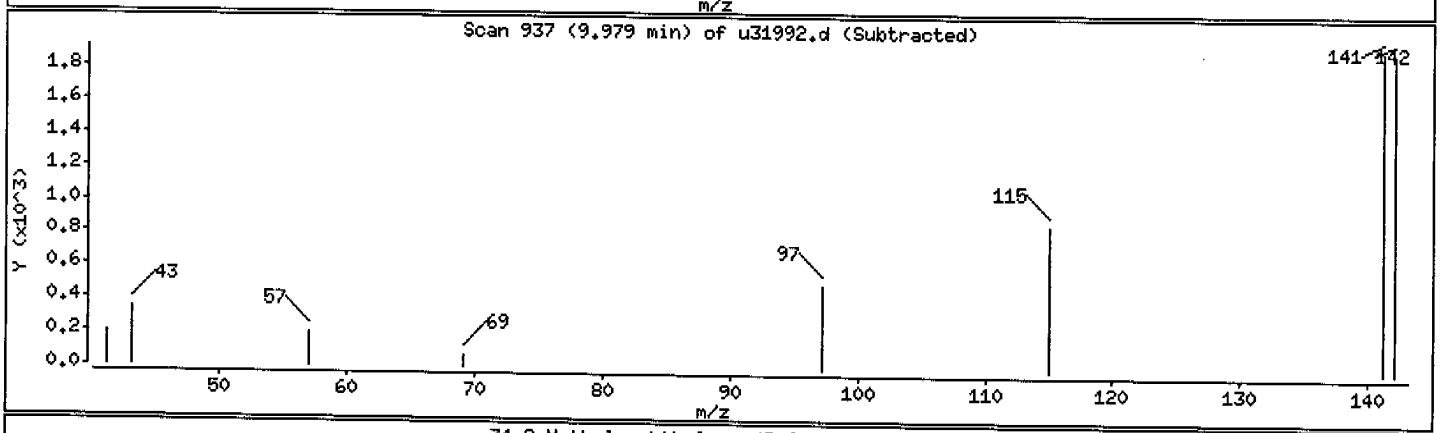
Sample Info: 765434;3205485

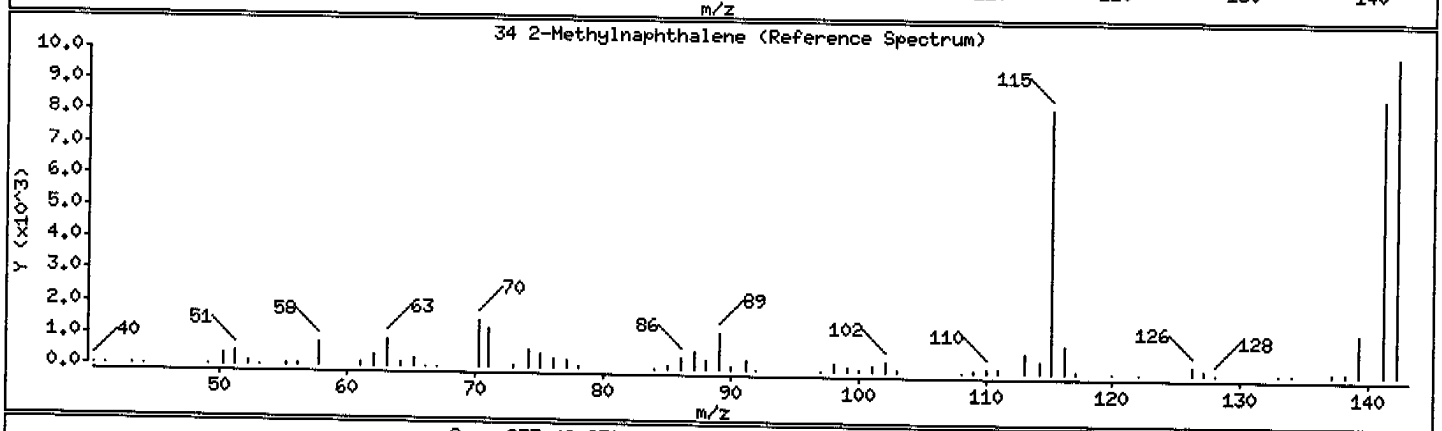
Operator: BNAMS 4

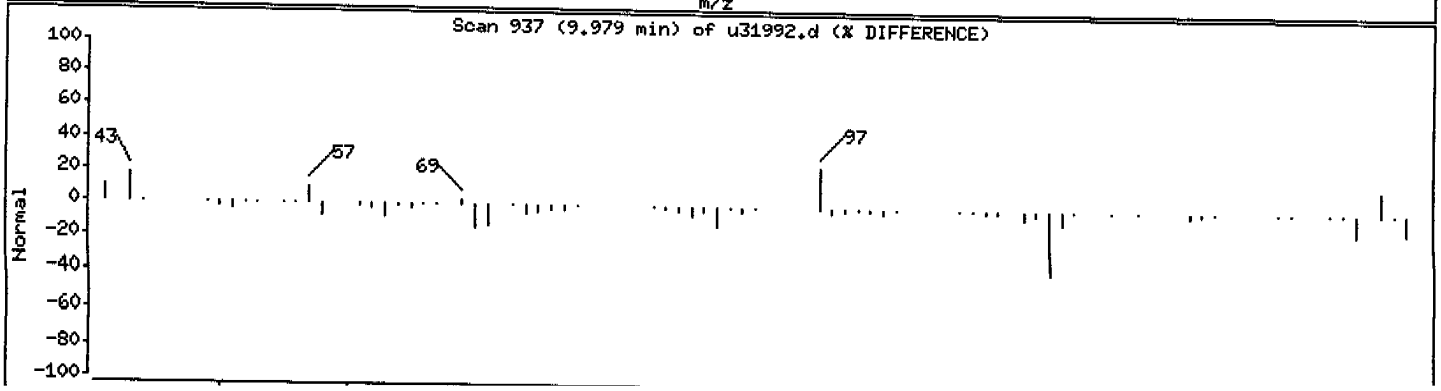
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 130 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

Sample Info: 765434;3205485

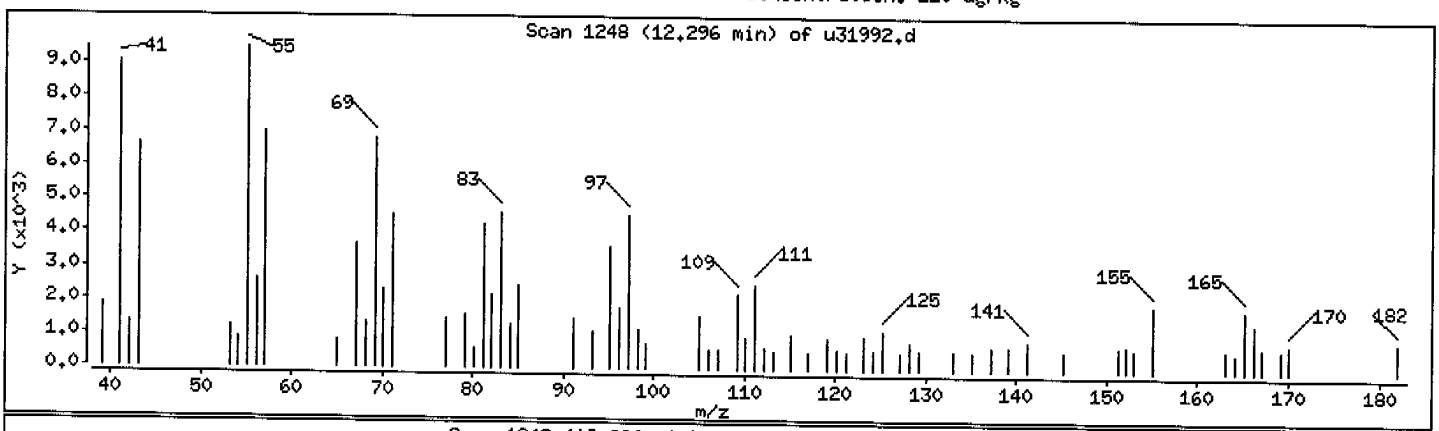
Operator: BNAMS 4

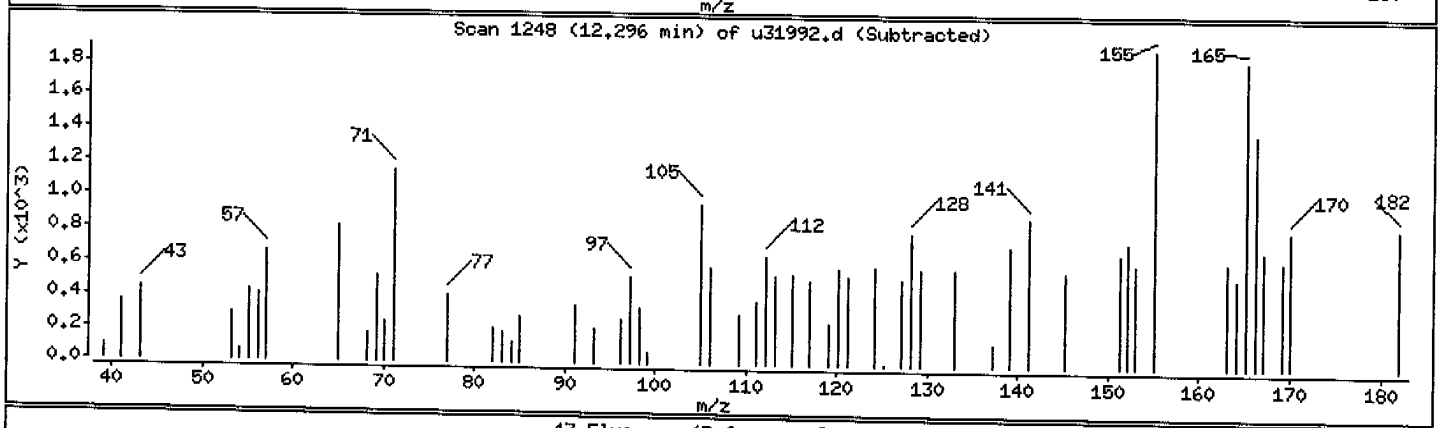
Column phase: DB-5

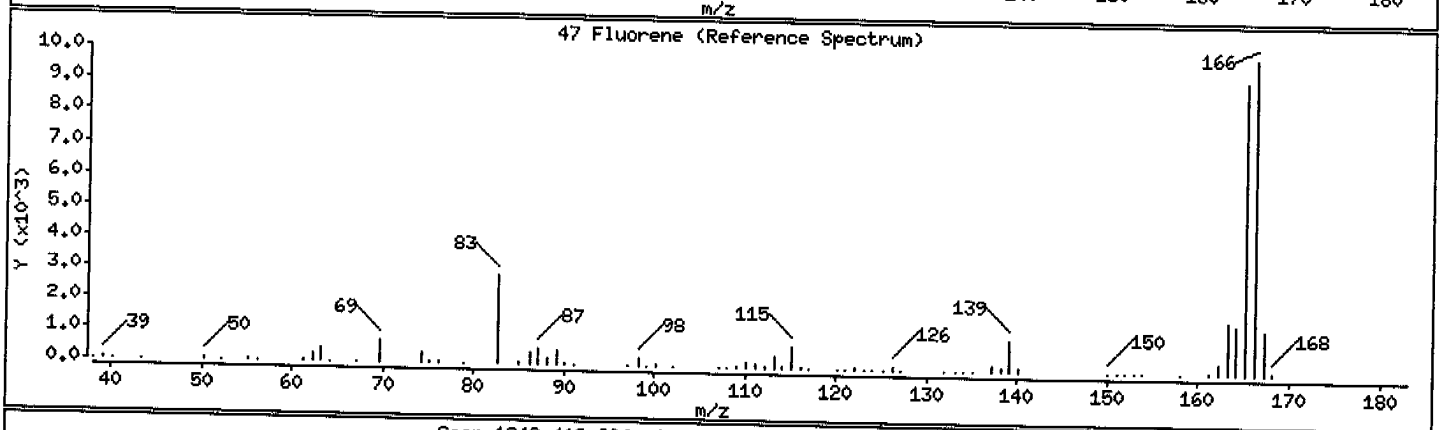
Column diameter: 0.25

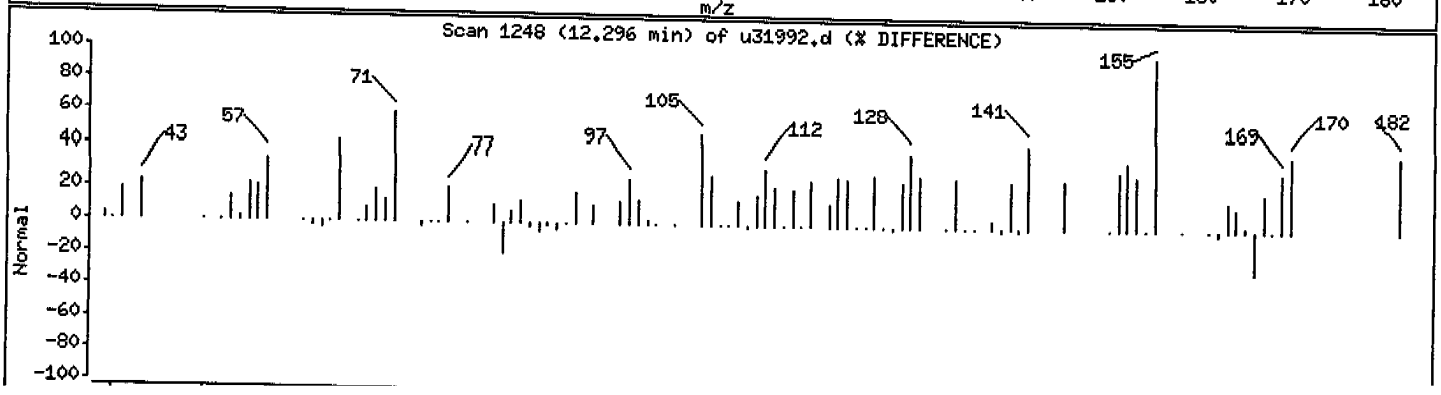
47 Fluorene

Concentration: 110 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

Sample Info: 765434;3205485

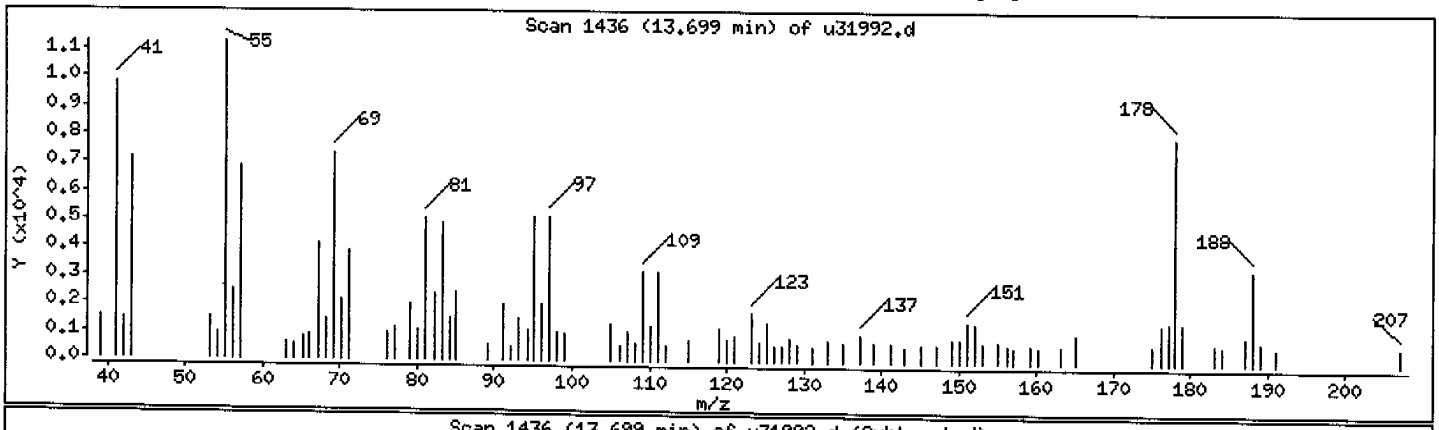
Operator: BNAMS 4

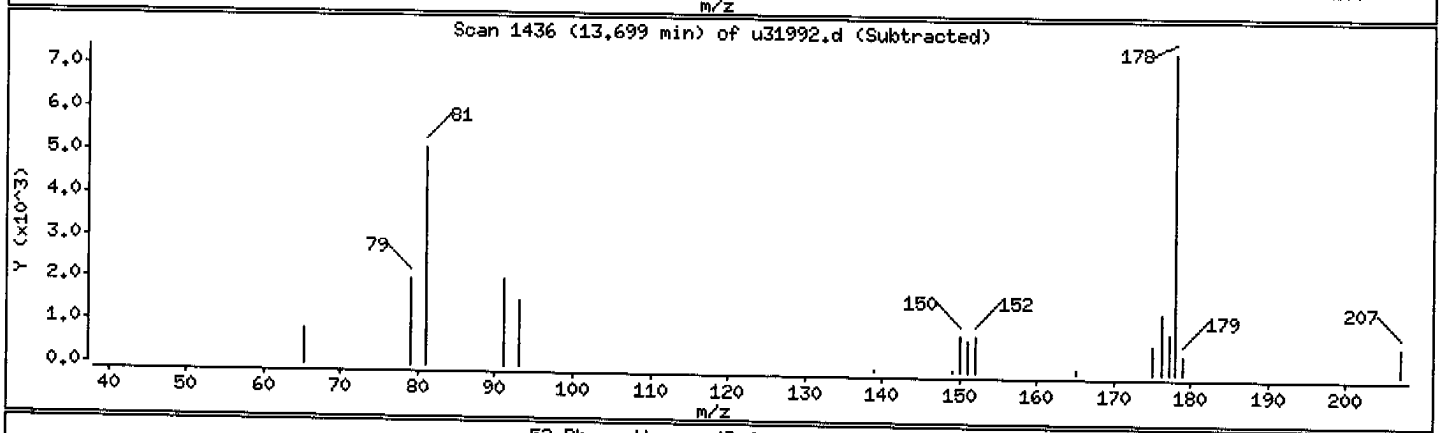
Column phase: DB-5

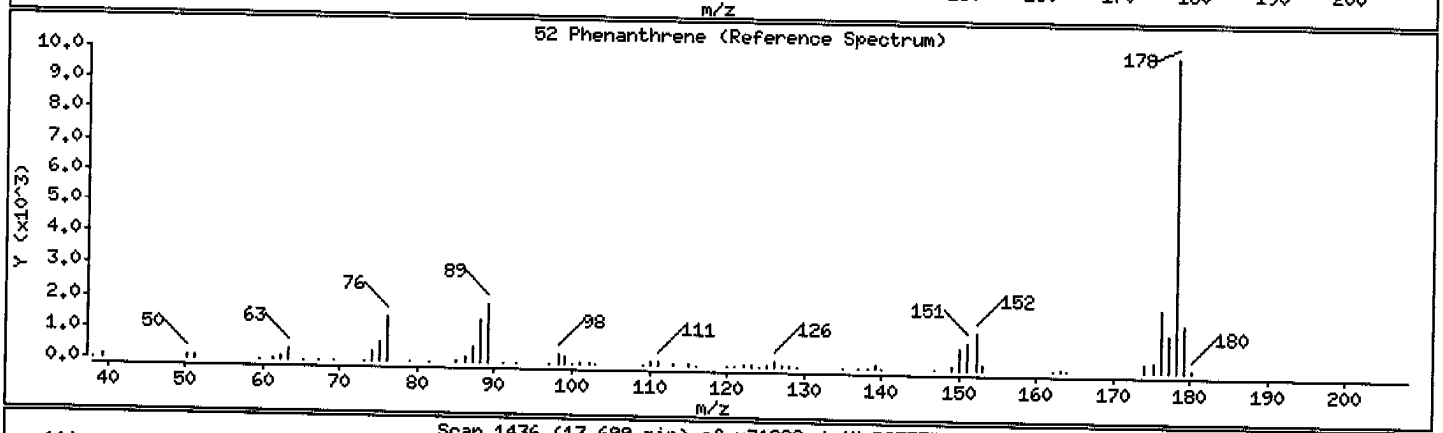
Column diameter: 0.25

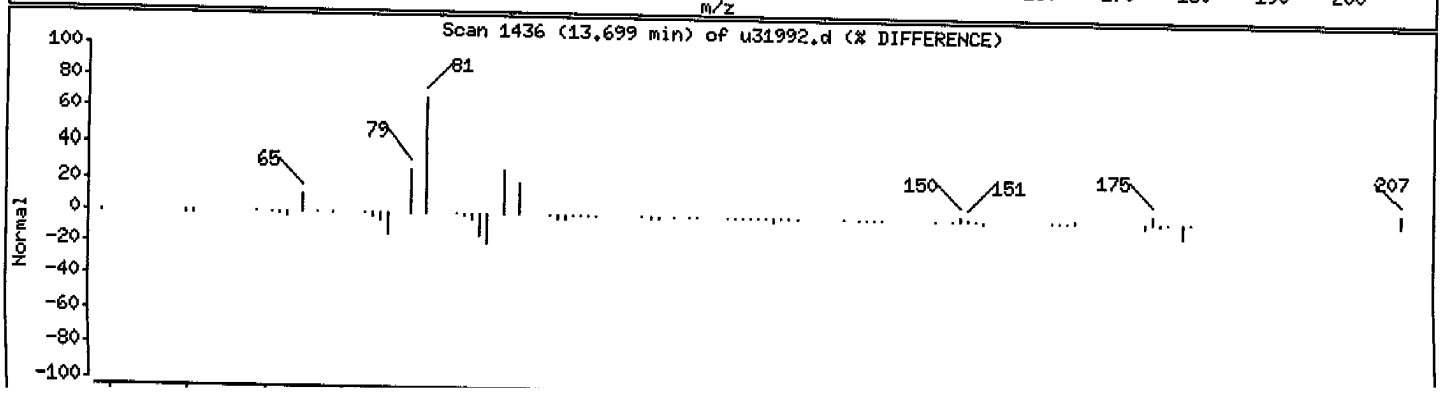
52 Phenanthrene

Concentration: 420 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

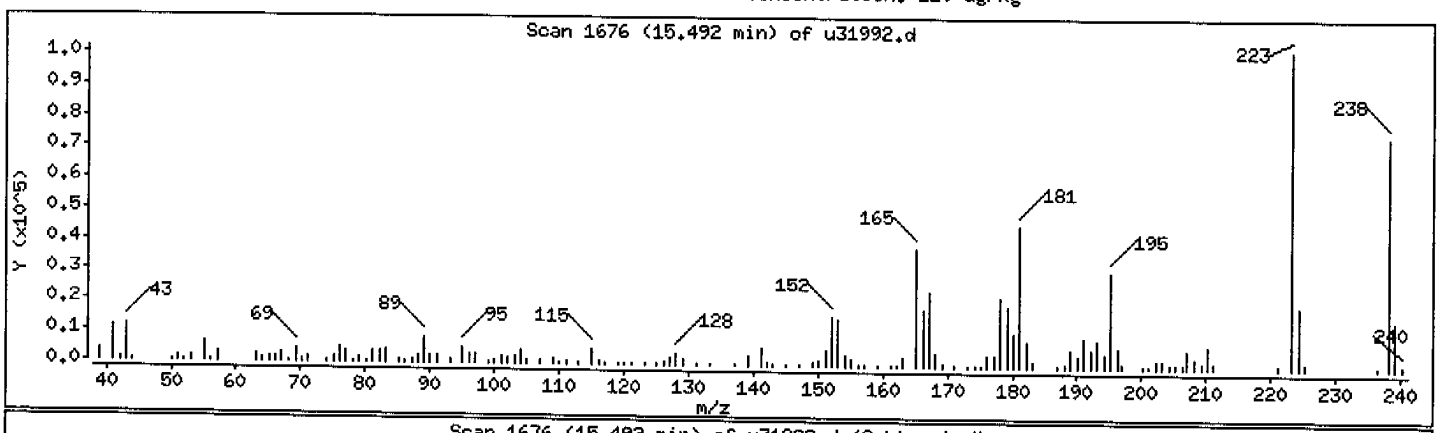
Client ID: B1402-SS01 Instrument: BNAMS4.i

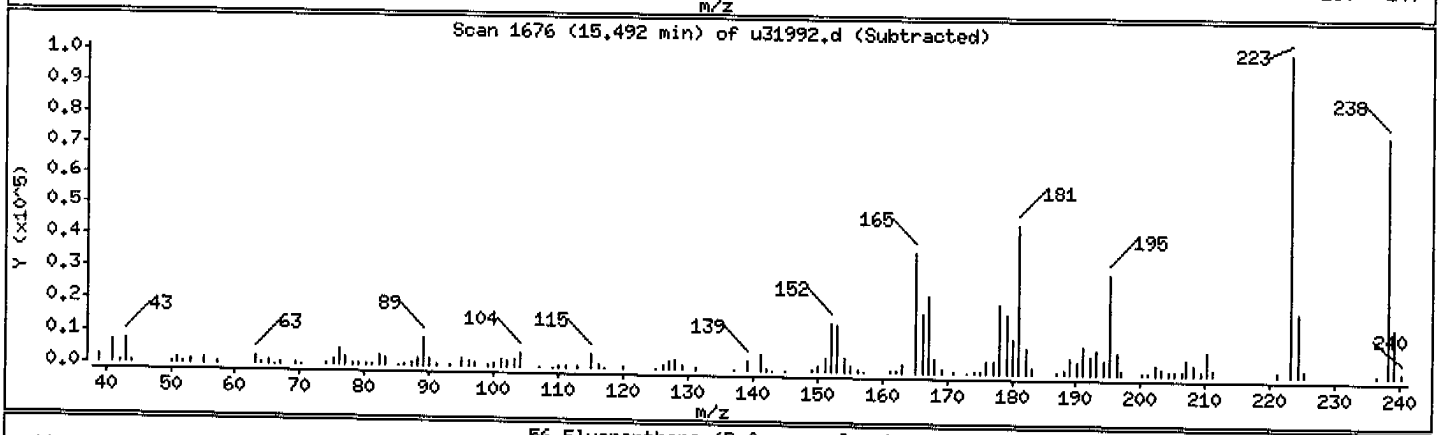
Sample Info: 765434;3205485

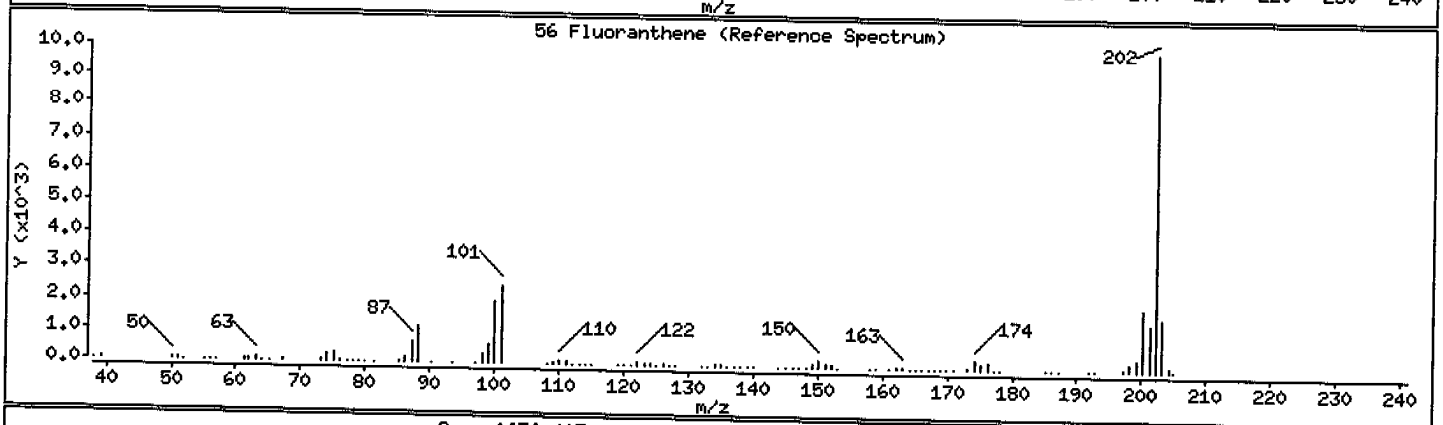
Operator: BNAMS 4

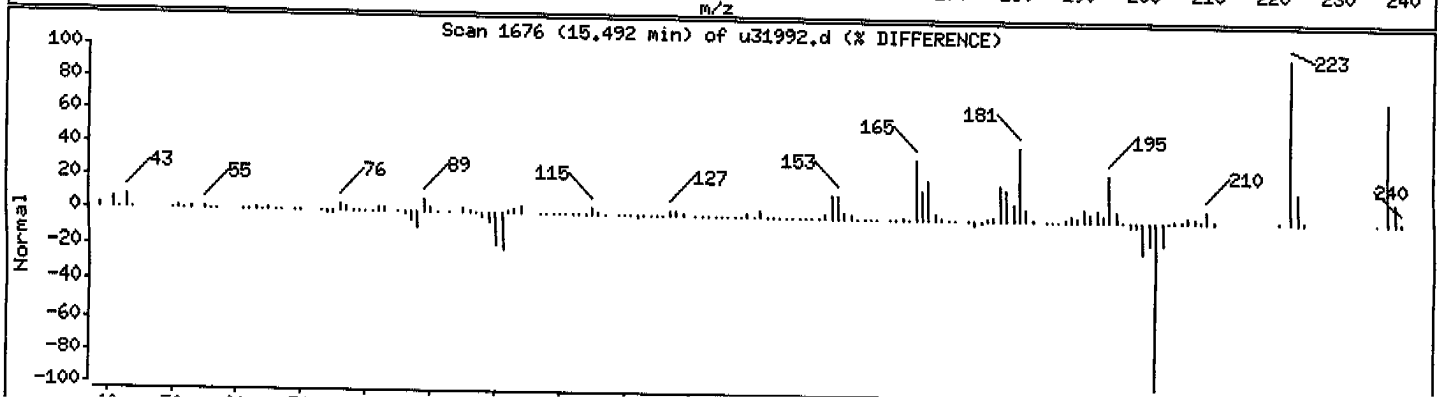
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 120 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

Sample Info: 765434;3205485

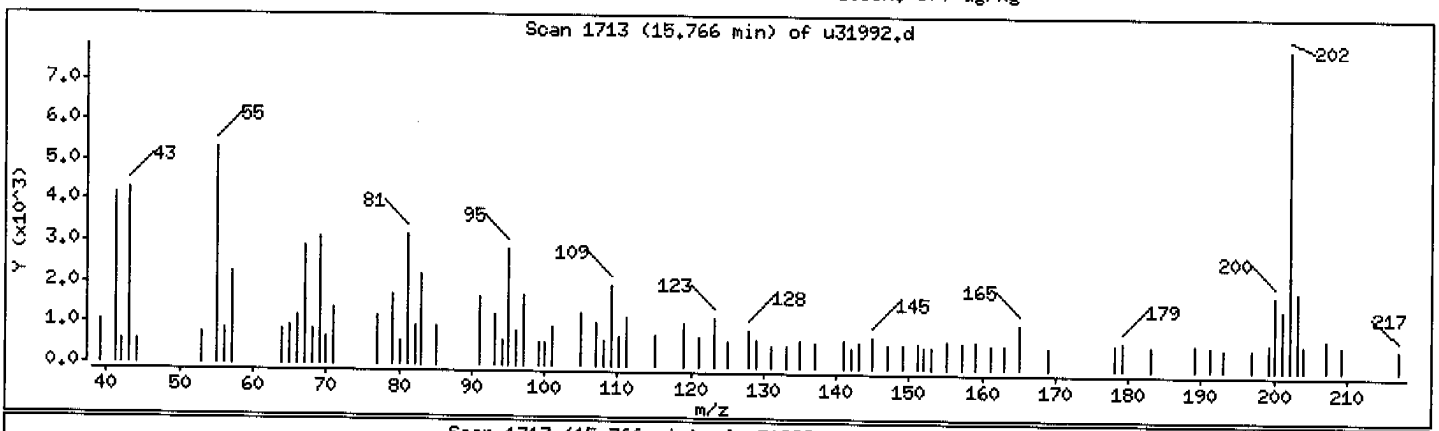
Operator: BNAMS 4

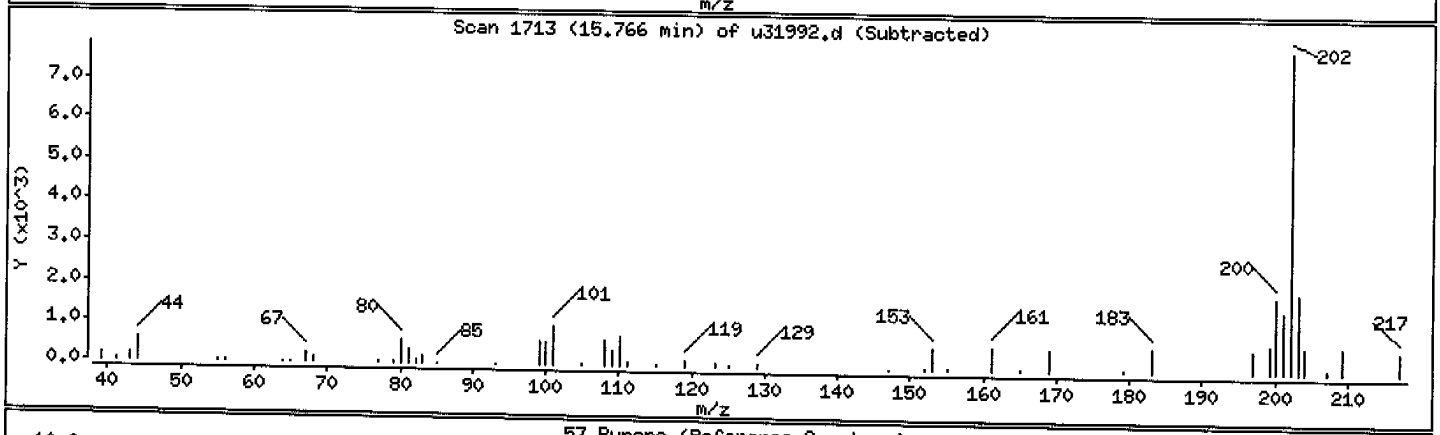
Column phase: DB-5

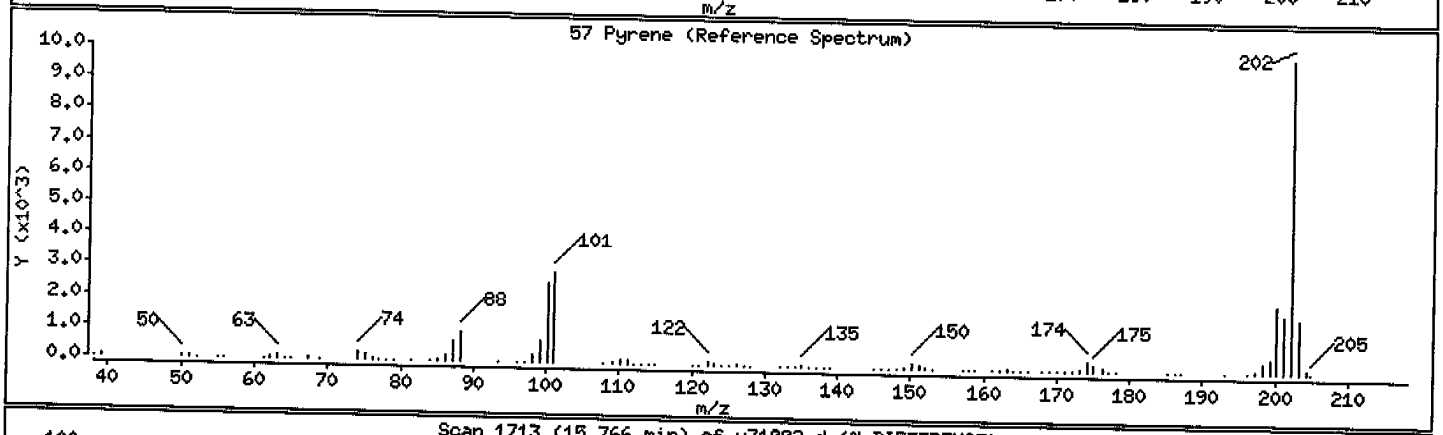
Column diameter: 0.25

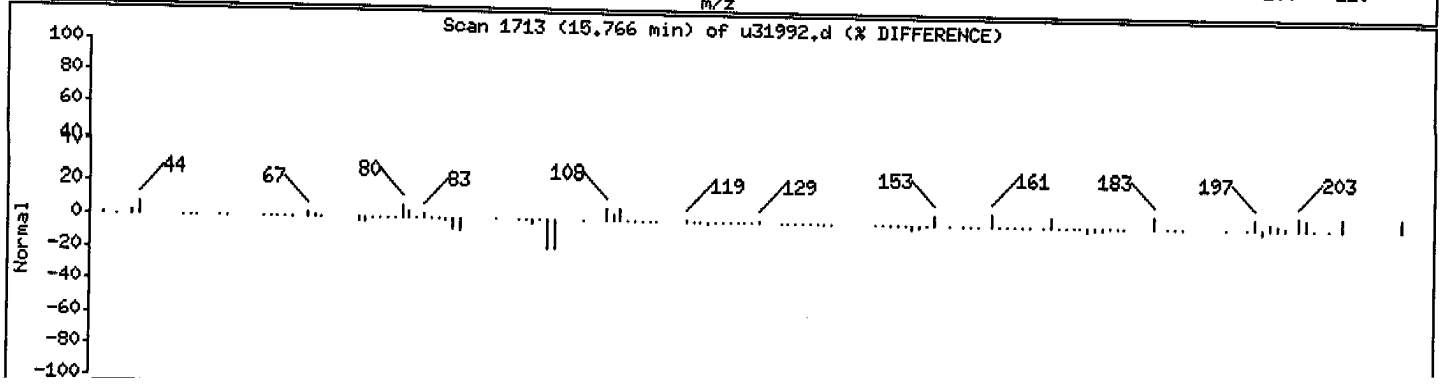
57 Pyrene

Concentration: 370 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

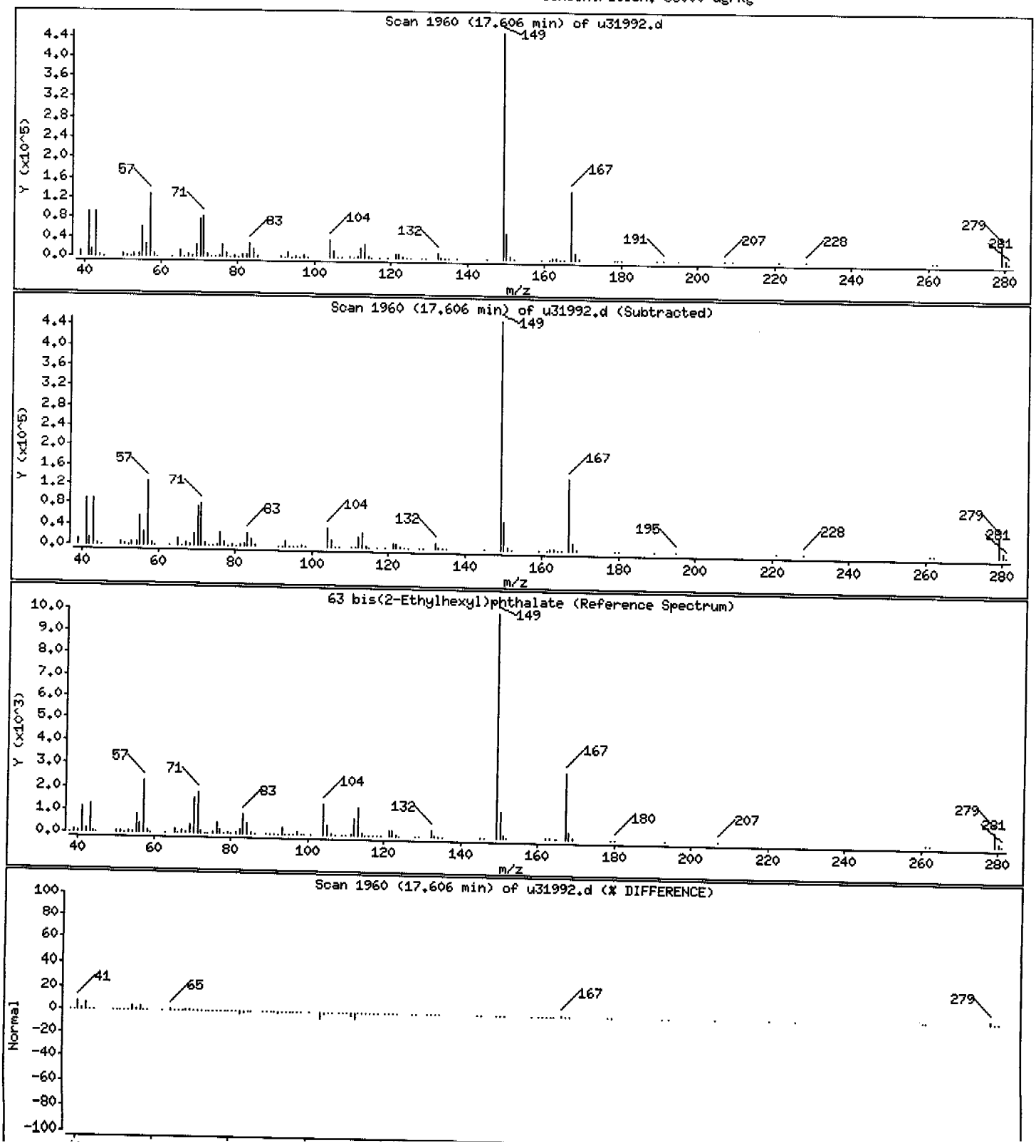
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 36000 ug/Kg



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Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

Sample Info: 765434;3205485

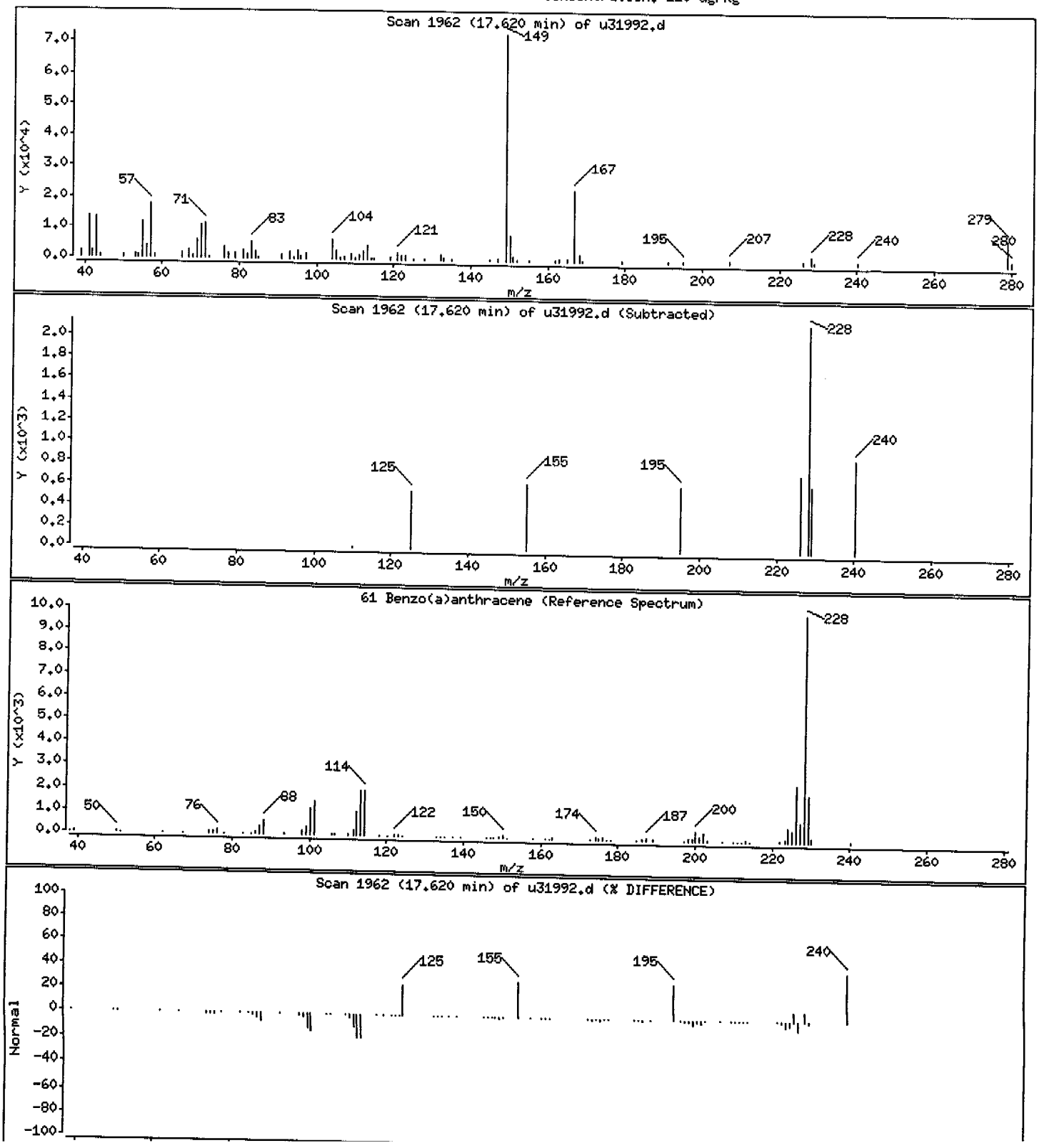
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 210 ug/Kg



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Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

Sample Info: 765434;3205485

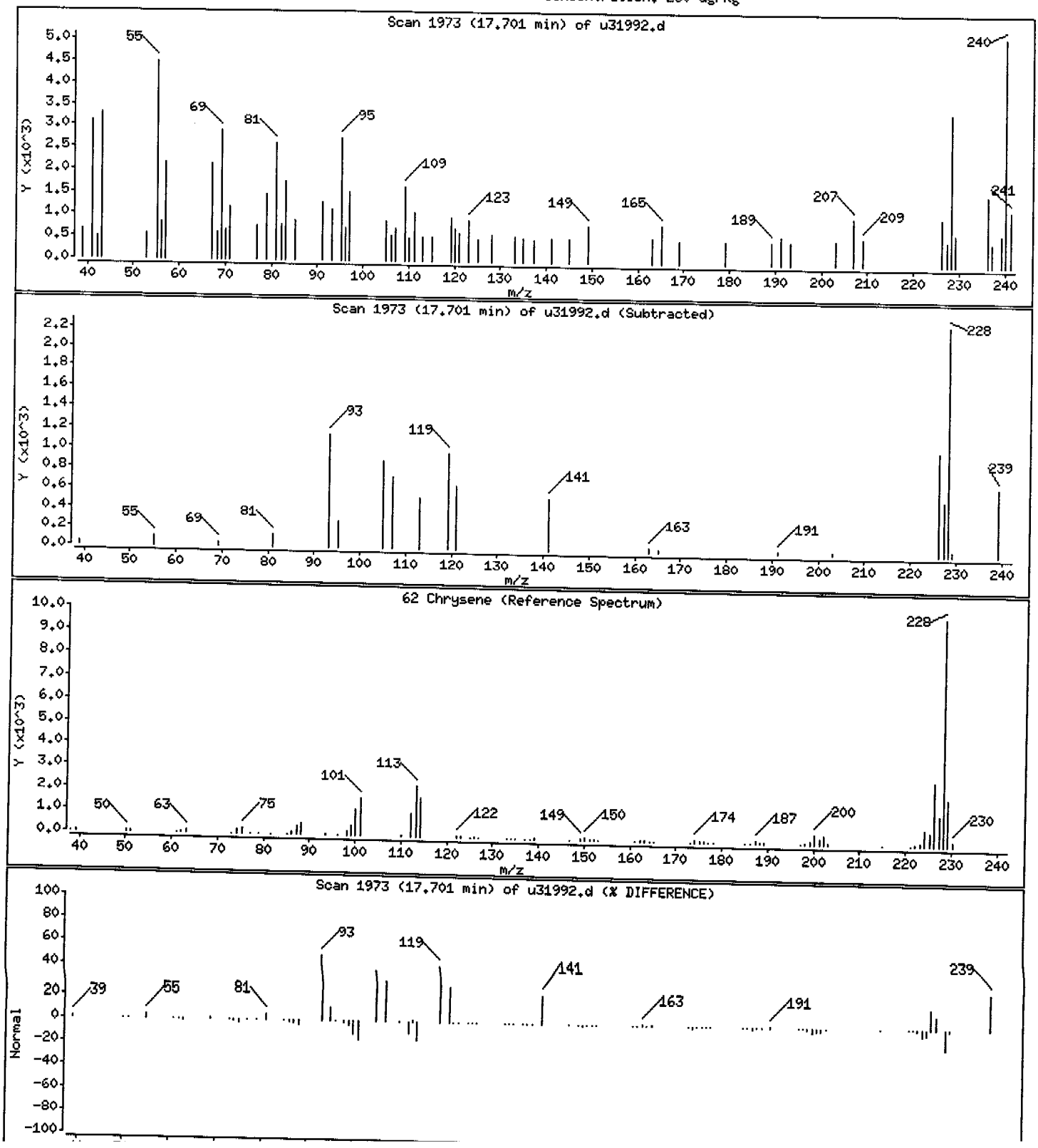
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

62 Chrysene

Concentration: 280 ug/Kg



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Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

Sample Info: 765434;3205485

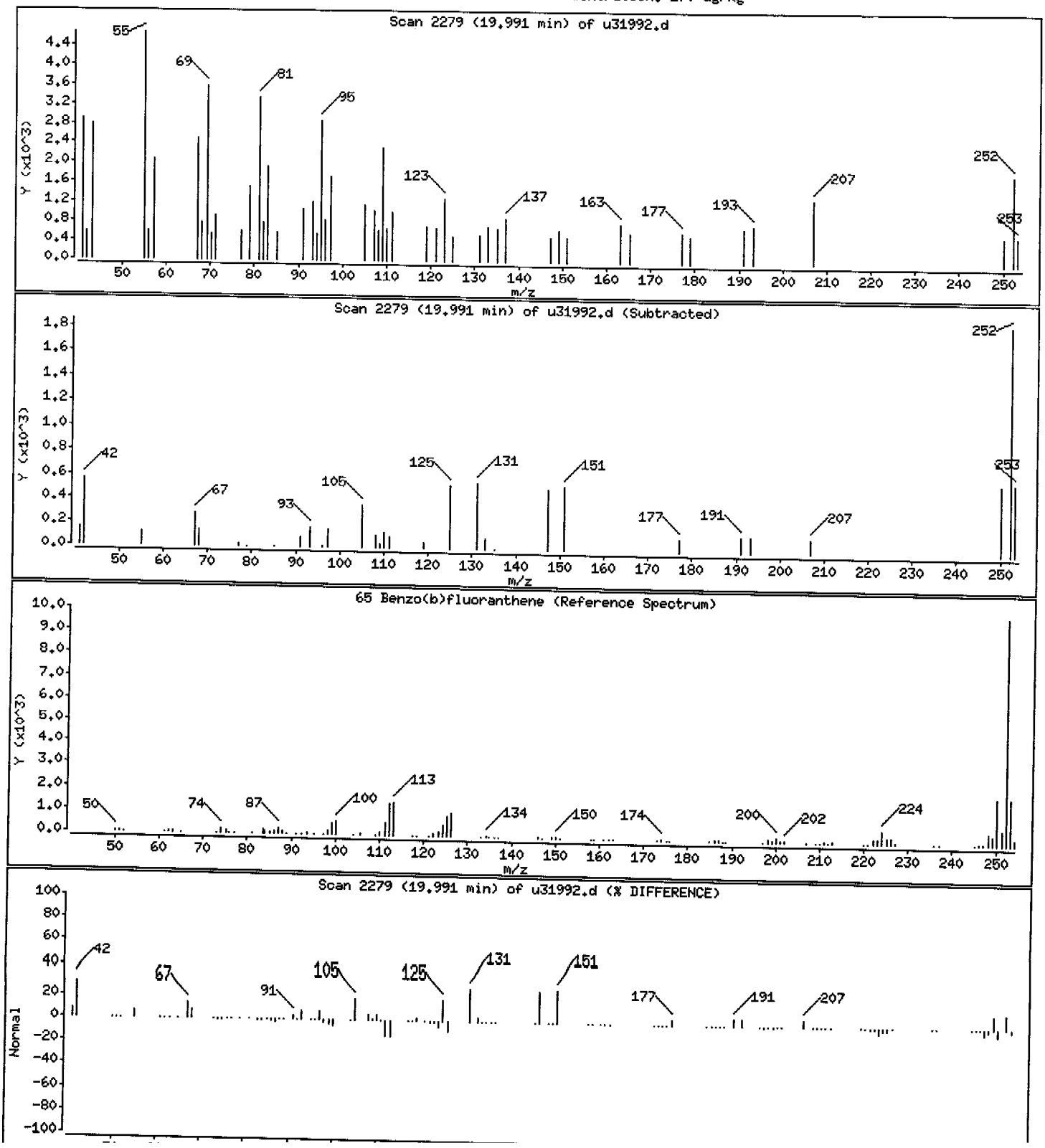
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 170 ug/Kg



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

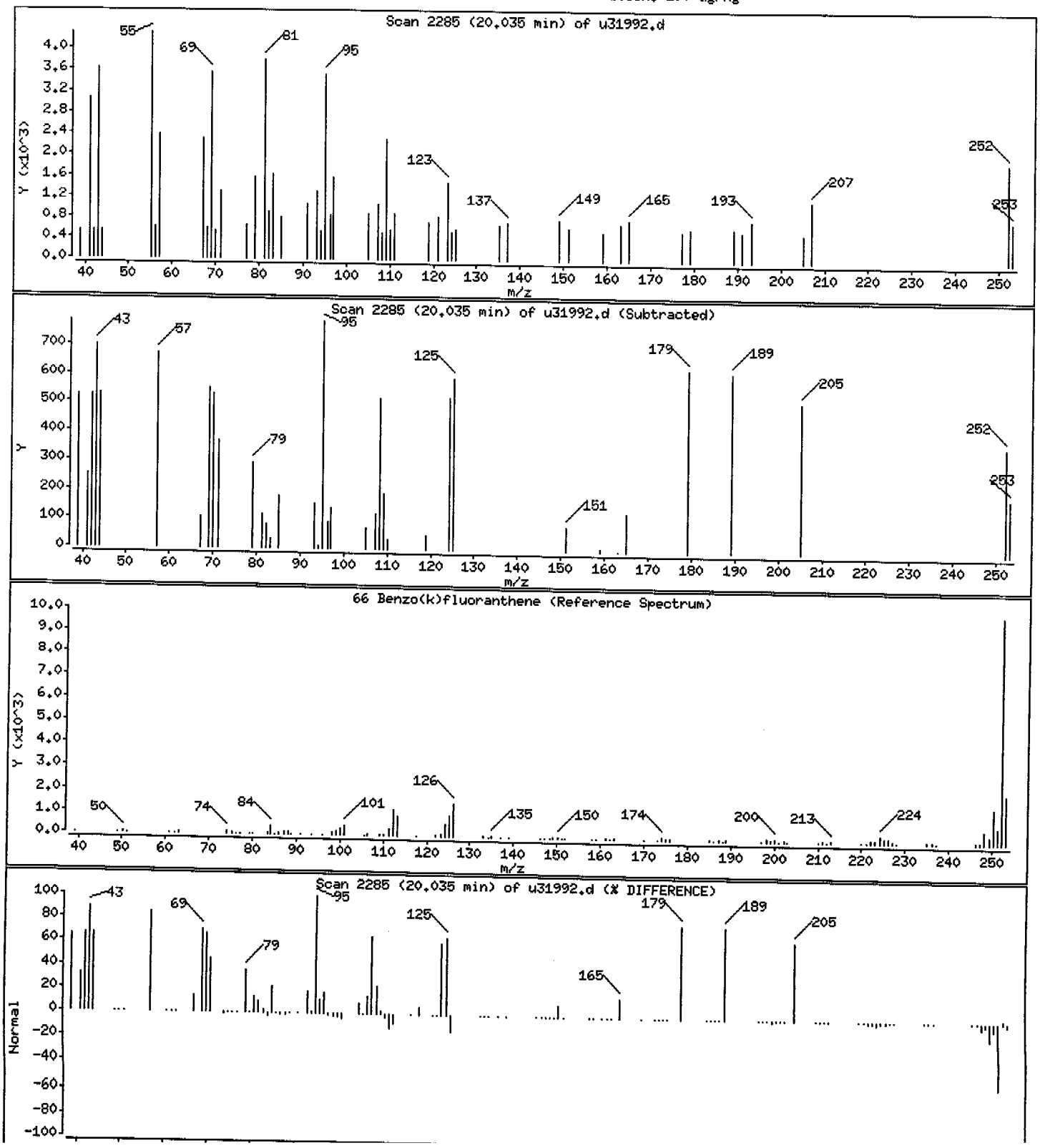
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 190 ug/Kg



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Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

Sample Info: 765434;3205485

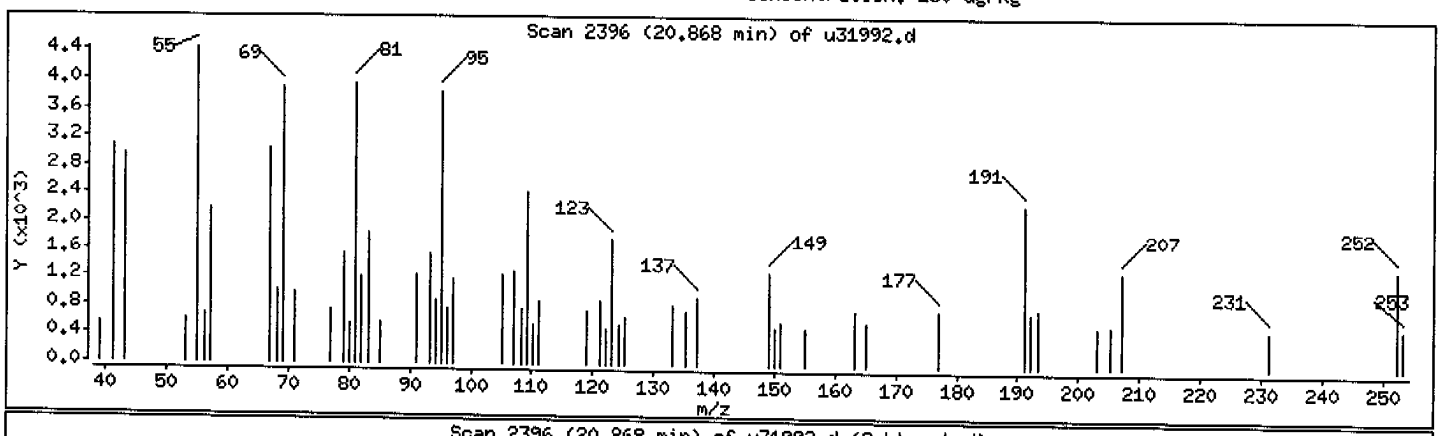
Operator: BNAMS 4

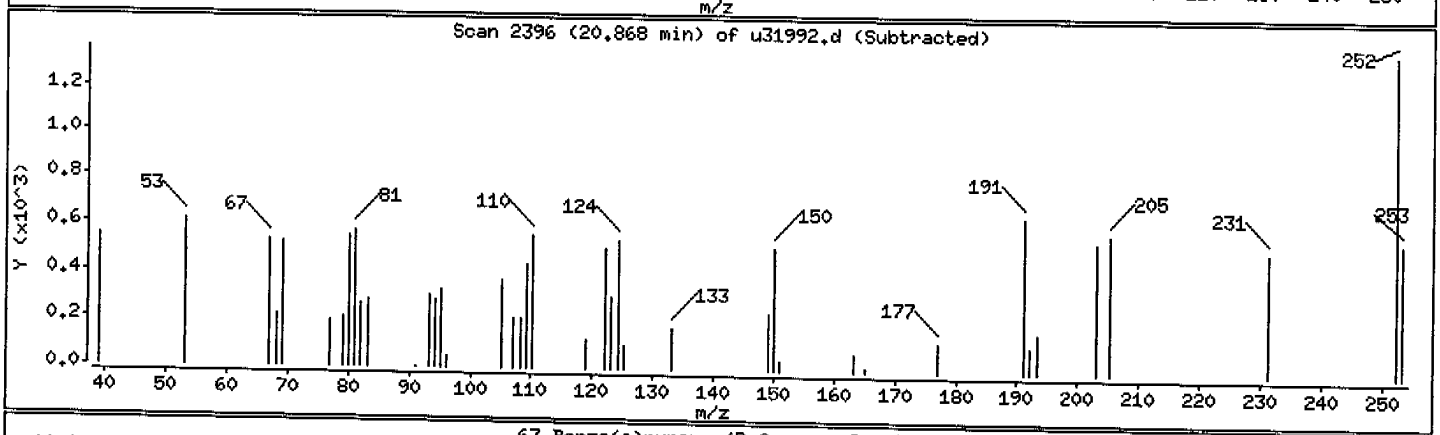
Column phase: DB-5

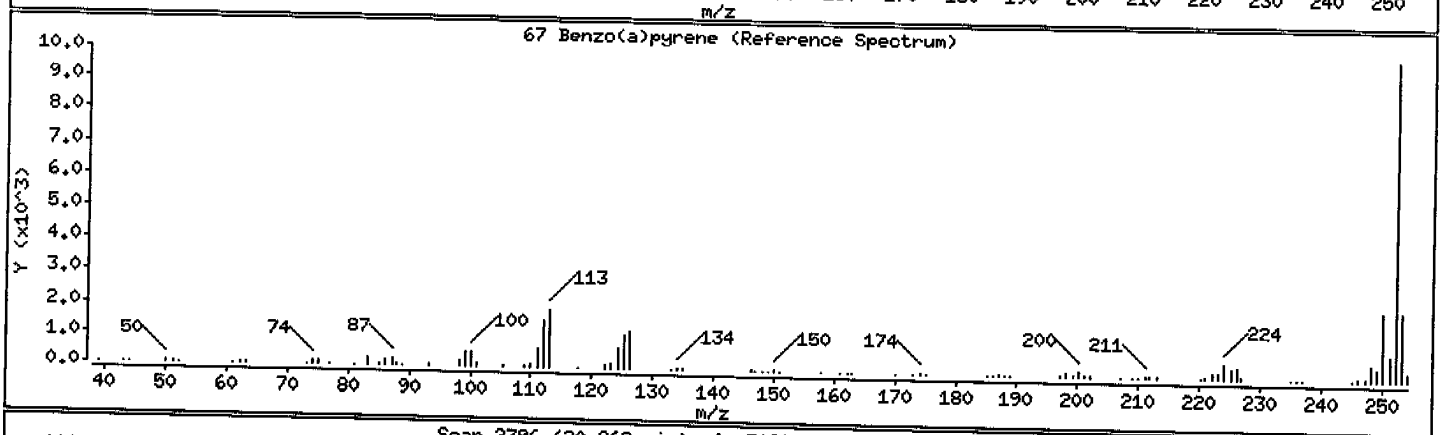
Column diameter: 0.25

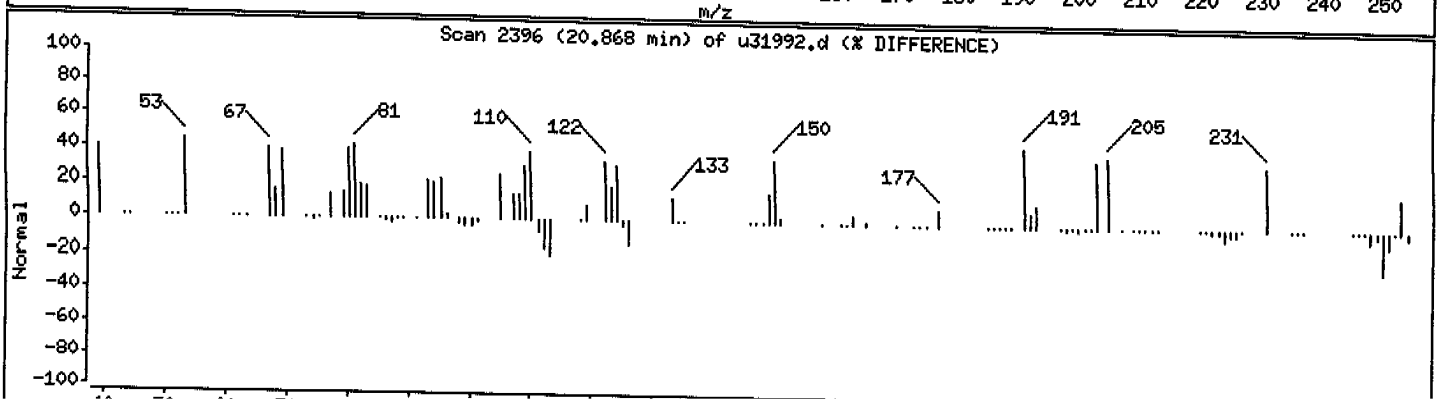
67 Benzo(a)pyrene

Concentration: 130 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

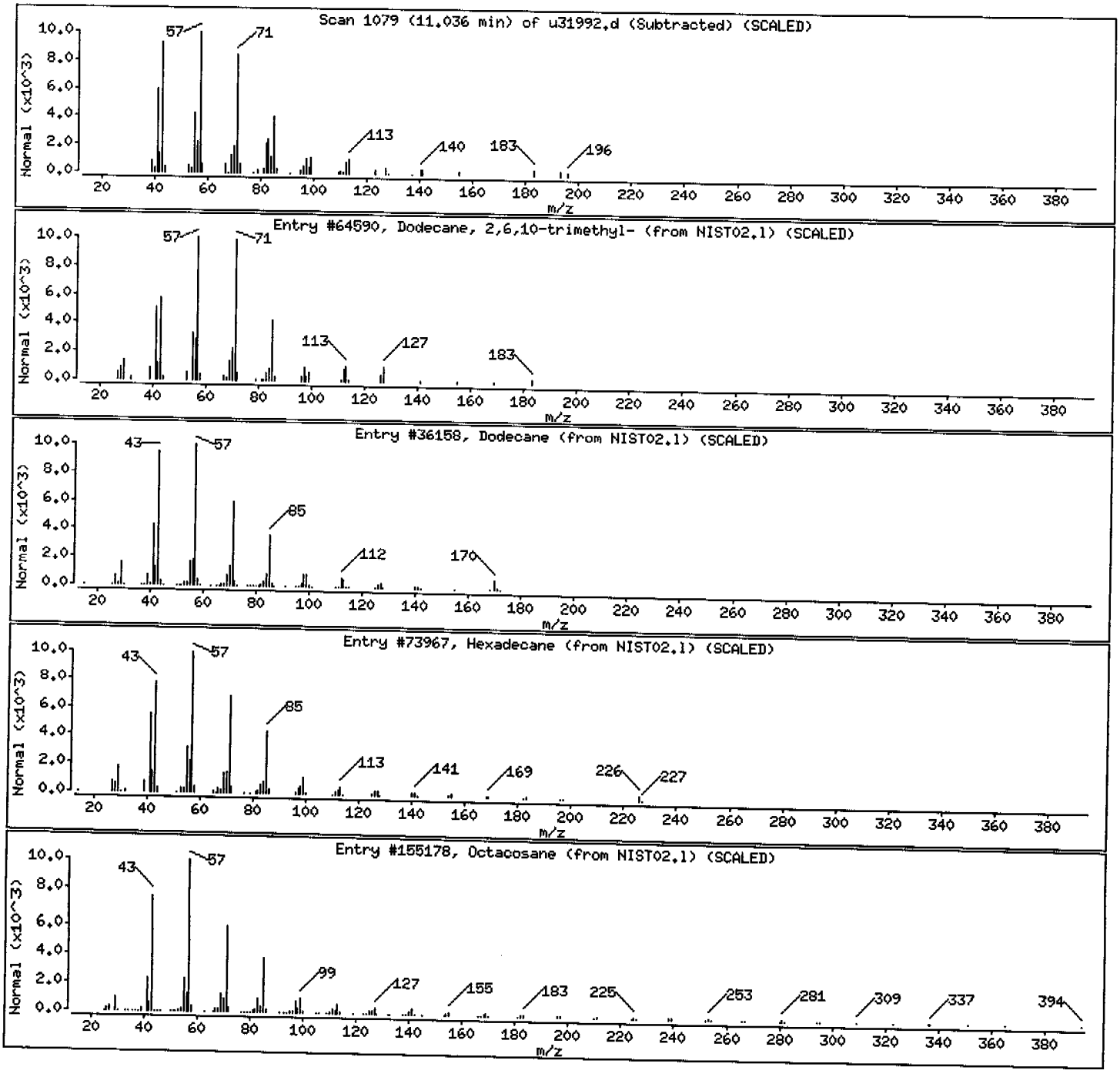
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	74	C15H32	212
Dodecane	112-40-3	NIST02.l	36158	72	C12H26	170
Hexadecane	544-76-3	NIST02.l	73967	72	C16H34	226
Octacosane	630-02-4	NIST02.l	155178	72	C28H58	394



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

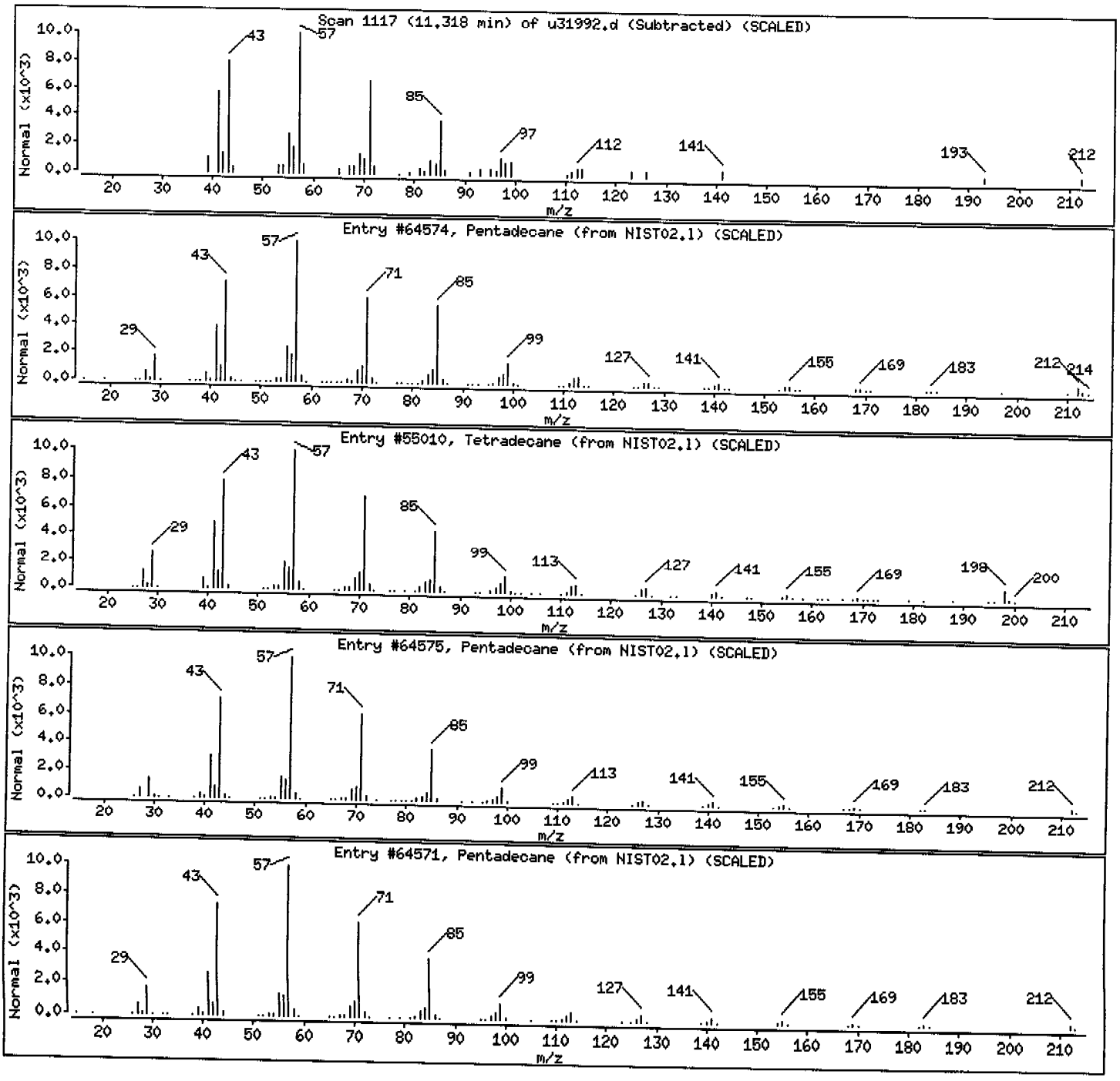
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentadecane	629-62-9	NIST02.l	64574	93	C15H32	212
Tetradecane	629-59-4	NIST02.l	55010	80	C14H30	198
Pentadecane	629-62-9	NIST02.l	64575	87	C15H32	212
Pentadecane	629-62-9	NIST02.l	64571	81	C15H32	212



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

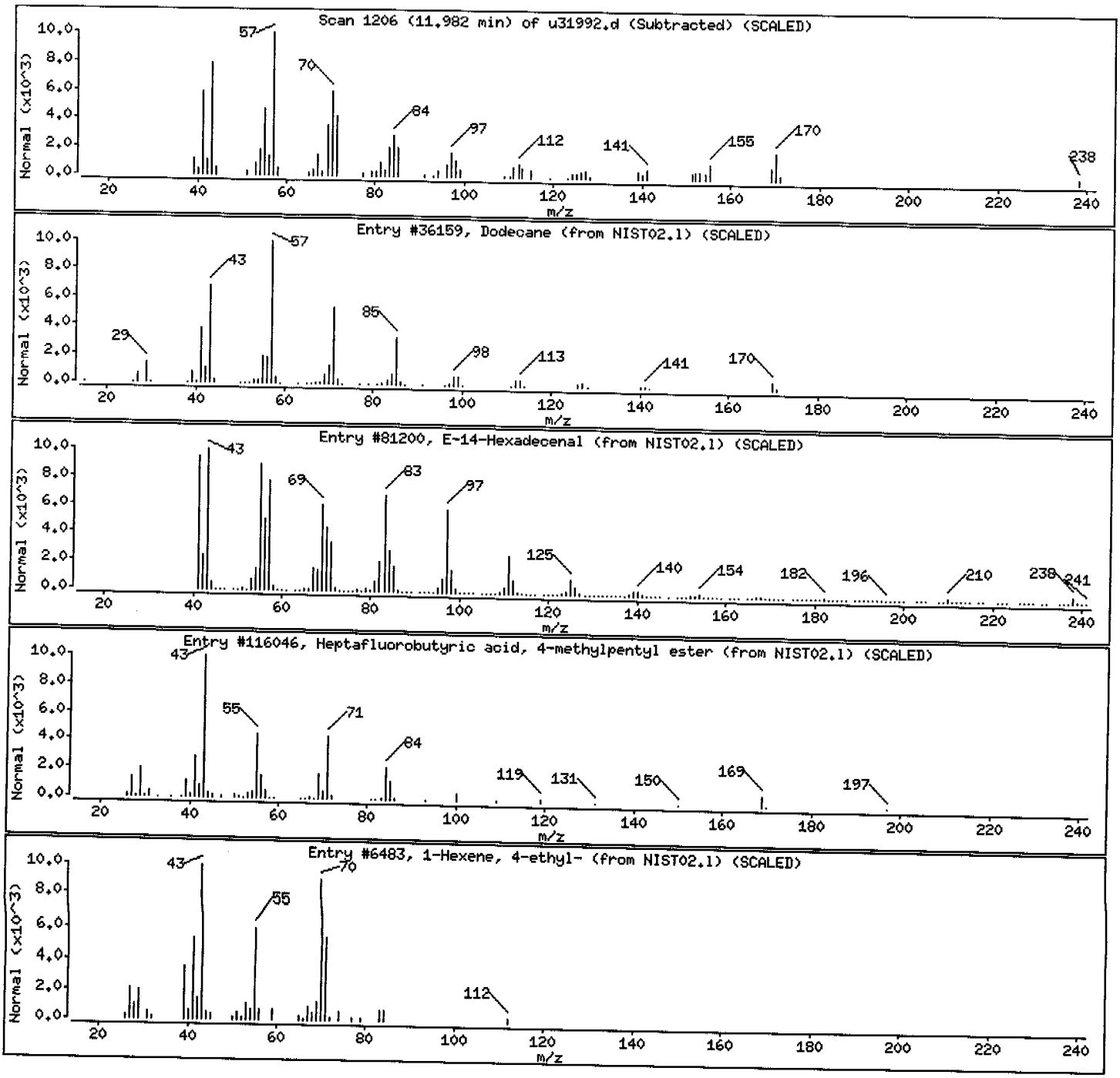
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane	112-40-3	NIST02.l	36159	49	C12H26	170
E-14-Hexadecenal	330207-53-9	NIST02.l	81200	46	C16H30O	238
Heptafluorobutyric acid, 4-methylpentyl	1000245-82-9	NIST02.l	116046	35	C10H13F7O2	298
1-Hexene, 4-ethyl-	16746-85-3	NIST02.l	6483	35	C8H16	112



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

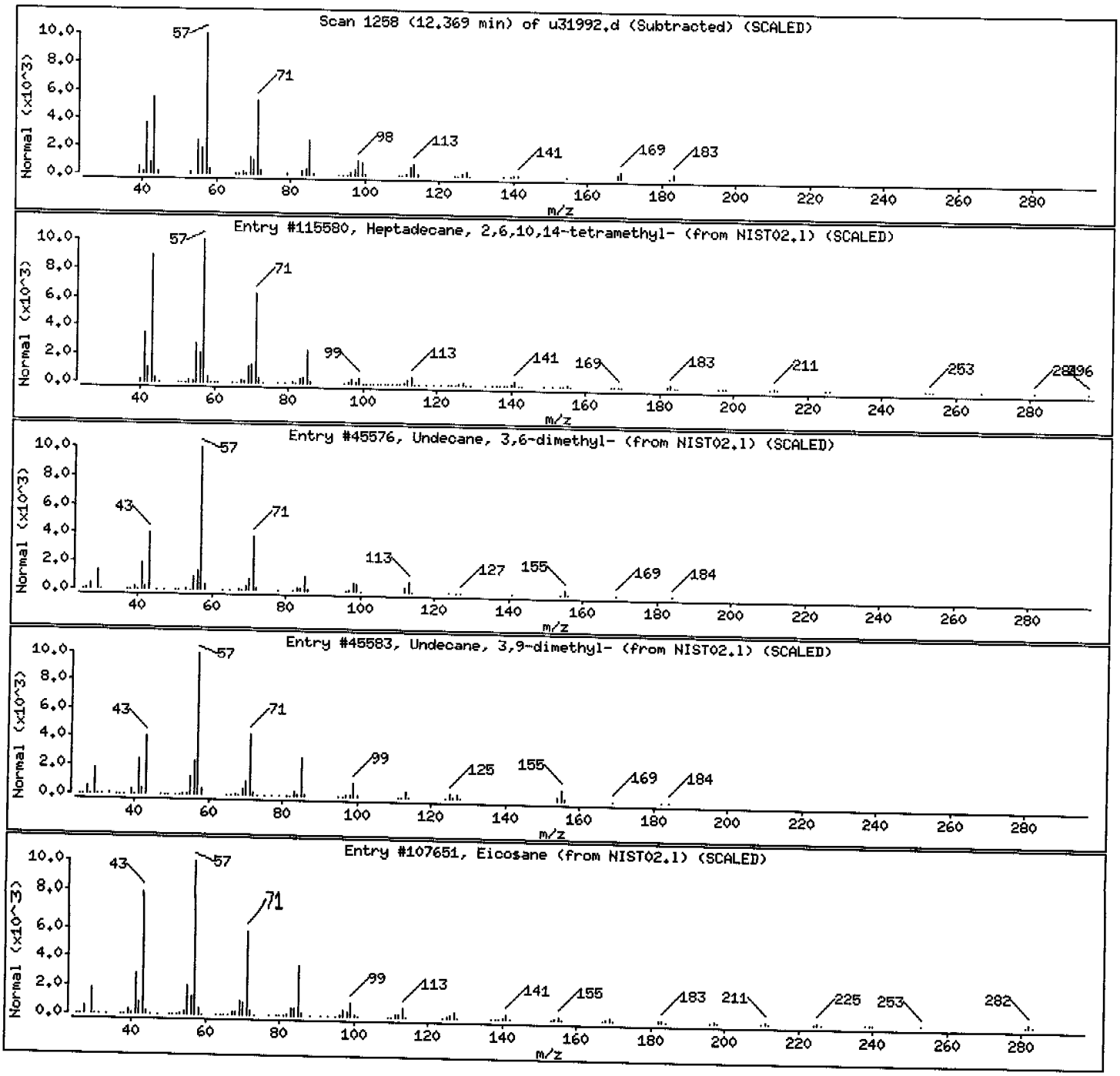
Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane, 2,6,10,14-tetramethyl-	18344-37-1	NIST02.l	115580	80	C21H44	296
Undecane, 3,6-dimethyl-	17301-28-9	NIST02.l	45576	72	C13H28	184
Undecane, 3,9-dimethyl-	17301-31-4	NIST02.l	45583	64	C13H28	184
Eicosane	112-95-8	NIST02.l	107651	59	C20H42	282



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

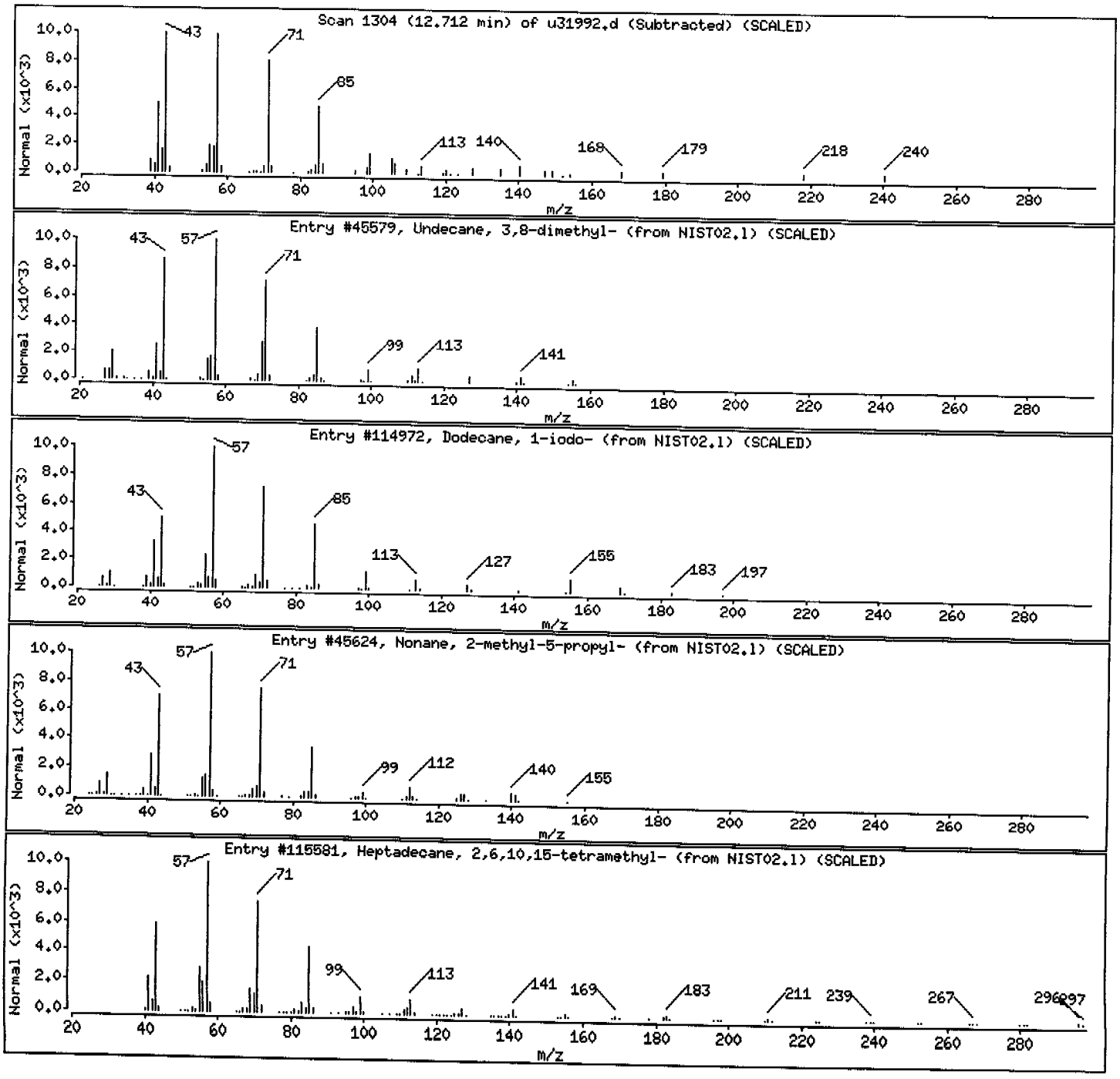
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane, 3,8-dimethyl-	17301-30-3	NIST02.l	45579	72	C13H28	184
Dodecane, 1-iodo-	4292-19-7	NIST02.l	114972	72	C12H25I	296
Nonane, 2-methyl-5-propyl-	31081-17-1	NIST02.l	45624	72	C13H28	184
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST02.l	115581	72	C21H44	296



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

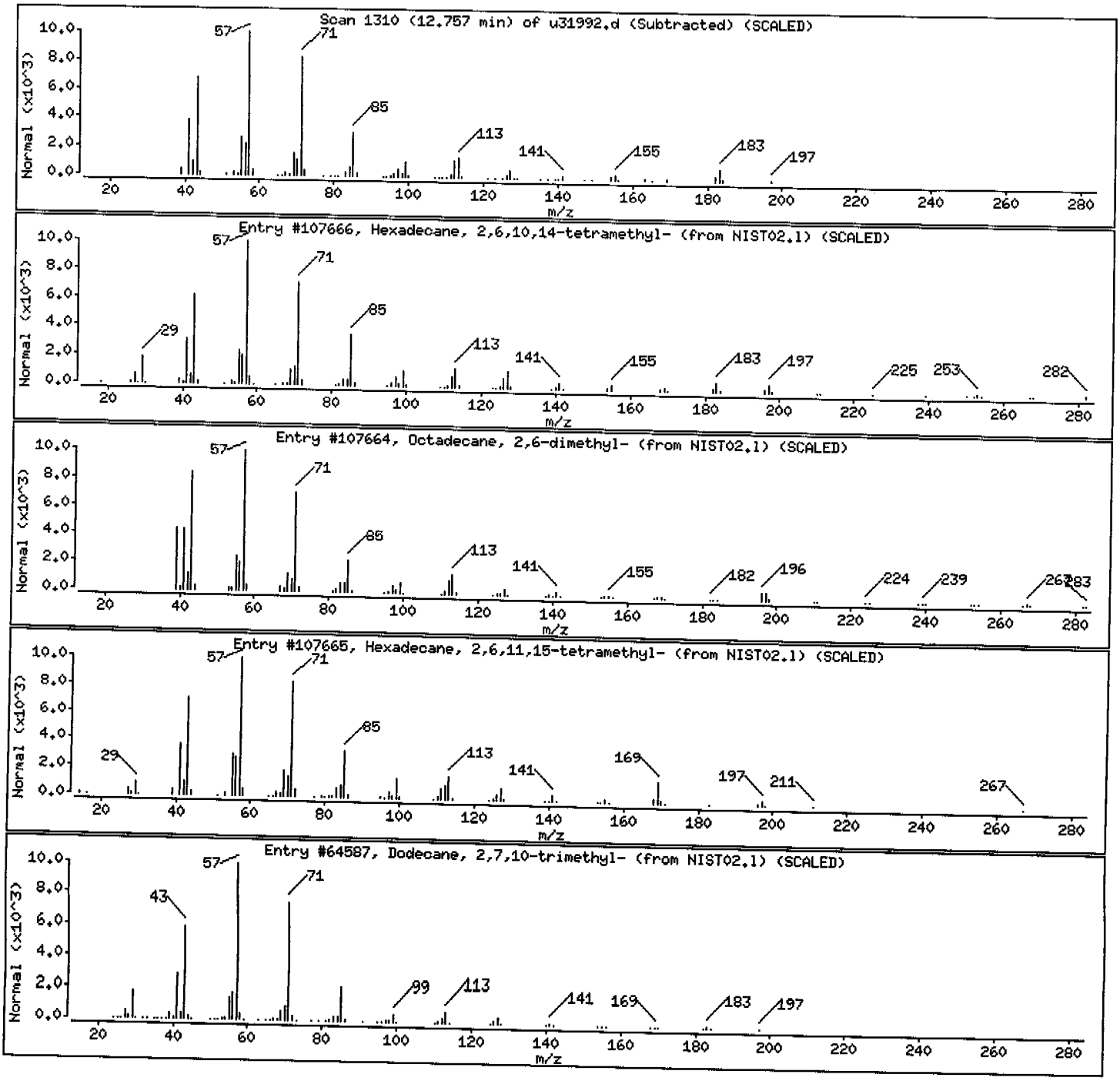
Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST02.l	107666	90	C20H42	282
Octadecane, 2,6-dimethyl-	75163-97-2	NIST02.l	107664	90	C20H42	282
Hexadecane, 2,6,11,15-tetramethyl-	504-44-9	NIST02.l	107665	86	C20H42	282
Dodecane, 2,7,10-trimethyl-	74645-98-0	NIST02.l	64587	86	C15H32	212



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

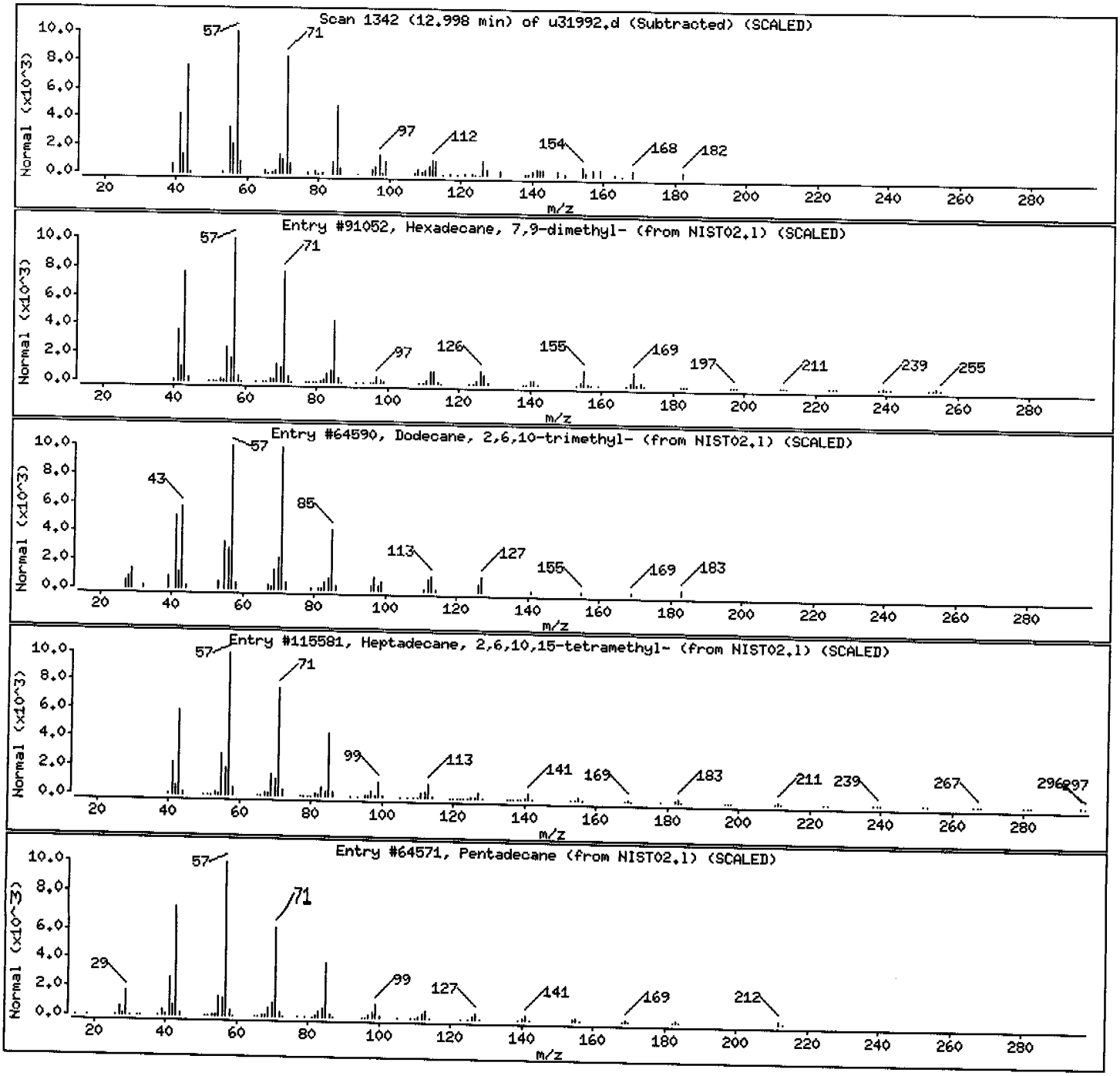
Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 7,9-dimethyl-	21164-95-4	NIST02.l	91052	86	C18H38	254
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	80	C15H32	212
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST02.l	115581	80	C21H44	296
Pentadecane	629-62-9	NIST02.l	64571	72	C15H32	212



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Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

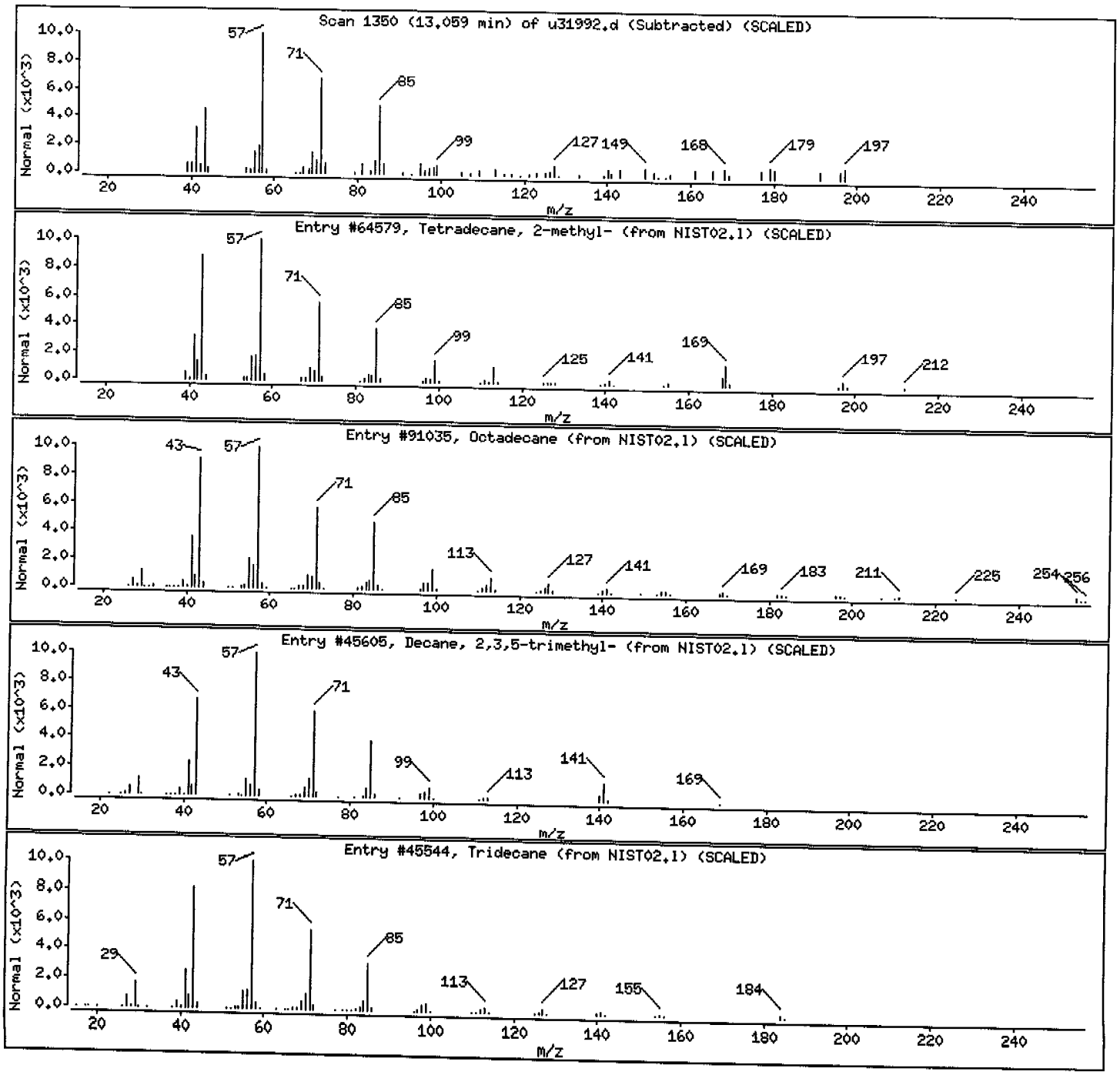
Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane, 2-methyl-	1560-95-8	NIST02.l	64579	72	C15H32	212
Octadecane	593-45-3	NIST02.l	91035	72	C18H38	254
Decane, 2,3,5-trimethyl-	62238-11-3	NIST02.l	45605	59	C13H28	184
Tridecane	629-50-5	NIST02.l	45544	59	C13H28	184



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Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

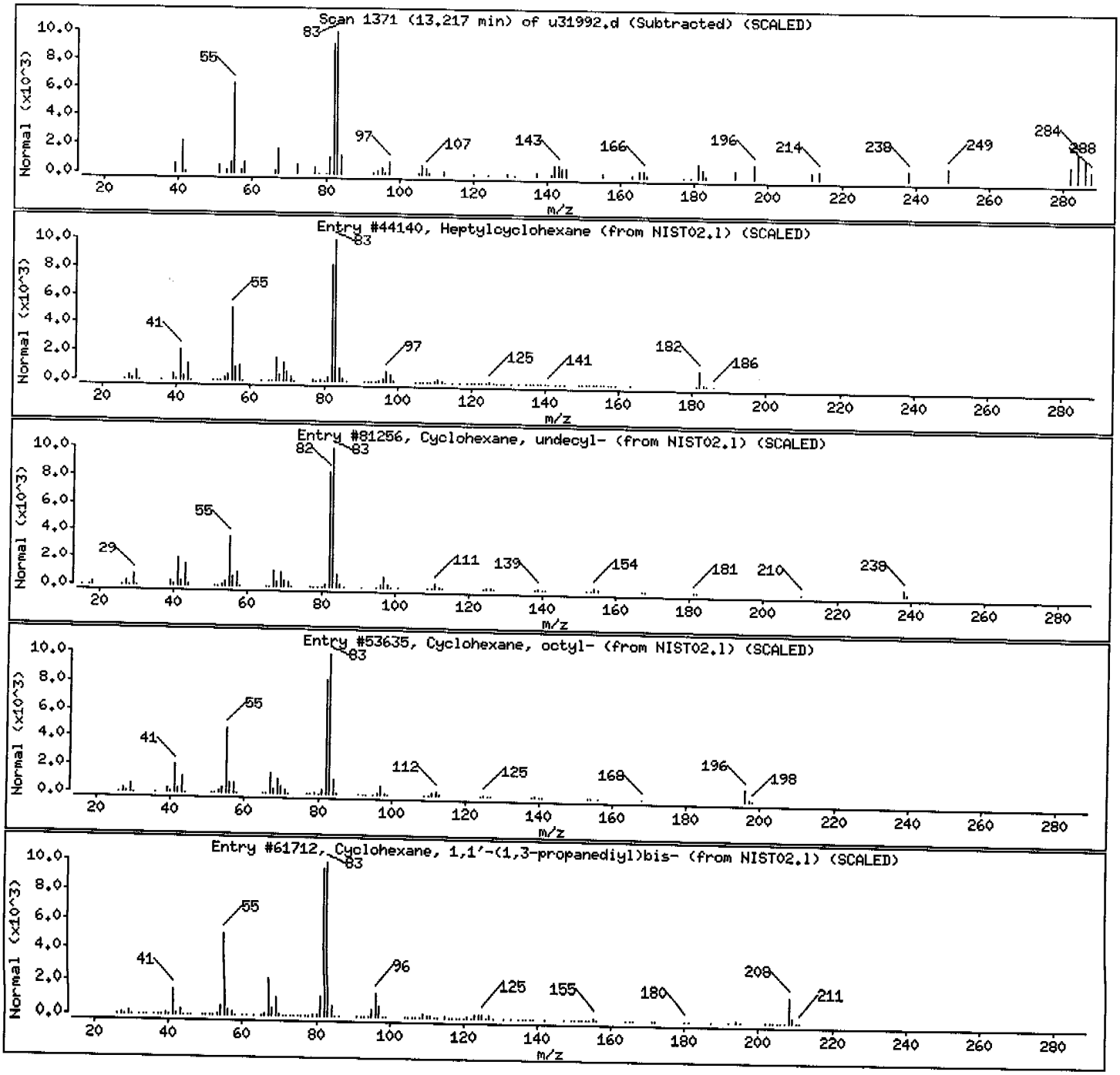
Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptylcyclohexane	5617-41-4	NIST02.l	44140	58	C13H26	182
Cyclohexane, undecyl-	54105-66-7	NIST02.l	81256	58	C17H34	238
Cyclohexane, octyl-	1795-15-9	NIST02.l	53635	58	C14H28	196
Cyclohexane, 1,1'-(1,3-propanediyl)bis-	3178-24-3	NIST02.l	61712	53	C15H28	208



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Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

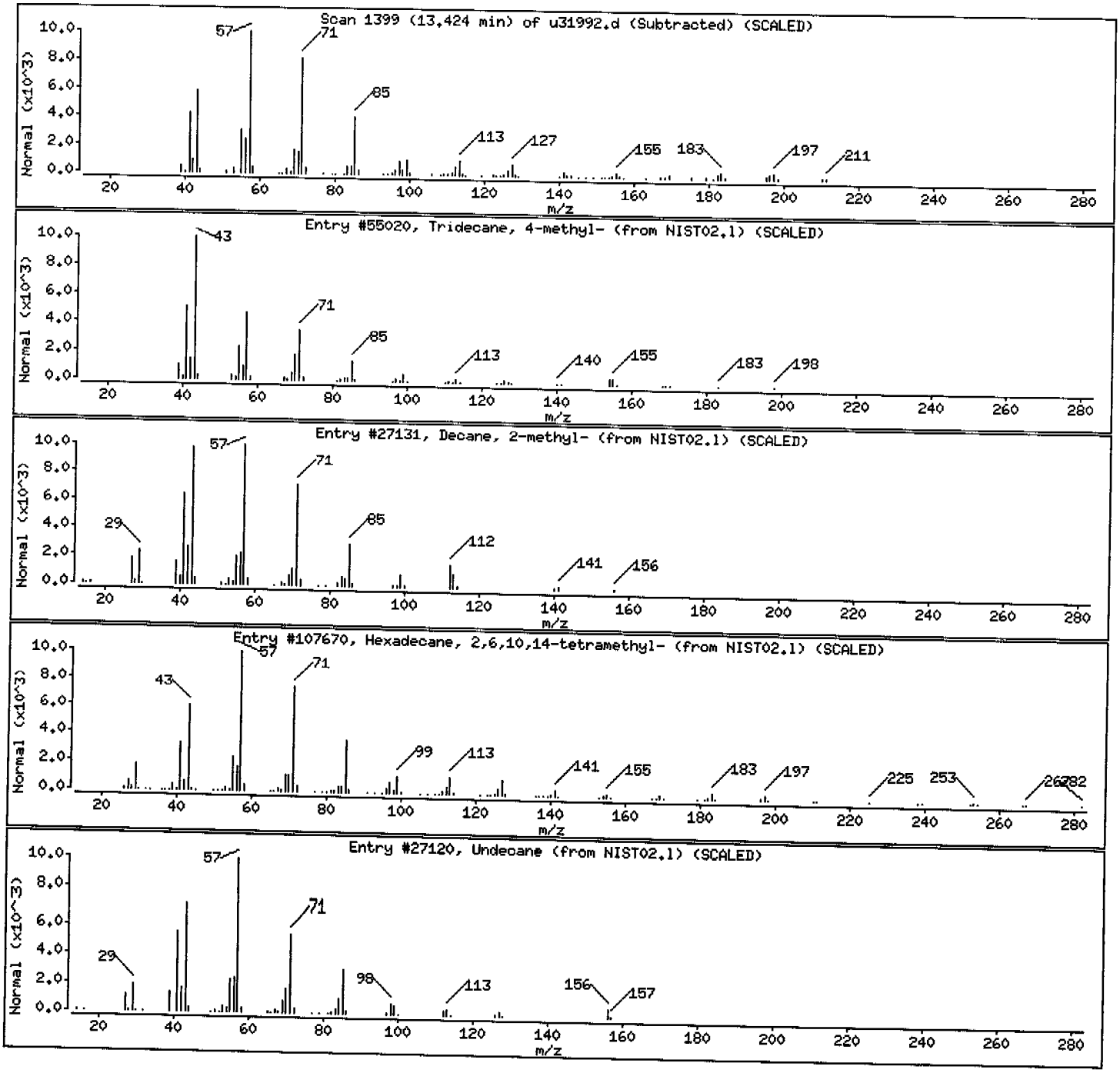
Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane, 4-methyl-	26730-12-1	NIST02.l	55020	87	C14H30	198
Decane, 2-methyl-	6975-98-0	NIST02.l	27131	87	C11H24	156
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST02.l	107670	87	C20H42	282
Undecane	1120-21-4	NIST02.l	27120	83	C11H24	156



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

Client ID: B1402-SS01

Instrument: BNAMS4.i

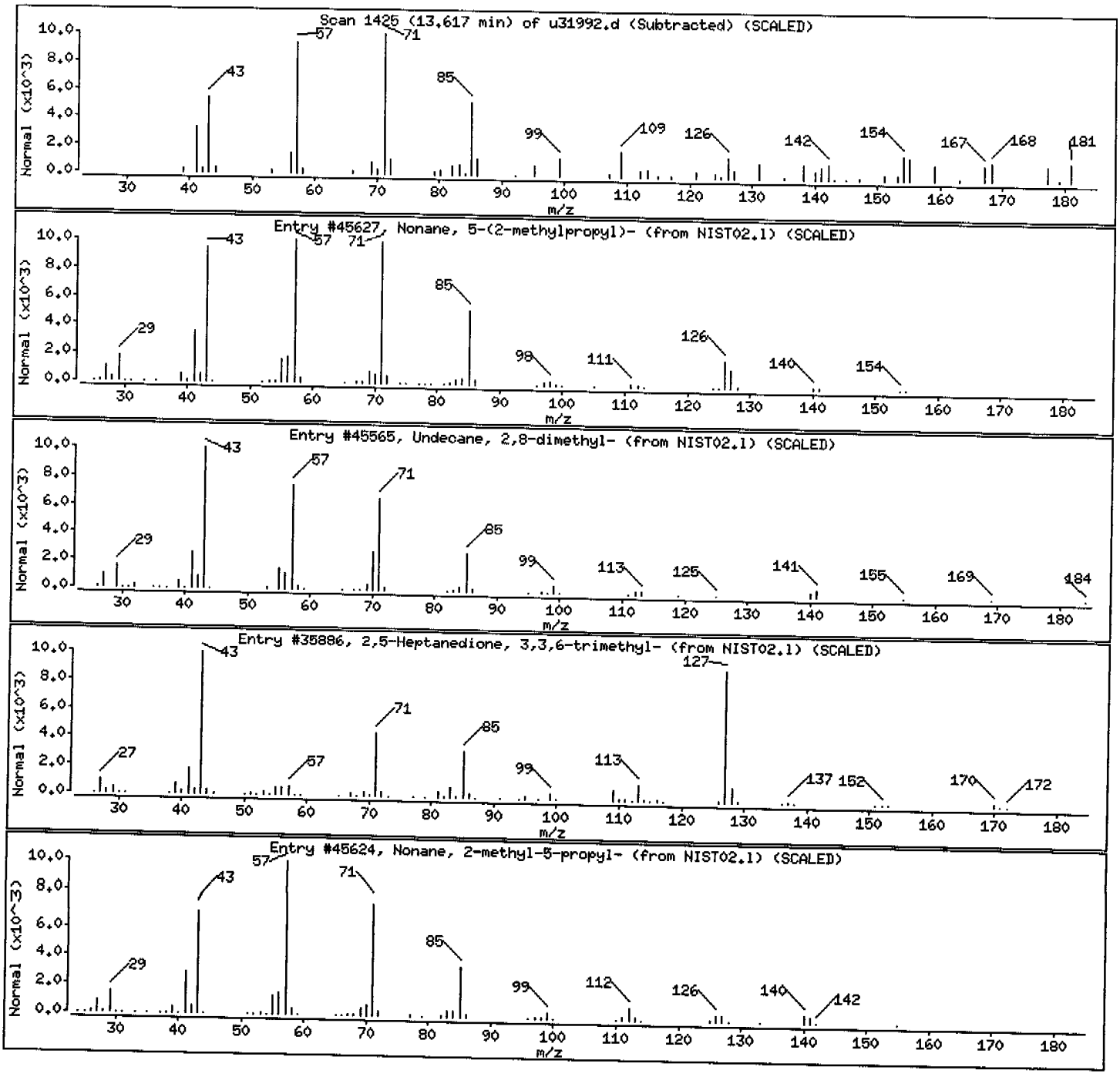
Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonane, 5-(2-methylpropyl)-	62185-53-9	NIST02.1	45627	47	C13H28	184
Undecane, 2,8-dimethyl-	17301-25-6	NIST02.1	45565	47	C13H28	184
2,5-Heptanedione, 3,3,6-trimethyl-	51513-40-7	NIST02.1	35886	47	C10H18O2	170
Nonane, 2-methyl-5-propyl-	31081-17-1	NIST02.1	45624	47	C13H28	184



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

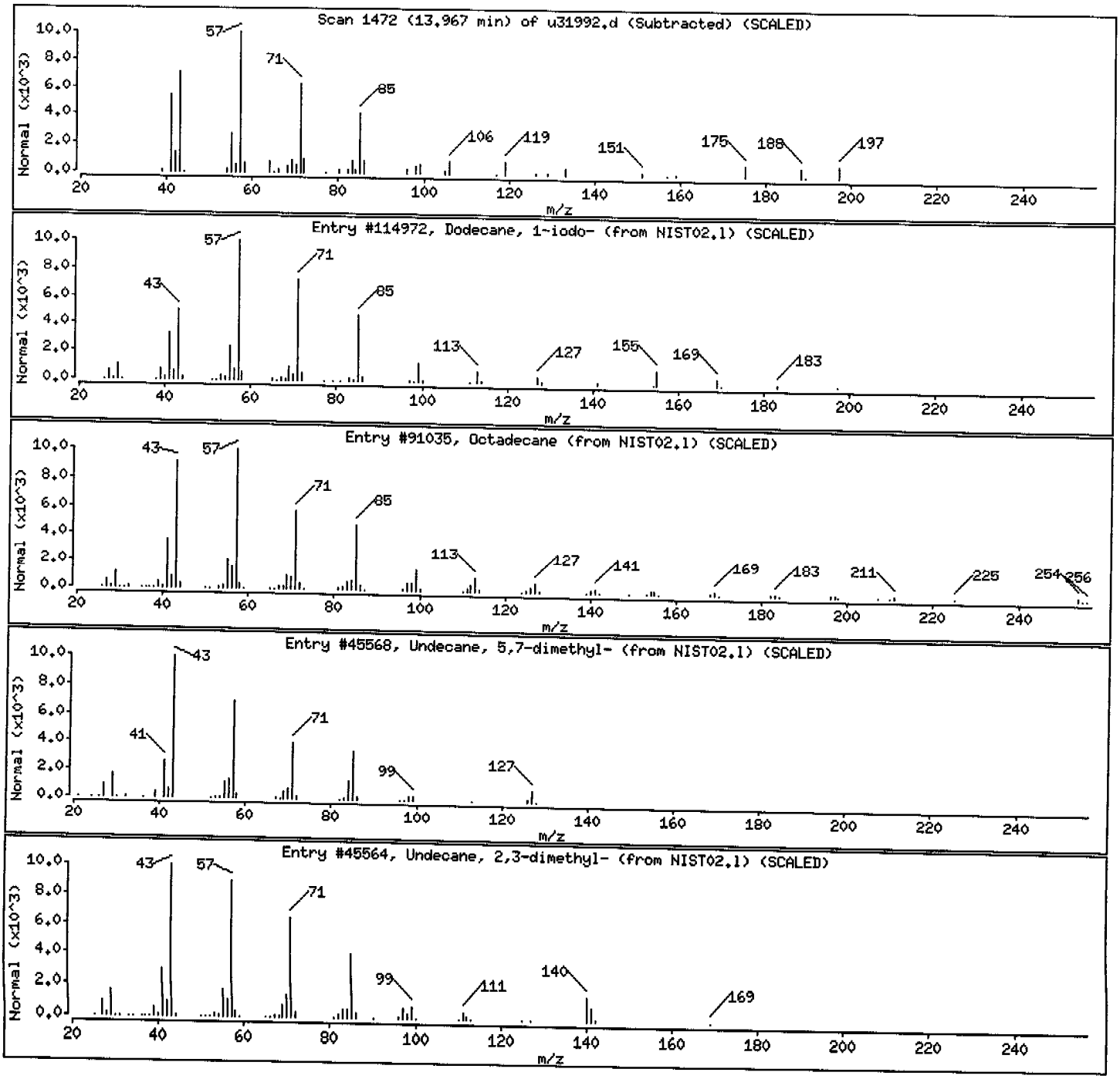
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 1-iodo-	4292-19-7	NIST02.l	114972	59	C12H25I	296
Octadecane	593-45-3	NIST02.l	91035	53	C18H38	254
Undecane, 5,7-dimethyl-	17312-83-3	NIST02.l	45568	53	C13H28	184
Undecane, 2,3-dimethyl-	17312-77-5	NIST02.l	45564	53	C13H28	184



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

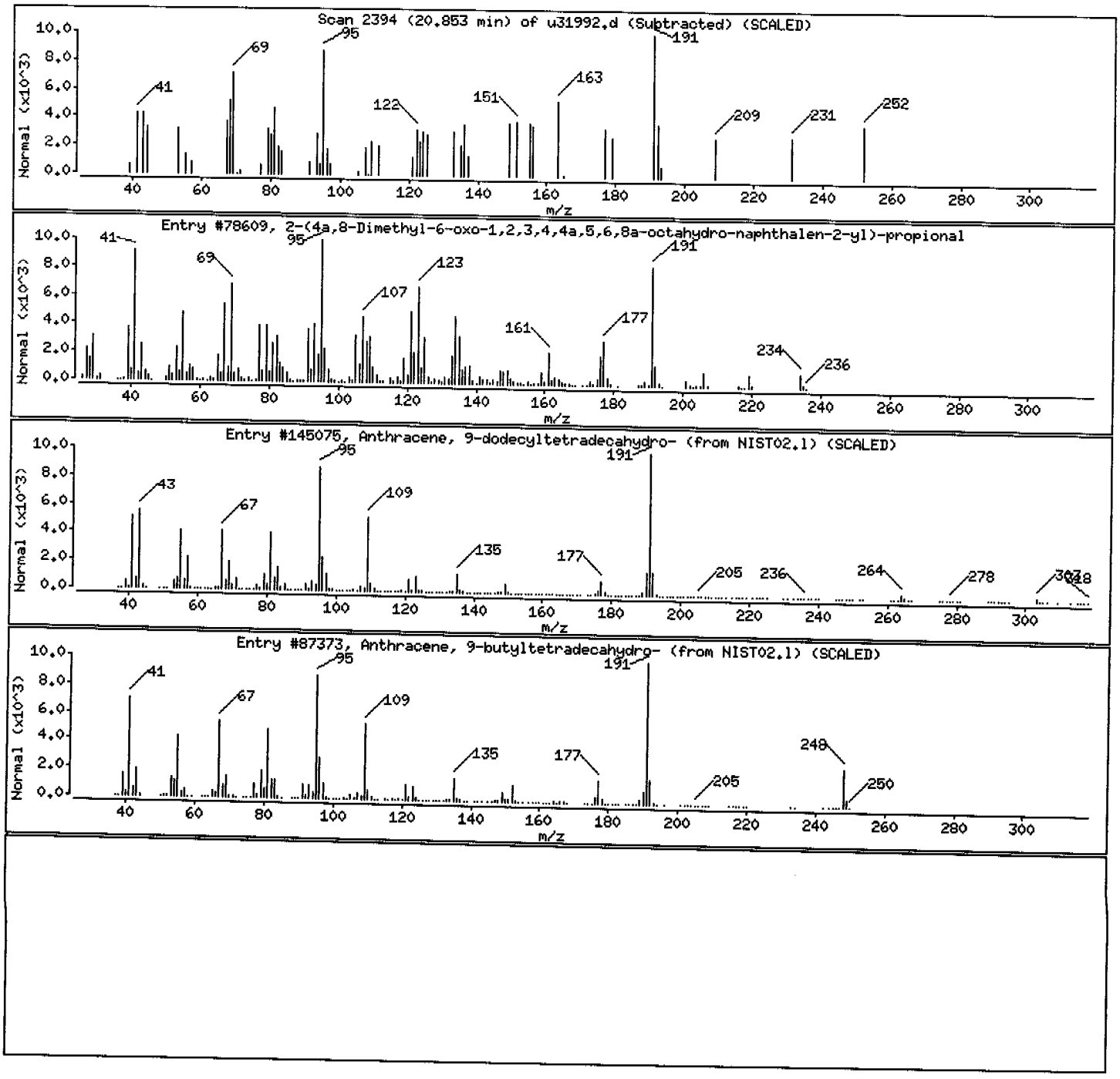
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4a,5,6,8a	1000190-21-8	NIST02.l	78609	43	C15H2202	234
Anthracene, 9-dodecyltetradecahydro-	55401-75-7	NIST02.l	145075	32	C26H48	360
Anthracene, 9-butyltetradecahydro-	55133-89-6	NIST02.l	87373	32	C18H32	248



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31992.d

Date : 15-SEP-2006 07:55

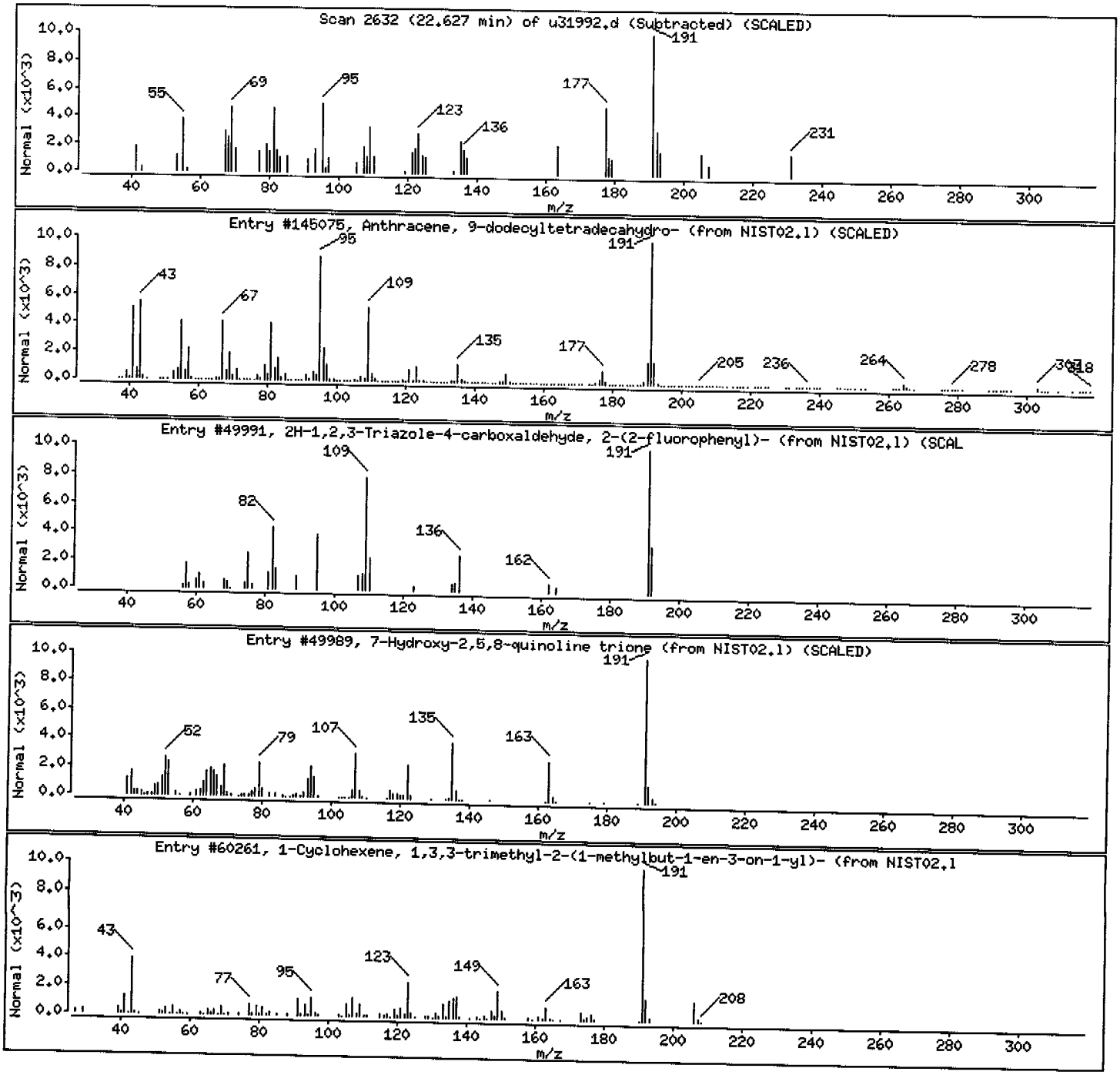
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Anthracene, 9-dodecyltetradecahydro-	55401-75-7	NIST02.l	145075	37	C26H48	360
2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2	51306-43-5	NIST02.l	49991	35	C9H6FN3O	191
7-Hydroxy-2,5,8-quinoline trione	15544-54-4	NIST02.l	49989	35	C9H5NO4	191
1-Cyclohexene, 1,3,3-trimethyl-2-(1-meth	1000197-08-4	NIST02.l	60261	32	C14H22O	206



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Date : 15-SEP-2006 07:55

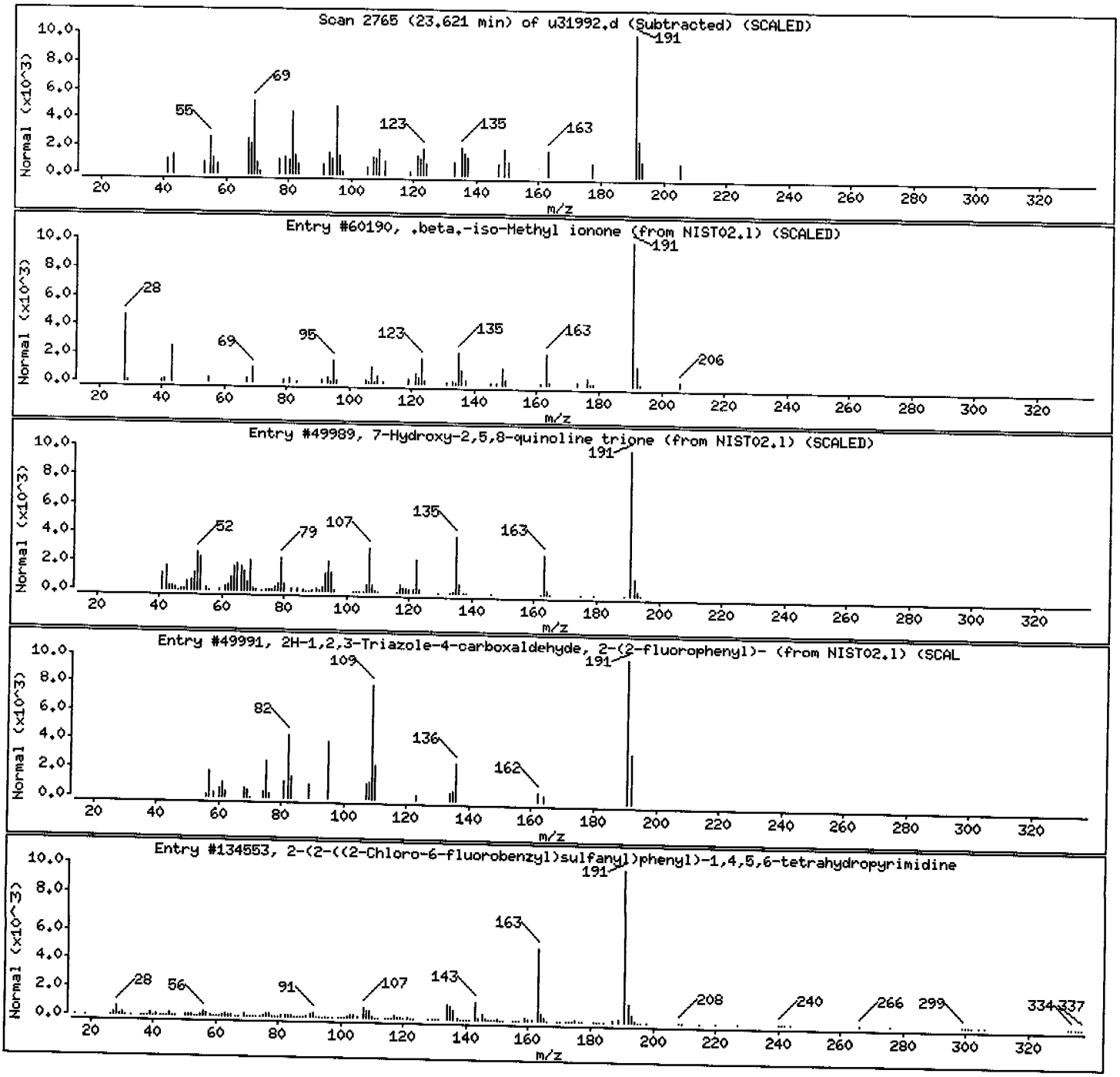
Client ID: B1402-SS01 Instrument: BNAMS4.i

Sample Info: 765434;3205485

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.beta.-iso-Methyl ionone	1000285-40-2	NIST02.l	60190	64	C14H22O	206
7-Hydroxy-2,5,8-quinoline trione	15544-54-4	NIST02.l	49989	43	C9H5NO4	191
2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2	51306-43-5	NIST02.l	49991	37	C9H6FN3O	191
2-(2-((2-Chloro-6-fluorobenzyl)sulfanyl)	1000298-18-2	NIST02.l	134553	35	C17H16ClFN2S	334



Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample No: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31967.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	ND	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	ND	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	ND	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	ND	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	ND	400
Anthracene	ND	400

Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample No: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31967.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	400
Di-n-butylphthalate	ND	400
Fluoranthene	ND	400
Pyrene	ND	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	ND	40
Chrysene	ND	400
bis(2-Ethylhexyl)phthalate	ND	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	ND	40
Benzo(k)fluoranthene	ND	40
Benzo(a)pyrene	ND	40
Indeno(1,2,3-cd)pyrene	ND	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	ND	400

Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample No: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31967.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31967.d
Report Date: 15-Sep-2006 02:31

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

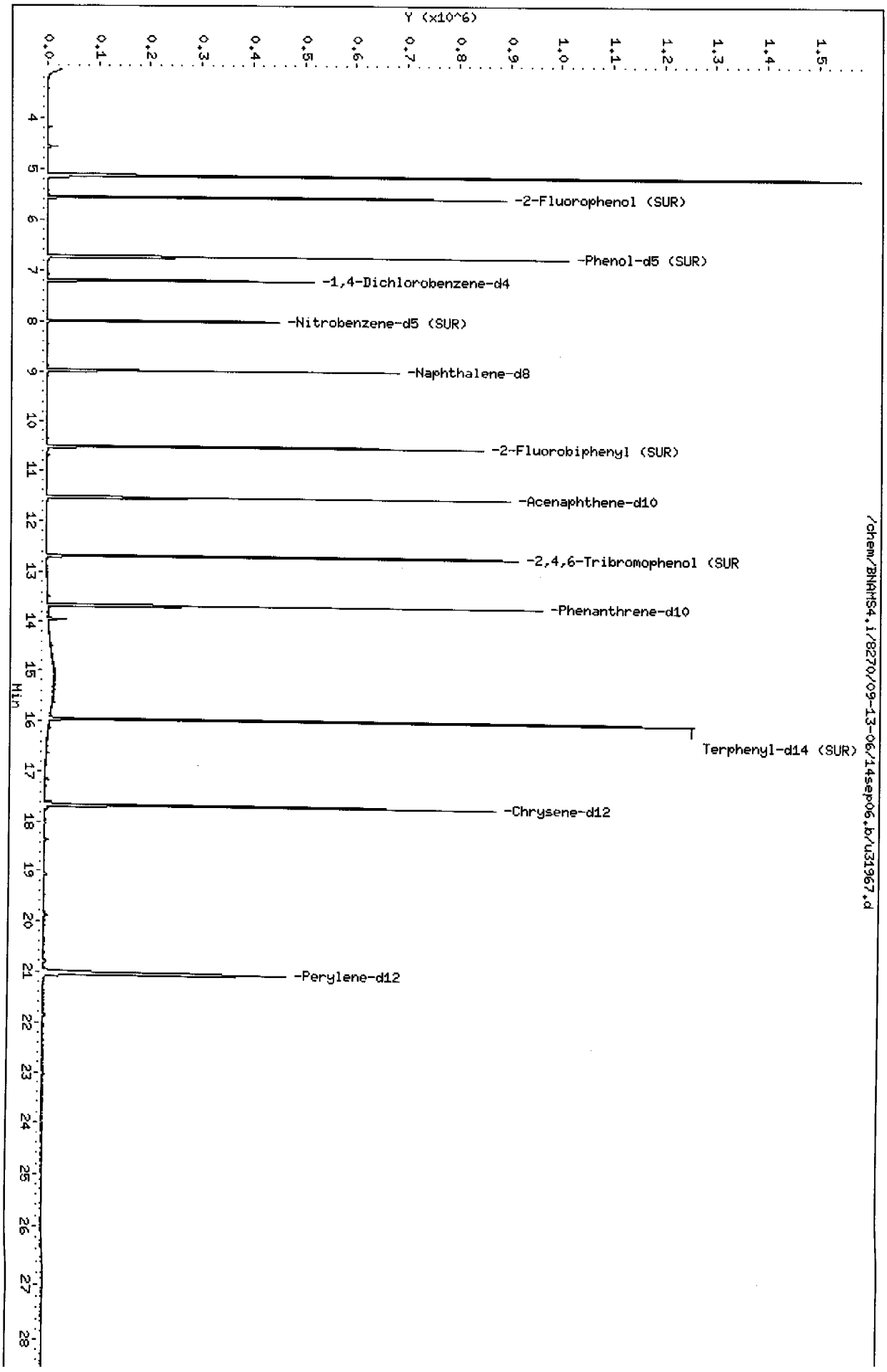
Data file : /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31967.d
Lab Smp Id: 765435 Client Smp ID: B1402-SS02
Inj Date : 14-SEP-2006 15:46
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 765435;3205502
Misc Info : W345;SB241;QA4554
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/14sep06.b/8270C6-1.m
Meth Date : 15-Sep-2006 01:11 asfawa Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	16.40000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.555	5.547	(0.772)	237192	69.7876	5600
$ 17 Phenol-d5 (SUR)	99	6.734	6.736	(0.936)	366296	79.4248	6300
* 79 1,4-Dichlorobenzene-d4	152	7.193	7.195	(1.000)	84641	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.994	8.000	(0.891)	186411	36.8517	2900
* 80 Naphthalene-d8	136	8.972	8.983	(1.000)	375671	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.521	10.534	(0.913)	305104	34.0628	2700
* 82 Acenaphthene-d10	164	11.528	11.537	(1.000)	275767	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.685	12.691	(1.100)	150942	71.2241	5700
* 83 Phenanthrene-d10	188	13.664	13.670	(1.000)	452669	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.956	15.955	(0.904)	541286	35.2689	2800
* 81 Chrysene-d12	240	17.654	17.668	(1.000)	698147	40.0000	
* 84 Perylene-d12	264	21.044	21.063	(1.000)	575204	40.0000	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Date : 14-SEP-2006 15:46
Client ID: B1402-SS02
Sample Info: 765435;3205502
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31967.d

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample No: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31993.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	380
1,3-Dichlorobenzene	ND	3800
1,4-Dichlorobenzene	ND	3800
1,2-Dichlorobenzene	ND	3800
bis(2-chloroisopropyl)ether	ND	3800
N-Nitroso-di-n-propylamine	ND	380
Hexachloroethane	ND	380
Nitrobenzene	ND	380
Isophorone	ND	3800
bis(2-Chloroethoxy)methane	ND	3800
1,2,4-Trichlorobenzene	ND	380
Naphthalene	ND	3800
4-Chloroaniline	ND	3800
Hexachlorobutadiene	ND	760
2-Methylnaphthalene	ND	3800
Hexachlorocyclopentadiene	ND	3800
2-Chloronaphthalene	ND	3800
2-Nitroaniline	ND	7600
Dimethylphthalate	27000	3800
Acenaphthylene	ND	3800
2,6-Dinitrotoluene	ND	760
3-Nitroaniline	ND	7600
Acenaphthene	ND	3800
Dibenzofuran	ND	3800
2,4-Dinitrotoluene	ND	760
Diethylphthalate	ND	3800
4-Chlorophenyl-phenylether	ND	3800
Fluorene	ND	3800
4-Nitroaniline	ND	7600
N-Nitrosodiphenylamine	ND	3800
4-Bromophenyl-phenylether	ND	3800
Hexachlorobenzene	ND	380
Phenanthrene	ND	3800
Anthracene	ND	3800

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample No: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31993.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3800
Di-n-butylphthalate	33000	3800
Fluoranthene	ND	3800
Pyrene	ND	3800
Butylbenzylphthalate	ND	3800
3,3'-Dichlorobenzidine	ND	7600
Benzo(a)anthracene	ND	380
Chrysene	ND	3800
bis(2-Ethylhexyl)phthalate	5000	3800
Di-n-octylphthalate	ND	3800
Benzo(b)fluoranthene	ND	380
Benzo(k)fluoranthene	ND	380
Benzo(a)pyrene	ND	380
Indeno(1,2,3-cd)pyrene	ND	380
Dibenz(a,h)anthracene	ND	380
Benzo(g,h,i)perylene	ND	3800

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample No: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31993.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 12.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	5.80	120000	
2.	Unknown	9.95	8900	
3.	Unknown	12.13	26000	
4.	Unknown Alkane	12.60	20000	
5.	Unknown Alkane	13.89	6400	
6.	Unknown Alkane	14.56	8100	
7.	Unknown Alkane	14.66	16000	
8.	Unknown	14.81	15000	
9.	Isopropylidenediphenol isomer	15.10	6100	
10.	Unknown	15.26	3700	
11.	Unknown	17.38	7500	
12.	Unknown	19.09	3500	
13.	Unknown	19.39	56000	
14.	Unknown	23.62	3200	
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 300400

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d
Report Date: 18-Sep-2006 14:12

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d
Lab Smp Id: 765439 Client Smp ID: B1403-SS01
Inj Date : 15-SEP-2006 08:32
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 765439;3205567
Misc Info : W345;SB241;QA4554
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/8270C6-1.m
Meth Date : 15-Sep-2006 06:11 vanamans Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 15
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: HSLBNb.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	12.70000	% Moisture

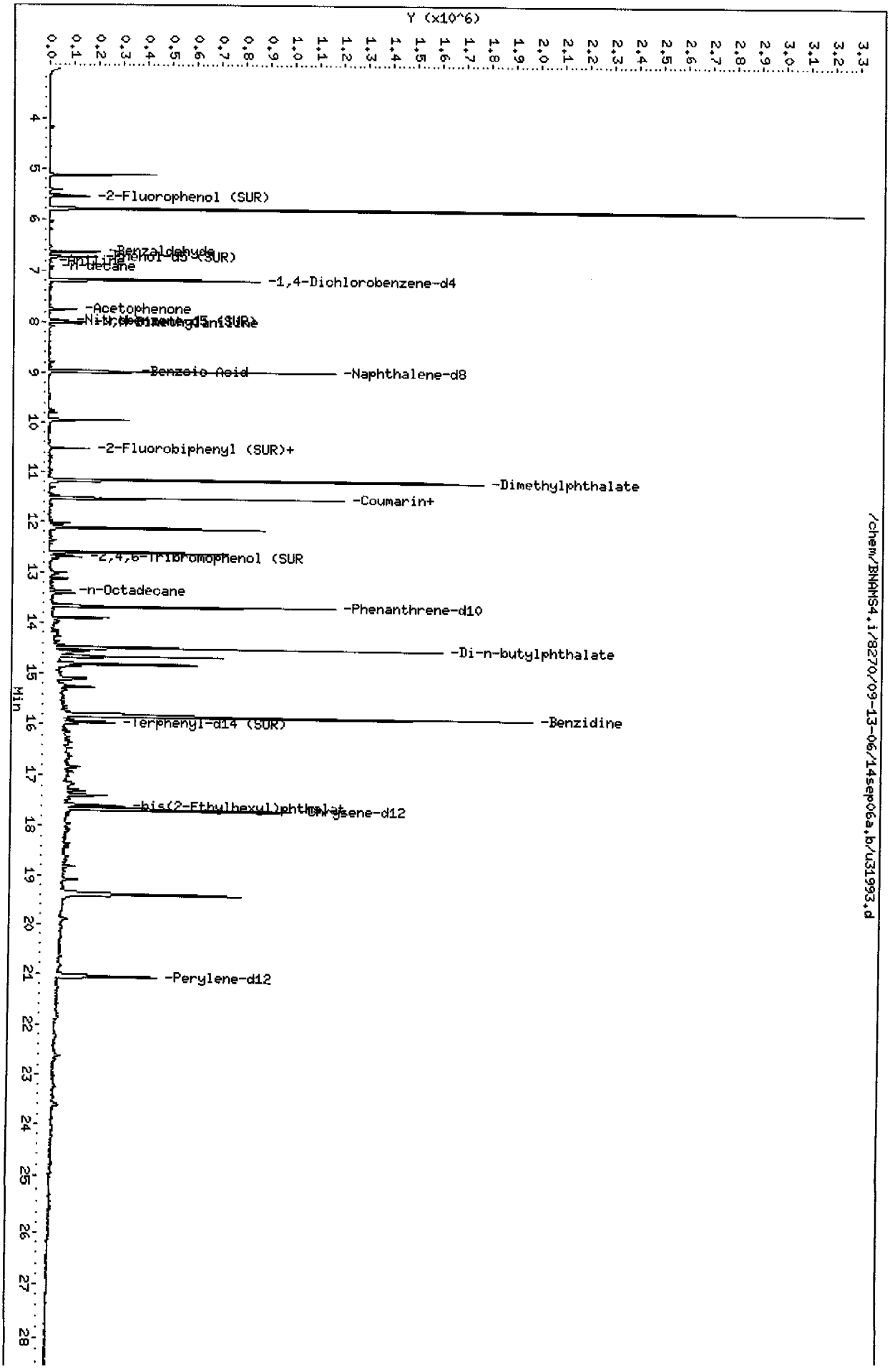
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	7.193	7.194	(1.000)	156330	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.989	8.001	(0.890)	31256	3.71376	2800(a)
* 80 Naphthalene-d8	136	8.979	8.980	(1.000)	625049	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.523	10.525	(0.912)	61089	5.21133	4000
38 Dimethylphthalate	163	11.152	11.159	(0.967)	498084	34.9551	27000
* 82 Acenaphthene-d10	164	11.532	11.532	(1.000)	360902	40.0000	
* 83 Phenanthrene-d10	188	13.671	13.668	(1.000)	611880	40.0000	
55 Di-n-butylphthalate	149	14.499	14.487	(1.061)	1101443	43.0843	33000
$ 78 Terphenyl-d14 (SUR)	244	15.954	15.954	(0.903)	82851	5.49699	4200
63 bis(2-Ethylhexyl)phthalate	149	17.596	17.593	(0.996)	97212	6.59794	5000
* 81 Chrysene-d12	240	17.663	17.666	(1.000)	685623	40.0000	
* 84 Perylene-d12	264	21.055	21.060	(1.000)	440516	40.0000	

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d
Report Date: 18-Sep-2006 14:12

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).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Date : 15-SEP-2006 08:32
Client ID: B1403-SS01
Sample Info: 765439;3205967
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-1,4-Dichlorobenzene-d4
-Acetophenone
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)+
-Dimethylphthalate
-Coumarin+
-n-Octadecane
-Phenanthrene-d10
-Di-n-butylphthalate
-Terphenyl-d14 (SUR)
-Benzidine
-Perylene-d12

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d

Date : 15-SEP-2006 08:32

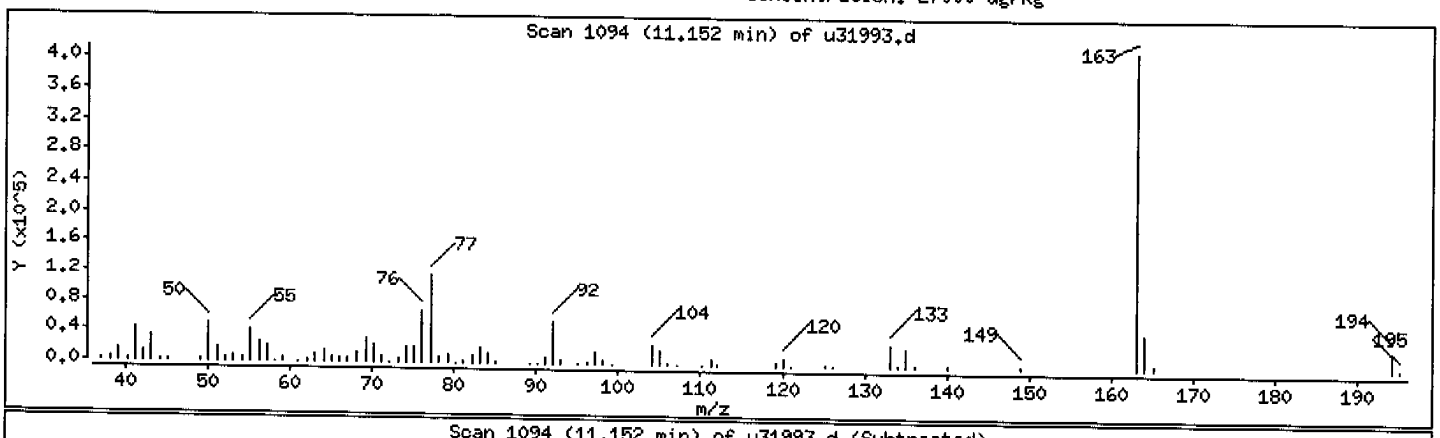
Client ID: B1403-SS01 Instrument: BNAMS4.i

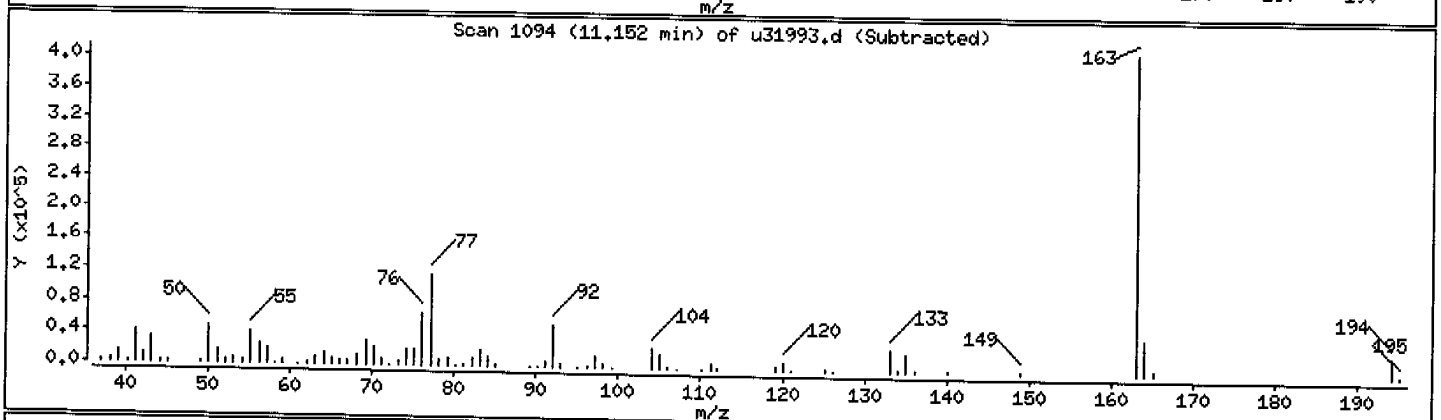
Sample Info: 765439;3205567

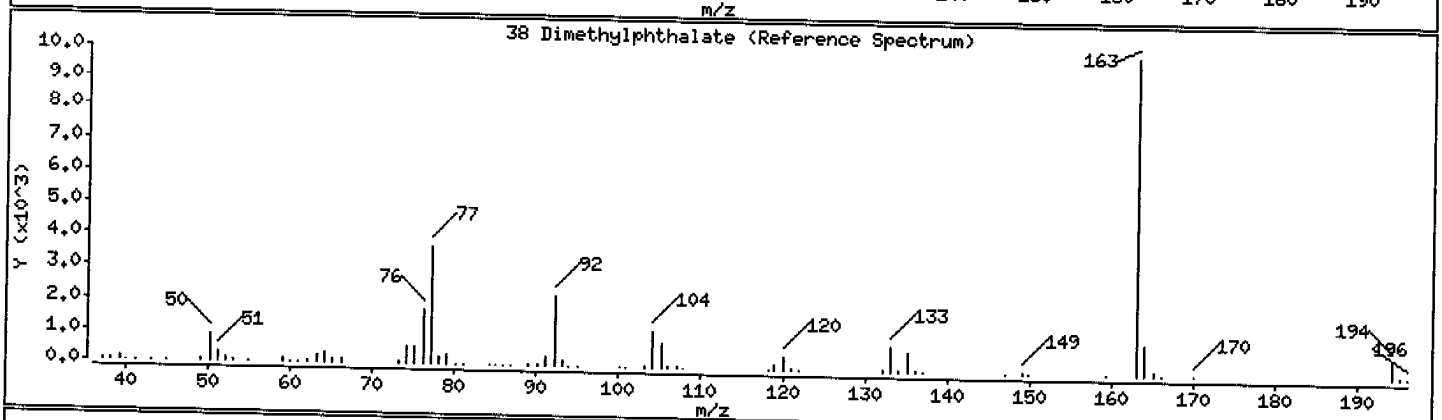
Operator: BNAMS 4

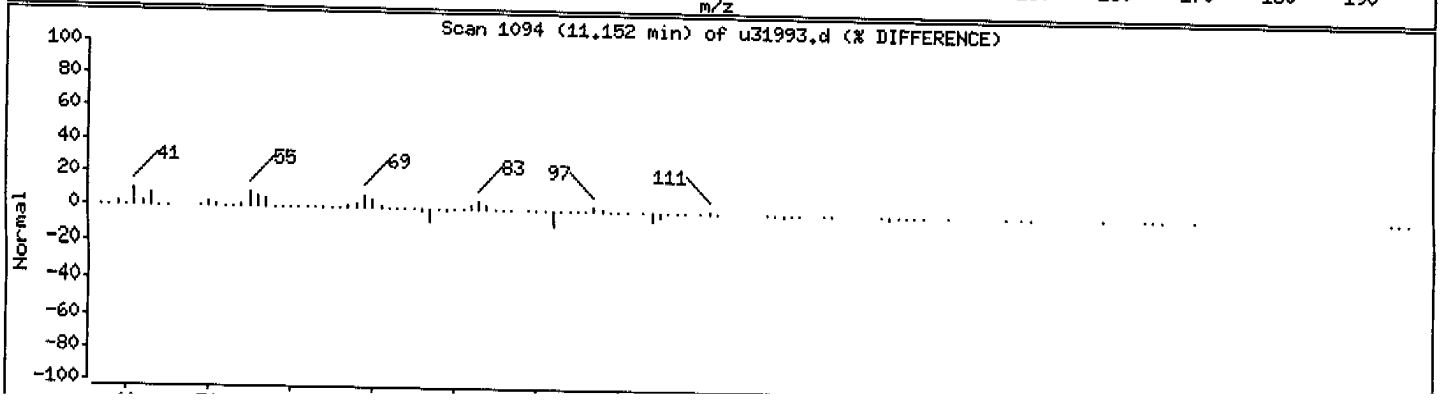
Column phase: DB-5 Column diameter: 0.25

38 Dimethylphthalate Concentration: 27000 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d

Date : 15-SEP-2006 08:32

Client ID: B1403-SS01

Instrument: BNAMS4.i

Sample Info: 765439;3205567

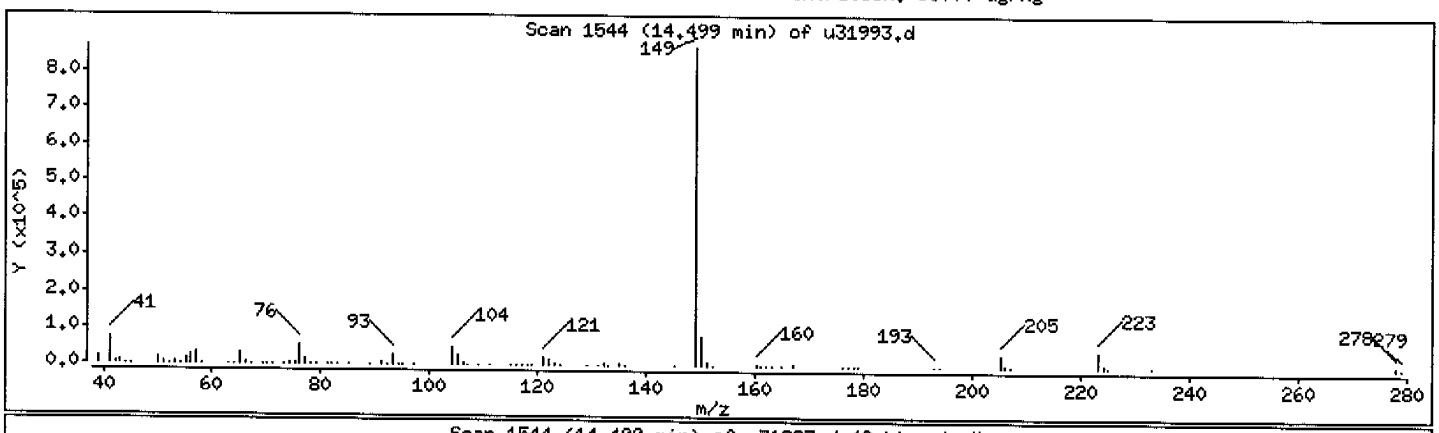
Operator: BNAMS 4

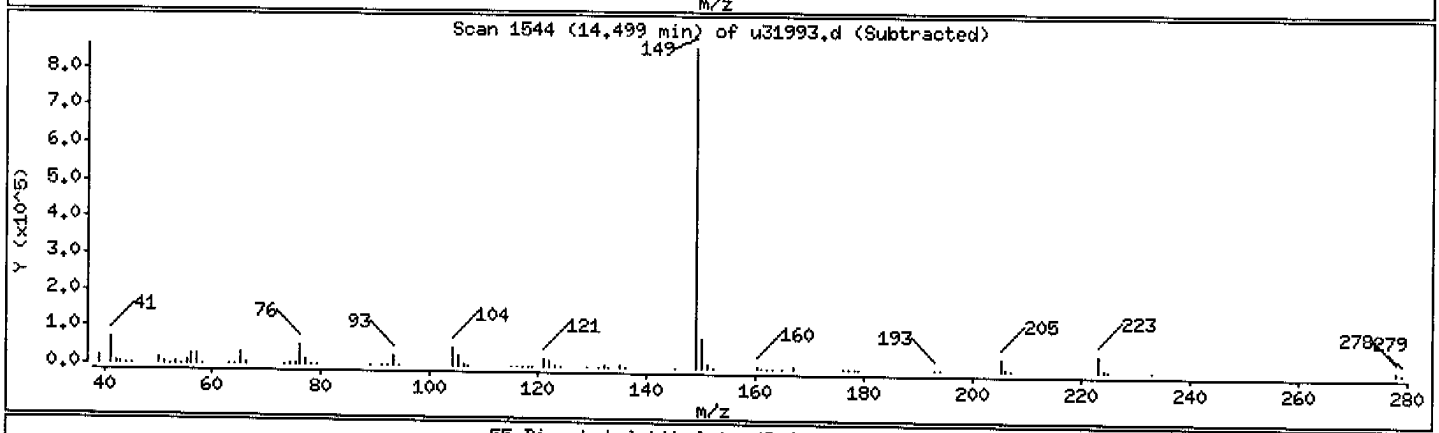
Column phase: DB-5

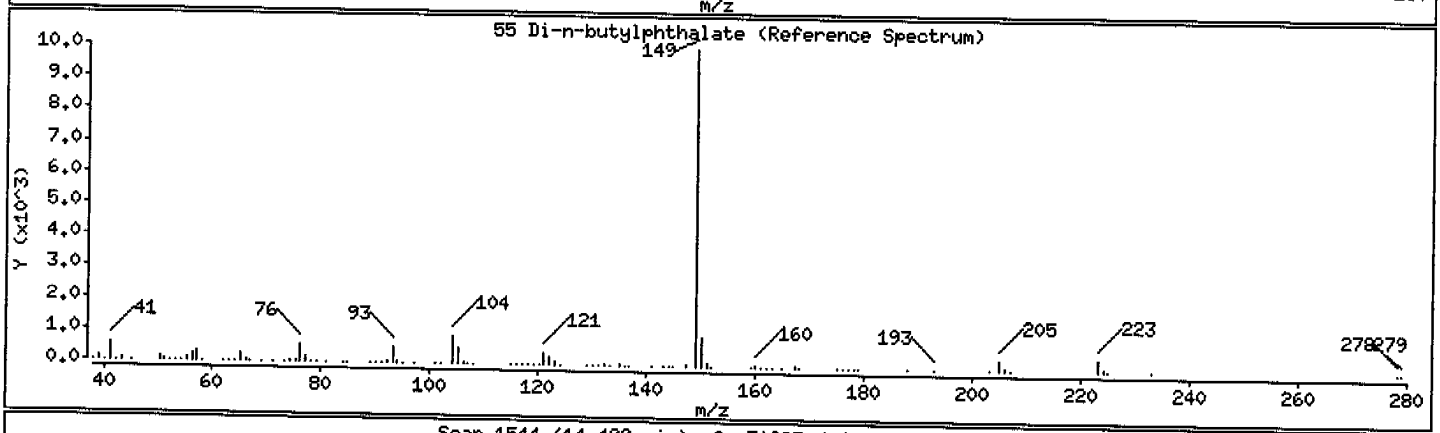
Column diameter: 0.25

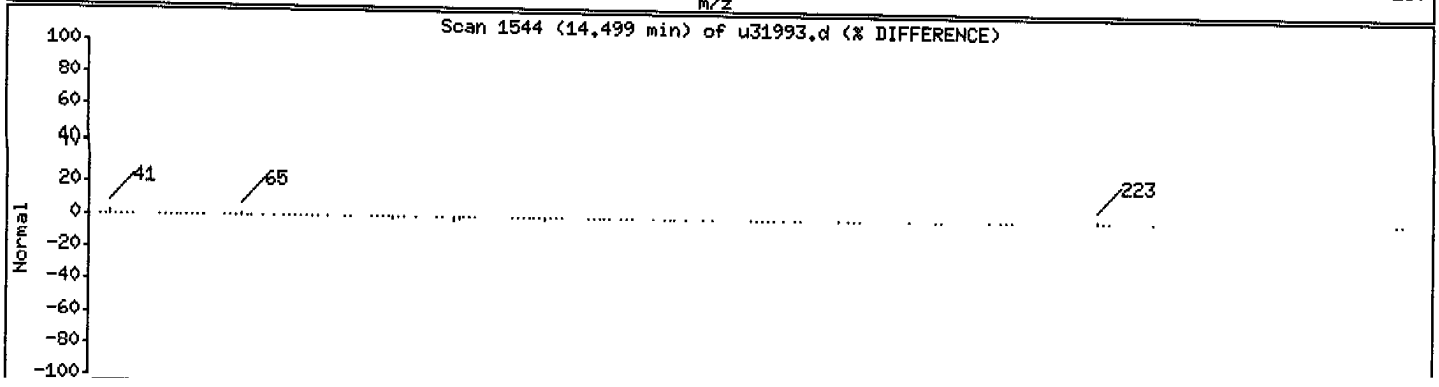
55 Di-n-butylphthalate

Concentration: 33000 ug/Kg









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Date : 15-SEP-2006 08:32

Client ID: B1403-SS01

Instrument: BNAMS4.i

Sample Info: 765439;3205567

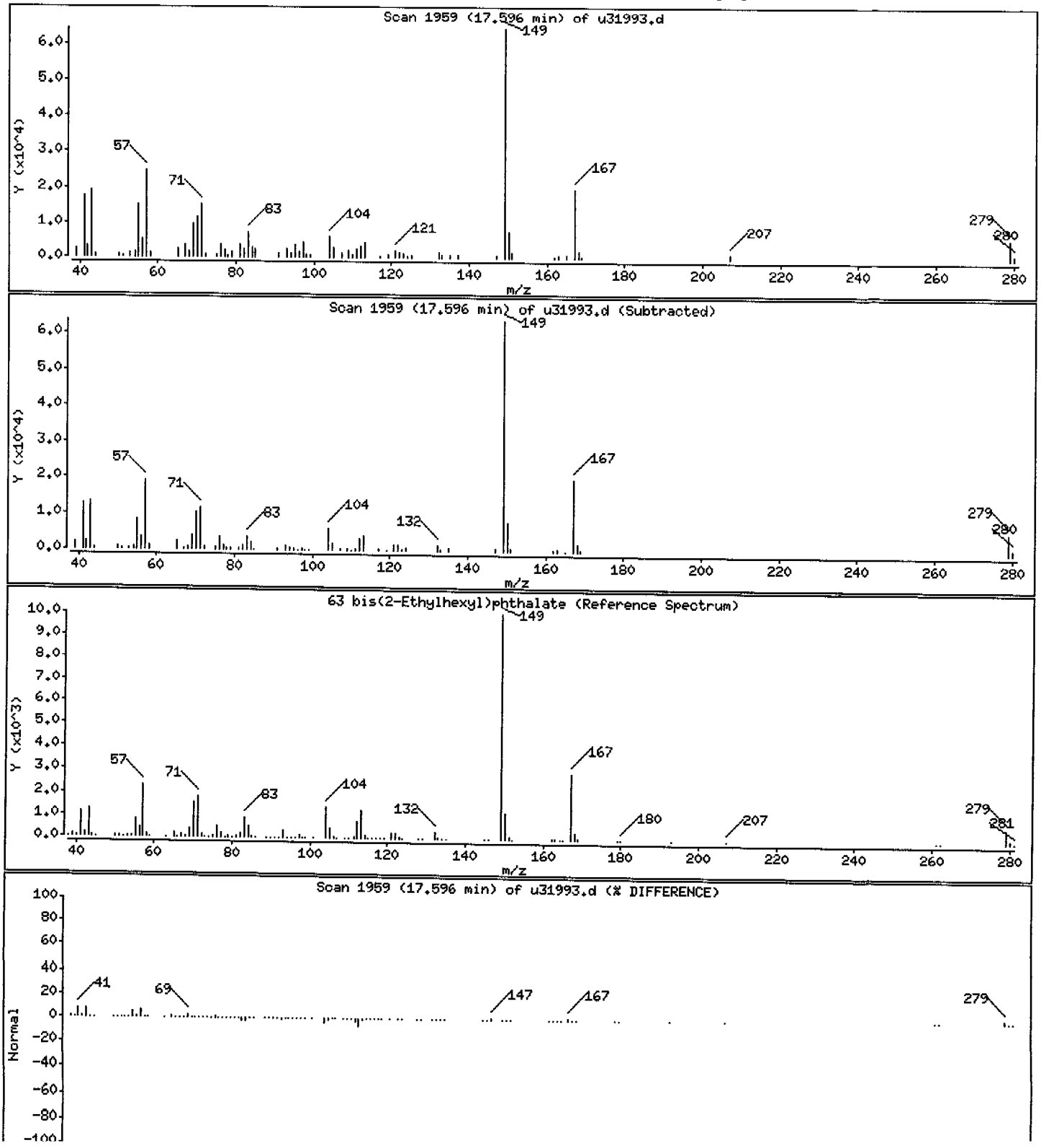
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 5000 ug/Kg



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Date : 15-SEP-2006 08:32

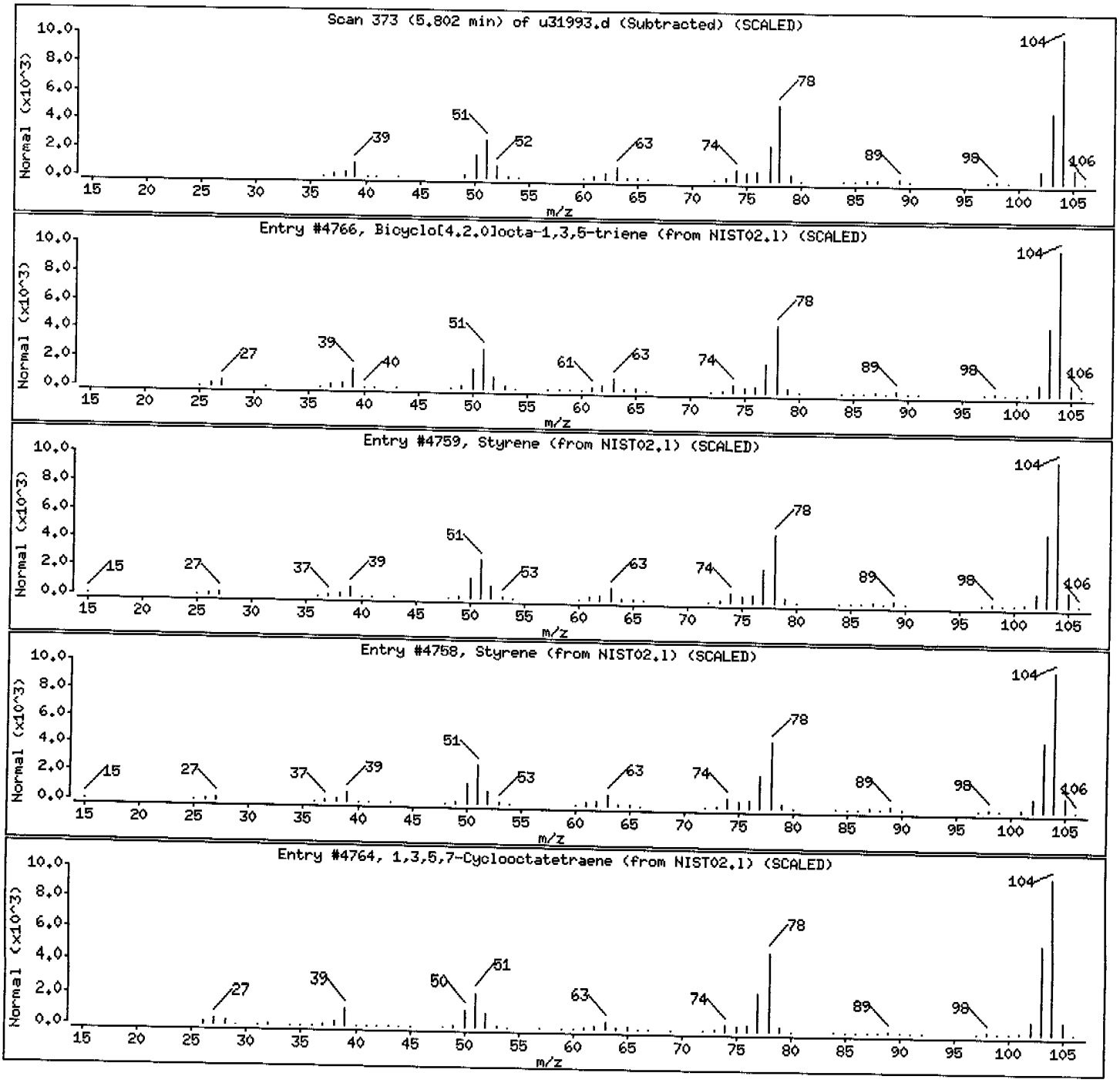
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bicyclo[4.2.0]octa-1,3,5-triene	694-87-1	NIST02.l	4766	96	C8H8	104
Styrene	100-42-5	NIST02.l	4759	96	C8H8	104
Styrene	100-42-5	NIST02.l	4758	96	C8H8	104
1,3,5,7-Cyclooctatetraene	629-20-9	NIST02.l	4764	95	C8H8	104



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Date : 15-SEP-2006 08:32

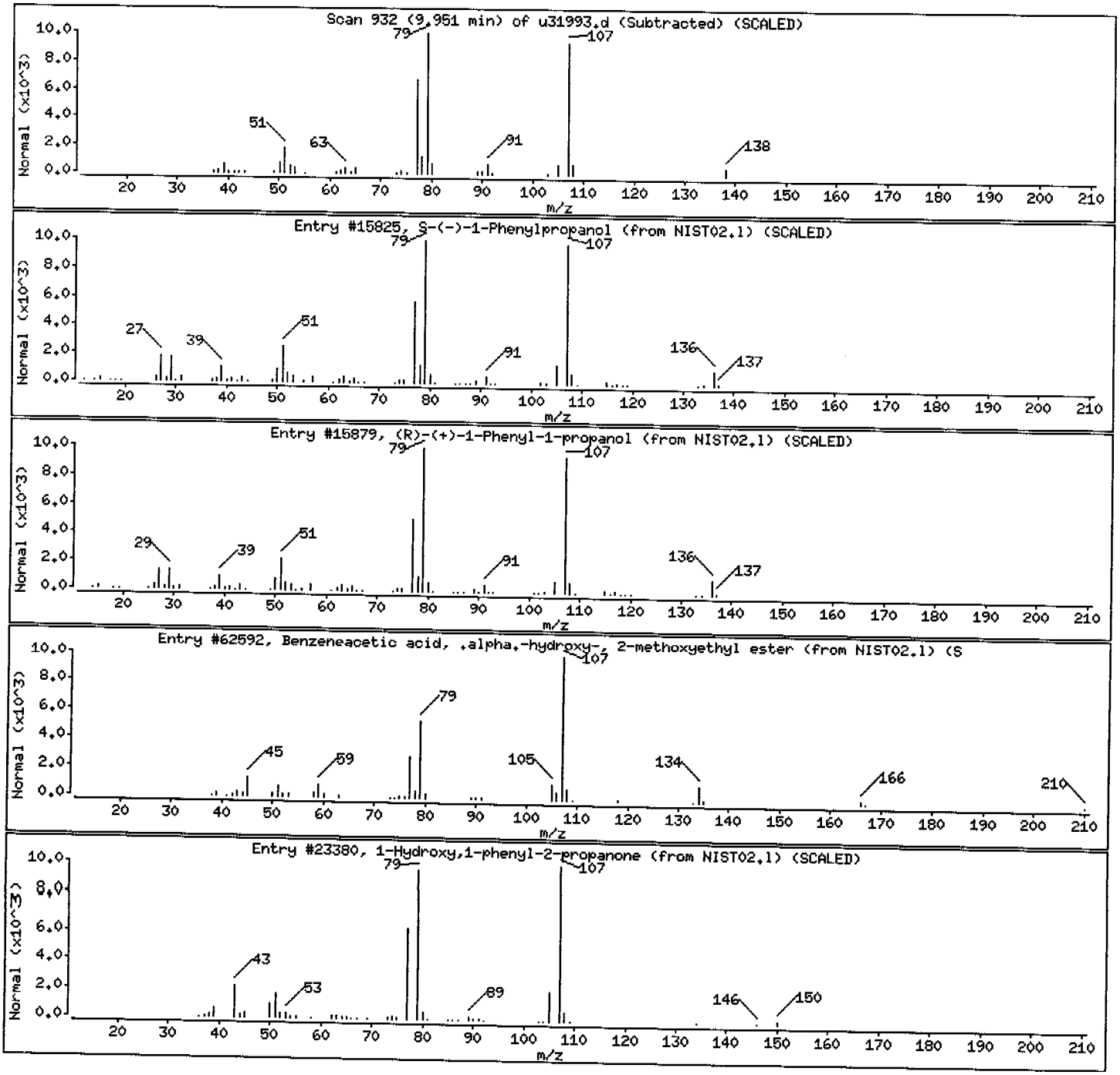
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
S-(-)-1-Phenylpropanol	613-87-6	NIST02.l	15825	83	C9H12O	136
(R)-(+)-1-Phenyl-1-propanol	1565-74-8	NIST02.l	15879	83	C9H12O	136
Benzeneacetic acid, .alpha.-hydroxy-, 2-	1000221-86-4	NIST02.l	62592	83	C11H14O4	210
1-Hydroxy,1-phenyl-2-propanone	1000222-86-8	NIST02.l	23380	78	C9H10O2	150



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Date : 15-SEP-2006 08:32

Client ID: B1403-SS01

Instrument: BNAMS4.i

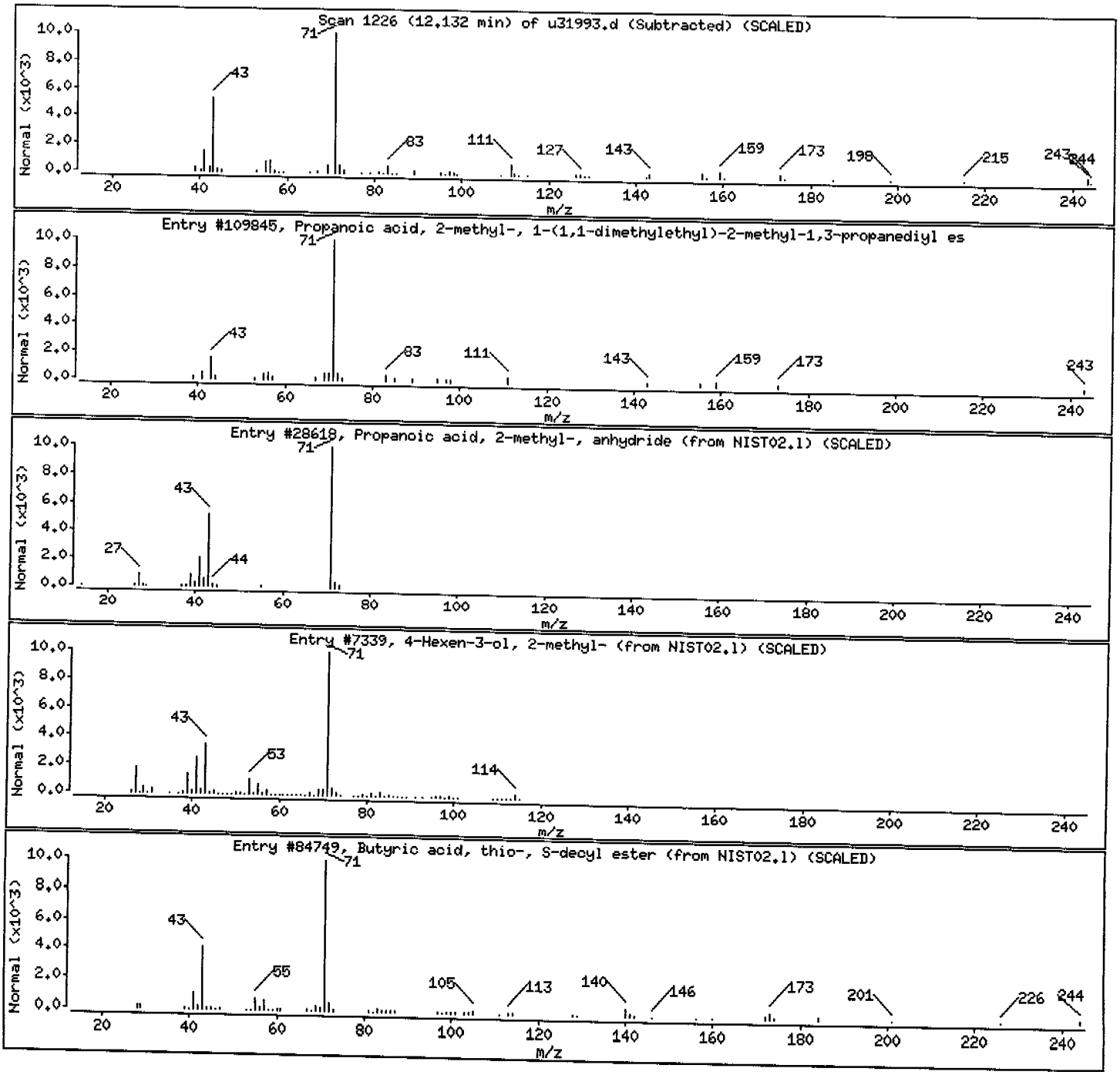
Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-methyl-, 1-(1,1-dimeth	74381-40-1	NIST02.l	109845	64	C16H3004	286
Propanoic acid, 2-methyl-, anhydride	97-72-3	NIST02.l	28618	45	C8H1403	158
4-Hexen-3-ol, 2-methyl-	4798-60-1	NIST02.l	7339	45	C7H140	114
Butyric acid, thio-, S-decyl ester	2432-55-5	NIST02.l	84749	39	C14H280S	244



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Date : 15-SEP-2006 08:32

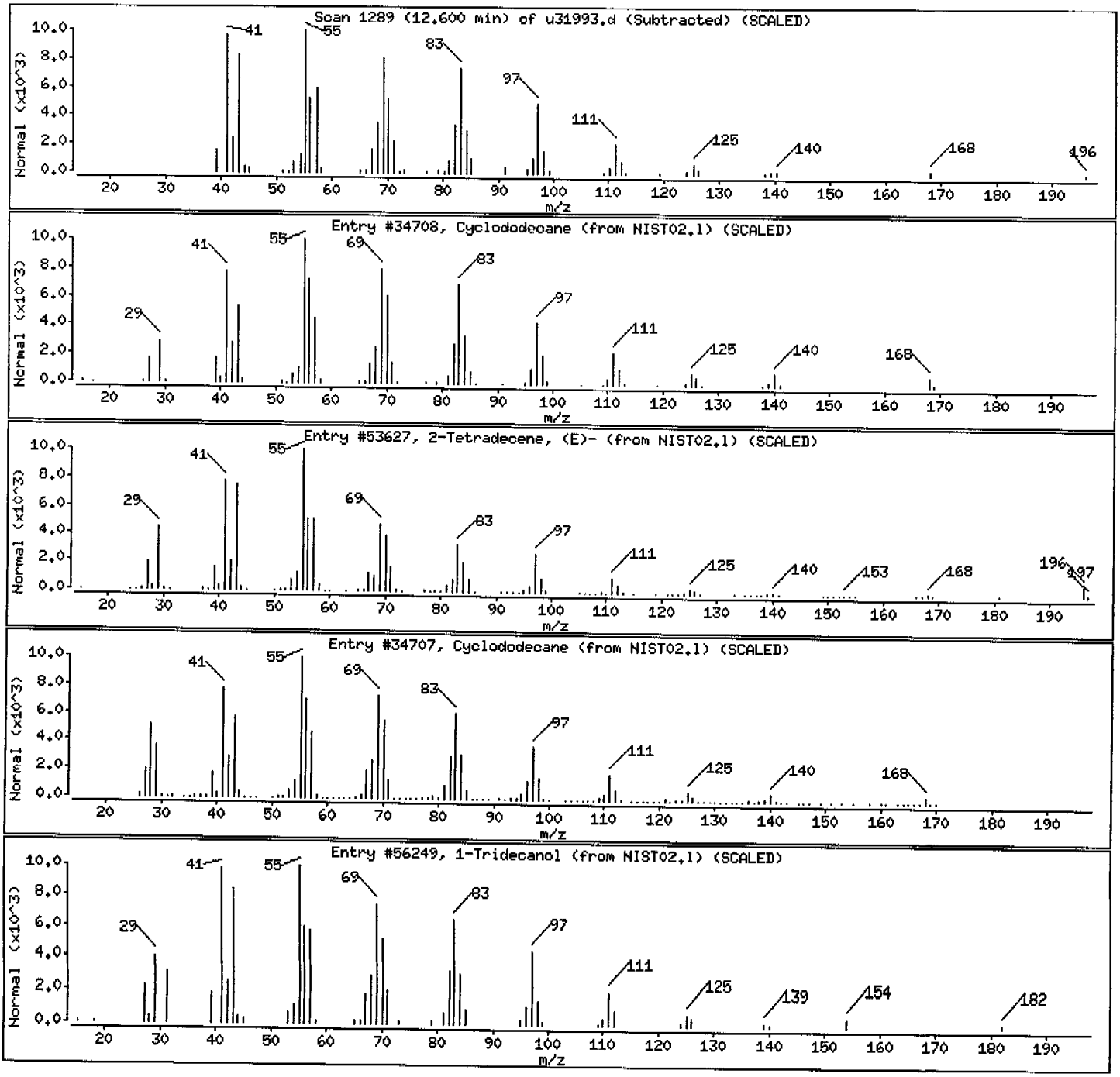
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Cyclododecane	294-62-2	NIST02.l	34708	96	C12H24	168
2-Tetradecene, (E)-	35953-53-8	NIST02.l	53627	95	C14H28	196
Cyclododecane	294-62-2	NIST02.l	34707	93	C12H24	168
1-Tridecanol	112-70-9	NIST02.l	56249	91	C13H28O	200



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Date : 15-SEP-2006 08:32

Client ID: B1403-SS01

Instrument: BNAMS4.i

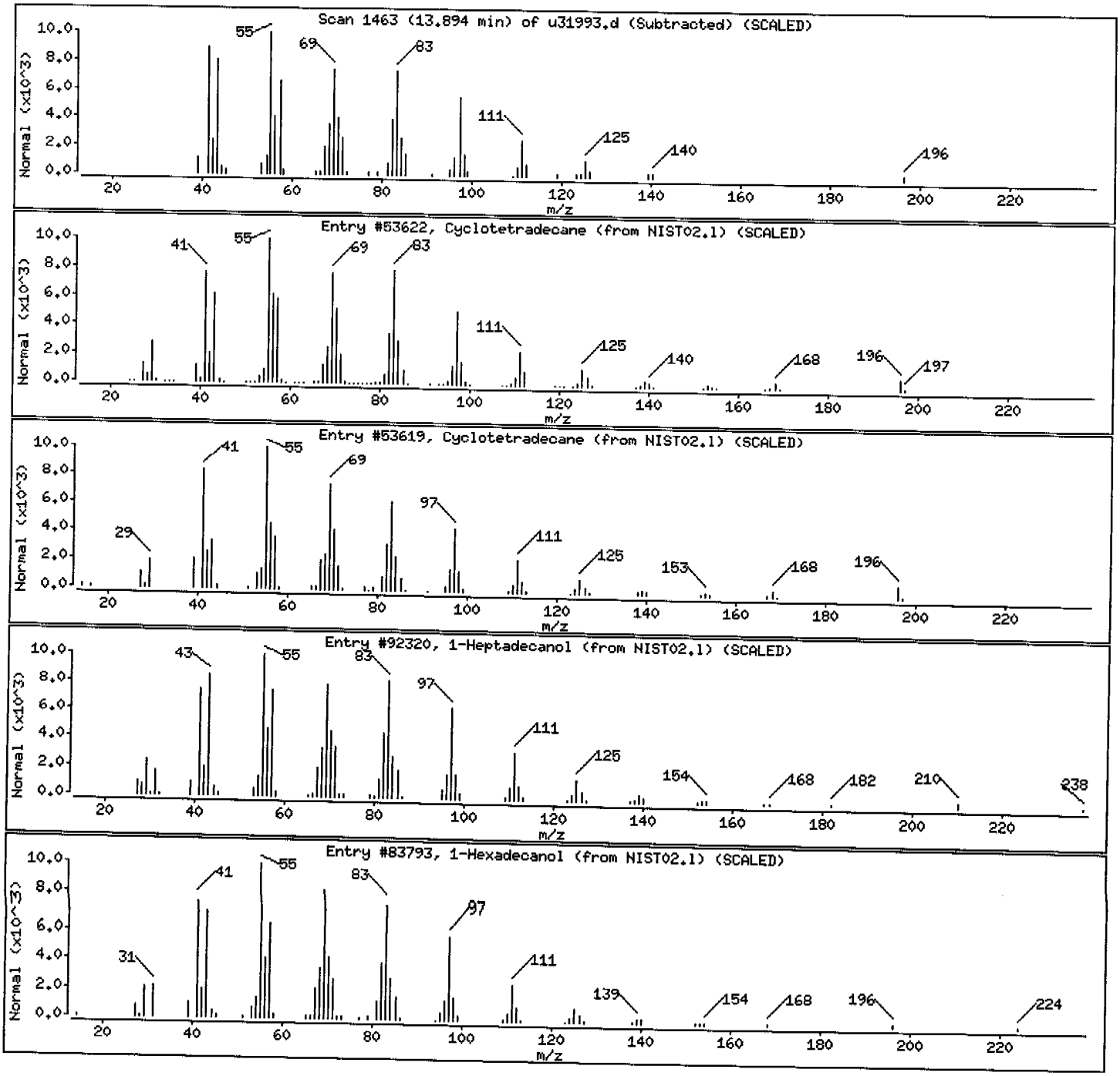
Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Cyclotetradecane	295-17-0	NIST02.l	53622	97	C14H28	196
Cyclotetradecane	295-17-0	NIST02.l	53619	97	C14H28	196
1-Heptadecanol	1454-85-9	NIST02.l	92320	95	C17H360	256
1-Hexadecanol	36653-82-4	NIST02.l	83793	95	C16H340	242



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Date : 15-SEP-2006 08:32

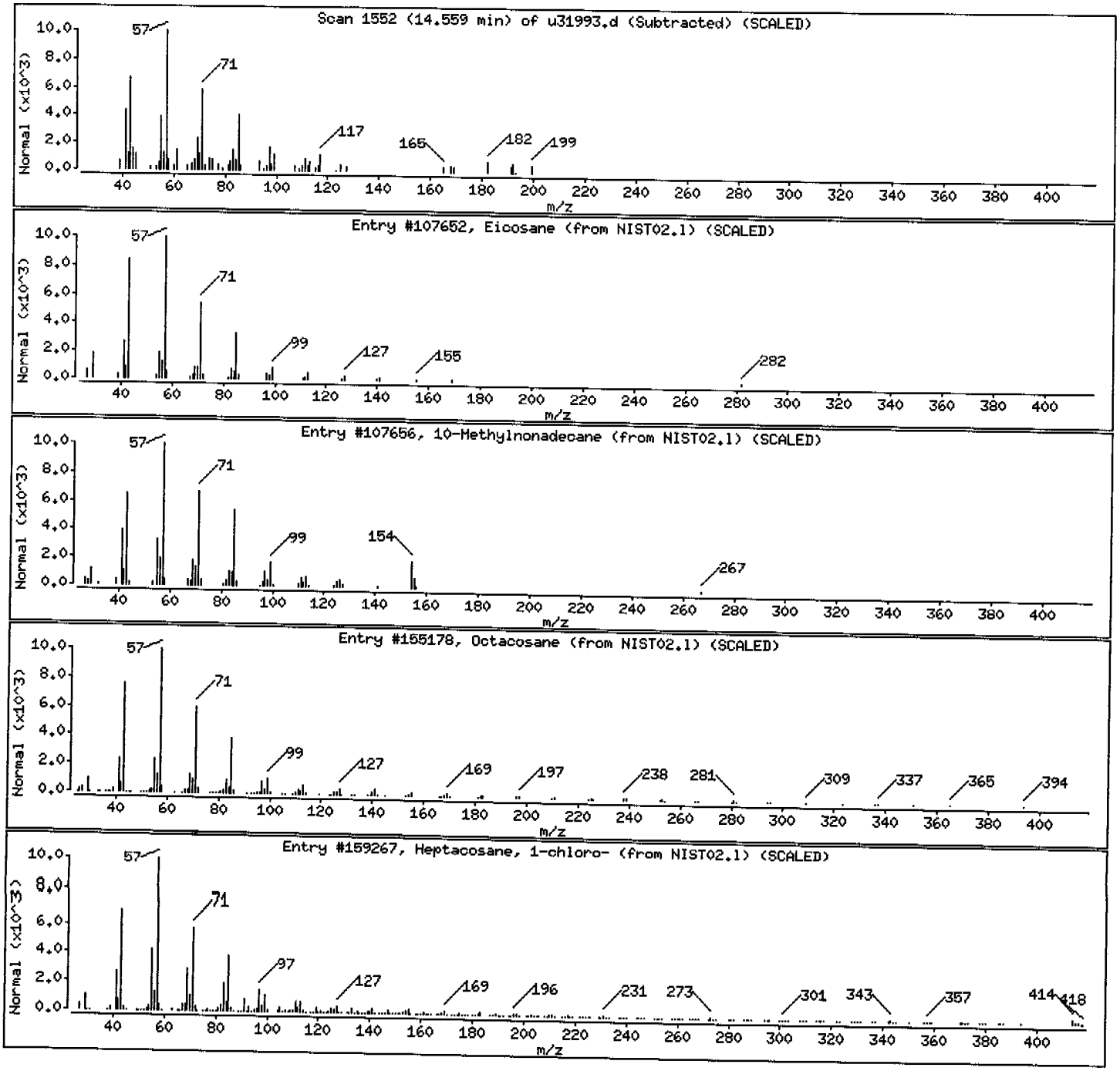
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST02.l	107652	68	C20H42	282
10-Methylnonadecane	56862-62-5	NIST02.l	107656	68	C20H42	282
Octacosane	630-02-4	NIST02.l	155178	64	C28H58	394
Heptacosane, 1-chloro-	62016-79-9	NIST02.l	159267	64	C27H55Cl	414



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Date : 15-SEP-2006 08:32

Client ID: B1403-SS01

Instrument: BNAMS4.i

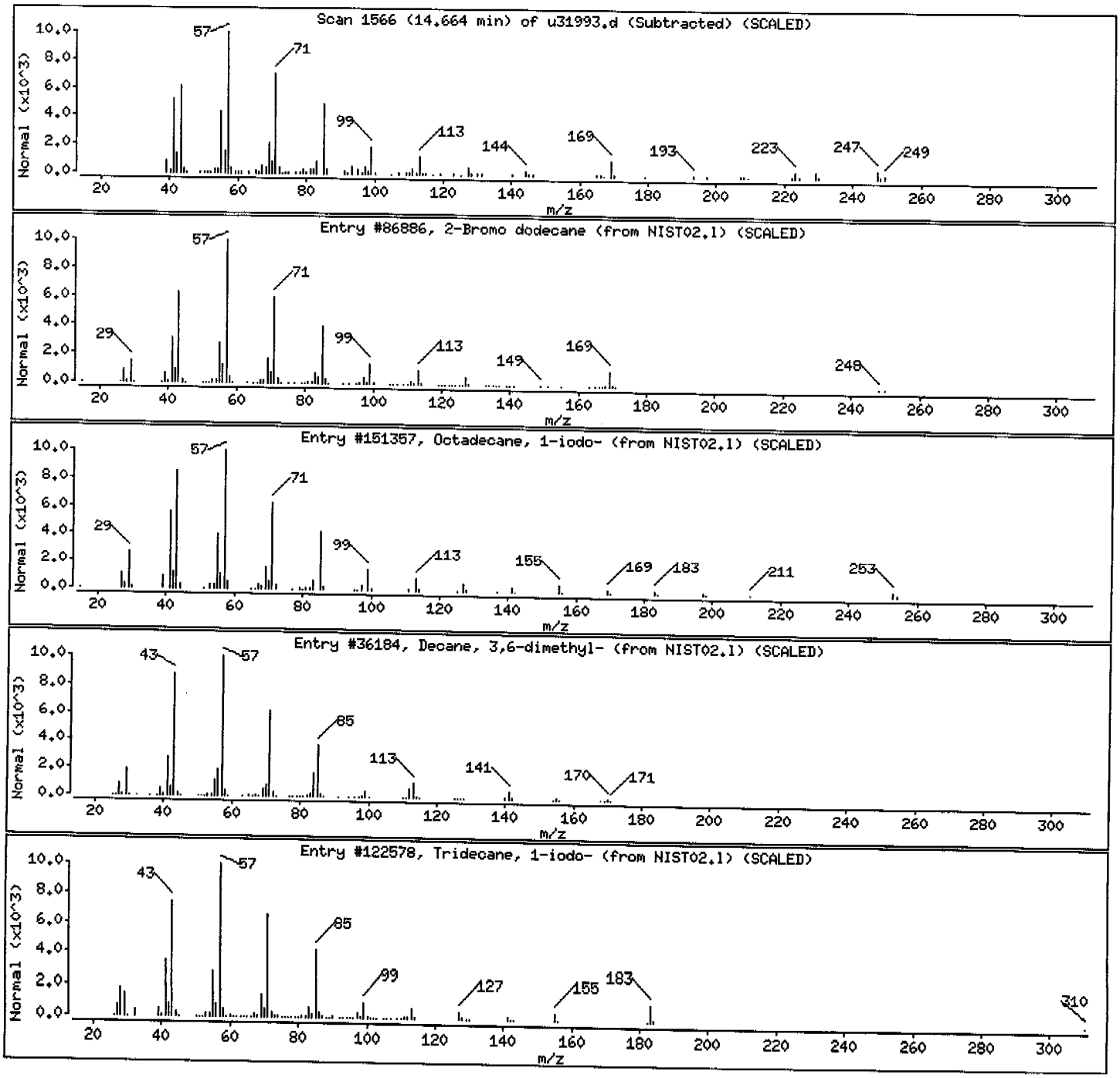
Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
2-Bromo dodecane	13187-99-0	NIST02.l	86886	87	C12H25Br	248
Octadecane, 1-iodo-	629-93-6	NIST02.l	151357	80	C18H37I	380
Decane, 3,6-dimethyl-	17312-53-7	NIST02.l	36184	72	C12H26	170
Tridecane, 1-iodo-	35599-77-0	NIST02.l	122578	64	C13H27I	310



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Date : 15-SEP-2006 08:32

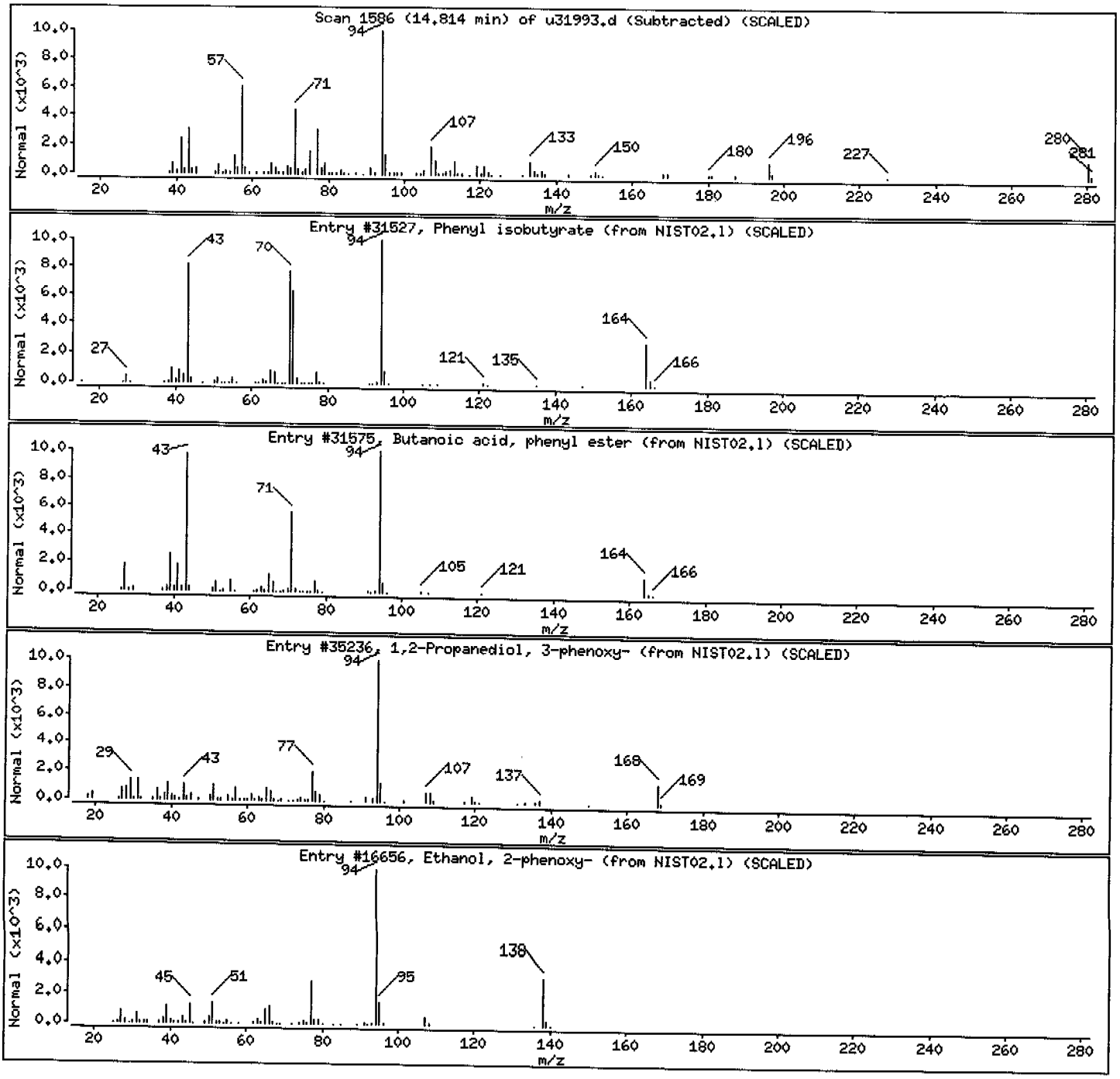
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Phenyl isobutyrate	20279-29-2	NIST02.l	31527	50	C10H1202	164
Butanoic acid, phenyl ester	4346-18-3	NIST02.l	31575	47	C10H1202	164
1,2-Propanediol, 3-phenoxy-	538-43-2	NIST02.l	35236	43	C9H1203	168
Ethanol, 2-phenoxy-	122-99-6	NIST02.l	16656	43	C8H1002	138



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Date : 15-SEP-2006 08:32

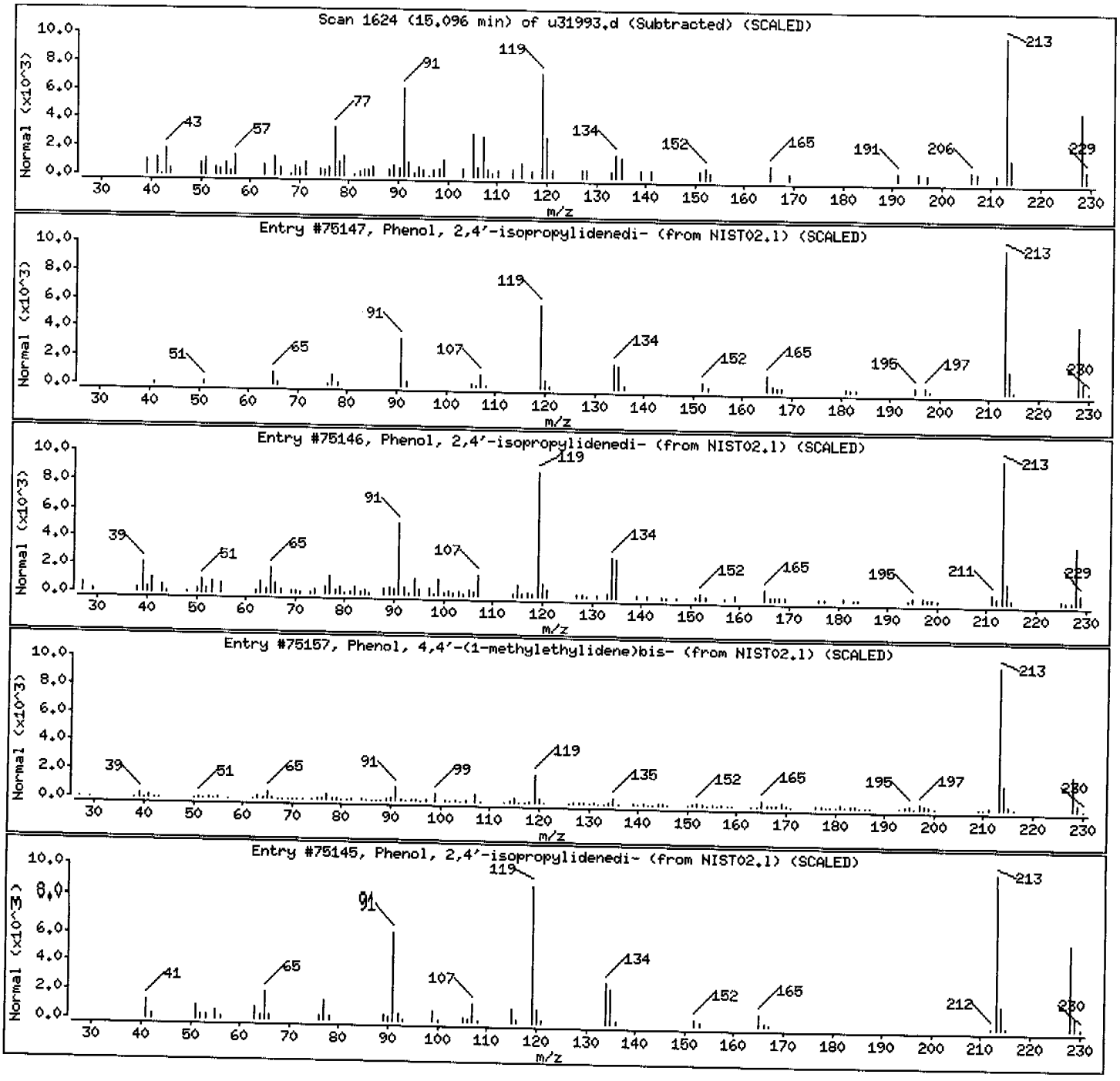
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropylidenediphenol isomer		NIST02.l	75147	94	C15H1602	228
Phenol, 2,4'-isopropylidenedi-	837-08-1	NIST02.l	75146	83	C15H1602	228
Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	NIST02.l	75157	81	C15H1602	228
Phenol, 2,4'-isopropylidenedi-	837-08-1	NIST02.l	75145	70	C15H1602	228



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Date : 15-SEP-2006 08:32

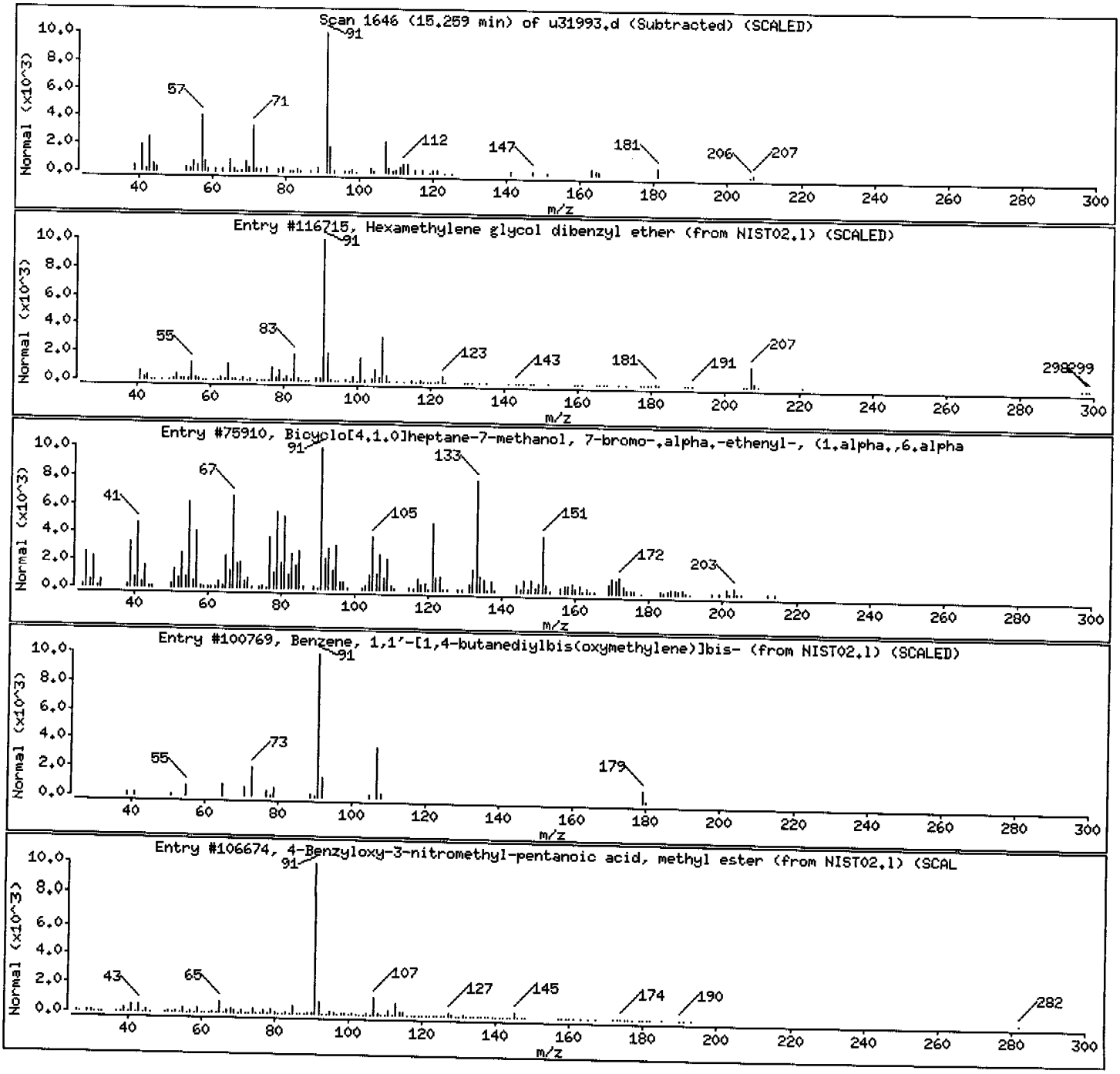
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Hexamethylene glycol dibenzyl ether	123826-83-5	NIST02.l	116715	38	C20H26O2	298
Bicyclo[4.1.0]heptane-7-methanol, 7-brom	82253-01-8	NIST02.l	75910	38	C10H15BrO	230
Benzene, 1,1'-[1,4-butanediylbis(oxymeth	6282-65-1	NIST02.l	100769	37	C18H22O2	270
4-Benzyloxy-3-nitromethyl-pentanoic acid	1000190-85-1	NIST02.l	106674	35	C14H19NO5	281



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d

Date : 15-SEP-2006 08:32

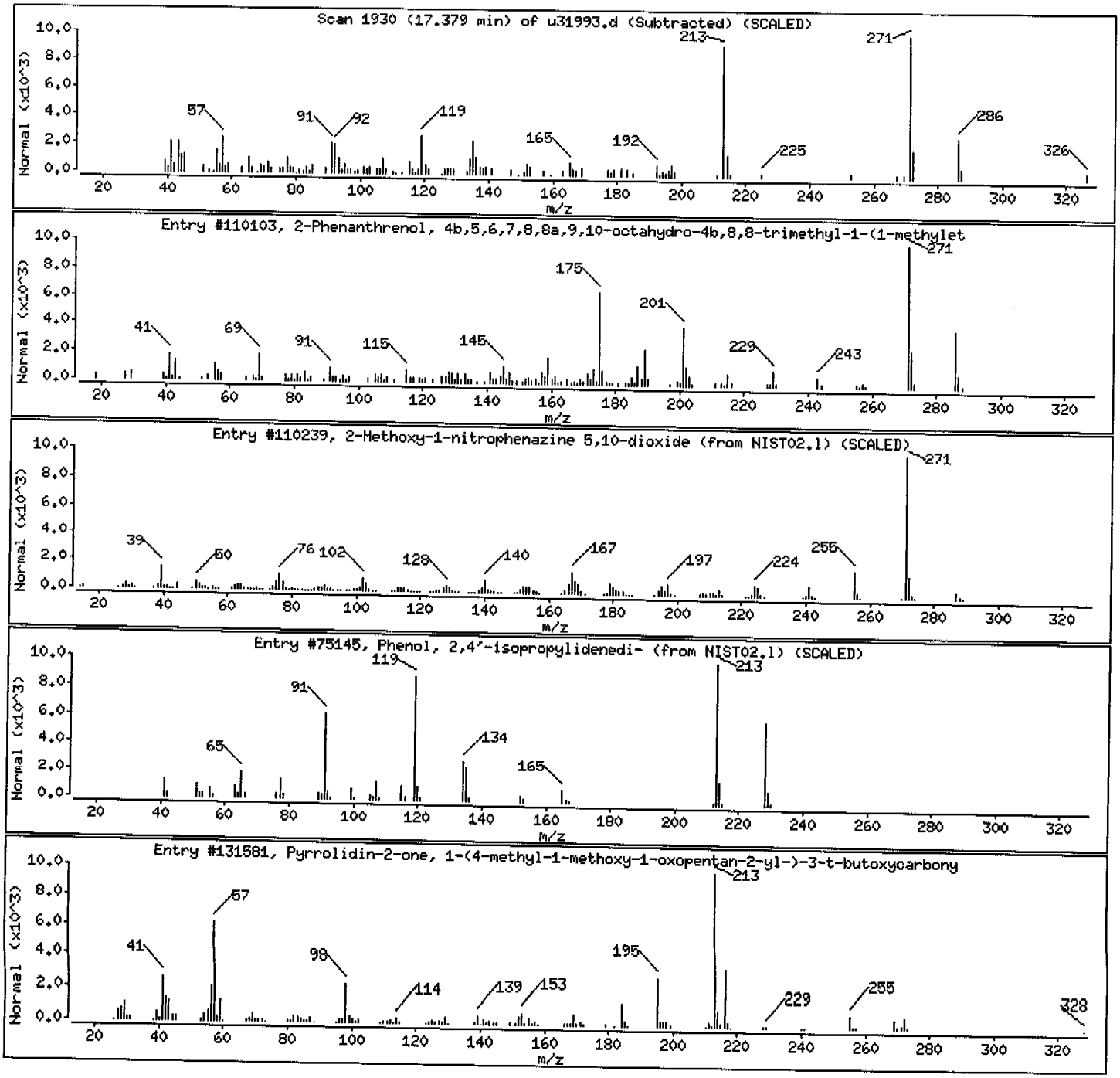
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	511-15-9	NIST02.l	110103	35	C20H30O	286
2-Methoxy-1-nitrophenazine 5,10-dioxide	23677-09-0	NIST02.l	110239	30	C13H9N3O5	287
Phenol, 2,4'-isopropylidenedi-	837-08-1	NIST02.l	75145	27	C15H16O2	228
Pyrrolidin-2-one, 1-(4-methyl-1-methoxy-	1000191-57-4	NIST02.l	131581	27	C16H28N2O5	328



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d

Date : 15-SEP-2006 08:32

Client ID: B1403-SS01

Instrument: BNAMS4.i

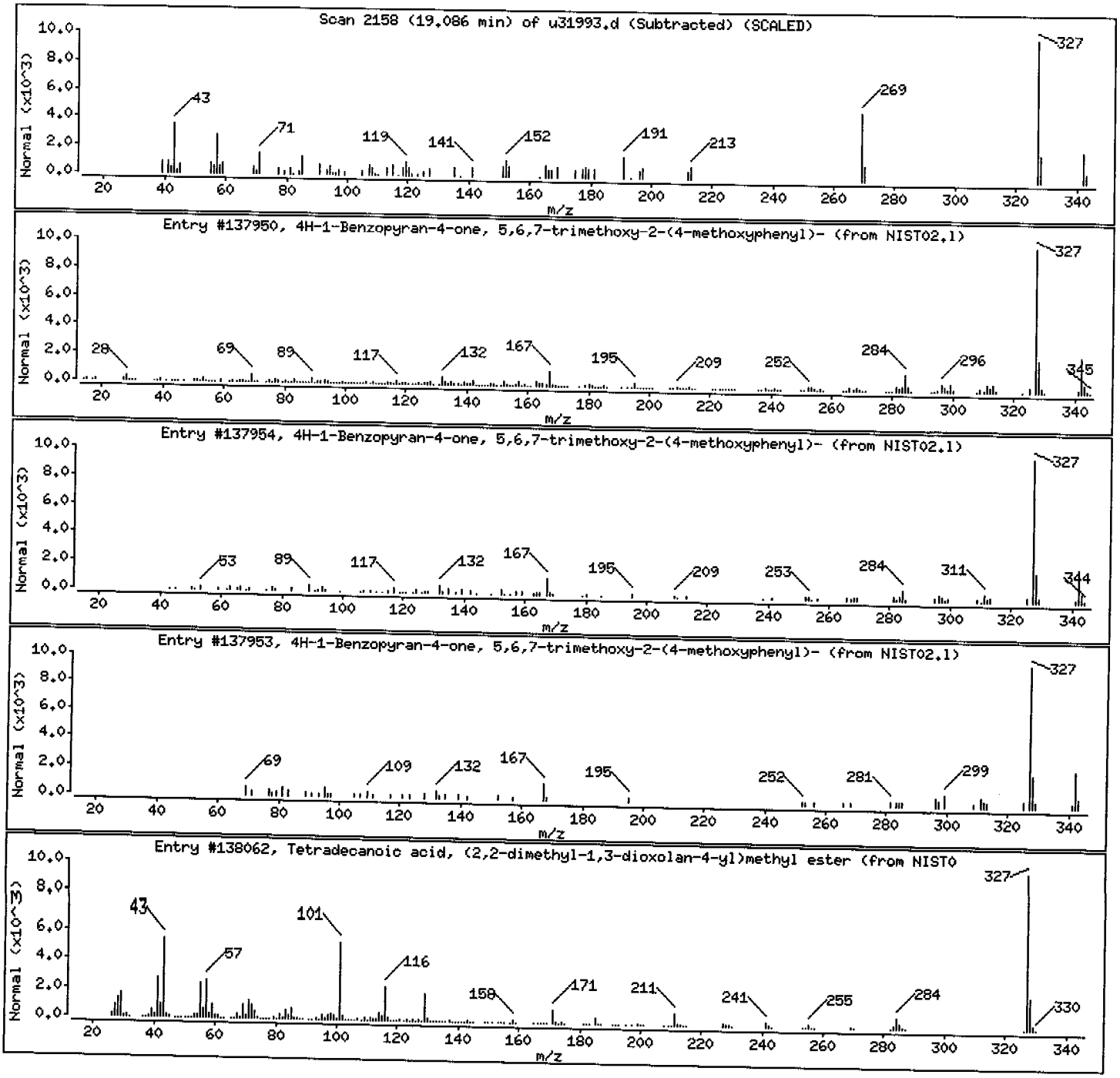
Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4H-1-Benzopyran-4-one, 5,6,7-trimethoxy-	1168-42-9	NIST02.l	137950	47	C19H1806	342
4H-1-Benzopyran-4-one, 5,6,7-trimethoxy-	1168-42-9	NIST02.l	137954	47	C19H1806	342
4H-1-Benzopyran-4-one, 5,6,7-trimethoxy-	1168-42-9	NIST02.l	137953	38	C19H1806	342
Tetradecanoic acid, (2,2-dimethyl-1,3-di	56630-71-8	NIST02.l	138062	32	C20H3804	342



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Date : 15-SEP-2006 08:32

Client ID: B1403-SS01

Instrument: BNAMS4.i

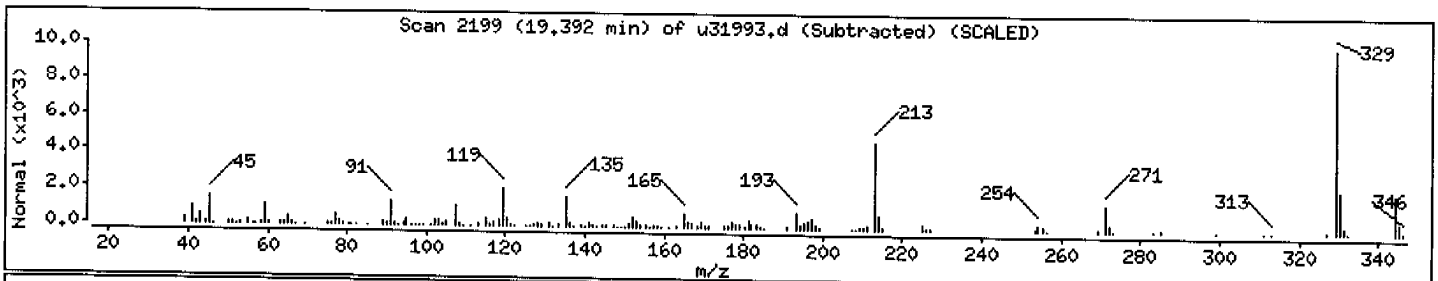
Sample Info: 765439;3205567

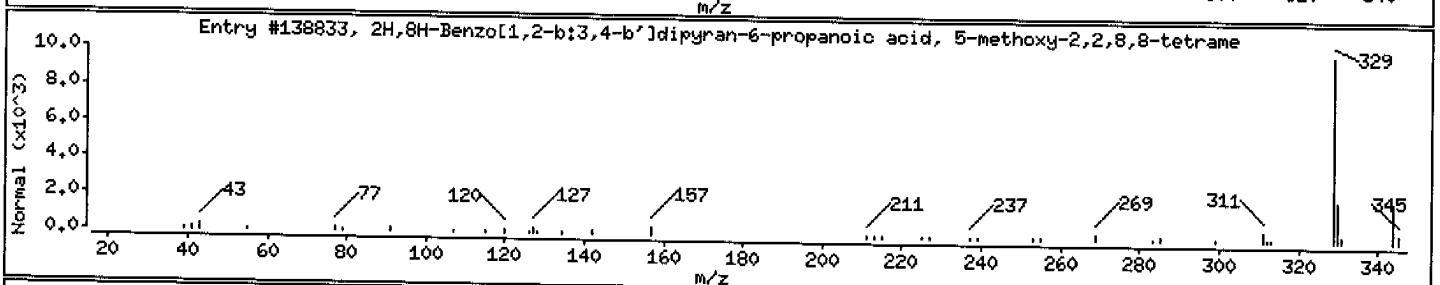
Operator: BNAMS 4

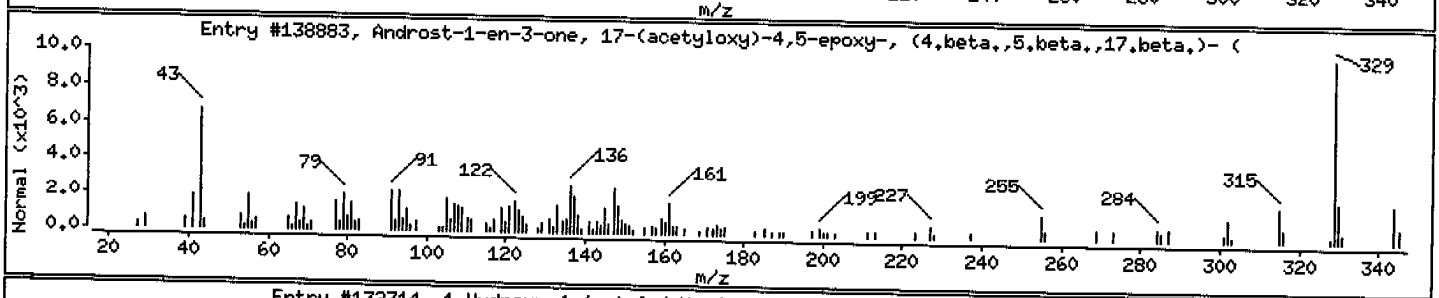
Column phase: DB-5

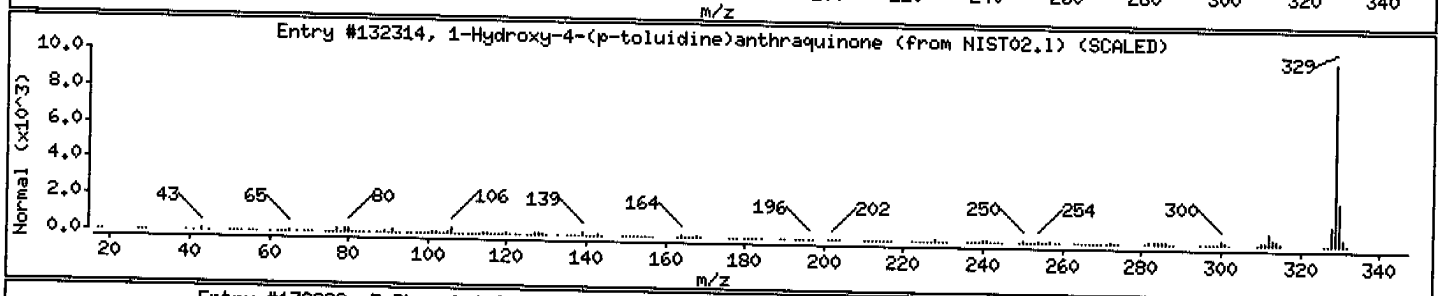
Column diameter: 0.25

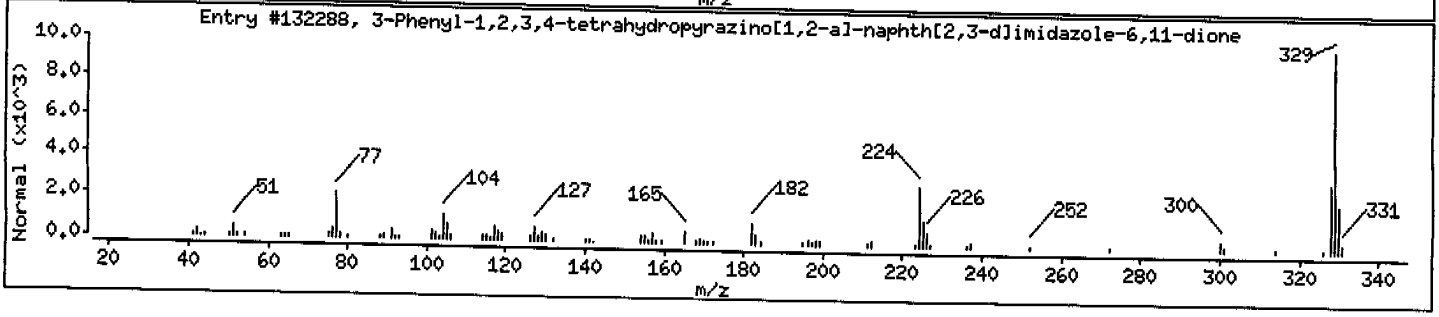
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2H,8H-Benzo[1,2-b:3,4-b']dipyran-6-propa	26535-36-4	NIST02.l	138833	43	C20H2405	344
Androst-1-en-3-one, 17-(acetyloxy)-4,5-e	13731-42-5	NIST02.l	138883	37	C21H2804	344
1-Hydroxy-4-(p-toluidine)anthraquinone	81-48-1	NIST02.l	132314	35	C21H15N03	329
3-Phenyl-1,2,3,4-tetrahydropyrazino[1,2-	1000110-96-7	NIST02.l	132288	25	C20H15N302	329











Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31993.d

Date : 15-SEP-2006 08:32

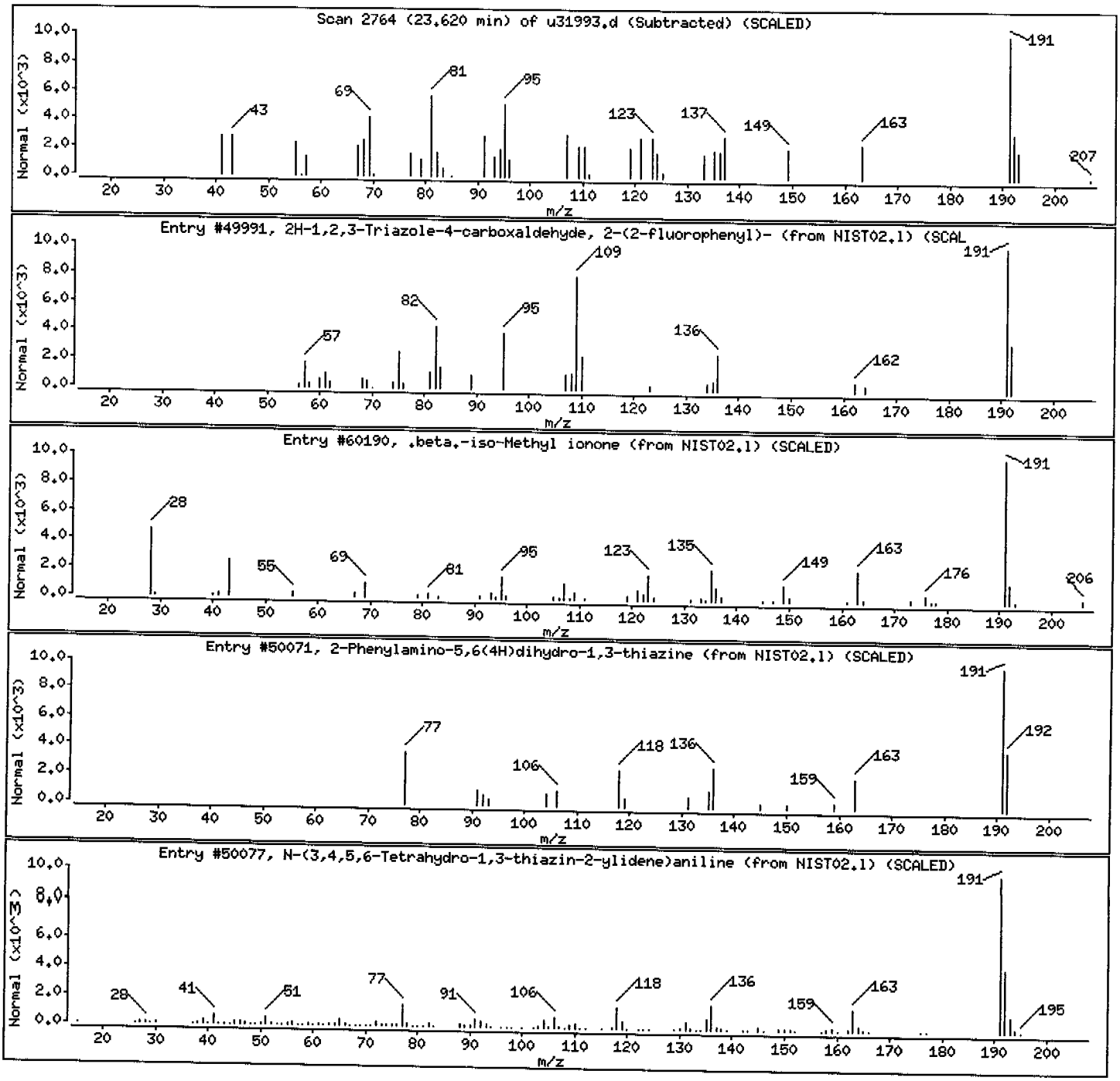
Client ID: B1403-SS01 Instrument: BNAMS4.i

Sample Info: 765439;3205567

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2	51306-43-5	NIST02.l	49991	38	C9H6FN3O	191
.beta.-iso-Methyl ionone	1000285-40-2	NIST02.l	60190	37	C14H22O	206
2-Phenylamino-5,6(4H)dihydro-1,3-thiazin	1000147-35-4	NIST02.l	50071	30	C10H12N2S	192
N-(3,4,5,6-Tetrahydro-1,3-thiazin-2-ylid	3420-40-4	NIST02.l	50077	27	C10H12N2S	192



Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample No: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31994.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	370
1,3-Dichlorobenzene	ND	3700
1,4-Dichlorobenzene	ND	3700
1,2-Dichlorobenzene	ND	3700
bis(2-chloroisopropyl)ether	ND	3700
N-Nitroso-di-n-propylamine	ND	370
Hexachloroethane	ND	370
Nitrobenzene	ND	370
Isophorone	ND	3700
bis(2-Chloroethoxy)methane	ND	3700
1,2,4-Trichlorobenzene	ND	370
Naphthalene	ND	3700
4-Chloroaniline	ND	3700
Hexachlorobutadiene	ND	740
2-Methylnaphthalene	ND	3700
Hexachlorocyclopentadiene	ND	3700
2-Chloronaphthalene	ND	3700
2-Nitroaniline	ND	7400
Dimethylphthalate	ND	3700
Acenaphthylene	ND	3700
2,6-Dinitrotoluene	ND	740
3-Nitroaniline	ND	7400
Acenaphthene	ND	3700
Dibenzofuran	ND	3700
2,4-Dinitrotoluene	ND	740
Diethylphthalate	ND	3700
4-Chlorophenyl-phenylether	ND	3700
Fluorene	ND	3700
4-Nitroaniline	ND	7400
N-Nitrosodiphenylamine	ND	3700
4-Bromophenyl-phenylether	ND	3700
Hexachlorobenzene	ND	370
Phenanthrene	ND	3700
Anthracene	ND	3700

Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample No: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31994.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3700
Di-n-butylphthalate	6200	3700
Fluoranthene	ND	3700
Pyrene	ND	3700
Butylbenzylphthalate	ND	3700
3,3'-Dichlorobenzidine	ND	7400
Benzo(a)anthracene	ND	370
Chrysene	ND	3700
bis(2-Ethylhexyl)phthalate	ND	3700
Di-n-octylphthalate	ND	3700
Benzo(b)fluoranthene	ND	370
Benzo(k)fluoranthene	ND	370
Benzo(a)pyrene	ND	370
Indeno(1,2,3-cd)pyrene	ND	370
Dibenz(a,h)anthracene	ND	370
Benzo(g,h,i)perylene	ND	3700

Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample No: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/15/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31994.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 9.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	6.17	13000	
2.	Unknown	8.48	16000	
3.	Unknown	8.94	81000	
4.	Unknown	8.96	5600	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 115600

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d
Report Date: 18-Sep-2006 14:41

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d
Lab Smp Id: 765440 Client Smp ID: B1404-SS01
Inj Date : 15-SEP-2006 09:09
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 765440;3205584
Misc Info : W345;SB241;QA4554
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/8270C6-1.m
Meth Date : 15-Sep-2006 06:11 vanamans Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 16
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

9/19/06

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	9.90000	% Moisture

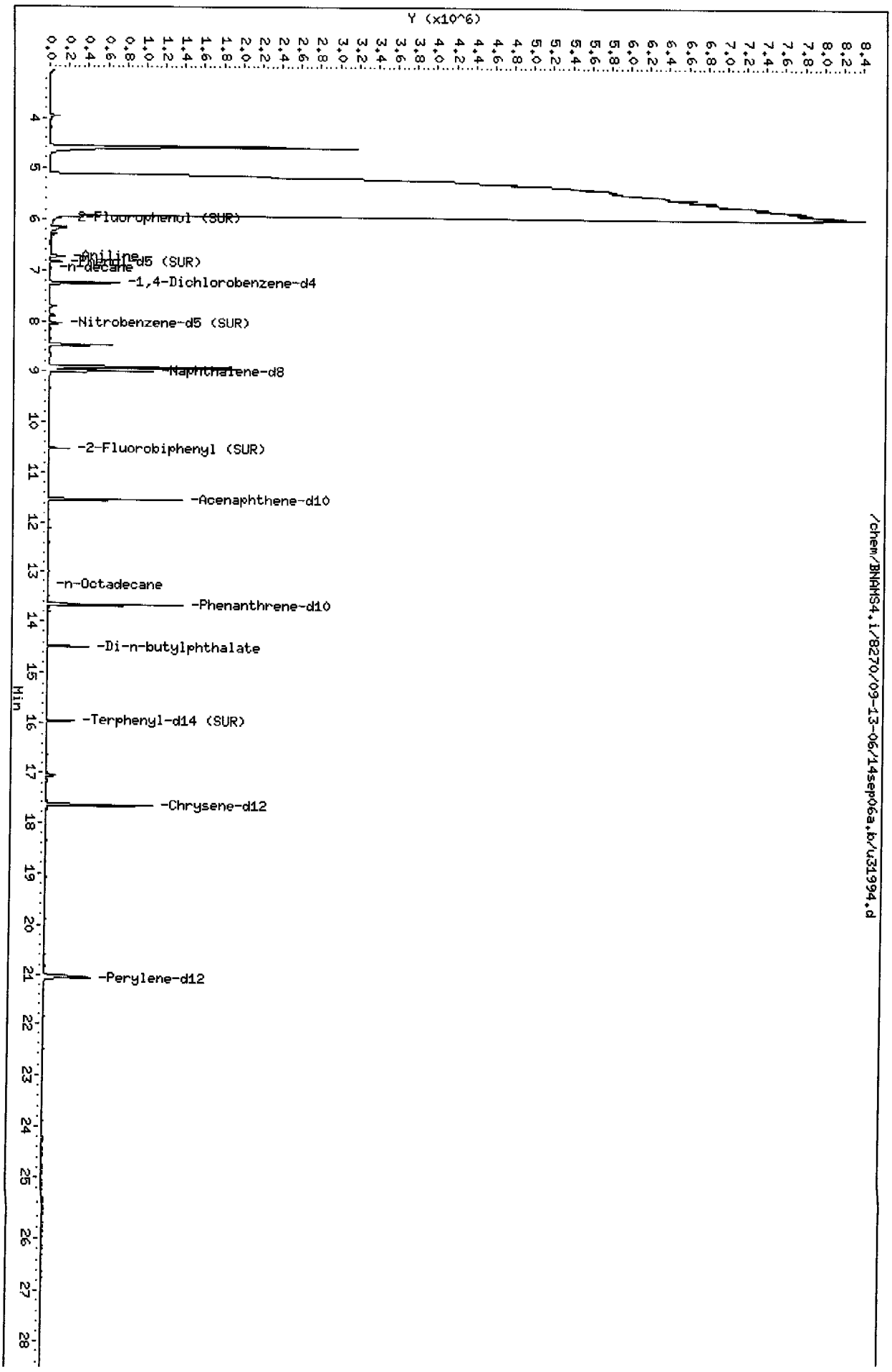
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.985	5.543	(0.827)	7389	1.10862	820(aRH)
$ 17 Phenol-d5 (SUR)	99	6.832	6.732	(0.943)	40459	4.47362	3300(a)
* 79 1,4-Dichlorobenzene-d4	152	7.241	7.194	(1.000)	165982	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.040	8.001	(0.893)	39118	5.21805	3900
* 80 Naphthalene-d8	136	9.003	8.980	(1.000)	556753	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.525	10.525	(0.913)	79024	5.82759	4300
* 82 Acenaphthene-d10	164	11.531	11.532	(1.000)	417489	40.0000	
* 83 Phenanthrene-d10	188	13.664	13.668	(1.000)	752780	40.0000	
55 Di-n-butylphthalate	149	14.488	14.487	(1.060)	265117	8.42933	6200
$ 78 Terphenyl-d14 (SUR)	244	15.946	15.954	(0.903)	123018	6.82584	5000
* 81 Chrysene-d12	240	17.662	17.666	(1.000)	819832	40.0000	
* 84 Perylene-d12	264	21.049	21.060	(1.000)	553354	40.0000	

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d
Report Date: 18-Sep-2006 14:41

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.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Date : 15-SEP-2006 09:09
Client ID: B1404-SS01
Sample Info: 765440;3205584
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d
Y (x10^6)
Min
2-Fluorophenol (SUR)
-Aniline
-Phenol-d5 (SUR)
-n-decane
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-n-Octadecane
-Phenanthrene-d10
-Di-n-butylphthalate
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d

Date : 15-SEP-2006 09:09

Client ID: B1404-SS01

Instrument: BNAMS4.i

Sample Info: 765440;3205584

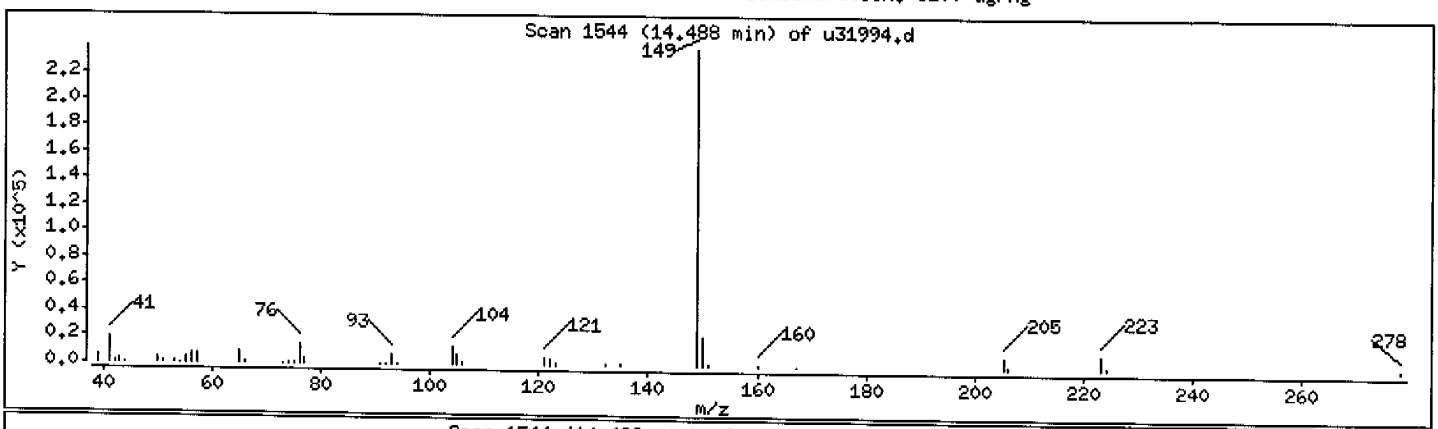
Operator: BNAMS 4

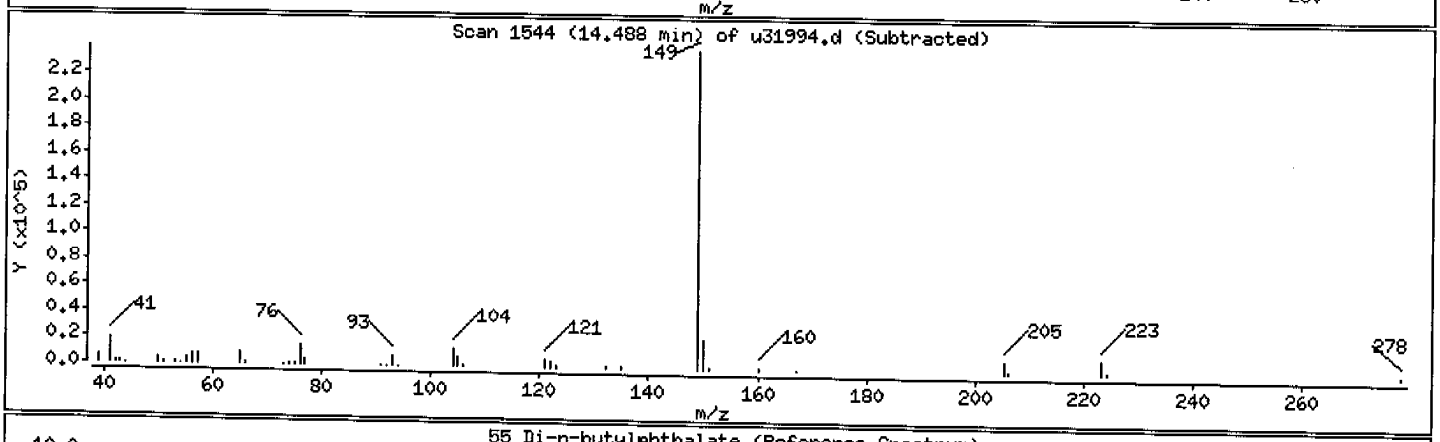
Column phase: DB-5

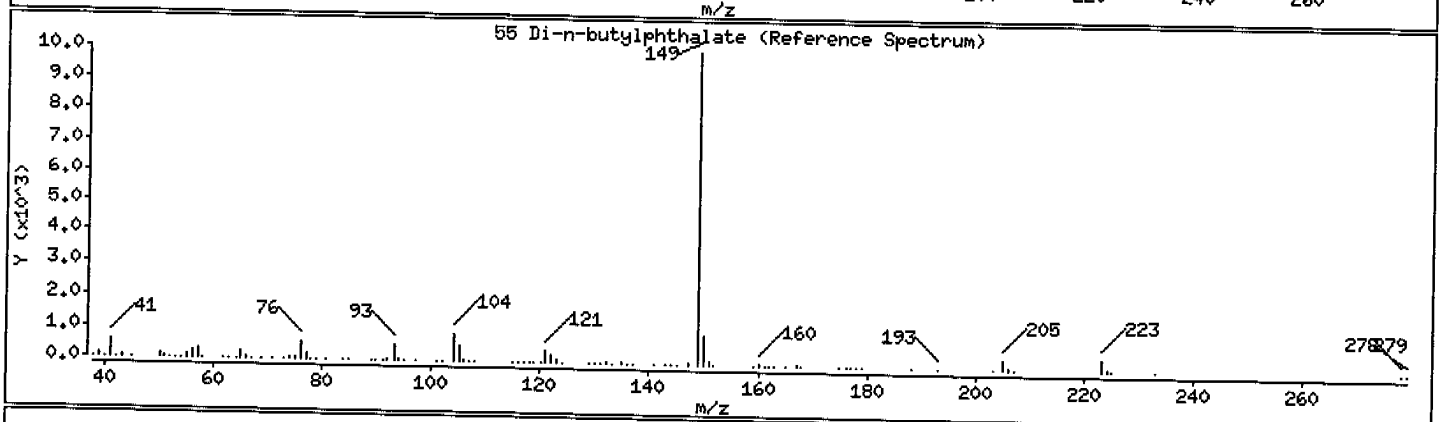
Column diameter: 0.25

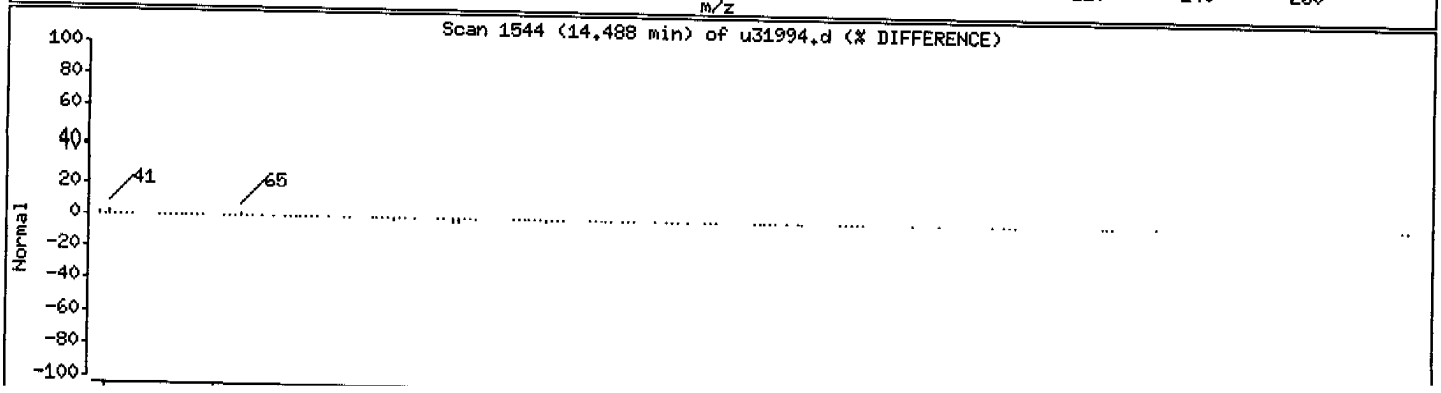
55 Di-n-butylphthalate

Concentration: 6200 ug/Kg









Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d

Date : 15-SEP-2006 09:09

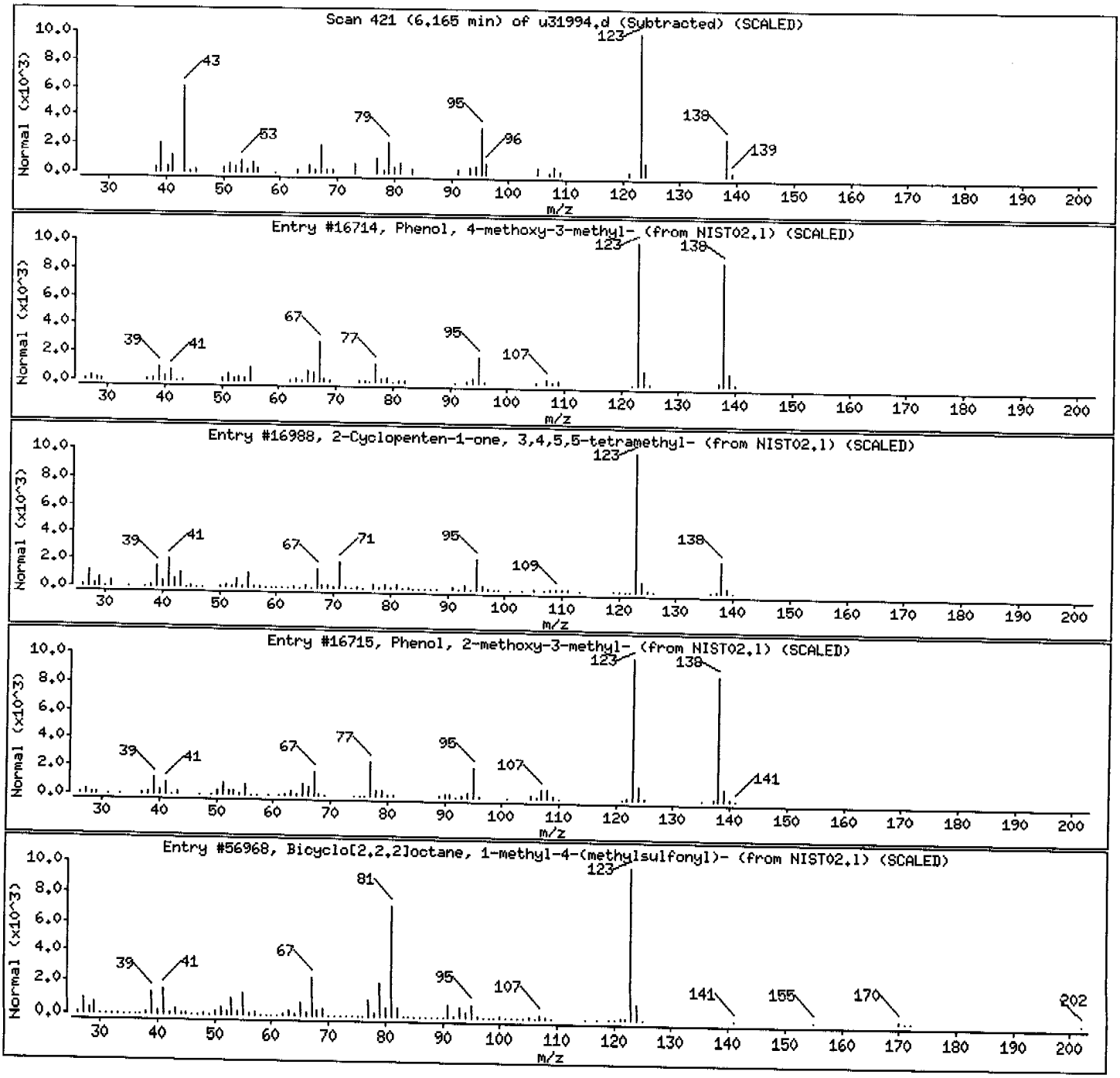
Client ID: B1404-SS01 Instrument: BNAMS4.i

Sample Info: 765440;3205584

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Phenol, 4-methoxy-3-methyl-	14786-82-4	NIST02.l	16714	74	C8H10O2	138
2-Cyclopenten-1-one, 3,4,5,5-tetramethyl	90611-02-2	NIST02.l	16988	72	C9H14O	138
Phenol, 2-methoxy-3-methyl-	18102-31-3	NIST02.l	16715	64	C8H10O2	138
Bicyclo[2.2.2]octane, 1-methyl-4-(methyl	69855-48-7	NIST02.l	56968	59	C10H18O2S	202



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d

Date : 15-SEP-2006 09:09

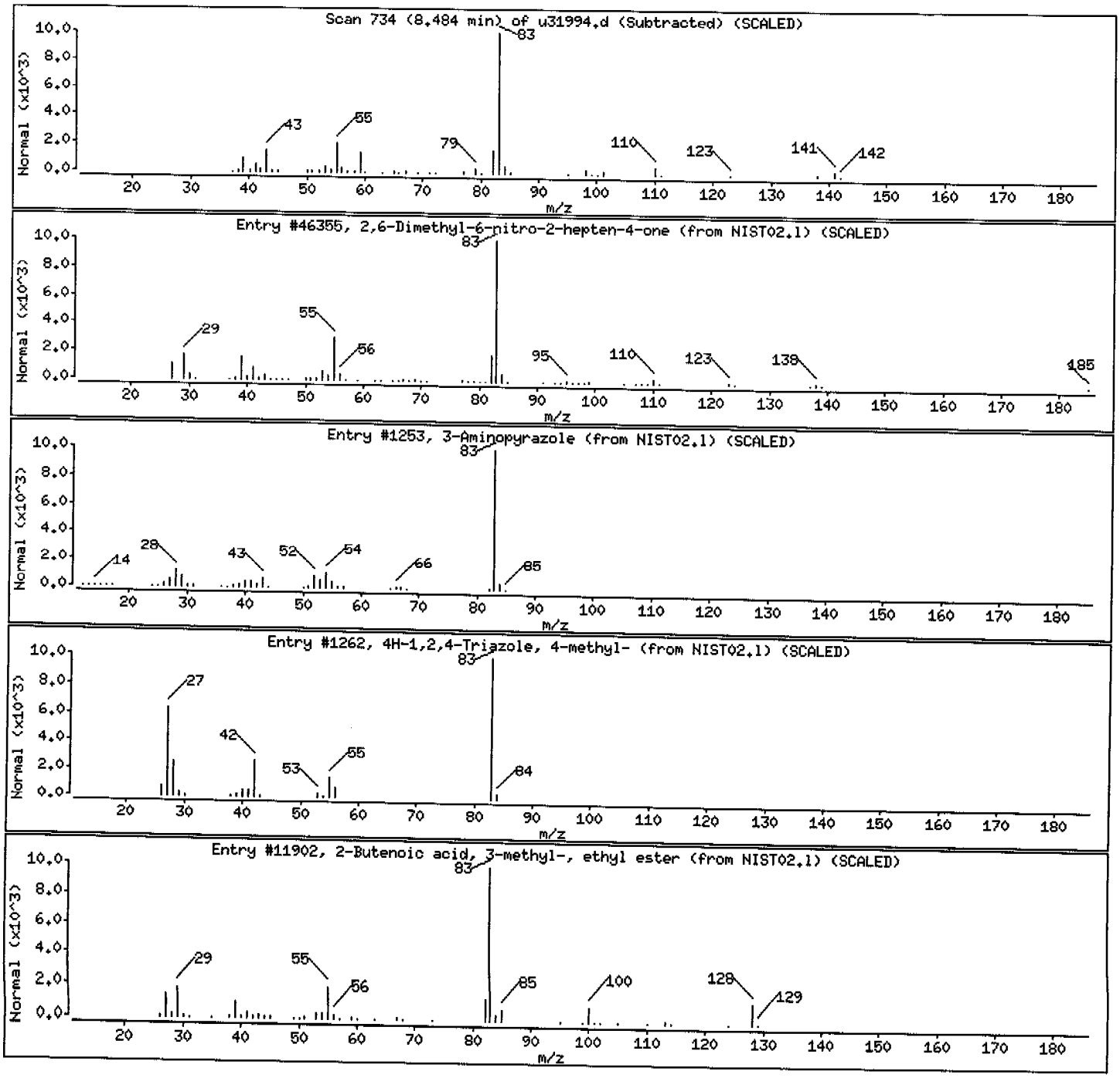
Client ID: B1404-SS01 Instrument: BNAMS4.i

Sample Info: 765440;3205584

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,6-Dimethyl-6-nitro-2-hepten-4-one	73583-56-9	NIST02.l	46355	72	C9H15NO3	185
3-Aminopyrazole	1820-80-0	NIST02.l	1253	53	C3H5N3	83
4H-1,2,4-Triazole, 4-methyl-	10570-40-8	NIST02.l	1262	42	C3H5N3	83
2-Butenoic acid, 3-methyl-, ethyl ester	638-10-8	NIST02.l	11902	39	C7H12O2	128



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d

Date : 15-SEP-2006 09:09

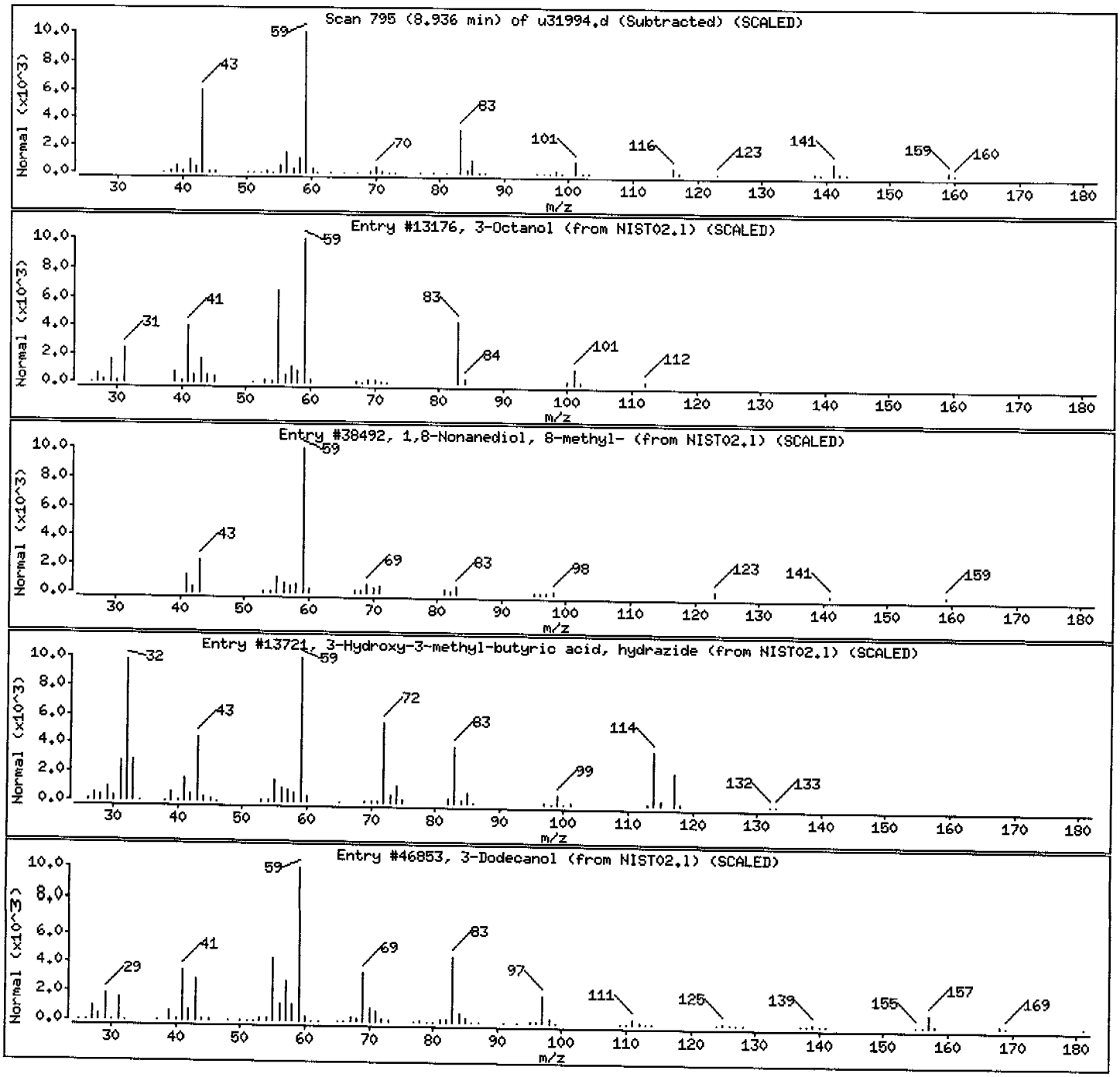
Client ID: B1404-SS01 Instrument: BNAMS4.i

Sample Info: 765440;3205584

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Octanol	589-98-0	NIST02.l	13176	50	C8H18O	130
1,8-Nonanediol, 8-methyl-	54725-73-4	NIST02.l	38492	42	C10H22O2	174
3-Hydroxy-3-methyl-butyric acid, hydrazi	1000193-80-2	NIST02.l	13721	39	C5H12N2O2	132
3-Dodecanol	10203-30-2	NIST02.l	46853	39	C12H26O	186



Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31994.d

Date : 15-SEP-2006 09:09

Client ID: B1404-SS01

Instrument: BNAMS4.i

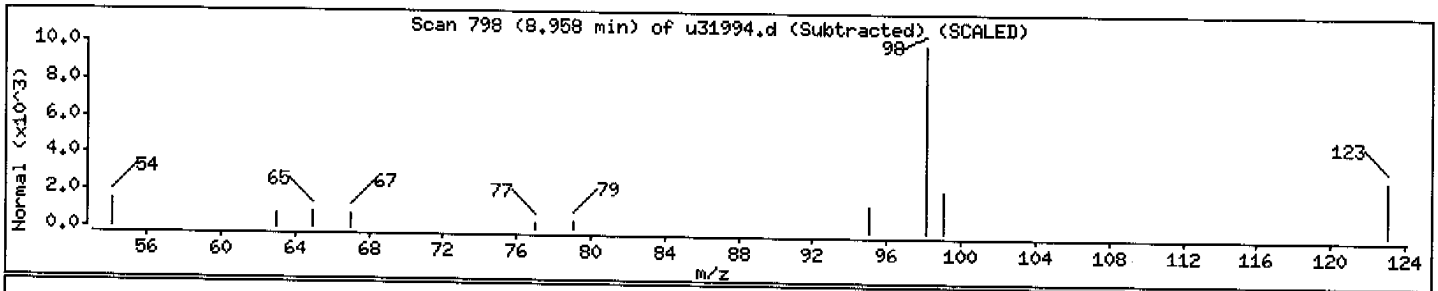
Sample Info: 765440;3205584

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample No: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31966.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	ND	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	ND	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	ND	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	ND	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	ND	400
Anthracene	ND	400

Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample No: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31966.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	400
Di-n-butylphthalate	ND	400
Fluoranthene	ND	400
Pyrene	ND	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	ND	40
Chrysene	ND	400
bis(2-Ethylhexyl)phthalate	ND	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	ND	40
Benzo(k)fluoranthene	ND	40
Benzo(a)pyrene	ND	40
Indeno(1,2,3-cd)pyrene	ND	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	ND	400

Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample No: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/14/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31966.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31966.d
Report Date: 15-Sep-2006 02:31

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

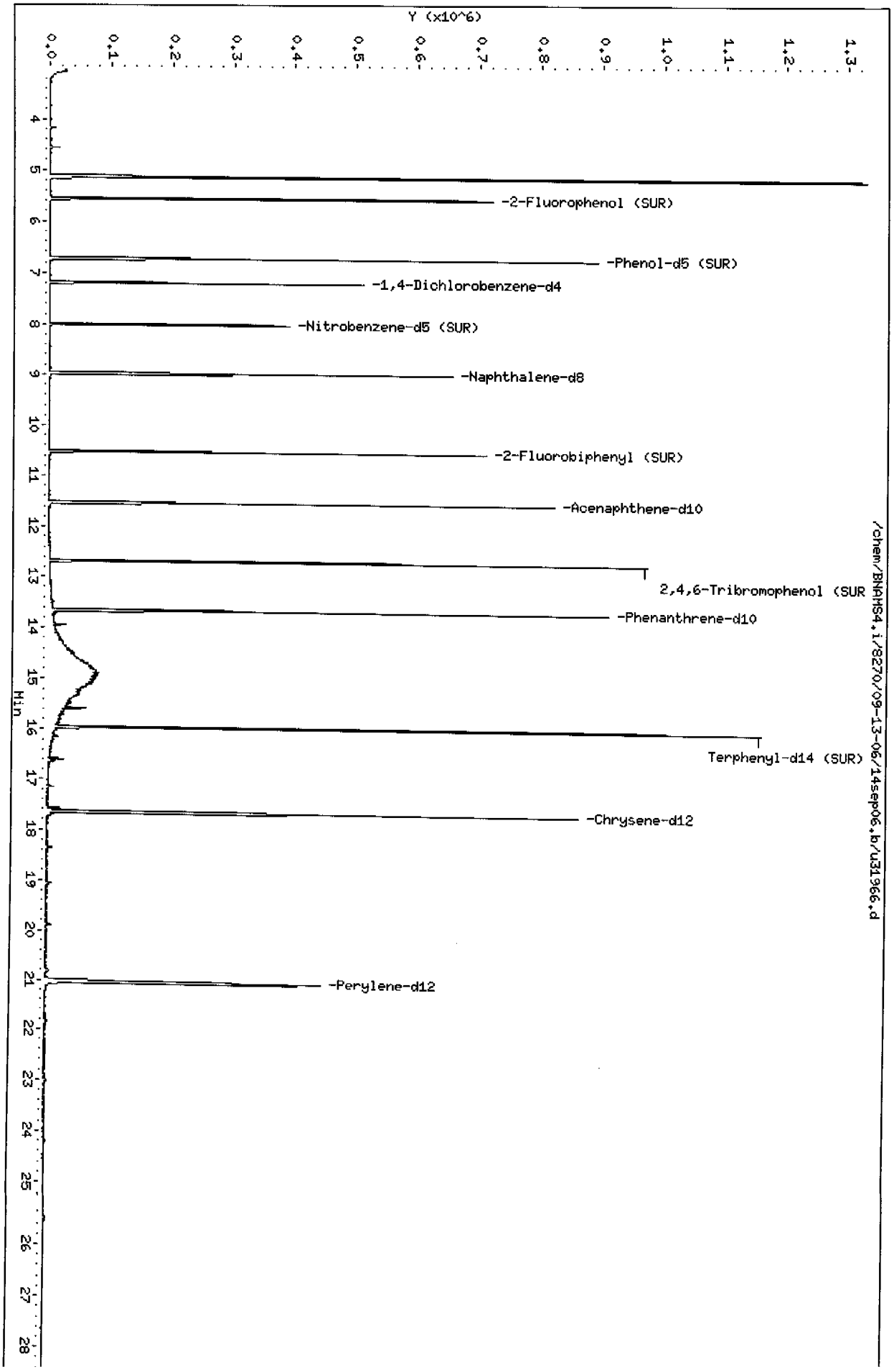
Data file : /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31966.d
Lab Smp Id: 765441 Client Smp ID: B1404-SS02
Inj Date : 14-SEP-2006 15:06
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 765441;3205601
Misc Info : W345;SB241;QA4554
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/14sep06.b/8270C6-1.m
Meth Date : 15-Sep-2006 01:11 asfawa Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	16.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.557	5.547	(0.772)	200691	63.2613	5000
$ 17 Phenol-d5 (SUR)	99	6.735	6.736	(0.936)	314996	73.1747	5800
* 79 1,4-Dichlorobenzene-d4	152	7.194	7.195	(1.000)	79004	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.993	8.000	(0.891)	160389	35.2725	2800
* 80 Naphthalene-d8	136	8.974	8.983	(1.000)	337701	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.523	10.534	(0.913)	260686	31.5809	2500
* 82 Acenaphthene-d10	164	11.530	11.537	(1.000)	254137	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.685	12.691	(1.100)	147643	75.5969	6000
* 83 Phenanthrene-d10	188	13.659	13.670	(1.000)	452436	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.955	15.955	(0.904)	481850	34.2197	2700
* 81 Chrysene-d12	240	17.655	17.668	(1.000)	640543	40.0000	
* 84 Perylene-d12	264	21.038	21.063	(1.000)	565589	40.0000	


Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31966.d
Date : 14-SEP-2006 15:06
Client ID: B1404-SS02
Sample Info: 765441;3205601
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
Min
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31966.d

Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U31722

DFTPP Injection Date: 08/31/06

Instrument ID: BNAMS4

DFTPP Injection Time: 0920

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	74.2
70	Less than 2.0% of mass 69	0.4 (0.5)1
127	40.0 - 60.0% of mass 198	53.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	27.4
365	Greater than 1.0% of mass 198	4.69
441	0.0 - 100.0% of mass 443	9.1 (78.3)2
442	40.0 - 110.0% of mass 198	59.5
443	17.0 - 23.0% of mass 442	11.6 (19.5)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD050	USTD050	U31723	08/31/06	0941
02	USTD020	USTD020	U31724	08/31/06	1114
03	USTD010	USTD010	U31725	08/31/06	1151
04	USTD005	USTD005	U31726	08/31/06	1229
05	USTD080	USTD080	U31727	08/31/06	1306
06	USTD120	USTD120	U31728	08/31/06	1343
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/08-31-06/31Aug06.b/u31722.d

Date : 31-AUG-2006 09:20

Client ID:

Instrument: BNAMS4.i

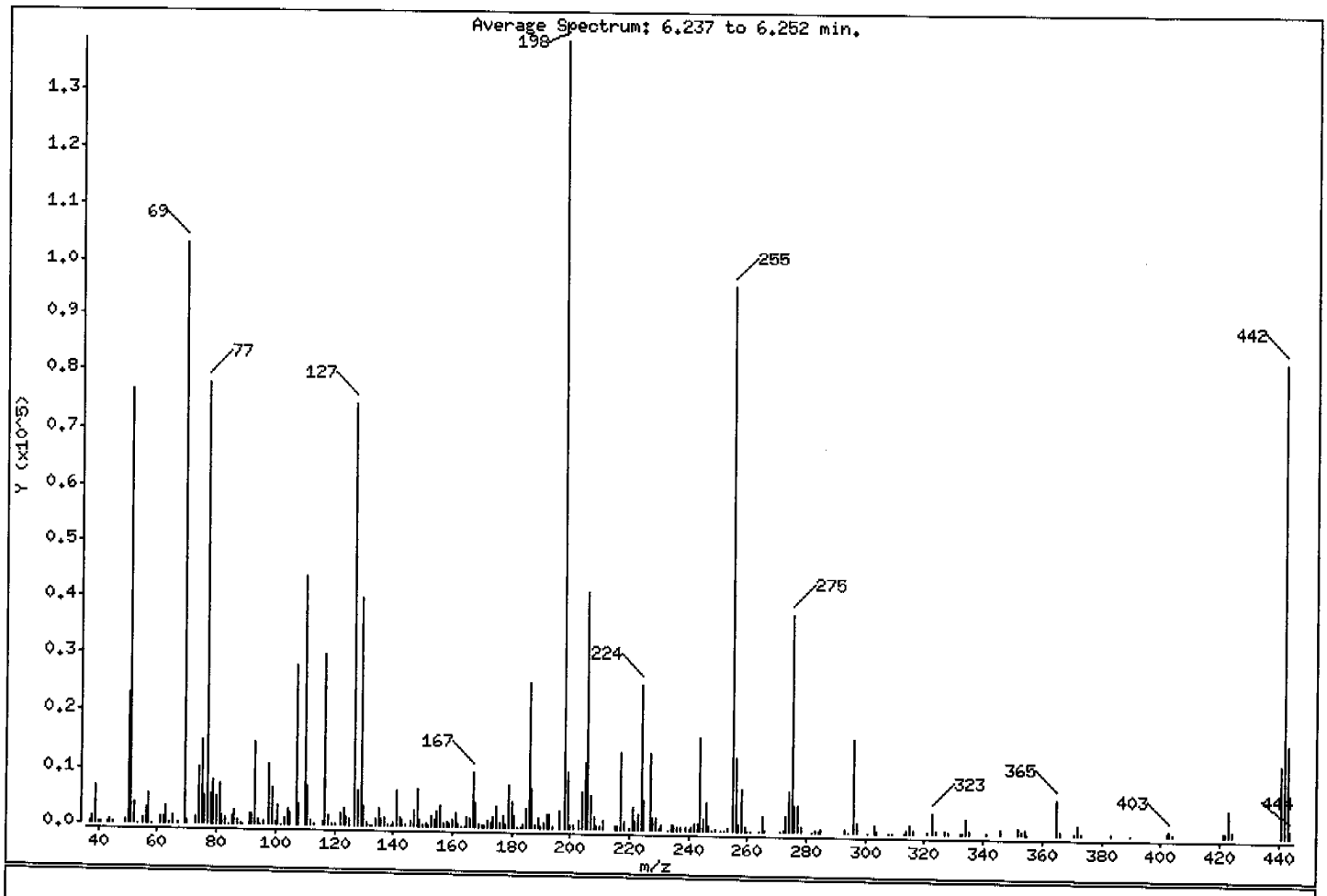
Sample Info: UDFTPP243

Operator: BNA4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.22
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	74.16
70	Less than 2.00% of mass 69	0.38 (0.51)
127	40.00 - 60.00% of mass 198	53.53
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.39
275	10.00 - 30.00% of mass 198	27.35
365	Greater than 1.00% of mass 198	4.69
441	0.01 - 100.00% of mass 443	9.11 (78.32)
442	40.00 - 110.00% of mass 198	59.50
443	17.00 - 23.00% of mass 442	11.63 (19.54)

Data File: /chem/BNAMS4.i/8270/08-31-06/31Aug06.b/u31722.d

Date : 31-AUG-2006 09:20

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP243

Operator: BNA4

Column phase: DB-5

Column diameter: 0.25

Data File: u31722.d

Spectrum: Average Spectrum: 6.237 to 6.252 min.

Location of Maximum: 198.00

Number of points: 254

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	428	118.00	1881	185.00	3654	261.00	108
38.00	1258	119.00	283	186.00	25544	264.00	158
39.00	6826	120.00	191	187.00	7123	265.00	2951
40.00	370	122.00	2254	188.00	659	266.00	464
41.00	345	123.00	3113	189.00	2049	271.00	122
43.00	445	124.00	1623	190.00	213	272.00	278
44.00	671	125.00	1120	191.00	887	273.00	2843
45.00	293	127.00	74320	192.00	2400	274.00	7390
49.00	782	128.00	6431	193.00	2580	275.00	37968
50.00	23096	129.00	40016	194.00	366	276.00	4904
51.00	76656	130.00	3575	196.00	3142	277.00	4711
52.00	3790	131.00	706	198.00	138816	278.00	874
53.00	120	132.00	108	199.00	10260	282.00	132
55.00	951	133.00	137	200.00	634	283.00	409
56.00	2977	134.00	1402	201.00	483	284.00	276
57.00	5399	135.00	3272	203.00	1519	285.00	662
58.00	139	136.00	1338	204.00	6739	293.00	795
61.00	1155	137.00	1556	205.00	11747	294.00	145
62.00	1250	138.00	190	206.00	41360	296.00	16448
63.00	3349	139.00	113	207.00	6209	297.00	1910
64.00	259	140.00	691	208.00	2143	301.00	129
65.00	1439	141.00	6489	209.00	724	303.00	1565
67.00	161	142.00	1486	210.00	742	304.00	395
69.00	102960	143.00	1122	211.00	1684	308.00	115
70.00	522	144.00	237	215.00	775	309.00	150
73.00	1278	146.00	965	216.00	704	313.00	103
74.00	10154	147.00	2841	217.00	13779	314.00	702
75.00	14961	148.00	6652	218.00	1636	315.00	1722
76.00	4983	149.00	1258	220.00	206	316.00	682
77.00	77784	150.00	191	221.00	4034	321.00	438
78.00	5472	151.00	727	222.00	1670	323.00	3959
79.00	8056	152.00	340	223.00	2971	324.00	745
80.00	5074	153.00	1863	224.00	25640	327.00	762
81.00	7435	154.00	1155	225.00	5469	328.00	352
82.00	1523	155.00	2790	227.00	13807	332.00	359

Data File: /chem/BNAMS4.i/8270/08-31-06/31Aug06.b/u31722.d

Date : 31-AUG-2006 09:20

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP243

Operator: BNA4

Column phase: DB-5

Column diameter: 0.25

Data File: u31722.d

Spectrum: Average Spectrum: 6.237 to 6.252 min.

Location of Maximum: 198.00

Number of points: 254

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1382	156.00	3816	228.00	2315	333.00	410
84.00	101	157.00	790	229.00	2214	334.00	2840
85.00	1487	158.00	900	230.00	167	335.00	607
86.00	2458	159.00	722	231.00	815	341.00	441
87.00	898	160.00	1370	233.00	114	346.00	892
88.00	264	161.00	2396	234.00	967	352.00	1217
89.00	141	162.00	531	235.00	798	353.00	761
91.00	1867	163.00	112	236.00	548	354.00	852
92.00	1997	164.00	128	237.00	608	355.00	111
93.00	14775	165.00	2043	239.00	481	365.00	6505
94.00	860	166.00	1748	240.00	238	366.00	653
95.00	117	167.00	10018	241.00	636	371.00	315
96.00	514	168.00	4450	242.00	1302	372.00	1907
98.00	10964	169.00	620	243.00	1402	373.00	354
99.00	6853	170.00	331	244.00	16592	383.00	354
100.00	744	171.00	476	245.00	2352	390.00	111
101.00	3452	172.00	1305	246.00	5093	402.00	734
102.00	109	173.00	1114	247.00	967	403.00	906
103.00	1294	174.00	1893	248.00	131	404.00	337
104.00	2738	175.00	3879	249.00	421	421.00	788
105.00	2253	176.00	839	251.00	137	422.00	652
107.00	27984	177.00	2096	252.00	126	423.00	4763
108.00	3687	178.00	597	253.00	511	424.00	869
110.00	43752	179.00	7598	255.00	95848	441.00	12642
111.00	7047	180.00	4674	256.00	13077	442.00	82608
112.00	1042	181.00	2383	257.00	1236	443.00	16141
113.00	161	182.00	142	258.00	7568	444.00	1125
116.00	580	183.00	122	259.00	1068		
117.00	29952	184.00	542	260.00	142		

Data File: /chem/BNAMS4.i/8270/08-31-06/31Aug06.b/u31722.d

Date : 31-AUG-2006 09:20

Client ID:

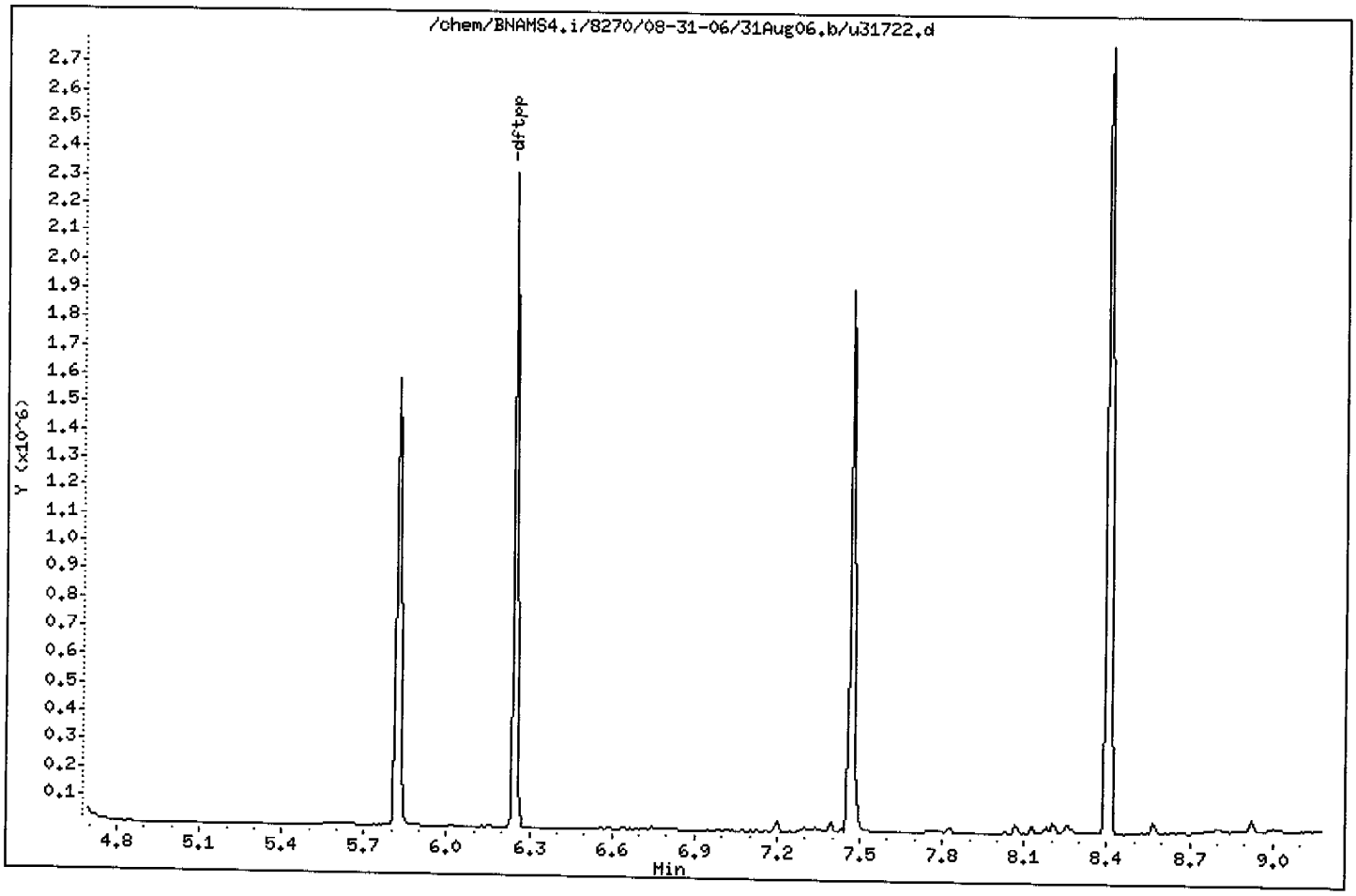
Instrument: BNAMS4.i

Sample Info: UDFTPP243

Operator: BNA4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U31777

DFTPP Injection Date: 09/03/06

Instrument ID: BNAMS4

DFTPP Injection Time: 1301

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	70.0
70	Less than 2.0% of mass 69	0.5 (0.7)1
127	40.0 - 60.0% of mass 198	50.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	25.3
365	Greater than 1.0% of mass 198	4.53
441	0.0 - 100.0% of mass 443	9.4 (79.9)2
442	40.0 - 110.0% of mass 198	60.3
443	17.0 - 23.0% of mass 442	11.8 (19.5)3

1-Value is % mass 69
2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD246	USTD246	U31778	09/03/06	1320
02	SB241	SB241	U31781	09/03/06	1511
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAHS4.i/8270/08-31-06/03Sep06.b/u31777.d

Date : 03-SEP-2006 13:01

Client ID:

Instrument: BNAHS4.i

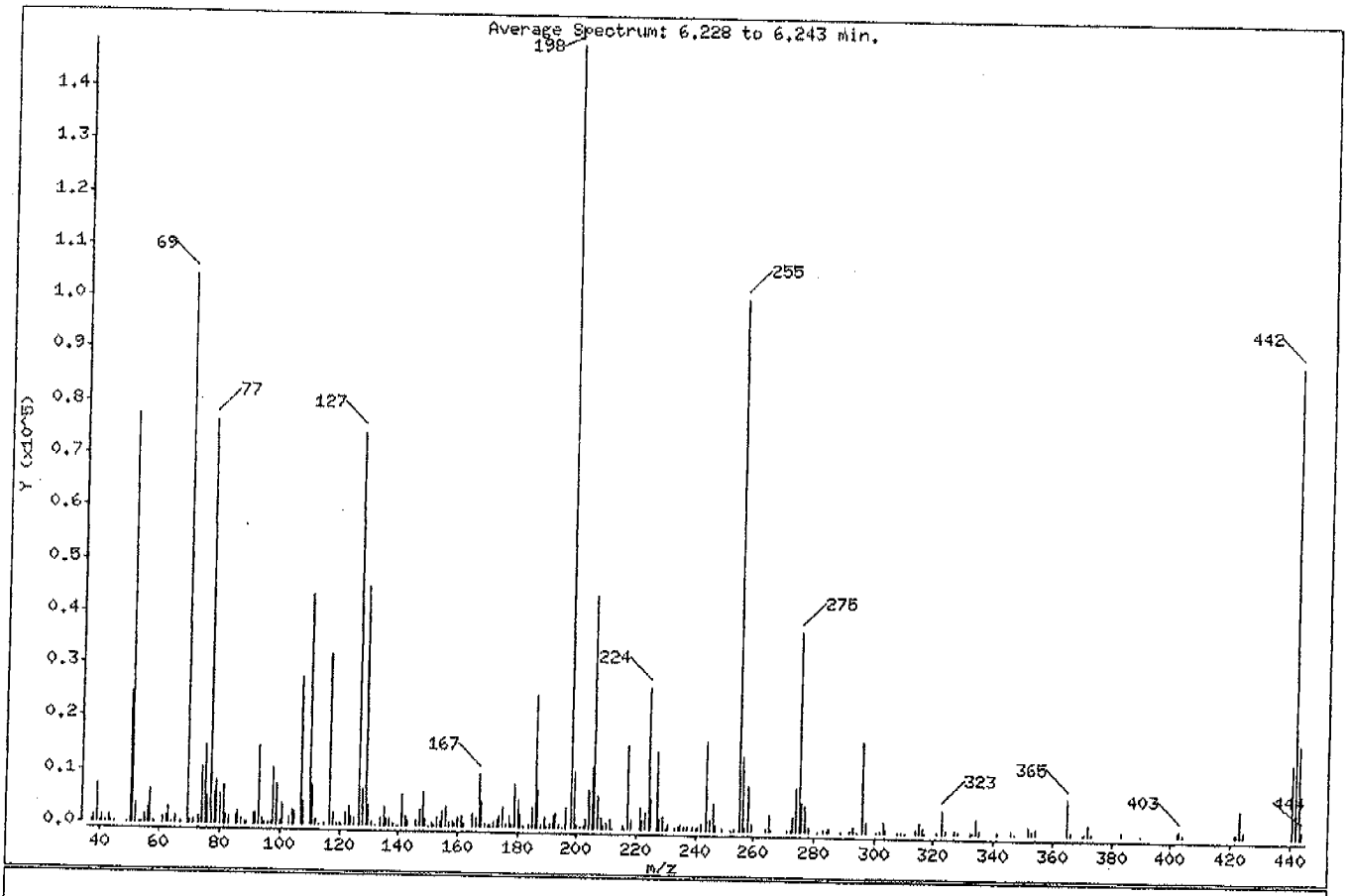
Sample Info: UDFTPP246

Operator: BNAHS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	52.11
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	70.00
70	Less than 2.00% of mass 69	0.47 (0.68)
127	40.00 - 60.00% of mass 198	50.18
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.23
275	10.00 - 30.00% of mass 198	25.29
365	Greater than 1.00% of mass 198	4.53
441	0.01 - 100.00% of mass 443	9.41 (79.89)
442	40.00 - 110.00% of mass 198	60.33
443	17.00 - 23.00% of mass 442	11.77 (19.51)

Data File: /ohem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31777.d

Date : 03-SEP-2006 13:01

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP246

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31777.d

Spectrum: Average Spectrum: 6.228 to 6.243 min.

Location of Maximum: 198.00

Number of points: 254

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	294	115.00	181	187.00	7234	272.00	205
38.00	1531	117.00	32144	188.00	833	273.00	2843
39.00	7234	118.00	2383	189.00	1985	274.00	8116
40.00	437	119.00	196	190.00	406	275.00	37560
41.00	1412	120.00	423	191.00	776	276.00	5594
42.00	227	121.00	108	192.00	2414	277.00	4913
43.00	1232	122.00	2446	193.00	2792	278.00	712
44.00	448	123.00	3323	194.00	612	281.00	104
45.00	368	124.00	1620	195.00	138	283.00	473
49.00	133	125.00	1203	196.00	3785	284.00	405
50.00	24608	127.00	74544	198.00	148544	285.00	684
51.00	77416	128.00	6822	199.00	10742	289.00	111
52.00	3748	129.00	44952	200.00	826	292.00	230
53.00	109	130.00	3620	201.00	419	293.00	886
54.00	113	131.00	593	202.00	171	294.00	105
55.00	1863	132.00	147	203.00	1570	296.00	16984
56.00	2672	134.00	1333	204.00	7247	297.00	1986
57.00	6609	135.00	3287	205.00	11623	301.00	110
58.00	228	136.00	1286	206.00	44144	302.00	252
61.00	1084	137.00	1494	207.00	6084	303.00	1951
62.00	1436	138.00	282	208.00	1970	304.00	528
63.00	3054	139.00	122	209.00	736	308.00	104
64.00	304	140.00	163	210.00	1141	309.00	105
65.00	1331	141.00	5797	211.00	1851	310.00	123
67.00	359	142.00	1837	212.00	167	314.00	789
69.00	103992	143.00	1171	215.00	651	315.00	1894
70.00	705	146.00	1064	216.00	162	316.00	870
71.00	554	147.00	3049	217.00	15833	317.00	109
73.00	1232	148.00	6638	218.00	1766	321.00	418
74.00	10722	149.00	1425	221.00	4196	323.00	4352
75.00	14553	150.00	123	222.00	1654	324.00	624
76.00	5260	151.00	665	223.00	3168	327.00	851
77.00	76448	152.00	349	224.00	26760	328.00	333
78.00	5636	153.00	1647	225.00	5939	332.00	284
79.00	8168	154.00	1114	227.00	14611	333.00	468

Data File: /chem/BNAHS4.i/8270/08-31-06/03Sep06.b/u31777.d

Date : 03-SEP-2006 13:01

Client ID:

Instrument: BNAHS4.i

Sample Info: UDFTPP246

Operator: BNANS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31777.d

Spectrum: Average Spectrum: 6.228 to 6.243 min.

Location of Maximum: 198.00

Number of points: 254

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	5601	155.00	2785	228.00	2186	334.00	2860
81.00	7230	156.00	3884	229.00	2377	335.00	593
82.00	1776	157.00	832	230.00	284	341.00	442
83.00	1532	158.00	1085	231.00	859	346.00	825
85.00	1572	159.00	756	233.00	262	347.00	100
86.00	2561	160.00	1760	234.00	798	352.00	1429
87.00	1056	161.00	2215	235.00	867	353.00	735
88.00	472	162.00	605	236.00	686	354.00	905
89.00	236	165.00	2291	237.00	687	365.00	6727
91.00	2142	166.00	1607	239.00	593	366.00	771
92.00	1998	167.00	10026	240.00	387	370.00	109
93.00	14839	168.00	4775	241.00	697	371.00	334
94.00	1003	169.00	785	242.00	1350	372.00	2071
95.00	498	170.00	375	244.00	16688	373.00	473
96.00	396	171.00	481	245.00	2213	383.00	568
97.00	199	172.00	1009	246.00	5190	390.00	134
98.00	10714	173.00	1241	247.00	934	402.00	812
99.00	7651	174.00	2170	249.00	463	403.00	1100
100.00	637	175.00	3834	252.00	102	404.00	333
101.00	3696	176.00	796	253.00	405	421.00	772
103.00	1421	177.00	2168	255.00	100688	422.00	692
104.00	2822	178.00	566	256.00	14017	423.00	5260
105.00	2510	179.00	8265	257.00	800	424.00	957
107.00	27616	180.00	5041	258.00	8577	441.00	13972
108.00	4293	181.00	2399	259.00	1257	442.00	89624
110.00	43248	182.00	371	264.00	282	443.00	17488
111.00	7556	184.00	648	265.00	3231	444.00	1437
112.00	969	185.00	3763	266.00	499		
113.00	117	186.00	25048	271.00	236		

Data File: /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31777.d

Date : 03-SEP-2006 13:01

Client ID:

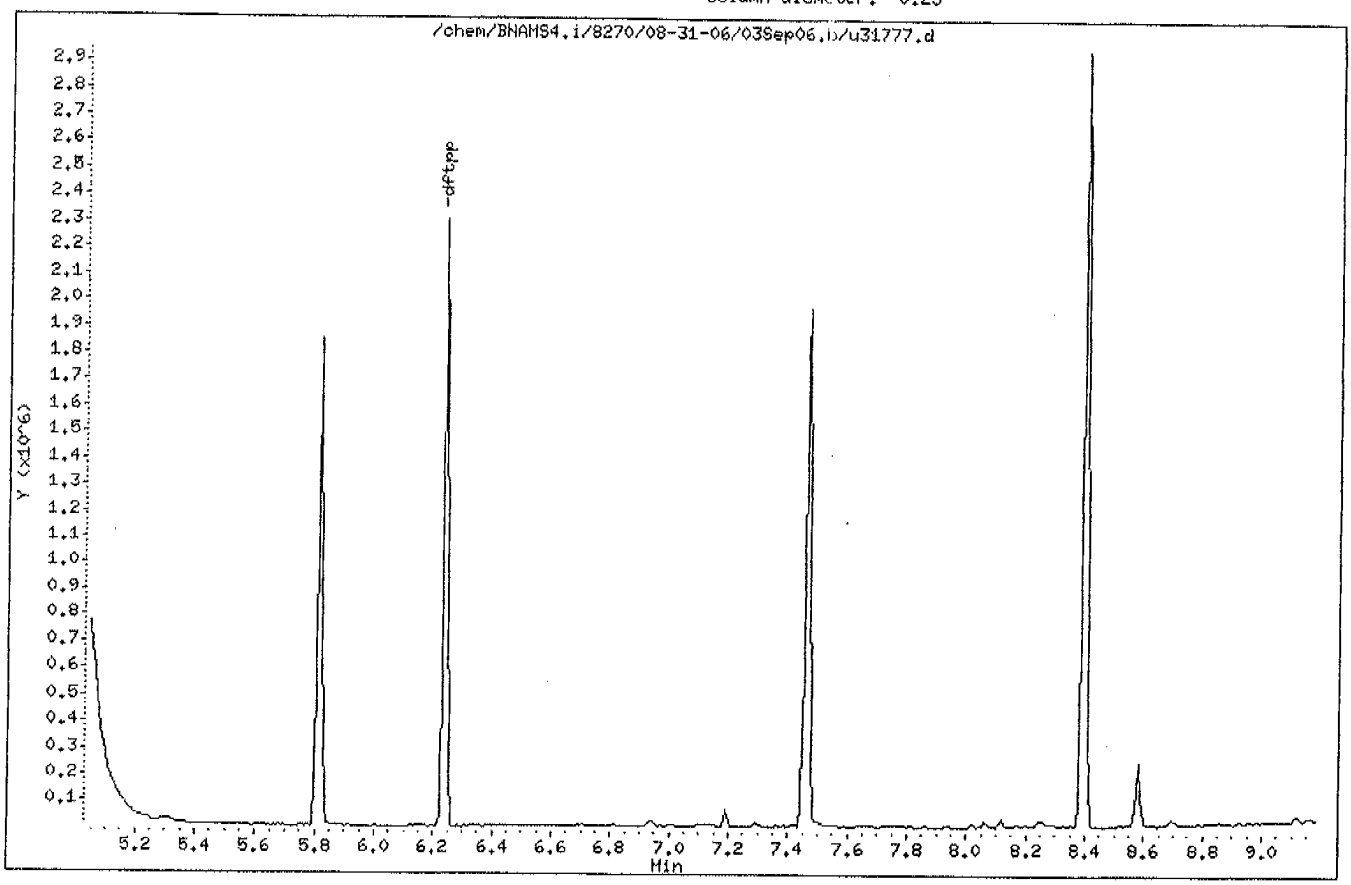
Instrument: BNAMS4.i

Sample Info: UDFTPP246

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U31942

DFTPP Injection Date: 09/13/06

Instrument ID: BNAMS4

DFTPP Injection Time: 2348

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	67.7
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	42.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	21.7
365	Greater than 1.0% of mass 198	2.43
441	0.0 - 100.0% of mass 443	11.7 (87.4)2
442	40.0 - 110.0% of mass 198	69.5
443	17.0 - 23.0% of mass 442	13.4 (19.3)3

1-Value is % mass 69
2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD256	USTD256	U31943	09/14/06	0009
02	USTD120	USTD120	U31944	09/14/06	0048
03	USTD005	USTD005	U31945	09/14/06	0126
04	USTD080	USTD080	U31946	09/14/06	0205
05	USTD020	USTD020	U31947	09/14/06	0244
06	USTD010	USTD010	U31948	09/14/06	0323
07					
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09					
10					
11					
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14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

Instrument: BNAMS4.i

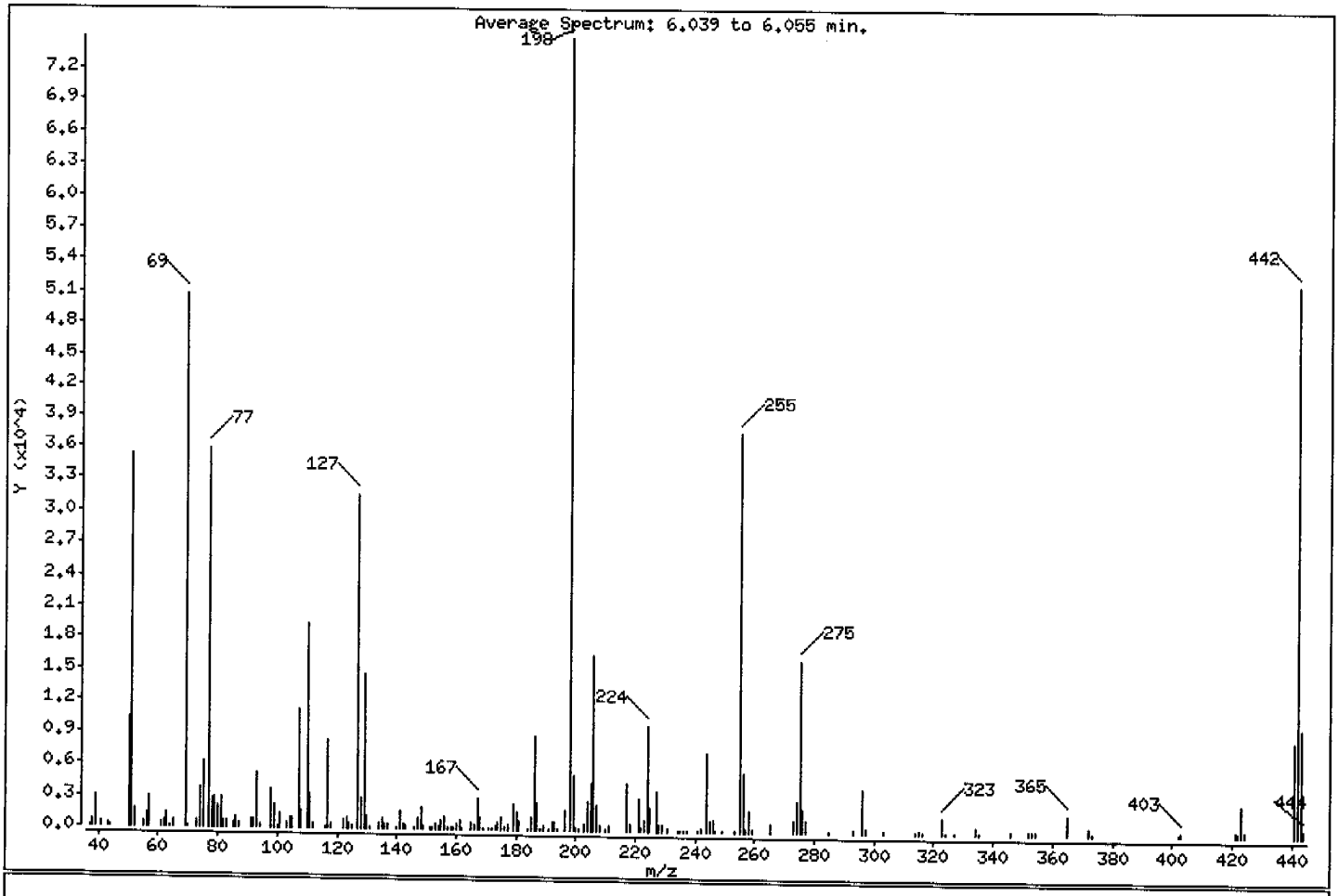
Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.13
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	67.71
70	Less than 2.00% of mass 69	0.28 (0.41)
127	40.00 - 60.00% of mass 198	42.10
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.83
275	10.00 - 30.00% of mass 198	21.71
365	Greater than 1.00% of mass 198	2.43
441	0.01 - 100.00% of mass 443	11.70 (87.38)
442	40.00 - 110.00% of mass 198	69.51
443	17.00 - 23.00% of mass 442	13.38 (19.26)

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31942.d

Spectrum: Average Spectrum: 6.039 to 6.055 min.

Location of Maximum: 198.00

Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	111	112.00	456	176.00	333	246.00	1269
38.00	689	116.00	190	177.00	560	247.00	101
39.00	2946	117.00	8254	179.00	2473	249.00	114
41.00	432	118.00	516	180.00	1642	253.00	141
43.00	349	122.00	835	181.00	787	255.00	37584
44.00	121	123.00	1037	184.00	167	256.00	5553
50.00	10376	124.00	517	185.00	1191	257.00	365
51.00	35304	125.00	415	186.00	8855	258.00	2103
52.00	1680	127.00	31536	187.00	2510	259.00	316
55.00	587	128.00	2965	188.00	176	265.00	782
56.00	1356	129.00	14690	189.00	600	273.00	1239
57.00	2870	130.00	1231	191.00	148	274.00	2973
61.00	515	131.00	142	192.00	876	275.00	16265
62.00	622	134.00	485	193.00	918	276.00	2304
63.00	1459	135.00	1071	194.00	163	277.00	1134
64.00	104	136.00	484	196.00	1905	285.00	114
65.00	765	137.00	600	198.00	74904	293.00	312
69.00	50712	140.00	133	199.00	5118	296.00	4091
70.00	207	141.00	1775	200.00	325	297.00	570
73.00	671	142.00	479	201.00	118	303.00	430
74.00	3841	143.00	407	203.00	665	314.00	104
75.00	6280	146.00	229	204.00	2780	315.00	429
77.00	35824	147.00	996	205.00	4434	316.00	208
78.00	2822	148.00	2140	206.00	16520	323.00	1565
79.00	2936	149.00	344	207.00	2328	324.00	102
80.00	2136	151.00	123	208.00	564	327.00	126
81.00	2981	152.00	101	210.00	254	334.00	742
82.00	719	153.00	576	211.00	591	335.00	217
83.00	660	154.00	354	217.00	4554	346.00	308
85.00	549	155.00	867	218.00	627	352.00	362
86.00	972	156.00	1255	221.00	3156	353.00	271
87.00	454	157.00	156	222.00	418	354.00	355
91.00	832	158.00	215	223.00	972	365.00	1818
92.00	877	159.00	132	224.00	9756	372.00	669
93.00	5153	160.00	583	225.00	2189	373.00	104

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31942.d

Spectrum: Average Spectrum: 6.039 to 6.055 min.

Location of Maximum: 198.00

Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	298	161.00	837	227.00	3763	402.00	232
98.00	3550	162.00	102	228.00	654	403.00	404
99.00	2266	165.00	675	229.00	704	421.00	447
100.00	140	166.00	568	231.00	327	422.00	358
101.00	1400	167.00	2986	234.00	119	423.00	2873
103.00	567	168.00	1241	235.00	106	424.00	497
104.00	977	169.00	133	236.00	103	441.00	8761
105.00	1045	171.00	129	237.00	151	442.00	52064
107.00	11175	172.00	213	241.00	106	443.00	10026
108.00	1716	173.00	333	242.00	391	444.00	757
110.00	19480	174.00	734	244.00	7389		
111.00	3224	175.00	1253	245.00	1053		

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

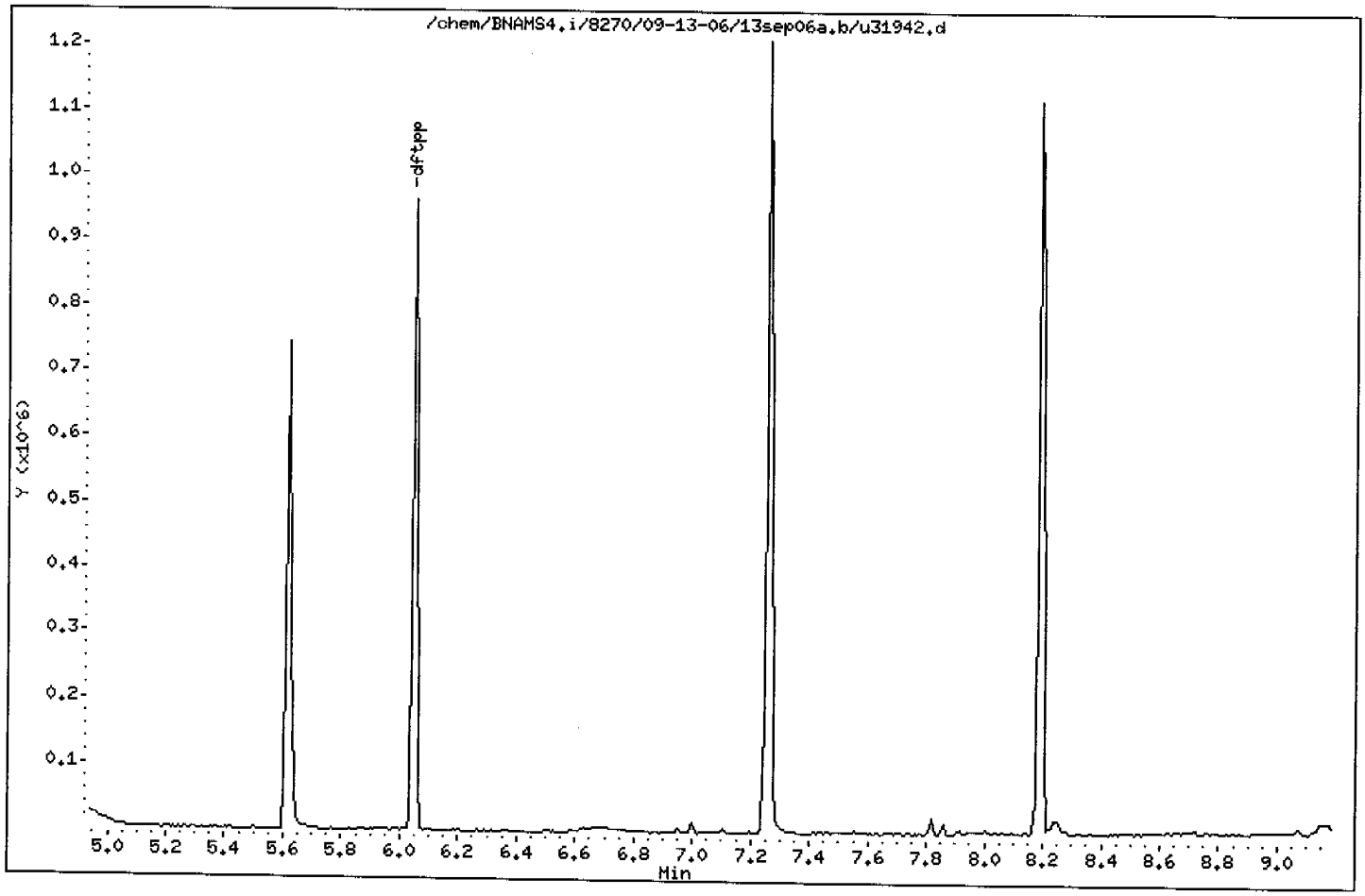
Instrument: BNAMS4.i

Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U31960

DFTPP Injection Date: 09/14/06

Instrument ID: BNAMS4

DFTPP Injection Time: 1128

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	65.5
70	Less than 2.0% of mass 69	0.4 (0.5)1
127	40.0 - 60.0% of mass 198	41.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	22.6
365	Greater than 1.0% of mass 198	2.67
441	0.0 - 100.0% of mass 443	13.3 (89.9)2
442	40.0 - 110.0% of mass 198	79.3
443	17.0 - 23.0% of mass 442	14.8 (18.6)3

1-Value is % mass 69
2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD257	USTD257	U31961	09/14/06	1151
02	B1404-SS02	765441	U31966	09/14/06	1506
03	B1402-SS02	765435	U31967	09/14/06	1546
04	B1402-SS02MS	765435MS	U31968	09/14/06	1625
05	B1402-SS02MS	765435MSD	U31969	09/14/06	1704
06					
07					
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13					
14					
15					
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17					
18					

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31960.d

Date : 14-SEP-2006 11:28

Client ID:

Instrument: BNAMS4.i

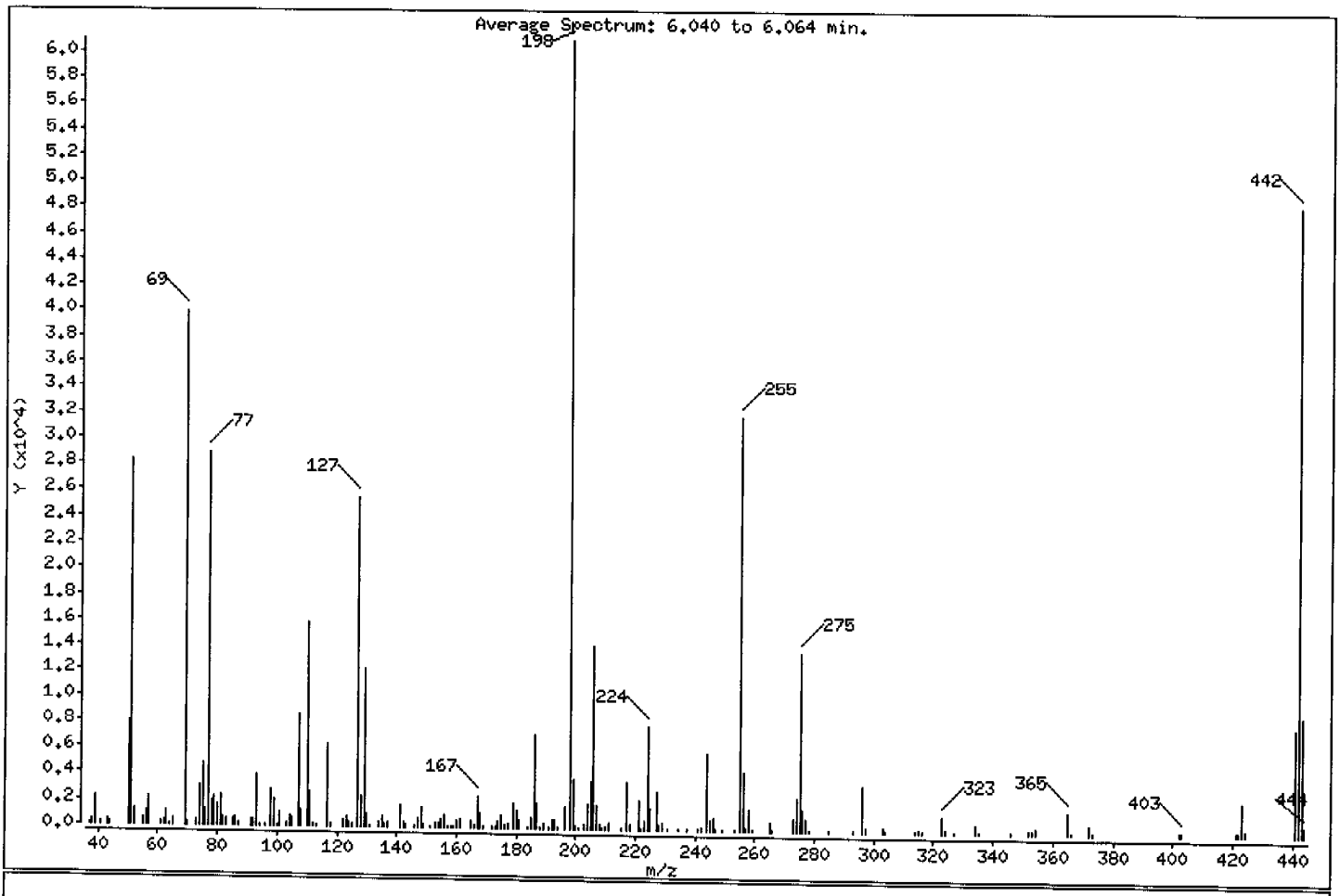
Sample Info: UDFTPP257

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.39
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	65.54
70	Less than 2.00% of mass 69	0.35 (0.54)
127	40.00 - 60.00% of mass 198	41.92
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.30
275	10.00 - 30.00% of mass 198	22.63
365	Greater than 1.00% of mass 198	2.67
441	0.01 - 100.00% of mass 443	13.29 (89.88)
442	40.00 - 110.00% of mass 198	79.33
443	17.00 - 23.00% of mass 442	14.78 (18.64)

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31960.d

Date : 14-SEP-2006 11:28

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP257

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31960.d

Spectrum: Average Spectrum: 6.040 to 6.064 min.

Location of Maximum: 198.00

Number of points: 188

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	76	111.00	2614	181.00	664	256.00	4542
38.00	352	112.00	260	184.00	83	257.00	317
39.00	2260	113.00	86	185.00	839	258.00	1644
41.00	289	117.00	6280	186.00	7094	259.00	135
43.00	351	118.00	323	187.00	1916	265.00	670
44.00	316	122.00	609	188.00	117	266.00	83
50.00	8055	123.00	852	189.00	425	273.00	943
51.00	28272	124.00	379	191.00	196	274.00	2578
52.00	1242	125.00	269	192.00	673	275.00	13796
55.00	525	127.00	25544	193.00	658	276.00	1680
56.00	1067	128.00	2315	194.00	78	277.00	1033
57.00	2260	129.00	12221	196.00	1630	278.00	82
61.00	325	130.00	1005	198.00	60944	285.00	94
62.00	394	131.00	88	199.00	3841	293.00	131
63.00	1115	134.00	387	200.00	254	296.00	3457
64.00	94	135.00	846	201.00	119	297.00	473
65.00	563	136.00	295	203.00	469	303.00	419
69.00	39944	137.00	454	204.00	1957	304.00	77
70.00	214	141.00	1616	205.00	3614	314.00	154
73.00	440	142.00	443	206.00	14163	315.00	310
74.00	3129	143.00	333	207.00	1832	316.00	188
75.00	4831	146.00	151	208.00	468	323.00	1264
76.00	1248	147.00	735	209.00	84	324.00	216
77.00	28792	148.00	1498	210.00	240	327.00	92
78.00	1970	149.00	259	211.00	492	334.00	725
79.00	2306	151.00	85	215.00	90	335.00	101
80.00	1731	153.00	427	217.00	3630	346.00	103
81.00	2360	154.00	355	218.00	433	352.00	333
82.00	683	155.00	754	221.00	2291	353.00	227
83.00	537	156.00	977	222.00	143	354.00	375
85.00	544	157.00	105	223.00	686	365.00	1628
86.00	721	158.00	137	224.00	7861	366.00	88
87.00	230	159.00	128	225.00	1721	372.00	647
91.00	569	160.00	496	227.00	2960	373.00	92
92.00	588	161.00	681	228.00	457	402.00	252

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31960.d

Date : 14-SEP-2006 11:28

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP257

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31960.d

Spectrum: Average Spectrum: 6.040 to 6.064 min.

Location of Maximum: 198.00

Number of points: 188

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	3899	165.00	558	229.00	557	403.00	349
94.00	201	166.00	251	231.00	117	421.00	304
96.00	95	167.00	2363	234.00	119	422.00	295
98.00	2760	168.00	1090	237.00	101	423.00	2537
99.00	2036	169.00	83	241.00	94	424.00	435
100.00	118	172.00	142	242.00	297	441.00	8099
101.00	1145	173.00	155	244.00	5929	442.00	48352
103.00	311	174.00	515	245.00	799	443.00	9011
104.00	851	175.00	978	246.00	1027	444.00	749
105.00	706	176.00	231	247.00	85		
107.00	8568	177.00	448	249.00	113		
108.00	1289	179.00	1970	253.00	94		
110.00	15797	180.00	1390	255.00	31784		

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06.b/u31960.d

Date : 14-SEP-2006 11:28

Client ID:

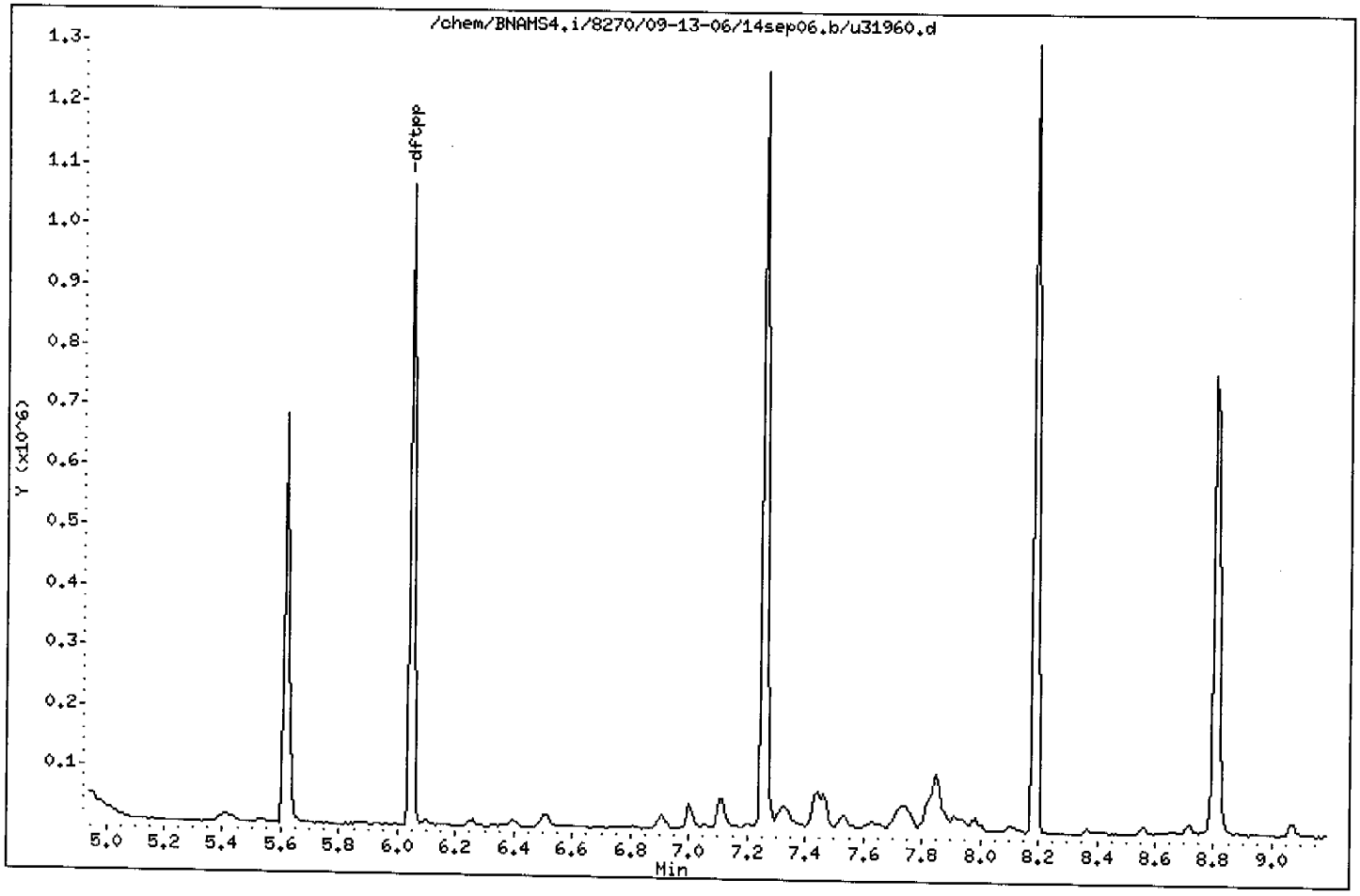
Instrument: BNAMS4.i

Sample Info: UDFTPP257

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U31978

DFTPP Injection Date: 09/14/06

Instrument ID: BNAMS4

DFTPP Injection Time: 2324

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.8
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	42.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	22.9
365	Greater than 1.0% of mass 198	2.64
441	0.0 - 100.0% of mass 443	12.9 (86.1)2
442	40.0 - 110.0% of mass 198	76.5
443	17.0 - 23.0% of mass 442	15.0 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD257A	USTD257A	U31979	09/14/06	2346
02	B1401-SS01	765432	U31989	09/15/06	0604
03	B1401-SS02	765433	U31991	09/15/06	0718
04	B1402-SS01	765434	U31992	09/15/06	0755
05	B1403-SS01	765439	U31993	09/15/06	0832
06	B1404-SS01	765440	U31994	09/15/06	0909
07					
08					
09					
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11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31978.d

Date : 14-SEP-2006 23:24

Client ID:

Instrument: BNAMS4.i

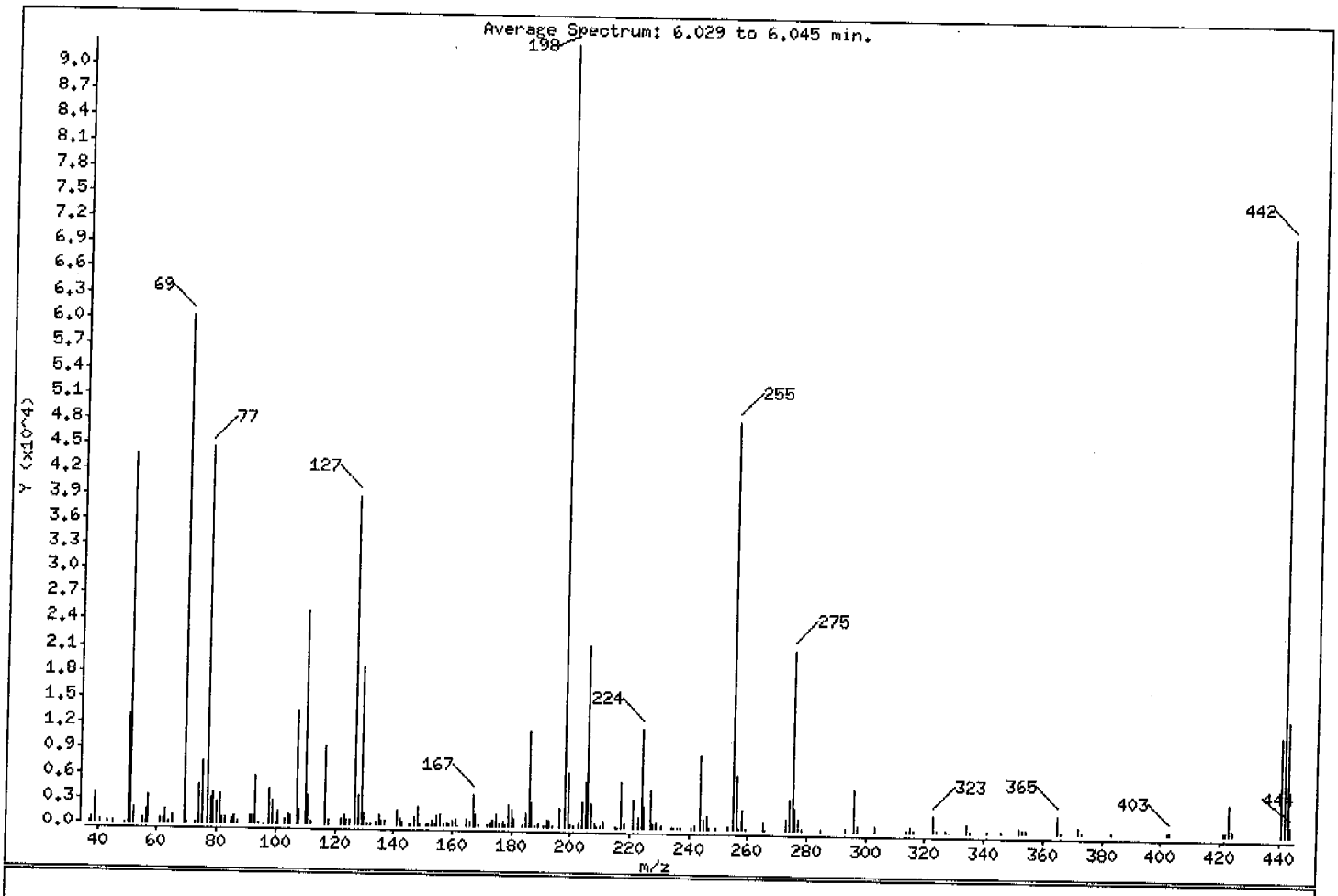
Sample Info: UDFTPP257a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.23
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	64.78
70	Less than 2.00% of mass 69	0.29 (0.44)
127	40.00 - 60.00% of mass 198	41.99
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.04
275	10.00 - 30.00% of mass 198	22.92
365	Greater than 1.00% of mass 198	2.64
441	0.01 - 100.00% of mass 443	12.90 (86.13)
442	40.00 - 110.00% of mass 198	76.49
443	17.00 - 23.00% of mass 442	14.98 (19.58)

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31978.d

Date : 14-SEP-2006 23:24

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP257a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31978.d

Spectrum: Average Spectrum: 6.029 to 6.045 min.

Location of Maximum: 198.00

Number of points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	156	117.00	9335	181.00	997	256.00	6559
38.00	711	118.00	615	184.00	150	257.00	295
39.00	3680	122.00	918	185.00	1752	258.00	2535
41.00	496	123.00	1287	186.00	11530	259.00	278
43.00	112	124.00	644	187.00	2934	265.00	1017
45.00	120	125.00	634	188.00	169	266.00	104
49.00	103	127.00	38944	189.00	507	273.00	1426
50.00	12823	128.00	3645	191.00	296	274.00	3804
51.00	43800	129.00	18744	192.00	900	275.00	21256
52.00	2007	130.00	1531	193.00	952	276.00	2747
55.00	590	131.00	175	194.00	164	277.00	1589
56.00	1736	132.00	107	196.00	2423	278.00	228
57.00	3381	134.00	461	198.00	92752	285.00	162
61.00	633	135.00	1340	199.00	6529	293.00	320
62.00	705	136.00	599	200.00	468	296.00	5023
63.00	1702	137.00	593	201.00	162	297.00	640
64.00	159	141.00	2012	203.00	732	303.00	566
65.00	974	142.00	784	204.00	3106	314.00	244
69.00	60080	143.00	358	205.00	5557	315.00	538
70.00	267	145.00	107	206.00	21520	316.00	296
73.00	313	146.00	160	207.00	2991	323.00	2035
74.00	4708	147.00	1129	208.00	718	324.00	287
75.00	7514	148.00	2272	209.00	153	327.00	257
77.00	44648	149.00	241	210.00	164	328.00	101
78.00	3106	151.00	152	211.00	752	334.00	1094
79.00	3911	152.00	115	215.00	267	335.00	279
80.00	2677	153.00	660	216.00	104	341.00	116
81.00	3668	154.00	229	217.00	5607	346.00	297
82.00	857	155.00	1258	218.00	583	352.00	559
83.00	806	156.00	1520	221.00	3644	353.00	347
85.00	672	157.00	294	223.00	1498	354.00	467
86.00	1148	158.00	334	224.00	11872	365.00	2450
87.00	484	159.00	142	225.00	2706	366.00	283
91.00	1012	160.00	698	227.00	4731	372.00	953
92.00	964	161.00	874	228.00	739	373.00	113

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31978.d

Date : 14-SEP-2006 23:24

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP257a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31978.d

Spectrum: Average Spectrum: 6.029 to 6.045 min.

Location of Maximum: 198.00

Number of points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	5710	162.00	101	229.00	900	383.00	239
94.00	215	165.00	776	231.00	339	402.00	312
96.00	101	166.00	722	234.00	297	403.00	514
98.00	4353	167.00	3822	235.00	312	421.00	440
99.00	2996	168.00	1576	236.00	113	422.00	463
100.00	160	169.00	139	237.00	312	423.00	3927
101.00	1692	172.00	307	241.00	272	424.00	676
103.00	714	173.00	373	242.00	518	441.00	11968
104.00	1312	174.00	878	244.00	9000	442.00	70944
105.00	1083	175.00	1478	245.00	1309	443.00	13895
107.00	13470	176.00	398	246.00	1615	444.00	1239
108.00	1890	177.00	665	247.00	296		
110.00	25232	178.00	223	249.00	258		
111.00	3703	179.00	2791	253.00	323		
112.00	412	180.00	2096	255.00	48384		

Data File: /chem/BNAMS4.i/8270/09-13-06/14sep06a.b/u31978.d

Date : 14-SEP-2006 23:24

Client ID:

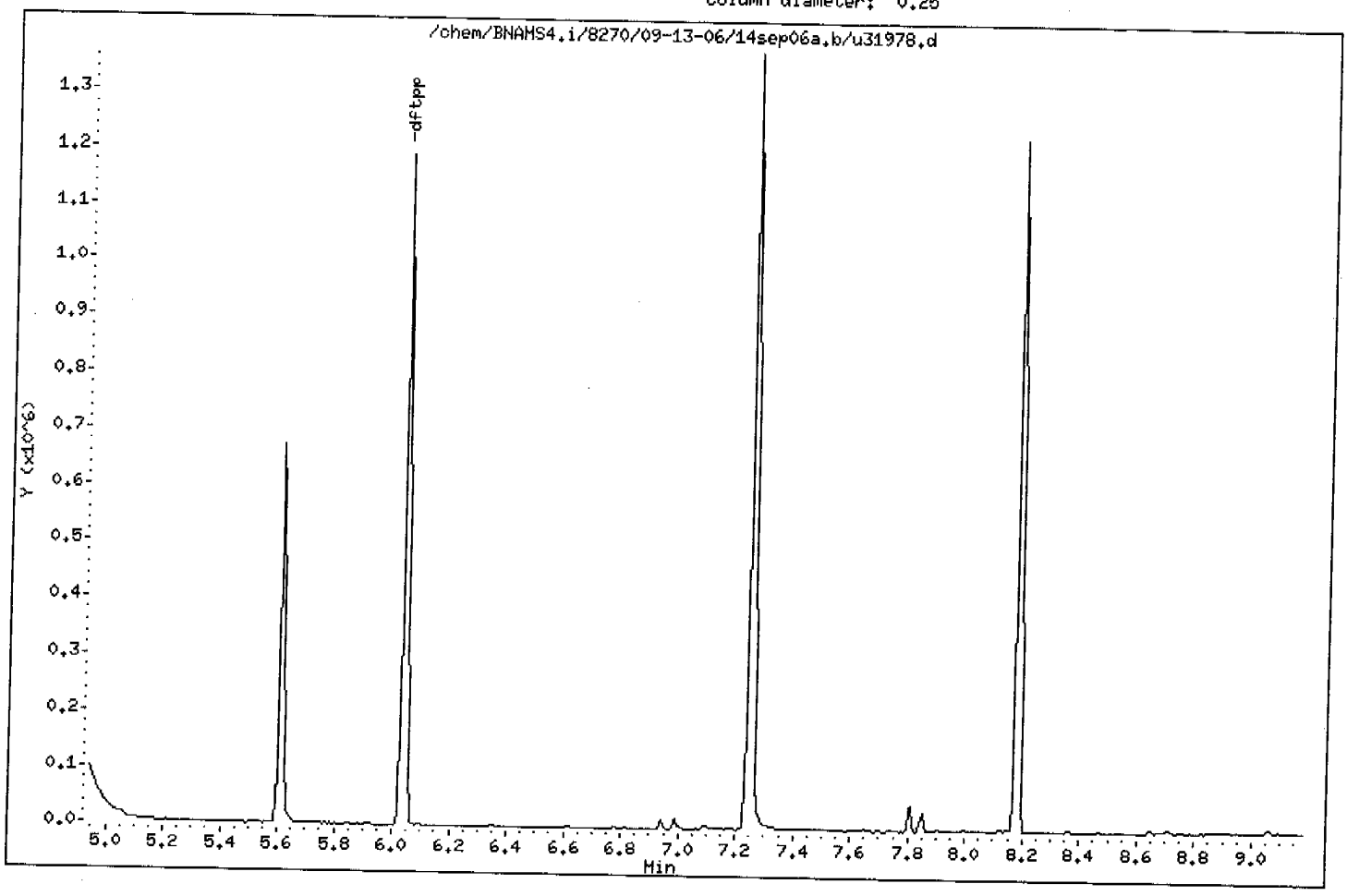
Instrument: BNAMS4.i

Sample Info: UDFTPP257a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



Method Blank Results Summary

SEMIVOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

SB241

Matrix: SOIL

Level: LOW

Instrument ID: BNAMS4

Date Analyzed: 09/03/06

Time Analyzed: 1511

Lab File ID: U31781

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	B1404-SS02	765441	U31966	09/14/06
02	B1402-SS02	765435	U31967	09/14/06
03	B1402-SS02MS	765435MS	U31968	09/14/06
04	B1402-SS02MSD	765435MSD	U31969	09/14/06
05	B1401-SS01	765432	U31989	09/15/06
06	B1401-SS02	765433	U31991	09/15/06
07	B1402-SS01	765434	U31992	09/15/06
08	B1403-SS01	765439	U31993	09/15/06
09	B1404-SS01	765440	U31994	09/15/06
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **SB241**
Site:

Lab Sample No: **SB241**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Extracted: 08/29/06
Date Analyzed: 09/03/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31781.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Phenol	ND	330
2-Chlorophenol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2,4-Dinitrophenol	ND	1000
4-Nitrophenol	ND	1000
4,6-Dinitro-2-methylphenol	ND	1000
Pentachlorophenol	ND	1000
Benzoic Acid	ND	330
N-Nitrosodimethylamine	ND	330
bis(2-Chloroethyl)ether	ND	33
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-chloroisopropyl)ether	ND	330
N-Nitroso-di-n-propylamine	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	33
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	67
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670

Client ID: **SB241**
Site:

Lab Sample No: **SB241**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Extracted: 08/29/06
Date Analyzed: 09/03/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31781.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	67
3-Nitroaniline	ND	670
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	67
Diethylphthalate	280 J	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	670
N-Nitrosodiphenylamine	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	33
Phenanthrene	ND	330
Anthracene	ND	330
Carbazole	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzidine	ND	670
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	33
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	33
Benzo(k)fluoranthene	ND	33
Benzo(a)pyrene	ND	33
Indeno(1,2,3-cd)pyrene	ND	33
Dibenz(a,h)anthracene	ND	33
Benzo(g,h,i)perylene	ND	330
Pyridine	ND	330

Client ID: **SB241**
Site:

Lab Sample No: **SB241**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Extracted: 08/29/06
Date Analyzed: 09/03/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31781.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aniline	ND	330
Benzyl Alcohol	ND	330
1,2-Diphenylhydrazine	ND	330
Diphenyl	ND	330
Diphenyl Ether	ND	330
Acetophenone	ND	330
1,4-Dioxane	ND	330
N,N-Dimethylaniline	ND	330
2,3,7,8-TCDD (Screen)	ND	33
Benzaldehyde	ND	33
Caprolactam	ND	330
Atrazine	ND	330
n-decane	ND	330
Coumarin	ND	330
n-Octadecane	ND	330
o-Tricresylphosphate	ND	330
Carbamazepine	ND	330
1-Methylnaphthalene	ND	670
	ND	670

Client ID: **SB241**
Site:

Lab Sample No: **SB241**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Extracted: 08/29/06
Date Analyzed: 09/03/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u31781.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Aldol Condensate	5.35	10000	
2.	Unknown	14.18	360	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 10360

Data File: /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31781.d
Report Date: 03-Sep-2006 16:47

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31781.d
Lab Smp Id: sb241
Inj Date : 03-SEP-2006 15:11
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : sb241;mb62436
Misc Info : ~~R1~~ 1302
Comment :
Method : /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/8270C6-1.m
Meth Date : 03-Sep-2006 16:18 vanamans Quant Type: ISTD
Cal Date : 31-AUG-2006 09:41 Cal File: u31723.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

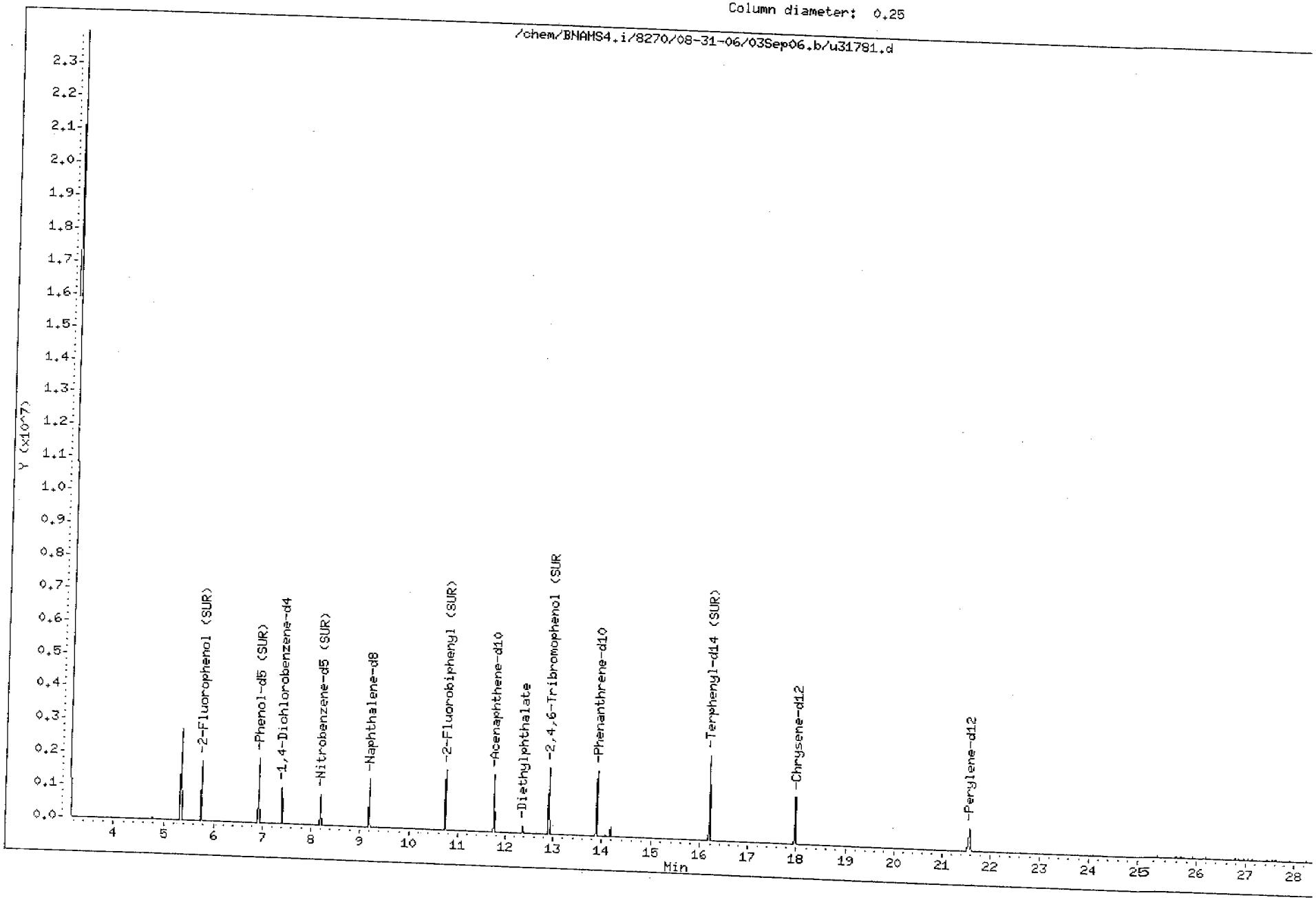
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.756	5.746	(0.777)	352354	79.2424	5300
$	17 Phenol-d5 (SUR)	99	6.927	6.932	(0.935)	537891	90.8320	6000
*	79 1,4-Dichlorobenzene-d4	152	7.408	7.411	(1.000)	132731	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.208	8.216	(0.893)	339188	35.5853	2400
*	80 Naphthalene-d8	136	9.196	9.210	(1.000)	583227	40.0000	
$	77 2-Fluorobiphenyl (SUR)	172	10.745	10.757	(0.914)	509519	39.3099	2600
*	82 Acenaphthene-d10	164	11.755	11.769	(1.000)	411375	40.0000	
	45 Diethylphthalate	149	12.365	12.396	(1.052)	80941	4.27084	280(aH)
$	18 2,4,6-Tribromophenol (SUR)	330	12.914	12.927	(1.099)	235659	63.9604	4300
*	83 Phenanthrene-d10	188	13.901	13.912	(1.000)	766977	40.0000	
$	78 Terphenyl-d14 (SUR)	244	16.195	16.200	(0.901)	1017896	45.3603	3000
*	81 Chrysene-d12	240	17.978	18.001	(1.000)	959580	40.0000	
*	84 Perylene-d12	264	21.573	21.611	(1.000)	767625	40.0000	

Data File: /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31781.d
Date : 03-SEP-2006 15:11
Client ID:
Sample Info: sb241;mb62436

Instrument: BNAMS4.i

Column phase: DB-5

Operator: BNAMS 4
Column diameter: 0.25



584
STL Edison
W345

Data File: /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31781.d

Date : 03-SEP-2006 15:11

Client ID:

Instrument: BNAMS4.i

Sample Info: sb241;mb62436

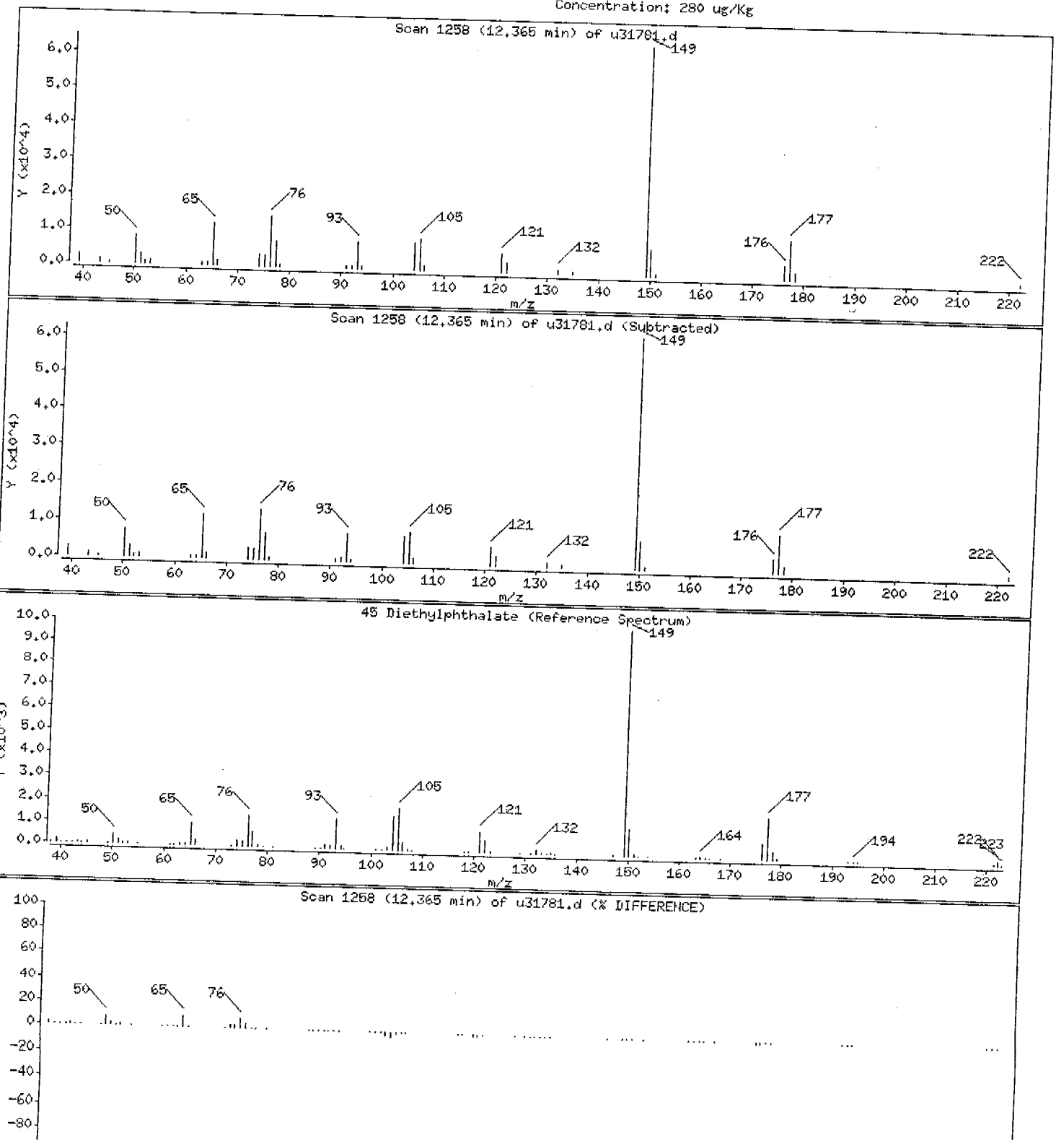
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

45 Diethylphthalate

Concentration: 280 ug/Kg



Data File: /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31781.d

Date : 03-SEP-2006 15:11

Client ID:

Instrument: BNAMS4.i

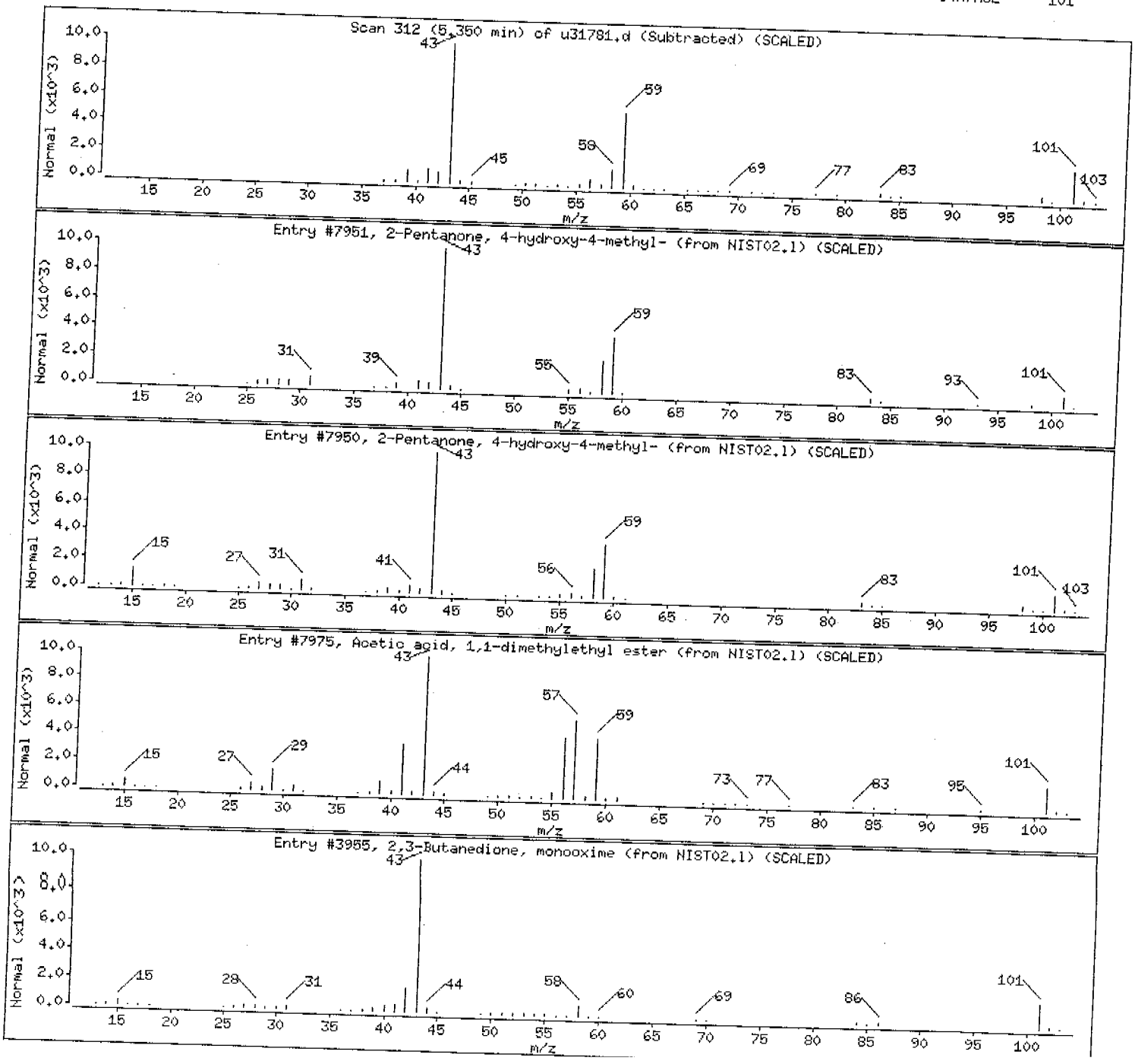
Sample Info: sb241;mb62436

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.l	7951	56	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.l	7950	50	C6H12O2	116
Acetic acid, 1,1-dimethylethyl ester	540-88-5	NIST02.l	7975	39	C6H12O2	116
2,3-Butanedione, monooxime	57-71-6	NIST02.l	3955	35	C4H7NO2	101



Data File: /chem/BNAMS4.i/8270/08-31-06/03Sep06.b/u31781.d

Date : 03-SEP-2006 15:11

Client ID:

Instrument: BNAMS4.i

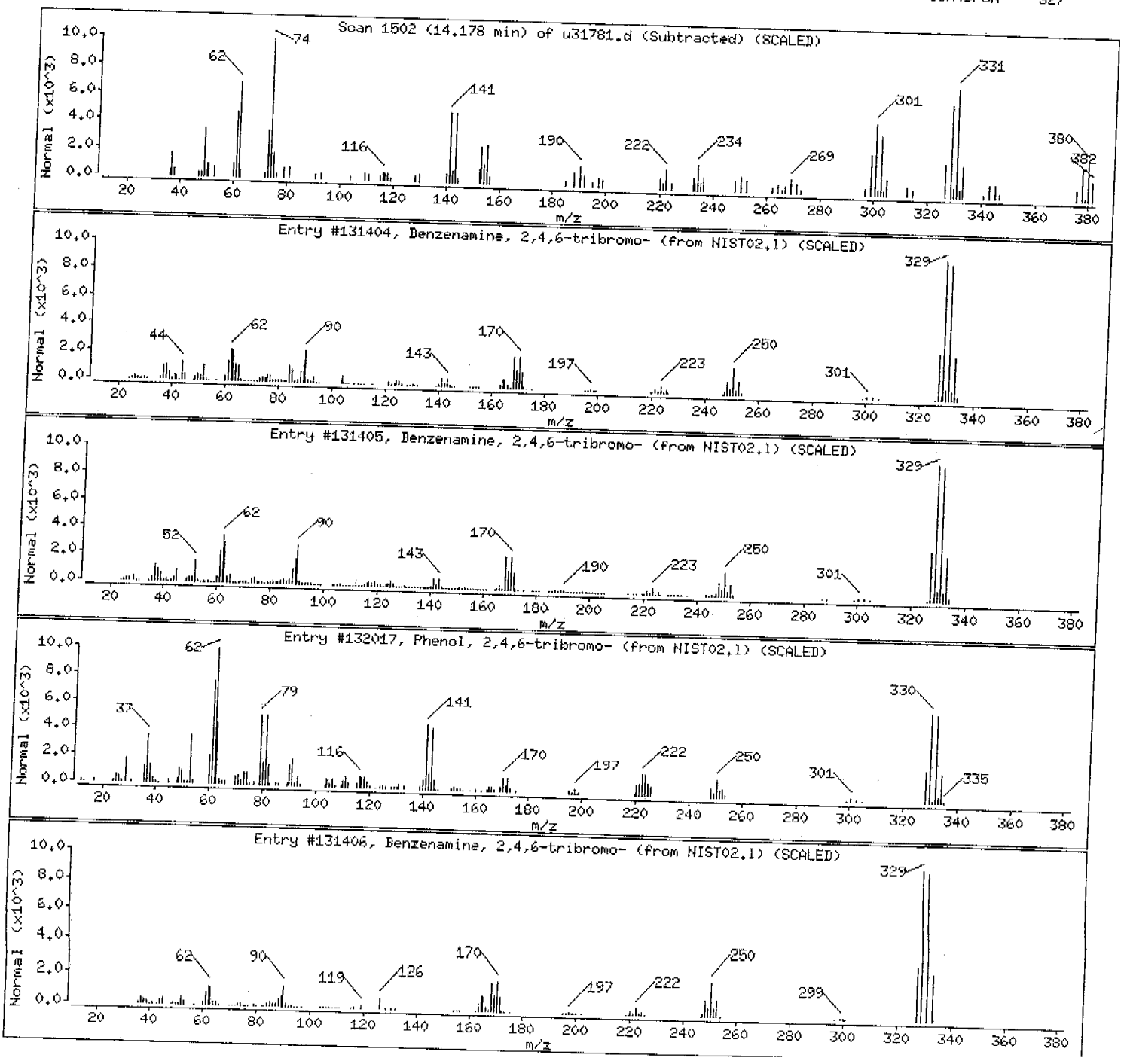
Sample Info: sb241;mb62436

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.l	131404	70	C6H4Br3N	327
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.l	131405	60	C6H4Br3N	327
Phenol, 2,4,6-tribromo-	118-79-6	NIST02.l	132017	43	C6H3Br3O	328
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.l	131406	35	C6H4Br3N	327



Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

LAB FILE ID: RRF5: U31726 RRF20: U31724 RRF50: U31723
RRF80: U31727 RRF120: U31728

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	1.811	1.809	1.798	1.824	1.904
2-Chlorophenol	1.184	1.222	1.218	1.244	1.336
2-Methylphenol	1.078	1.106	1.125	1.130	1.266
4-Methylphenol	1.191	1.196	1.267	1.130	1.266
2-Nitrophenol	0.187	0.211	0.216	0.252	0.252
2,4-Dimethylphenol	0.308	0.306	0.328	0.360	0.349
2,4-Dichlorophenol	0.335	0.322	0.356	0.382	0.369
4-Chloro-3-methylphenol	0.464	0.476	0.487	0.483	0.388
2,4,6-Trichlorophenol	0.382	0.389	0.407	0.439	0.465
2,4,5-Trichlorophenol	0.417	0.421	0.438	0.445	0.470
2,4-Dinitrophenol	0.130	0.160	0.177	0.211	0.244
4-Nitrophenol	0.472	0.468	0.478	0.487	0.471
4,6-Dinitro-2-methylphenol	0.123	0.132	0.138	0.149	0.178
Pentachlorophenol	0.191	0.221	0.223	0.226	0.236
Benzoic Acid	0.157	0.192	0.196	0.193	0.173
N-Nitrosodimethylamine	0.792	0.956	0.900	0.944	0.946
bis(2-Chloroethyl)ether	1.523	1.372	1.362	1.354	1.416
1,3-Dichlorobenzene	1.459	1.484	1.611	1.601	1.738
1,4-Dichlorobenzene	1.295	1.357	1.474	1.559	1.650
1,2-Dichlorobenzene	1.334	1.384	1.488	1.534	1.564
bis(2-chloroisopropyl)ether	1.997	2.263	2.108	1.912	1.930
N-Nitroso-di-n-propylamine	1.239	1.538	1.507	1.375	1.433
Hexachloroethane	0.827	0.909	0.943	0.895	0.905
Nitrobenzene	0.897	0.851	0.869	0.799	0.756
Isophorone	1.091	1.048	1.169	1.111	1.007
bis(2-Chloroethoxy)methane	0.478	0.438	0.497	0.492	0.480
1,2,4-Trichlorobenzene	0.269	0.366	0.401	0.424	0.405
Naphthalene	0.834	0.806	0.970	1.040	1.099
4-Chloroaniline	0.341	0.353	0.374	0.403	0.402
Hexachlorobutadiene	0.340	0.340	0.379	0.350	0.320
2-Methylnaphthalene	0.633	0.705	0.806	0.816	0.794
Hexachlorocyclopentadiene	0.420	0.417	0.475	0.456	0.424
2-Chloronaphthalene	0.977	0.945	0.998	1.093	1.211
2-Nitroaniline	0.585	0.565	0.582	0.564	0.540
Dimethylphthalate	1.544	1.562	1.658	1.691	1.783
Acenaphthylene	1.602	1.507	1.566	1.680	1.798
2,6-Dinitrotoluene	0.193	0.306	0.308	0.332	0.343
3-Nitroaniline	0.281	0.285	0.293	0.315	0.333
Acenaphthene	0.830	0.868	0.983	1.113	1.238

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

LAB FILE ID: RRF5: U31726 RRF20: U31724 RRF50: U31723
RRF80: U31727 RRF120: U31728

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.471	1.564	1.685	1.861	1.942
2,4-Dinitrotoluene	0.374	0.420	0.451	0.454	0.475
Diethylphthalate	1.648	1.791	1.888	1.925	1.954
4-Chlorophenyl-phenylether	0.694	0.750	0.780	0.822	0.902
Fluorene	1.147	1.151	1.281	1.406	1.558
4-Nitroaniline	0.266	0.276	0.272	0.290	0.300
N-Nitrosodiphenylamine	0.548	0.484	0.529	0.508	0.566
4-Bromophenyl-phenylether	0.260	0.280	0.303	0.293	0.302
Hexachlorobenzene	0.279	0.342	0.355	0.332	0.348
Phenanthrene	0.909	1.035	1.070	1.085	1.217
Anthracene	0.930	1.024	1.111	1.124	1.232
Carbazole	0.940	1.062	1.060	1.100	1.166
Di-n-butylphthalate	1.670	1.775	1.793	1.731	1.750
Fluoranthene	1.412	1.523	1.494	1.534	1.540
Pyrene	1.114	1.169	1.168	1.226	1.249
Benzidine	0.640	0.539	0.291	0.293	0.240
Butylbenzylphthalate	0.688	0.693	0.685	0.699	0.708
3,3'-Dichlorobenzidine	0.507	0.525	0.537	0.485	0.450
Benzo(a)anthracene	1.112	1.049	1.038	1.046	1.119
Chrysene	0.868	0.981	1.071	1.037	1.099
bis(2-Ethylhexyl)phthalate	0.918	0.959	1.005	1.064	1.079
Di-n-octylphthalate	1.646	1.724	1.706	1.748	1.711
Benzo(b)fluoranthene	1.298	1.414	1.437	1.472	1.652
Benzo(k)fluoranthene	1.243	1.266	1.286	1.192	1.146
Benzo(a)pyrene	1.077	1.191	1.246	1.270	1.237
Indeno(1,2,3-cd)pyrene	0.968	1.291	1.328	1.328	1.318
Dibenz(a,h)anthracene	0.686	1.059	1.183	1.145	1.186
Benzo(g,h,i)perylene	0.930	1.146	1.150	1.172	1.104
Pyridine	1.003	1.435	1.413	1.519	1.563
Aniline	2.057	1.976	1.785	1.855	1.880
Benzyl Alcohol	0.772	0.902	0.881	0.923	1.005
1,2-Diphenylhydrazine	1.236	1.196	1.106	0.984	0.978
Diphenyl	1.266	1.260	1.313	1.514	1.722
Diphenyl Ether	0.700	0.725	0.787	0.831	0.890
Acetophenone	2.349	2.267	2.365	2.340	2.433
1,4-Dioxane	0.407	0.530	0.530	0.555	0.573
N,N-Dimethylaniline	1.668	1.739	1.933	2.172	2.398
2,3,7,8-TCDD (Screen)			0.113		
Benzaldehyde	1.470	1.554	1.414	1.075	0.781

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

LAB FILE ID: RRF5: U31726 RRF20: U31724 RRF50: U31723
RRF80: U31727 RRF120: U31728

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.108	0.114	0.127	0.131	0.122
Atrazine	0.278	0.284	0.202	0.223	0.207
n-decane	1.909	1.691	1.677	1.566	1.463
Coumarin	0.270	0.287	0.294	0.300	0.304
n-Octadecane	0.565	0.529	0.507	0.506	0.528
o-Tricresylphosphate	0.335	0.315	0.325	0.339	0.340
Carbamazepine	0.631	0.596	0.622	0.670	0.660
1-Methylnaphthalene	0.629	0.634	0.678	0.726	0.757
2-Fluorophenol (SUR)	1.075	1.293	1.310	1.472	1.552
Phenol-d5 (SUR)	1.608	1.828	1.770	1.865	1.947
2,4,6-Tribromophenol (SUR)	0.252	0.275	0.324	0.344	0.384
Nitrobenzene-d5 (SUR)	0.659	0.655	0.691	0.634	0.638
2-Fluorobiphenyl (SUR)	1.244	1.212	1.239	1.267	1.427
Terphenyl-d14 (SUR)	0.889	0.841	0.970	0.994	1.002

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

RRF10: U31725

COMPOUND	RRF10
Phenol	1.879
2-Chlorophenol	1.217
2-Methylphenol	1.069
4-Methylphenol	1.216
2-Nitrophenol	0.195
2,4-Dimethylphenol	0.295
2,4-Dichlorophenol	0.309
4-Chloro-3-methylphenol	0.465
2,4,6-Trichlorophenol	0.408
2,4,5-Trichlorophenol	0.436
2,4-Dinitrophenol	0.145
4-Nitrophenol	0.479
4,6-Dinitro-2-methylphenol	0.132
Pentachlorophenol	0.196
Benzoic Acid	0.169
N-Nitrosodimethylamine	0.987
bis(2-Chloroethyl)ether	1.532
1,3-Dichlorobenzene	1.570
1,4-Dichlorobenzene	1.364
1,2-Dichlorobenzene	1.432
bis(2-chloroisopropyl)ether	2.298
N-Nitroso-di-n-propylamine	1.555
Hexachloroethane	0.898
Nitrobenzene	0.888
Isophorone	1.094
bis(2-Chloroethoxy)methane	0.507
1,2,4-Trichlorobenzene	0.378
Naphthalene	0.844
4-Chloroaniline	0.359
Hexachlorobutadiene	0.326
2-Methylnaphthalene	0.703
Hexachlorocyclopentadiene	0.358
2-Chloronaphthalene	0.982
2-Nitroaniline	0.604
Dimethylphthalate	1.599
Acenaphthylene	1.576
2,6-Dinitrotoluene	0.300
3-Nitroaniline	0.291
Acenaphthene	0.873

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

RRF10: U31725

COMPOUND	RRF10
Dibenzofuran	1.534
2,4-Dinitrotoluene	0.412
Diethylphthalate	1.851
4-Chlorophenyl-phenylether	0.730
Fluorene	1.146
4-Nitroaniline	0.285
N-Nitrosodiphenylamine	0.478
4-Bromophenyl-phenylether	0.284
Hexachlorobenzene	0.314
Phenanthrene	0.953
Anthracene	0.967
Carbazole	0.962
Di-n-butylphthalate	1.665
Fluoranthene	1.362
Pyrene	1.149
Benzidine	0.553
Butylbenzylphthalate	0.724
3,3'-Dichlorobenzidine	0.511
Benzo(a)anthracene	1.082
Chrysene	0.939
bis(2-Ethylhexyl)phthalate	0.974
Di-n-octylphthalate	1.685
Benzo(b)fluoranthene	1.334
Benzo(k)fluoranthene	1.383
Benzo(a)pyrene	1.199
Indeno(1,2,3-cd)pyrene	1.192
Dibenz(a,h)anthracene	1.025
Benzo(g,h,i)perylene	1.107
Pyridine	1.406
Aniline	2.133
Benzyl Alcohol	0.823
1,2-Diphenylhydrazine	1.195
Diphenyl	1.264
Diphenyl Ether	0.739
Acetophenone	2.272
1,4-Dioxane	0.558
N,N-Dimethylaniline	1.727
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.611

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

RRF10: U31725

COMPOUND	RRF10
Caprolactam	0.107
Atrazine	0.263
n-decane	1.781
Coumarin	0.297
n-Octadecane	0.498
o-Tricresylphosphate	0.316
Carbamazepine	0.645
1-Methylnaphthalene	0.610
2-Fluorophenol (SUR)	1.338
Phenol-d5 (SUR)	1.689
2,4,6-Tribromophenol (SUR)	0.260
Nitrobenzene-d5 (SUR)	0.645
2-Fluorobiphenyl (SUR)	1.172
Terphenyl-d14 (SUR)	0.918

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		1.83764411		2.4*
2-Chlorophenol	AVRG		1.23698810		4.2*
2-Methylphenol	AVRG		1.12911775		6.3*
4-Methylphenol	AVRG		1.21090701		4.3*
2-Nitrophenol	AVRG		0.21869402		12.6*
2,4-Dimethylphenol	AVRG		0.32443280		8.0*
2,4-Dichlorophenol	AVRG		0.34558721		8.1*
4-Chloro-3-methylphenol	AVRG		0.46068643		7.9*
2,4,6-Trichlorophenol	AVRG		0.41509803		7.6*
2,4,5-Trichlorophenol	AVRG		0.43789260		4.3*
2,4-Dinitrophenol	LINR	0.27983640	3.82960934		0.991**
4-Nitrophenol	AVRG		0.47577098		1.5**
4,6-Dinitro-2-methylphenol	AVRG		0.14194253		13.8*
Pentachlorophenol	AVRG		0.21548394		8.3*
Benzoic Acid	AVRG		0.18016243		9.0*
N-Nitrosodimethylamine	AVRG		0.92071832		7.5*
bis(2-Chloroethyl)ether	AVRG		1.42642133		5.7*
1,3-Dichlorobenzene	AVRG		1.57728441		6.4*
1,4-Dichlorobenzene	AVRG		1.45000391		9.4*
1,2-Dichlorobenzene	AVRG		1.45589315		6.1*
bis(2-chloroisopropyl)ether	AVRG		2.08452714		8.0*
N-Nitroso-di-n-propylamine	AVRG		1.44132041		8.3**
Hexachloroethane	AVRG		0.89639728		4.2*
Nitrobenzene	AVRG		0.84333061		6.5*
Isophorone	AVRG		1.08663277		5.1*
bis(2-Chloroethoxy)methane	AVRG		0.48183433		5.0*
1,2,4-Trichlorobenzene	AVRG		0.37373968		14.8*
Naphthalene	AVRG		0.93231272		13.1*
4-Chloroaniline	AVRG		0.37214539		7.0*
Hexachlorobutadiene	AVRG		0.34269136		6.0*
2-Methylnaphthalene	AVRG		0.74269338		9.9*
Hexachlorocyclopentadiene	AVRG		0.42486529		9.4**
2-Chloronaphthalene	AVRG		1.03447890		9.7*
2-Nitroaniline	AVRG		0.57348741		3.9*
Dimethylphthalate	AVRG		1.63935428		5.5*
Acenaphthylene	AVRG		1.62157806		6.4*
2,6-Dinitrotoluene	LINR	0.05167040	2.90612941		0.998*
3-Nitroaniline	AVRG		0.29983149		6.7*
Acenaphthene	LINR	0.13454590	0.79724426		0.992*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dibenzofuran	AVRG		1.67629087		11.3*
2,4-Dinitrotoluene	AVRG		0.43113951		8.4*
Diethylphthalate	AVRG		1.84279526		6.0*
4-Chlorophenyl-phenylether	AVRG		0.77994886		9.5*
Fluorene	AVRG		1.28131915		13.3*
4-Nitroaniline	AVRG		0.28135820		4.5*
N-Nitrosodiphenylamine	AVRG		0.51899425		6.8*
4-Bromophenyl-phenylether	AVRG		0.28705275		5.6*
Hexachlorobenzene	AVRG		0.32836335		8.6*
Phenanthrene	AVRG		1.04500362		10.4*
Anthracene	AVRG		1.06469498		10.5*
Carbazole	AVRG		1.04841967		8.1*
Di-n-butylphthalate	AVRG		1.73050136		3.1*
Fluoranthene	AVRG		1.47763295		5.0*
Pyrene	AVRG		1.17925112		4.2*
Benzidine	2ORDR	0.10173950	0.20564473	5.25681932	0.957*
Butylbenzylphthalate	AVRG		0.69941291		2.1*
3,3'-Dichlorobenzidine	AVRG		0.50236446		6.2*
Benzo(a)anthracene	AVRG		1.07417500		3.3*
Chrysene	AVRG		0.99938959		8.7*
bis(2-Ethylhexyl)phthalate	AVRG		1.00013940		6.2*
Di-n-octylphthalate	AVRG		1.70343352		2.0*
Benzo(b)fluoranthene	AVRG		1.43460361		8.7*
Benzo(k)fluoranthene	AVRG		1.25290862		6.5*
Benzo(a)pyrene	AVRG		1.20344356		5.7*
Indeno(1,2,3-cd)pyrene	AVRG		1.23750183		11.4*
Dibenz(a,h)anthracene	LINR	0.03098500	0.84048109		0.999*
Benzo(g,h,i)perylene	AVRG		1.10160693		8.0*
Pyridine	AVRG		1.39001215		14.4*
Aniline	AVRG		1.94749207		6.8*
Benzyl Alcohol	AVRG		0.88425381		9.1*
1,2-Diphenylhydrazine	AVRG		1.11584377		10.1*
Diphenyl	AVRG		1.38988147		13.6*
Diphenyl Ether	AVRG		0.77856993		9.2*
Acetophenone	AVRG		2.33751856		2.6**
1,4-Dioxane	AVRG		0.52552079		11.5**
N,N-Dimethylaniline	AVRG		1.93954860		15.0**
2,3,7,8-TCDD (Screen)	AVRG		0.11275222		0.0**
Benzaldehyde	2ORDR	0.37549030	-0.7120927	0.73388100	0.964*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 08/31/06 08/31/06

Calibration Time(s): 0941 1343

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.11833938		8.4*
Atrazine	LINR	-0.0845195	4.88345925		0.995*
n-decane	AVRG		1.68127098		9.3*
Coumarin	AVRG		0.29200065		4.1*
n-Octadecane	AVRG		0.52201838		4.7*
o-Tricresylphosphate	AVRG		0.32847970		3.4*
Carbamazepine	AVRG		0.63709612		4.2*
1-Methylnaphthalene	AVRG		0.67249864		8.7*
2-Fluorophenol (SUR)	AVRG		1.34001327		12.3*
Phenol-d5 (SUR)	AVRG		1.78460811		6.9*
2,4,6-Tribromophenol (SUR)	LINR	0.12406183	2.57472247		0.994*
Nitrobenzene-d5 (SUR)	AVRG		0.65372120		3.2*
2-Fluorobiphenyl (SUR)	AVRG		1.26031799		7.0*
Terphenyl-d14 (SUR)	AVRG		0.93542020		6.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/03/06 Time: 1320

Lab File ID: U31778 Init. Calib. Date(s): 08/31/06 08/31/06

Init. Calib. Times: 0941 1343

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.8380000	1.9034921	1.9034921		-3.56	20.00	AVRG
2-Chlorophenol	1.2370000	1.2547537	1.2547537		-1.44	20.00	AVRG
2-Methylphenol	1.1290000	1.2001938	1.2001938		-6.30	20.00	AVRG
4-Methylphenol	1.2110000	1.4289131	1.4289131		-17.99	20.00	AVRG
2-Nitrophenol	0.2190000	0.2339686	0.2339686		-6.83	20.00	AVRG
2,4-Dimethylphenol	0.3240000	0.3328592	0.3328592		-2.73	20.00	AVRG
2,4-Dichlorophenol	0.3460000	0.3536445	0.3536445		-2.21	20.00	AVRG
4-Chloro-3-methylphenol	0.4600000	0.4901044	0.4901044		-6.54	20.00	AVRG
2,4,6-Trichlorophenol	0.4150000	0.4345991	0.4345991		-4.72	20.00	AVRG
2,4,5-Trichlorophenol	0.4380000	0.4512850	0.4512850		-3.03	20.00	AVRG
2,4-Dinitrophenol	51.171562	50.000000	0.2087843	0.05	-2.34		LINR
4-Nitrophenol	0.4760000	0.5115654	0.5115654	0.05	-7.47	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1420000	0.1523397	0.1523397		-7.28	20.00	AVRG
Pentachlorophenol	0.2160000	0.2056602	0.2056602		4.79	20.00	AVRG
Benzoic Acid	0.1800000	0.2118953	0.2118953		-17.72	20.00	AVRG
N-Nitrosodimethylamine	0.9210000	0.9038821	0.9038821		1.86	20.00	AVRG
bis(2-Chloroethyl)ether	1.4260000	1.3671870	1.3671870		4.12	20.00	AVRG
1,3-Dichlorobenzene	1.5770000	1.6419906	1.6419906		-4.12	20.00	AVRG
1,4-Dichlorobenzene	1.4500000	1.5905789	1.5905789		-9.70	20.00	AVRG
1,2-Dichlorobenzene	1.4560000	1.5480164	1.5480164		-6.32	20.00	AVRG
bis(2-chloroisopropyl)ether	2.0850000	2.0501400	2.0501400		1.67	20.00	AVRG
N-Nitroso-di-n-propylamine	1.4410000	1.5172148	1.5172148	0.05	-5.29	20.00	AVRG
Hexachloroethane	0.8960000	0.9611742	0.9611742		-7.27	20.00	AVRG
Nitrobenzene	0.8430000	0.8470394	0.8470394		-0.48	20.00	AVRG
Isophorone	1.0870000	1.1345801	1.1345801		-4.38	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4820000	0.4758859	0.4758859		1.27	20.00	AVRG
1,2,4-Trichlorobenzene	0.3740000	0.4015555	0.4015555		-7.37	20.00	AVRG
Naphthalene	0.9320000	0.9312797	0.9312797		0.08	20.00	AVRG
4-Chloroaniline	0.3720000	0.4048928	0.4048928		-8.84	20.00	AVRG
Hexachlorobutadiene	0.3420000	0.3520363	0.3520363		-2.93	20.00	AVRG
2-Methylnaphthalene	0.7430000	0.8165142	0.8165142		-9.89	20.00	AVRG
Hexachlorocyclopentadiene	0.4250000	0.3634144	0.3634144	0.05	14.49	20.00	AVRG
2-Chloronaphthalene	1.0340000	1.0797333	1.0797333		-4.42	20.00	AVRG
2-Nitroaniline	0.5730000	0.5856426	0.5856426		-2.21	20.00	AVRG
Dimethylphthalate	1.6400000	1.7267081	1.7267081		-5.29	20.00	AVRG
Acenaphthylene	1.6220000	1.6391085	1.6391085		-1.05	20.00	AVRG
2,6-Dinitrotoluene	47.327466	50.000000	0.3114841		5.34		LINR
3-Nitroaniline	0.3000000	0.3054587	0.3054587		-1.82	20.00	AVRG
Acenaphthene	45.341819	50.000000	1.0024527		9.32		LINR
Dibenzofuran	1.6760000	1.7396823	1.7396823		-3.80	20.00	AVRG
2,4-Dinitrotoluene	0.4310000	0.4605041	0.4605041		-6.84	20.00	AVRG
Diethylphthalate	1.8430000	1.9861224	1.9861224		-7.76	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/03/06 Time: 1320

Lab File ID: U31778 Init. Calib. Date(s): 08/31/06 08/31/06

Init. Calib. Times: 0941 1343

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.7800000	0.8190219	0.8190219		-5.00	20.00	AVRG	
Fluorene	1.2820000	1.3122308	1.3122308		-2.36	20.00	AVRG	
4-Nitroaniline	0.2820000	0.2853722	0.2853722		-1.20	20.00	AVRG	
N-Nitrosodiphenylamine	0.5190000	0.5318813	0.5318813		-2.48	20.00	AVRG	
4-Bromophenyl-phenylether	0.2870000	0.2859611	0.2859611		0.36	20.00	AVRG	
Hexachlorobenzene	0.3280000	0.3330192	0.3330192		-1.53	20.00	AVRG	
Phenanthrene	1.0450000	1.1099828	1.1099828		-6.22	20.00	AVRG	
Anthracene	1.0650000	1.1139540	1.1139540		-4.60	20.00	AVRG	
Carbazole	1.0480000	0.9311728	0.9311728		11.15	20.00	AVRG	
Di-n-butylphthalate	1.7310000	1.7112360	1.7112360		1.14	20.00	AVRG	
Fluoranthene	1.4780000	1.4021512	1.4021512		5.13	20.00	AVRG	
Pyrene	1.1790000	1.1229726	1.1229726		4.75	20.00	AVRG	
Benzidine	18.602885	50.000000	0.1952535		62.79		2RDR	
Butylbenzylphthalate	0.7000000	0.6165111	0.6165111		11.93	20.00	AVRG	
3,3'-Dichlorobenzidine	0.5020000	0.5058989	0.5058989		-0.78	20.00	AVRG	
Benzo(a)anthracene	1.0740000	0.9895056	0.9895056		7.87	20.00	AVRG	
Chrysene	0.9990000	0.9864480	0.9864480		1.26	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	1.0000000	0.9721983	0.9721983		2.78	20.00	AVRG	
Di-n-octylphthalate	1.7030000	1.6568795	1.6568795		2.71	20.00	AVRG	
Benzo(b)fluoranthene	1.4340000	1.3865589	1.3865589		3.31	20.00	AVRG	
Benzo(k)fluoranthene	1.2530000	1.2974128	1.2974128		-3.54	20.00	AVRG	
Benzo(a)pyrene	1.2030000	1.2267517	1.2267517		-1.97	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2380000	1.3942832	1.3942832		-12.62	20.00	AVRG	
Dibenz(a,h)anthracene	50.725962	50.000000	1.1775770		-1.45		LINR	
Benzo(g,h,i)perylene	1.1020000	1.2240248	1.2240248		-11.07	20.00	AVRG	
Pyridine	1.3900000	1.4351529	1.4351529		-3.25	20.00	AVRG	
Aniline	1.9480000	1.8059112	1.8059112		7.29	20.00	AVRG	
Benzyl Alcohol	0.8840000	0.9551897	0.9551897		-8.05	20.00	AVRG	
1,2-Diphenylhydrazine	1.1160000	1.1002039	1.1002039		1.42	20.00	AVRG	
Diphenyl	1.3900000	1.4304653	1.4304653		-2.91	20.00	AVRG	
Diphenyl Ether	0.7790000	0.8110582	0.8110582		-4.12	20.00	AVRG	
Acetophenone	2.3380000	2.4683298	2.4683298	0.01	-5.57	20.00	AVRG	
1,4-Dioxane	0.5260000	0.4839717	0.4839717	0.01	7.99	20.00	AVRG	
N,N-Dimethylaniline	1.9400000	2.1520510	2.1520510	0.01	-10.93	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1130000	0.1595152	0.1595152	0.01	-41.16	20.00	AVRG	<-
Benzaldehyde	48.238823	50.000000	1.3234758		3.52		2RDR	
Caprolactam	0.1180000	0.1264866	0.1264866		-7.19	20.00	AVRG	
Atrazine	36.524063	50.000000	0.1634286		26.95		LINR	
n-decane	1.6810000	1.5895957	1.5895957		5.44	20.00	AVRG	
Coumarin	0.2920000	0.3095636	0.3095636		-6.01	20.00	AVRG	
n-Octadecane	0.5220000	0.4810119	0.4810119		7.85	20.00	AVRG	
o-Tricresylphosphate	0.3280000	0.3124771	0.3124771		4.73	20.00	AVRG	

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/03/06 Time: 1320

Lab File ID: U31778 Init. Calib. Date(s): 08/31/06 08/31/06

Init. Calib. Times: 0941 1343

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6370000	0.6047183	0.6047183		5.07	20.00	AVRG
1-Methylnaphthalene	0.6720000	0.7203709	0.7203709		-7.20	20.00	AVRG
2-Fluorophenol (SUR)	1.3400000	1.3624552	1.3624552		-1.68	20.00	AVRG
Phenol-d5 (SUR)	1.7840000	1.8792706	1.8792706		-5.34	20.00	AVRG
2,4,6-Tribromophenol (SUR)	46.776757	50.000000	0.3248061		6.45		LINR
Nitrobenzene-d5 (SUR)	0.6540000	0.6694886	0.6694886		-2.37	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.2600000	1.2642639	1.2642639		-0.34	20.00	AVRG
Terphenyl-d14 (SUR)	0.9360000	0.8818919	0.8818919		5.78	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 6.426510334
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

LAB FILE ID: RRF5: U31945 RRF20: U31947 RRF50: U31943
RRF80: U31946 RRF120: U31944

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	2.229	2.128	1.917	1.991	1.792
2-Chlorophenol	1.515	1.393	1.268	1.318	1.239
2-Methylphenol	1.364	1.374	1.262	1.420	1.326
4-Methylphenol	1.529	1.505	1.443	1.582	1.480
2-Nitrophenol	0.222	0.230	0.232	0.231	0.223
2,4-Dimethylphenol	0.390	0.355	0.343	0.346	0.342
2,4-Dichlorophenol	0.351	0.331	0.329	0.346	0.327
4-Chloro-3-methylphenol	0.470	0.456	0.487	0.442	0.400
2,4,6-Trichlorophenol	0.440	0.463	0.440	0.464	0.427
2,4,5-Trichlorophenol	0.416	0.514	0.446	0.454	0.451
2,4-Dinitrophenol	0.126	0.185	0.199	0.233	0.227
4-Nitrophenol	0.355	0.387	0.402	0.430	0.384
4,6-Dinitro-2-methylphenol	0.150	0.162	0.154	0.163	0.143
Pentachlorophenol	0.155	0.169	0.189	0.193	0.178
Benzoic Acid	0.036	0.160	0.178	0.185	0.190
N-Nitrosodimethylamine	1.158	1.378	1.223	1.226	1.151
bis(2-Chloroethyl)ether	1.695	1.802	1.567	1.526	1.456
1,3-Dichlorobenzene	1.621	1.633	1.440	1.537	1.412
1,4-Dichlorobenzene	1.507	1.500	1.414	1.461	1.397
1,2-Dichlorobenzene	1.529	1.621	1.344	1.468	1.378
bis(2-chloroisopropyl)ether	2.078	2.113	1.844	1.976	1.798
N-Nitroso-di-n-propylamine	1.251	1.490	1.408	1.431	1.350
Hexachloroethane	0.681	0.776	0.716	0.745	0.695
Nitrobenzene	0.750	0.679	0.655	0.649	0.604
Isophorone	1.176	1.030	1.014	1.033	0.981
bis(2-Chloroethoxy)methane	0.538	0.525	0.514	0.493	0.475
1,2,4-Trichlorobenzene	0.367	0.388	0.395	0.363	0.351
Naphthalene	0.999	0.914	0.961	0.920	0.952
4-Chloroaniline	0.468	0.435	0.407	0.420	0.410
Hexachlorobutadiene	0.266	0.244	0.259	0.257	0.223
2-Methylnaphthalene	0.818	0.758	0.774	0.772	0.725
Hexachlorocyclopentadiene	0.226	0.265	0.356	0.329	0.330
2-Chloronaphthalene	1.216	1.204	1.016	1.061	1.016
2-Nitroaniline	0.498	0.559	0.501	0.491	0.484
Dimethylphthalate	1.611	1.754	1.478	1.611	1.439
Acenaphthylene	1.891	1.902	1.567	1.726	1.580
2,6-Dinitrotoluene	0.265	0.362	0.353	0.348	0.340
3-Nitroaniline	0.379	0.416	0.375	0.375	0.376
Acenaphthene	1.026	1.178	0.991	1.073	0.989

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

LAB FILE ID: RRF5: U31945 RRF20: U31947 RRF50: U31943
RRF80: U31946 RRF120: U31944

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.655	1.682	1.556	1.610	1.537
2,4-Dinitrotoluene	0.414	0.512	0.463	0.498	0.489
Diethylphthalate	1.532	1.905	1.704	1.734	1.577
4-Chlorophenyl-phenylether	0.831	0.861	0.777	0.785	0.721
Fluorene	1.431	1.346	1.280	1.267	1.248
4-Nitroaniline	0.363	0.430	0.382	0.399	0.393
N-Nitrosodiphenylamine	0.633	0.556	0.473	0.520	0.451
4-Bromophenyl-phenylether	0.328	0.319	0.256	0.272	0.239
Hexachlorobenzene	0.382	0.361	0.286	0.311	
Phenanthrene	1.212	1.083	0.964	1.093	0.998
Anthracene	1.136	1.123	0.977	1.006	0.914
Carbazole	1.158	1.045	0.948	1.040	0.900
Di-n-butylphthalate	1.911	1.846	1.455	1.575	1.339
Fluoranthene	1.652	1.614	1.330	1.398	1.186
Pyrene	1.353	1.289	1.095	1.210	1.112
Benzidine	0.642	0.470	0.317	0.312	0.236
Butylbenzylphthalate	0.717	0.751	0.623	0.678	0.650
3,3'-Dichlorobenzidine	0.526	0.505	0.452	0.393	0.328
Benzo(a)anthracene	1.582	1.216	1.045	1.106	1.029
Chrysene	1.073	1.104	0.966	1.045	0.982
bis(2-Ethylhexyl)phthalate	0.918	0.918	0.778	0.828	0.740
Di-n-octylphthalate	1.811	1.738	1.600	1.533	1.422
Benzo(b)fluoranthene	1.828	1.473	1.584	1.644	1.541
Benzo(k)fluoranthene	1.651	1.475	1.176	1.033	0.902
Benzo(a)pyrene	1.566	1.355	1.262	1.260	1.172
Indeno(1,2,3-cd)pyrene	1.590	1.514	1.533	1.428	1.278
Dibenz(a,h)anthracene	1.249	1.211	1.197	1.149	1.074
Benzo(g,h,i)perylene	1.393	1.354	1.390	1.286	1.201
Pyridine	1.587	2.050	1.938	2.074	1.925
Aniline	2.631	2.445	2.307	2.149	1.993
Benzyl Alcohol	1.009	1.141	1.003	1.080	1.035
1,2-Diphenylhydrazine	1.193	1.158	0.927	1.014	0.950
Diphenyl	1.536	1.426	1.425	1.467	1.313
Diphenyl Ether	0.829	0.954	0.784	0.855	0.752
Acetophenone	2.493	2.516	2.301	2.427	2.135
1,4-Dioxane	0.722	0.900	0.880	0.900	0.852
N,N-Dimethylaniline	1.757	2.115	1.933	2.112	1.945
2,3,7,8-TCDD (Screen)			0.177		
Benzaldehyde	1.424	1.462	0.959	0.866	

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

LAB FILE ID: RRF5: U31945 RRF20: U31947 RRF50: U31943
RRF80: U31946 RRF120: U31944

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.147	0.154	0.152	0.159	0.171
Atrazine	0.321	0.268	0.205	0.217	0.179
n-decane	1.489	1.512	1.369	1.431	1.282
Coumarin	0.296	0.288	0.287	0.298	0.283
n-Octadecane	0.579	0.541	0.475	0.525	0.439
o-Tricresylphosphate	0.276	0.279	0.259	0.255	0.263
Carbamazepine	0.495	0.576	0.531	0.553	0.571
1-Methylnaphthalene	0.720	0.678	0.679	0.680	0.668
2-Fluorophenol (SUR)	1.432	1.644	1.643	1.732	1.585
Phenol-d5 (SUR)	2.163	2.298	2.114	2.188	2.077
2,4,6-Tribromophenol (SUR)	0.300	0.318	0.308	0.326	0.308
Nitrobenzene-d5 (SUR)	0.554	0.509	0.560	0.531	0.494
2-Fluorobiphenyl (SUR)	1.458	1.347	1.230	1.237	1.162
Terphenyl-d14 (SUR)	0.938	0.947	0.764	0.866	0.806

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

RRF10: U31948

COMPOUND	RRF10
Phenol	2.261
2-Chlorophenol	1.508
2-Methylphenol	1.478
4-Methylphenol	1.563
2-Nitrophenol	0.242
2,4-Dimethylphenol	0.388
2,4-Dichlorophenol	0.370
4-Chloro-3-methylphenol	0.491
2,4,6-Trichlorophenol	0.453
2,4,5-Trichlorophenol	0.491
2,4-Dinitrophenol	0.147
4-Nitrophenol	0.350
4,6-Dinitro-2-methylphenol	0.161
Pentachlorophenol	0.172
Benzoic Acid	0.101
N-Nitrosodimethylamine	1.362
bis(2-Chloroethyl)ether	1.737
1,3-Dichlorobenzene	1.661
1,4-Dichlorobenzene	1.535
1,2-Dichlorobenzene	1.506
bis(2-chloroisopropyl)ether	2.196
N-Nitroso-di-n-propylamine	1.497
Hexachloroethane	0.778
Nitrobenzene	0.744
Isophorone	1.049
bis(2-Chloroethoxy)methane	0.540
1,2,4-Trichlorobenzene	0.415
Naphthalene	1.001
4-Chloroaniline	0.418
Hexachlorobutadiene	0.260
2-Methylnaphthalene	0.826
Hexachlorocyclopentadiene	0.190
2-Chloronaphthalene	1.126
2-Nitroaniline	0.492
Dimethylphthalate	1.582
Acenaphthylene	1.741
2,6-Dinitrotoluene	0.339
3-Nitroaniline	0.376
Acenaphthene	0.995

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

RRF10: U31948

COMPOUND	RRF10
Dibenzofuran	1.625
2,4-Dinitrotoluene	0.487
Diethylphthalate	1.738
4-Chlorophenyl-phenylether	0.873
Fluorene	1.334
4-Nitroaniline	0.380
N-Nitrosodiphenylamine	0.611
4-Bromophenyl-phenylether	0.321
Hexachlorobenzene	0.372
Phenanthrene	1.233
Anthracene	1.221
Carbazole	1.168
Di-n-butylphthalate	1.900
Fluoranthene	1.688
Pyrene	1.348
Benzidine	0.614
Butylbenzylphthalate	0.684
3,3'-Dichlorobenzidine	0.539
Benzo(a)anthracene	1.266
Chrysene	1.083
bis(2-Ethylhexyl)phthalate	0.975
Di-n-octylphthalate	1.858
Benzo(b)fluoranthene	1.551
Benzo(k)fluoranthene	1.503
Benzo(a)pyrene	1.359
Indeno(1,2,3-cd)pyrene	1.522
Dibenz(a,h)anthracene	1.266
Benzo(g,h,i)perylene	1.323
Pyridine	1.970
Aniline	2.525
Benzyl Alcohol	1.047
1,2-Diphenylhydrazine	1.275
Diphenyl	1.456
Diphenyl Ether	0.816
Acetophenone	2.569
1,4-Dioxane	0.817
N,N-Dimethylaniline	2.197
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.599

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

RRF10: U31948

COMPOUND	RRF10
Caprolactam	0.157
Atrazine	0.290
n-decane	1.577
Coumarin	0.335
n-Octadecane	0.632
o-Tricresylphosphate	0.275
Carbamazepine	0.586
1-Methylnaphthalene	0.710
2-Fluorophenol (SUR)	1.601
Phenol-d5 (SUR)	2.237
2,4,6-Tribromophenol (SUR)	0.284
Nitrobenzene-d5 (SUR)	0.583
2-Fluorobiphenyl (SUR)	1.360
Terphenyl-d14 (SUR)	0.957

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		2.05293664		9.0*
2-Chlorophenol	AVRG		1.37353646		8.6*
2-Methylphenol	AVRG		1.37086266		5.4*
4-Methylphenol	AVRG		1.51685461		3.4*
2-Nitrophenol	AVRG		0.23011793		3.2*
2,4-Dimethylphenol	AVRG		0.36063330		6.3*
2,4-Dichlorophenol	AVRG		0.34227396		4.8*
4-Chloro-3-methylphenol	AVRG		0.45779641		7.4*
2,4,6-Trichlorophenol	AVRG		0.44794919		3.3*
2,4,5-Trichlorophenol	AVRG		0.46199498		7.6*
2,4-Dinitrophenol	2ORDR	0.00000000	5.28613867	-1.4293576	0.993**
4-Nitrophenol	AVRG		0.38453220		7.7**
4,6-Dinitro-2-methylphenol	AVRG		0.15557125		5.1*
Pentachlorophenol	AVRG		0.17587868		7.9*
Benzoic Acid	LINR	0.00000000	5.35004295		0.994*
N-Nitrosodimethylamine	AVRG		1.24976520		7.9*
bis(2-Chloroethyl)ether	AVRG		1.63050409		8.2*
1,3-Dichlorobenzene	AVRG		1.55061907		6.8*
1,4-Dichlorobenzene	AVRG		1.46905617		3.7*
1,2-Dichlorobenzene	AVRG		1.47425271		6.9*
bis(2-chloroisopropyl)ether	AVRG		2.00085757		7.8*
N-Nitroso-di-n-propylamine	AVRG		1.40457311		6.6**
Hexachloroethane	AVRG		0.73193615		5.6*
Nitrobenzene	AVRG		0.68026438		8.4*
Isophorone	AVRG		1.04722130		6.4*
bis(2-Chloroethoxy)methane	AVRG		0.51437908		5.0*
1,2,4-Trichlorobenzene	AVRG		0.37994104		6.2*
Naphthalene	AVRG		0.95785259		3.9*
4-Chloroaniline	AVRG		0.42632315		5.3*
Hexachlorobutadiene	AVRG		0.25161879		6.2*
2-Methylnaphthalene	AVRG		0.77894320		4.8*
Hexachlorocyclopentadiene	LINR	0.00000000	3.01414018		0.995**
2-Chloronaphthalene	AVRG		1.10637576		8.1*
2-Nitroaniline	AVRG		0.50407849		5.5*
Dimethylphthalate	AVRG		1.57929415		7.1*
Acenaphthylene	AVRG		1.73449527		8.3*
2,6-Dinitrotoluene	AVRG		0.33451800		10.4*
3-Nitroaniline	AVRG		0.38285050		4.2*
Acenaphthene	AVRG		1.04199185		7.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dibenzofuran	AVRG		1.61095752		3.5*
2,4-Dinitrotoluene	AVRG		0.47731495		7.3*
Diethylphthalate	AVRG		1.69831304		7.8*
4-Chlorophenyl-phenylether	AVRG		0.80803775		7.1*
Fluorene	AVRG		1.31774744		5.1*
4-Nitroaniline	AVRG		0.39116981		5.8*
N-Nitrosodiphenylamine	AVRG		0.54063802		13.5*
4-Bromophenyl-phenylether	AVRG		0.28941389		13.2*
Hexachlorobenzene	AVRG		0.34240387		12.2*
Phenanthrene	AVRG		1.09730094		9.9*
Anthracene	AVRG		1.06287776		10.9*
Carbazole	AVRG		1.04309968		10.4*
Di-n-butylphthalate	AVRG		1.67123008		14.8*
Fluoranthene	AVRG		1.47810269		13.7*
Pyrene	AVRG		1.23457566		9.2*
Benzidine	2ORDR	0.00000000	0.54107124	4.91415698	0.967*
Butylbenzylphthalate	AVRG		0.68380710		6.7*
3,3'-Dichlorobenzidine	2ORDR	0.00000000	1.24789036	1.77669735	0.998*
Benzo(a)anthracene	LINR	0.00000000	0.94566379		0.996*
Chrysene	AVRG		1.04226389		5.4*
bis(2-Ethylhexyl)phthalate	AVRG		0.85957973		10.7*
Di-n-octylphthalate	AVRG		1.66051831		10.2*
Benzo(b)fluoranthene	AVRG		1.60349993		7.7*
Benzo(k)fluoranthene	2ORDR	0.00000000	0.53615526	0.21095927	1.000*
Benzo(a)pyrene	AVRG		1.32907226		10.2*
Indeno(1,2,3-cd)pyrene	AVRG		1.47753260		7.5*
Dibenz(a,h)anthracene	AVRG		1.19117718		5.9*
Benzo(g,h,i)perylene	AVRG		1.32468949		5.5*
Pyridine	AVRG		1.92400378		9.1*
Aniline	AVRG		2.34176123		10.2*
Benzyl Alcohol	AVRG		1.05255718		4.9*
1,2-Diphenylhydrazine	AVRG		1.08624121		13.1*
Diphenyl	AVRG		1.43728075		5.1*
Diphenyl Ether	AVRG		0.83181620		8.4*
Acetophenone	AVRG		2.40693235		6.7**
1,4-Dioxane	AVRG		0.84535109		8.0**
N,N-Dimethylaniline	AVRG		2.00982165		8.0**
2,3,7,8-TCDD (Screen)	AVRG		0.17681717		0.0**
Benzaldehyde	AVRG		1.26207301		25.9*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.15685636		5.2*
Atrazine	2ORDR	0.00000000	3.36005059	3.83817505	0.991*
n-decane	AVRG		1.44336240		7.4*
Coumarin	AVRG		0.29791742		6.4*
n-Octadecane	AVRG		0.53169137		13.1*
o-Tricresylphosphate	AVRG		0.26789012		3.7*
Carbamazepine	AVRG		0.55207612		6.2*
1-Methylnaphthalene	AVRG		0.68906991		3.0*
2-Fluorophenol (SUR)	AVRG		1.60620411		6.2*
Phenol-d5 (SUR)	AVRG		2.17949205		3.7*
2,4,6-Tribromophenol (SUR)	AVRG		0.30739776		4.8*
Nitrobenzene-d5 (SUR)	AVRG		0.53859956		6.2*
2-Fluorobiphenyl (SUR)	AVRG		1.29922726		8.3*
Terphenyl-d14 (SUR)	AVRG		0.87932165		9.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/14/06 Time: 1151

Lab File ID: U31961 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	2.0530000	2.0972909	2.0972909		-2.16	20.00	AVRG
2-Chlorophenol	1.3740000	1.2993956	1.2993956		5.43	20.00	AVRG
2-Methylphenol	1.3710000	1.4400675	1.4400675		-5.04	20.00	AVRG
4-Methylphenol	1.5170000	1.6025515	1.6025515		-5.64	20.00	AVRG
2-Nitrophenol	0.2300000	0.2377613	0.2377613		-3.37	20.00	AVRG
2,4-Dimethylphenol	0.3610000	0.3290017	0.3290017		8.86	20.00	AVRG
2,4-Dichlorophenol	0.3420000	0.3364407	0.3364407		1.62	20.00	AVRG
4-Chloro-3-methylphenol	0.4580000	0.4744348	0.4744348		-3.59	20.00	AVRG
2,4,6-Trichlorophenol	0.4480000	0.4296942	0.4296942		4.09	20.00	AVRG
2,4,5-Trichlorophenol	0.4620000	0.4757723	0.4757723		-2.98	20.00	AVRG
2,4-Dinitrophenol	40.435659	50.000000	0.1618404	0.05	19.13		2RDR
4-Nitrophenol	0.3850000	0.4299373	0.4299373	0.05	-11.67	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1560000	0.1538045	0.1538045		1.41	20.00	AVRG
Pentachlorophenol	0.1760000	0.1873447	0.1873447		-6.44	20.00	AVRG
Benzoic Acid	22.013429	50.000000	0.0822925		55.97		LINR
N-Nitrosodimethylamine	1.2500000	1.3811638	1.3811638		-10.49	20.00	AVRG
bis(2-Chloroethyl)ether	1.6300000	1.6036833	1.6036833		1.61	20.00	AVRG
1,3-Dichlorobenzene	1.5510000	1.5328460	1.5328460		1.17	20.00	AVRG
1,4-Dichlorobenzene	1.4690000	1.3781060	1.3781060		6.19	20.00	AVRG
1,2-Dichlorobenzene	1.4740000	1.4305762	1.4305762		2.94	20.00	AVRG
bis(2-chloroisopropyl)ether	2.0010000	2.0727286	2.0727286		-3.58	20.00	AVRG
N-Nitroso-di-n-propylamine	1.4040000	1.5438365	1.5438365	0.05	-9.96	20.00	AVRG
Hexachloroethane	0.7320000	0.7672272	0.7672272		-4.81	20.00	AVRG
Nitrobenzene	0.6800000	0.6458109	0.6458109		5.03	20.00	AVRG
Isophorone	1.0470000	0.9832060	0.9832060		6.09	20.00	AVRG
bis(2-Chloroethoxy)methane	0.5140000	0.5041535	0.5041535		1.92	20.00	AVRG
1,2,4-Trichlorobenzene	0.3800000	0.3757506	0.3757506		1.12	20.00	AVRG
Naphthalene	0.9580000	0.9586081	0.9586081		-0.06	20.00	AVRG
4-Chloroaniline	0.4260000	0.4449477	0.4449477		-4.45	20.00	AVRG
Hexachlorobutadiene	0.2520000	0.2573624	0.2573624		-2.13	20.00	AVRG
2-Methylnaphthalene	0.7790000	0.7358044	0.7358044		5.54	20.00	AVRG
Hexachlorocyclopentadiene	46.974948	50.000000	0.3116972	0.05	6.05		LINR
2-Chloronaphthalene	1.1060000	0.9968530	0.9968530		9.87	20.00	AVRG
2-Nitroaniline	0.5040000	0.4964855	0.4964855		1.49	20.00	AVRG
Dimethylphthalate	1.5790000	1.5362705	1.5362705		2.71	20.00	AVRG
Acenaphthylene	1.7340000	1.6180025	1.6180025		6.69	20.00	AVRG
2,6-Dinitrotoluene	0.3340000	0.3322618	0.3322618		0.52	20.00	AVRG
3-Nitroaniline	0.3830000	0.3836735	0.3836735		-0.18	20.00	AVRG
Acenaphthene	1.0420000	1.0005460	1.0005460		3.98	20.00	AVRG
Dibenzofuran	1.6110000	1.6146944	1.6146944		-0.23	20.00	AVRG
2,4-Dinitrotoluene	0.4770000	0.4651389	0.4651389		2.49	20.00	AVRG
Diethylphthalate	1.6980000	1.7627181	1.7627181		-3.81	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/14/06 Time: 1151

Lab File ID: U31961 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.8080000	0.7712999	0.7712999		4.54	20.00	AVRG
Fluorene	1.3180000	1.2702868	1.2702868		3.62	20.00	AVRG
4-Nitroaniline	0.3910000	0.4007477	0.4007477		-2.49	20.00	AVRG
N-Nitrosodiphenylamine	0.5410000	0.5128093	0.5128093		5.21	20.00	AVRG
4-Bromophenyl-phenylether	0.2890000	0.2770530	0.2770530		4.13	20.00	AVRG
Hexachlorobenzene	0.3420000	0.2886409	0.2886409		15.60	20.00	AVRG
Phenanthrene	1.0970000	1.0295405	1.0295405		6.15	20.00	AVRG
Anthracene	1.0630000	0.9916162	0.9916162		6.72	20.00	AVRG
Carbazole	1.0430000	0.9578357	0.9578357		8.16	20.00	AVRG
Di-n-butylphthalate	1.6710000	1.5664043	1.5664043		6.26	20.00	AVRG
Fluoranthene	1.4780000	1.3884008	1.3884008		6.06	20.00	AVRG
Pyrene	1.2340000	1.1579713	1.1579713		6.16	20.00	AVRG
Benzidine	55.202247	50.000000	0.3821889		-10.40		2RDR
Butylbenzylphthalate	0.6840000	0.6532991	0.6532991		4.49	20.00	AVRG
3,3'-Dichlorobenzidine	59.248272	50.000000	0.5016709		-18.50		2RDR
Benzo(a)anthracene	51.781497	50.000000	1.0951355		-3.56		LINR
Chrysene	1.0420000	0.9921223	0.9921223		4.79	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.8600000	0.8260783	0.8260783		3.94	20.00	AVRG
Di-n-octylphthalate	1.6600000	1.5299598	1.5299598		7.83	20.00	AVRG
Benzo(b)fluoranthene	1.6040000	1.4306611	1.4306611		10.81	20.00	AVRG
Benzo(k)fluoranthene	50.822540	50.000000	1.1942938		-1.64		2RDR
Benzo(a)pyrene	1.3290000	1.2553576	1.2553576		5.54	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.4780000	1.5231982	1.5231982		-3.06	20.00	AVRG
Dibenz(a,h)anthracene	1.1910000	1.1758531	1.1758531		1.27	20.00	AVRG
Benzo(g,h,i)perylene	1.3240000	1.3422486	1.3422486		-1.38	20.00	AVRG
Pyridine	1.9240000	2.1107236	2.1107236		-9.70	20.00	AVRG
Aniline	2.3420000	2.1878554	2.1878554		6.58	20.00	AVRG
Benzyl Alcohol	1.0520000	1.1175319	1.1175319		-6.23	20.00	AVRG
1,2-Diphenylhydrazine	1.0860000	0.9405463	0.9405463		13.39	20.00	AVRG
Diphenyl	1.4370000	1.3935094	1.3935094		3.03	20.00	AVRG
Diphenyl Ether	0.8320000	0.7719649	0.7719649		7.22	20.00	AVRG
Acetophenone	2.4070000	2.4491741	2.4491741	0.01	-1.75	20.00	AVRG
1,4-Dioxane	0.8450000	0.7812954	0.7812954	0.01	7.54	20.00	AVRG
N,N-Dimethylaniline	2.0100000	2.0406806	2.0406806	0.01	-1.53	20.00	AVRG
2,3,7,8-TCDD (Screen)	0.1770000	0.1661808	0.1661808	0.01	6.11	20.00	AVRG
Benzaldehyde	1.2620000	1.1982378	1.1982378		5.05	20.00	AVRG
Caprolactam	0.1570000	0.1792807	0.1792807		-14.19	20.00	AVRG
Atrazine	51.290124	50.000000	0.2298548		-2.58		2RDR
n-decane	1.4430000	1.3539309	1.3539309		6.17	20.00	AVRG
Coumarin	0.2980000	0.3295327	0.3295327		-10.58	20.00	AVRG
n-Octadecane	0.5320000	0.5037201	0.5037201		5.32	20.00	AVRG
o-Tricresylphosphate	0.2680000	0.2694309	0.2694309		-0.53	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/14/06 Time: 1151

Lab File ID: U31961 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.5520000	0.5630563	0.5630563		-2.00	20.00	AVRG
1-Methylnaphthalene	0.6890000	0.7035546	0.7035546		-2.11	20.00	AVRG
2-Fluorophenol (SUR)	1.6060000	1.7034413	1.7034413		-6.07	20.00	AVRG
Phenol-d5 (SUR)	2.1800000	2.2940667	2.2940667		-5.23	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.3070000	0.3343986	0.3343986		-8.92	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.5380000	0.5500251	0.5500251		-2.24	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.2990000	1.2328133	1.2328133		5.10	20.00	AVRG
Terphenyl-d14 (SUR)	0.8800000	0.8097894	0.8097894		7.98	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 5.895097256
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/14/06 Time: 2346

Lab File ID: U31979 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	2.0530000	1.9459425	1.9459425		5.21	20.00	AVRG
2-Chlorophenol	1.3740000	1.3121318	1.3121318		4.50	20.00	AVRG
2-Methylphenol	1.3710000	1.3597810	1.3597810		0.82	20.00	AVRG
4-Methylphenol	1.5170000	1.5018319	1.5018319		1.00	20.00	AVRG
2-Nitrophenol	0.2300000	0.2152134	0.2152134		6.43	20.00	AVRG
2,4-Dimethylphenol	0.3610000	0.3060271	0.3060271		15.23	20.00	AVRG
2,4-Dichlorophenol	0.3420000	0.2978853	0.2978853		12.90	20.00	AVRG
4-Chloro-3-methylphenol	0.4580000	0.4354699	0.4354699		4.92	20.00	AVRG
2,4,6-Trichlorophenol	0.4480000	0.4270125	0.4270125		4.68	20.00	AVRG
2,4,5-Trichlorophenol	0.4620000	0.4384671	0.4384671		5.09	20.00	AVRG
2,4-Dinitrophenol	39.347370	50.000000	0.1572252	0.05	21.30		2RDR
4-Nitrophenol	0.3850000	0.3664346	0.3664346	0.05	4.82	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1560000	0.1372057	0.1372057		12.05	20.00	AVRG
Pentachlorophenol	0.1760000	0.1600512	0.1600512		9.06	20.00	AVRG
Benzoic Acid	47.230417	50.000000	0.1765609		5.54		LINR
N-Nitrosodimethylamine	1.2500000	1.3297387	1.3297387		-6.38	20.00	AVRG
bis(2-Chloroethyl)ether	1.6300000	1.5924147	1.5924147		2.30	20.00	AVRG
1,3-Dichlorobenzene	1.5510000	1.5740978	1.5740978		-1.49	20.00	AVRG
1,4-Dichlorobenzene	1.4690000	1.4511859	1.4511859		1.21	20.00	AVRG
1,2-Dichlorobenzene	1.4740000	1.4149035	1.4149035		4.01	20.00	AVRG
bis(2-chloroisopropyl)ether	2.0010000	1.9893619	1.9893619		0.58	20.00	AVRG
N-Nitroso-di-n-propylamine	1.4040000	1.4349616	1.4349616	0.05	-2.20	20.00	AVRG
Hexachloroethane	0.7320000	0.7817429	0.7817429		-6.80	20.00	AVRG
Nitrobenzene	0.6800000	0.6183943	0.6183943		9.06	20.00	AVRG
Isophorone	1.0470000	0.9576516	0.9576516		8.53	20.00	AVRG
bis(2-Chloroethoxy)methane	0.5140000	0.4493948	0.4493948		12.57	20.00	AVRG
1,2,4-Trichlorobenzene	0.3800000	0.3347426	0.3347426		11.91	20.00	AVRG
Naphthalene	0.9580000	0.8839067	0.8839067		7.73	20.00	AVRG
4-Chloroaniline	0.4260000	0.3705665	0.3705665		13.01	20.00	AVRG
Hexachlorobutadiene	0.2520000	0.2307975	0.2307975		8.41	20.00	AVRG
2-Methylnaphthalene	0.7790000	0.6795547	0.6795547		12.76	20.00	AVRG
Hexachlorocyclopentadiene	38.948162	50.000000	0.2584363	0.05	22.10		LINR
2-Chloronaphthalene	1.1060000	0.9803223	0.9803223		11.36	20.00	AVRG
2-Nitroaniline	0.5040000	0.4503767	0.4503767		10.64	20.00	AVRG
Dimethylphthalate	1.5790000	1.4319088	1.4319088		9.32	20.00	AVRG
Acenaphthylene	1.7340000	1.5082217	1.5082217		13.02	20.00	AVRG
2,6-Dinitrotoluene	0.3340000	0.3364195	0.3364195		-0.72	20.00	AVRG
3-Nitroaniline	0.3830000	0.3661703	0.3661703		4.39	20.00	AVRG
Acenaphthene	1.0420000	0.9546694	0.9546694		8.38	20.00	AVRG
Dibenzofuran	1.6110000	1.5130853	1.5130853		6.08	20.00	AVRG
2,4-Dinitrotoluene	0.4770000	0.4293013	0.4293013		10.0	20.00	AVRG
Diethylphthalate	1.6980000	1.5640178	1.5640178		7.89	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/14/06 Time: 2346

Lab File ID: U31979 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.8080000	0.7354114	0.7354114		8.98	20.00	AVRG
Fluorene	1.3180000	1.2272605	1.2272605		6.88	20.00	AVRG
4-Nitroaniline	0.3910000	0.3437244	0.3437244		12.09	20.00	AVRG
N-Nitrosodiphenylamine	0.5410000	0.4972332	0.4972332		8.09	20.00	AVRG
4-Bromophenyl-phenylether	0.2890000	0.2775808	0.2775808		3.95	20.00	AVRG
Hexachlorobenzene	0.3420000	0.3117293	0.3117293		8.85	20.00	AVRG
Phenanthrene	1.0970000	0.9658730	0.9658730		11.95	20.00	AVRG
Anthracene	1.0630000	0.9699692	0.9699692		8.75	20.00	AVRG
Carbazole	1.0430000	0.9660735	0.9660735		7.38	20.00	AVRG
Di-n-butylphthalate	1.6710000	1.5957320	1.5957320		4.50	20.00	AVRG
Fluoranthene	1.4780000	1.3449844	1.3449844		9.00	20.00	AVRG
Pyrene	1.2340000	1.2929800	1.2929800		-4.78	20.00	AVRG
Benzidine	42.860295	50.000000	0.3321077		14.28		2RDR
Butylbenzylphthalate	0.6840000	0.6570082	0.6570082		3.95	20.00	AVRG
3,3'-Dichlorobenzidine	61.429719	50.000000	0.5141227		-22.86		2RDR
Benzo(a)anthracene	52.321124	50.000000	1.1065481		-4.64		LINR
Chrysene	1.0420000	1.1093531	1.1093531		-6.46	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.8600000	0.8832007	0.8832007		-2.70	20.00	AVRG
Di-n-octylphthalate	1.6600000	1.5490561	1.5490561		6.68	20.00	AVRG
Benzo(b)fluoranthene	1.6040000	1.3744188	1.3744188		14.31	20.00	AVRG
Benzo(k)fluoranthene	48.980708	50.000000	1.1624731		2.04		2RDR
Benzo(a)pyrene	1.3290000	1.2022808	1.2022808		9.53	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.4780000	1.4383606	1.4383606		2.68	20.00	AVRG
Dibenz(a,h)anthracene	1.1910000	1.1862569	1.1862569		0.40	20.00	AVRG
Benzo(g,h,i)perylene	1.3240000	1.3378575	1.3378575		-1.05	20.00	AVRG
Pyridine	1.9240000	2.1224000	2.1224000		-10.31	20.00	AVRG
Aniline	2.3420000	2.0783529	2.0783529		11.26	20.00	AVRG
Benzyl Alcohol	1.0520000	1.0475352	1.0475352		0.42	20.00	AVRG
1,2-Diphenylhydrazine	1.0860000	0.9480656	0.9480656		12.70	20.00	AVRG
Diphenyl	1.4370000	1.3422503	1.3422503		6.59	20.00	AVRG
Diphenyl Ether	0.8320000	0.7798537	0.7798537		6.27	20.00	AVRG
Acetophenone	2.4070000	2.3530309	2.3530309	0.01	2.24	20.00	AVRG
1,4-Dioxane	0.8450000	0.9120010	0.9120010	0.01	-7.93	20.00	AVRG
N,N-Dimethylaniline	2.0100000	2.1159058	2.1159058	0.01	-5.27	20.00	AVRG
2,3,7,8-TCDD (Screen)	0.1770000	0.1876406	0.1876406	0.01	-6.01	20.00	AVRG
Benzaldehyde	1.2620000	1.2768882	1.2768882		-1.18	20.00	AVRG
Caprolactam	0.1570000	0.1336219	0.1336219		14.89	20.00	AVRG
Atrazine	48.225688	50.000000	0.2187361		3.55		2RDR
n-decane	1.4430000	1.4116227	1.4116227		2.17	20.00	AVRG
Coumarin	0.2980000	0.2542316	0.2542316		14.69	20.00	AVRG
n-Octadecane	0.5320000	0.4931928	0.4931928		7.29	20.00	AVRG
o-Tricresylphosphate	0.2680000	0.2838160	0.2838160		-5.90	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W345

Instrument ID: BNAMS4 Calibration Date: 09/14/06 Time: 2346

Lab File ID: U31979 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.5520000	0.5593179	0.5593179		-1.32	20.00	AVRG
1-Methylnaphthalene	0.6890000	0.6045952	0.6045952		12.25	20.00	AVRG
2-Fluorophenol (SUR)	1.6060000	1.7430672	1.7430672		-8.53	20.00	AVRG
Phenol-d5 (SUR)	2.1800000	2.2442582	2.2442582		-2.95	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.3070000	0.2884896	0.2884896		6.03	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.5380000	0.4972242	0.4972242		7.58	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.2990000	1.1912674	1.1912674		8.29	20.00	AVRG
Terphenyl-d14 (SUR)	0.8800000	0.8630721	0.8630721		1.92	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 7.398941040
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: SOIL Level: LOW Lab Job No: W345

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SB241	79	91	64	71	79	91	0
02	765441	63	73	76	70	63	68	0
03	765435	70	79	71	74	68	70	0
04	765435MS	67	74	75	71	64	81	0
05	765435MSD	69	81	71	72	68	76	0
06	765432	66	71	77	73	77	86	0
07	765433	65	71	77	65	71	86	0
08	765434	94	104	51	96	124D	131	0
09	765439	78	82	70	74	104	110	0
10	765440	11D	45	0D	104	116	136	0
11								
12								
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29								
30								

		QC LIMITS
S1	= 2-Fluorophenol	(38-135)
S2	= Phenol-d5	(40-137)
S3	= 2,4,6-Tribromophenol	(12-151)
S4	= Nitrobenzene-d5	(51-122)
S5	= 2-Fluorobiphenyl	(60-123)
S6	= Terphenyl-d14	(48-142)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8270C

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 765435

MS Sample from Lab Job No: W345

QA Batch: 4554

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	8000	0.00	5900	74	50-131
2-Chlorophenol	8000	0.00	5700	71	57-126
4-Chloro-3-methylphenol	8000	0.00	6800	85	68-130
4-Nitrophenol	8000	0.00	6600	82	48-137
Pentachlorophenol	8000	0.00	4600	57	0-147
1,4-Dichlorobenzene	4000	0.00	2200	55	50-100
N-Nitroso-di-n-propylami	4000	0.00	2900	72	60-115
1,2,4-Trichlorobenzene	4000	0.00	2700	68	60-112
Acenaphthene	4000	0.00	2700	68	66-114
2,4-Dinitrotoluene	4000	0.00	3200	80	64-121
Pyrene	4000	0.00	3100	78	38-179

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	8000	6000	75	2	40	50-131
2-Chlorophenol	8000	5600	70	2	40	57-126
4-Chloro-3-methylphenol	8000	6600	82	3	40	68-130
4-Nitrophenol	8000	6400	80	3	40	48-137
Pentachlorophenol	8000	4200	52	9	40	0-147
1,4-Dichlorobenzene	4000	2000	50	10	40	50-100
N-Nitroso-di-n-propylami	4000	3100	78	7	40	60-115
1,2,4-Trichlorobenzene	4000	2500	62	8	40	60-112
Acenaphthene	4000	2800	70	4	40	66-114
2,4-Dinitrotoluene	4000	3100	78	3	40	64-121
Pyrene	4000	2800	70	10	40	38-179

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U31778

Date Analyzed: 09/03/06

Instrument ID: BNAMS4

Time Analyzed: 1320

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	169238	7.41	681982	9.21	1259817	18.00
	UPPER LIMIT	338476	7.91	1363964	9.71	2519634	18.50
	LOWER LIMIT	84619	6.91	340991	8.71	629908	17.50
	LABORATORY SAMPLE NO.						
01	SB241	132731	7.41	583227	9.20	959580	17.98
02							
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21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U31778 Date Analyzed: 09/03/06

Instrument ID: BNAMS4 Time Analyzed: 1320

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	498961	11.77	970988	13.91	1067281	21.61
	UPPER LIMIT	997922	12.27	1941976	14.41	2134562	22.11
	LOWER LIMIT	249480	11.27	485494	13.41	533640	21.11
	LABORATORY SAMPLE NO.						
01	SB241	411375	11.75	766977	13.90	767625	21.57
02							
03							
04							
05							
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22							

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U31961 Date Analyzed: 09/14/06

Instrument ID: BNAMS4 Time Analyzed: 1151

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	80579	7.20	341980	8.98	590682	17.67
	UPPER LIMIT	161158	7.70	683960	9.48	1181364	18.17
	LOWER LIMIT	40290	6.70	170990	8.48	295341	17.17
	LABORATORY SAMPLE NO.						
01	765441	79004	7.19	337701	8.97	640543	17.65
02	765435	84641	7.19	375671	8.97	698147	17.65
03	765435MS	88630	7.19	352522	8.98	619808	17.67
04	765435MSD	88986	7.20	369822	8.98	651465	17.67
05							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U31961 Date Analyzed: 09/14/06

Instrument ID: BNAMS4 Time Analyzed: 1151

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	236989	11.54	476085	13.67	585184	21.06
	UPPER LIMIT	473978	12.04	952170	14.17	1170368	21.56
	LOWER LIMIT	118494	11.04	238042	13.17	292592	20.56
	LABORATORY SAMPLE NO.						
01	765441	254137	11.53	452436	13.66	565589	21.04
02	765435	275767	11.53	452669	13.66	575204	21.04
03	765435MS	258058	11.53	473986	13.67	573734	21.07
04	765435MSD	255430	11.53	504988	13.67	565414	21.06
05							
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07							
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22							

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U31979 Date Analyzed: 09/14/06

Instrument ID: BNAMS4 Time Analyzed: 2346

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	107049	7.19	476844	8.98	579832	17.67
	UPPER LIMIT	214098	7.69	953688	9.48	1159664	18.17
	LOWER LIMIT	53524	6.69	238422	8.48	289916	17.17
	LABORATORY SAMPLE NO.						
01	765432	163406	7.20	636422	8.98	806181	17.66
02	765433	138491	7.20	587079	8.98	723383	17.66
03	765434	155635	7.19	625766	8.98	647767	17.66
04	765439	156330	7.19	625049	8.98	685623	17.66
05	765440	165982	7.24	556753	9.00	819832	17.66
06							
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08							
09							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U31979 Date Analyzed: 09/14/06

Instrument ID: BNAMS4 Time Analyzed: 2346

		IS4 (ANT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	293612		11.53		530835		13.67		598557		21.06	
	UPPER LIMIT	587224		12.03		1061670		14.17		1197114		21.56	
	LOWER LIMIT	146806		11.03		265418		13.17		299278		20.56	
	LABORATORY SAMPLE NO.												
01	765432	403174		11.54		680764		13.67		623304		21.05	
02	765433	364348		11.53		606275		13.66		468630		21.06	
03	765434	337145		11.54		562165		13.67		425311		21.05	
04	765439	360902		11.53		611880		13.67		440516		21.05	
05	765440	417489		11.53		752780		13.66		553354		21.05	
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07													
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18													
19													
20													
21													
22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

GC Forms and Data

Method 8082 (PCBs) Results Summary

Client ID: **B1401-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765432**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/31/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052216.d
Rear File ID: qr052216.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 13

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	390	R
Aroclor-1221	ND	390	R
Aroclor-1232	ND	390	R
Aroclor-1242	ND	390	R
Aroclor-1248	3300	390	F
Aroclor-1254	ND	390	R
Aroclor-1260	ND	390	R
Aroclor-1262	ND	390	R
Aroclor-1268	ND	390	R

Client ID: **B1401-SS02**
Site: Sun Chemical SI

Lab Sample ID: **765433**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052145.d
Rear File ID: qr052145.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Client ID: **B1402-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765434**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/31/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052217.d
Rear File ID: qr052217.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 2.0
% Moisture: 7

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	140	R
Aroclor-1221	ND	140	R
Aroclor-1232	ND	140	R
Aroclor-1242	ND	140	R
Aroclor-1248	2000	140	R
Aroclor-1254	2300	140	F
Aroclor-1260	ND	140	R
Aroclor-1262	ND	140	R
Aroclor-1268	1100	140	F

Client ID: **B1402-SS02**
Site: Sun Chemical SI

Lab Sample ID: **765435**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052147.d
Rear File ID: qr052147.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Client ID: **B1403-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765439**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 09/02/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052271.d
Rear File ID: qr052271.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 10.0
% Moisture: 13

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	770	R
Aroclor-1221	ND	770	R
Aroclor-1232	ND	770	R
Aroclor-1242	ND	770	R
Aroclor-1248	14000	770	R
Aroclor-1254	ND	770	R
Aroclor-1260	ND	770	R
Aroclor-1262	ND	770	R
Aroclor-1268	ND	770	R

Client ID: **B1404-SS01**
Site: Sun Chemical SI

Lab Sample ID: **765440**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052149.d
Rear File ID: qr052149.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Client ID: **B1404-SS02**
Site: Sun Chemical SI

Lab Sample ID: **765441**
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052150.d
Rear File ID: qr052150.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

QA Summary

GC ORGANICS SURROGATE RECOVERY

Matrix: SOIL Level: LOW Lab Job No: W345

	LABORATORY SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TOT OUT
01	SP241	98	97	0
02	4326BS	99		0
03	765433	118		0
04	765435	104		0
05	765440	90		0
06	765441	96		0
07	765432	126	142	0
08	765434	2185*	2280*	2
09	765439	0D	0D	0
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

		ADVISORY QC LIMITS
S1	= Decachlorobiphenyl(sur	(50-159)

Column to be used to flag recovery values
* Values outside of advisory QC limits
D Surrogate diluted out
R Surrogate removed during H2SO4 cleanup procedure
** Not detected due to coeluting interference

GC BLANK SPIKE RECOVERY
METHOD 8082

QA Batch: 4326

Compound	SPIKE ADDED (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC.	QC. LIMITS REC.
Aroclor-1016	330	340	103	58-158
Aroclor-1260	330	340	103	66-150

Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 2 outside limits

GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8082

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 765230

MS Sample from Lab Job No: W321

QA Batch: 4326

Compound	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	360	0.00	340	94	58-158
Aroclor-1260	360	0.00	350	97	66-150

Compound	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	360	340	94	0	17	58-158
Aroclor-1260	360	340	94	3	17	66-150

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

GC ORGANICS METHOD BLANK SUMMARY

LAB SAMPLE NO.

SP241

Matrix: SOIL

Level: LOW

Instrument ID: PESTGC8

Date Analyzed: 08/29/06

Time Analyzed: 1544

Lab File ID: QR052129

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	4326BS	4326BS	qr052130.d	08/29/06
02	B1401-SS02	765433	qr052145.d	08/29/06
03	B1402-SS02	765435	qr052147.d	08/29/06
04	B1404-SS01	765440	qr052149.d	08/29/06
05	B1404-SS02	765441	qr052150.d	08/29/06
06	B1401-SS01	765432	qr052216.d	08/31/06
07	B1402-SS01	765434	qr052217.d	08/31/06
08	B1403-SS01	765439	qr052271.d	09/02/06
09				
10				
11				
12				
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29				
30				

COMMENTS:

Client ID: **SP241**
Site:

Lab Sample ID: **SP241**
Lab Job No: W345

Date Sampled: _____
Date Received: _____
Date Extracted: 08/29/06
Date Analyzed: 08/29/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf052129.d
Rear File ID: qr052129.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06b.b,
as of 09/08/2006 11:21)

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 08/29/06 to 08/29/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.426

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP241	qr052129.d	29-AUG-2006 15:44	10.427	0.001
4326BS	qr052130.d	29-AUG-2006 16:00	10.428	0.002

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06b.b,
as of 09/08/2006 11:21)

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Dates of Analysis: 08/29/06 to 08/29/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.199

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP241	qf052129.d	29-AUG-2006 15:44	11.195	0.004

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b,
as of 09/08/2006 11:21)

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 08/29/06 to 08/29/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.425

Lab Sample ID	Data File	Injection Time	RT	DLT RT
765433	qr052145.d	29-AUG-2006 19:46	10.427	0.002
765435	qr052147.d	29-AUG-2006 20:17	10.426	0.001
765440	qr052149.d	29-AUG-2006 20:48	10.425	0.000
765441	qr052150.d	29-AUG-2006 21:04	10.425	0.000

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06c.b,
as of 09/08/2006 11:21)

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 08/31/06 to 08/31/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.423

Lab Sample ID	Data File	Injection Time	RT	DLT RT
765432	qr052216.d	31-AUG-2006 01:28	10.420	0.003
765434	qr052217.d	31-AUG-2006 01:43	10.421	0.002

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06c.b,
as of 09/08/2006 11:21)

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Dates of Analysis: 08/31/06 to 08/31/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.204

Lab Sample ID	Data File	Injection Time	RT	DLT RT
765432	qf052216.d	31-AUG-2006 01:28	11.178	0.026
765434	qf052217.d	31-AUG-2006 01:43	11.181	0.023

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06b.b, as of 09/08/2006 11:21)

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 09/02/06 to 09/02/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.387

Lab Sample ID	Data File	Injection Time	RT	DLT RT
765439	qr052271.d	02-SEP-2006 00:31	0.000 D	

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06b.b,
as of 09/08/2006 11:21)

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Dates of Analysis: 09/02/06 to 09/02/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.199

Lab Sample ID	Data File	Injection Time	RT	DLT RT
765439	qf052271.d	02-SEP-2006 00:31	0.000 D	

D = Surrogate diluted out.

Analytical Sequence

GC ORGANICS ANALYTICAL SEQUENCE SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

	Lab Sample ID	Client Sample ID	Lab File ID	Sample Type	Inj. Date	Inj. Time
1	1660-100 A		qr051301.d	CALIB_1	08/10/06	1303
2	1660-500 A		qr051302.d	CALIB_2	08/10/06	1318
3	1660-1000 a		qr051303.d	CALIB_3	08/10/06	1334
4	1660-1500A		qr051304.d	CALIB_4	08/10/06	1348
5	1660-2500A		qr051305.d	CALIB_5	08/10/06	1404
6	1221-1000A		qr051306.d	CALIB_3	08/10/06	1418
7	1232-1000A		qr051307.d	CALIB_3	08/10/06	1434
8	1242-1000A		qr051308.d	CALIB_3	08/10/06	1449
9	1248-1000A		qr051309.d	CALIB_3	08/10/06	1504
10	1254-1000A		qr051310.d	CALIB_3	08/10/06	1518
11	1262-1000A		qr051311.d	CALIB_3	08/10/06	1534
12	1268-1000A		qr051312.d	CALIB_3	08/10/06	1618
13	1660-1000B		qr052119.d	CCALIB_3	08/29/06	1314
14	SP241		qr052129.d	BLANK	08/29/06	1544
15	4326BS		qr052130.d	BS	08/29/06	1600
16	1660-1000C		qr052135.d	CCALIB_3	08/29/06	1715
17	765433	B1401-SS02	qr052145.d	SAMPLE	08/29/06	1946
18	765435	B1402-SS02	qr052147.d	SAMPLE	08/29/06	2017
19	765440	B1404-SS01	qr052149.d	SAMPLE	08/29/06	2048
20	765441	B1404-SS02	qr052150.d	SAMPLE	08/29/06	2104
21	1660-1000D		qr052156.d	CCALIB_3	08/29/06	2234
22	1660-1000 C		qr052201.d	CCALIB_3	08/30/06	2022
23	765432	B1401-SS01	qr052216.d	SAMPLE	08/31/06	0128
24	765434	B1402-SS01	qr052217.d	SAMPLE	08/31/06	0143
25	1660-1000d		qr052225.d	CCALIB_3	08/31/06	0753

GC ORGANICS ANALYTICAL SEQUENCE SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

	Lab Sample ID	Client Sample ID	Lab File ID	Sample Type	Inj. Date	Inj. Time
1	1660-1000 a		qr052228.d	CALIB_3	08/31/06	1613
2	1660-100 a		qr052229.d	CALIB_1	08/31/06	1629
3	1660-500 a		qr052230.d	CALIB_2	08/31/06	1644
4	1660-1500 a		qr052231.d	CALIB_4	08/31/06	1659
5	1660-2500 a		qr052232.d	CALIB_5	08/31/06	1714
6	1221-1000 a		qr052233.d	CALIB_3	08/31/06	1730
7	1232-1000 a		qr052234.d	CALIB_3	08/31/06	1745
8	1242-1000 a		qr052235.d	CALIB_3	08/31/06	1800
9	1248-1000 a		qr052236.d	CALIB_3	08/31/06	1815
10	1254-1000 a		qr052237.d	CALIB_3	08/31/06	1831
11	1262-1000 a		qr052238.d	CALIB_3	08/31/06	1845
12	1268-1000 a		qr052239.d	CALIB_3	08/31/06	1901
13	1660-1000 B		qr052268.d	CCALIB_3	09/01/06	2233
14	765439	B1403-SS01	qr052271.d	SAMPLE	09/02/06	0031
15	1660-1000 C		qr052288.d	CCALIB_3	09/02/06	0454

Raw Data

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Calibration Files:

/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051301.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051302.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051303.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051304.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051305.d

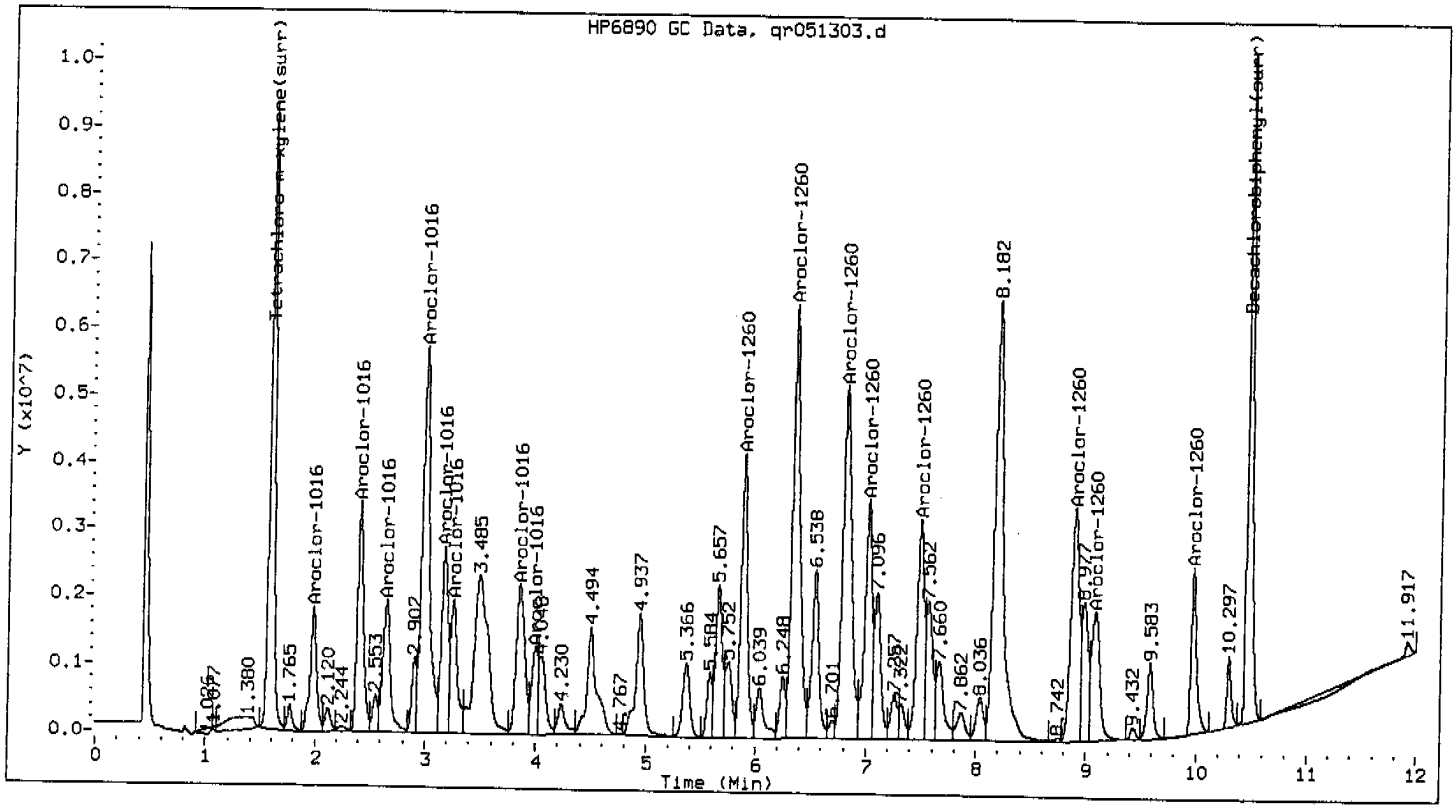
Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	a1	a2	%RSD or R^2
Aroclor-1016	1	8889.66	7893.31	7539.06	5711.33	6041.08		7214.89		18.34677
	2	15268.50	13807.44	13358.79	9998.20	10850.61		12656.71		17.20532
	3	9464.72	9100.85	9388.59	6484.40	7724.93		8432.70		15.37280
	4	33171.60	29016.64	28639.30	21535.92	23816.22		27235.94		16.88118
	5	12912.85	11623.92	11389.34	8512.39	9350.45		10757.79		16.63869
	6	7087.78	9339.83	8342.26	5430.65	7009.23		7441.95		19.89735
	7	11952.54	11502.77	11874.69	8820.94	9969.56		10824.10		12.71832
	8	5094.58	4381.38	4922.70	4206.17	4718.99		4664.76		7.91175
Aroclor-1260	1	22311.10	18247.12	17704.79	13668.76	14503.64		17287.08		19.86609
	2	37035.64	32357.51	31553.69	24419.51	26171.97		30307.66		16.72639
	3	30689.15	29027.94	29116.15	22654.50	24857.24		27269.00		12.34282
	4	16218.79	16026.12	15553.14	12034.03	12750.73		14516.56		13.57437
	5	15964.66	15480.37	14717.84	11376.60	12592.04		14026.30		14.00163
	6	17204.48	16656.25	17134.06	13364.66	15117.65		15895.42		10.35477
	7	9716.78	10345.18	10779.67	8266.67	9502.15		9722.09		9.85692
	8	7498.85	8023.47	8423.83	6661.01	7675.66		7656.56		8.61334
Tetrachloro-m-xylene(surr)		283328.44	295104.22	287719.49	263697.77	259092.27		277788.44		5.62676
Decachlorobiphenyl(surr)		316065.44	284871.38	273830.05	247890.72	239252.74		272382.07		11.26156

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051303.d Page 1
Report Date 08/10/2006 16:34



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1660-1000 a
Lab ID : 1660-1000 a
Inj Date : 10-AUG-2006 13:34
Operator : 615
Cpnd Sublist: AR16600S

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	1.981	1.981	0.000	7539062	1044.931	1044.931
(2)		2.404	2.404	0.000	13358788	1055.471	1055.471
(3)		2.648	2.648	0.000	9388592	1113.356	1113.356
(4)		2.988	2.988	0.000	28639297	1051.526	1051.526
(5)		3.170	3.170	0.000	11389343	1058.707	1058.707
(6)		3.254	3.254	0.000	8342260	1120.977	1120.977
(7)		3.848	3.848	0.000	11874695	1097.061	1097.061
(8)		3.993	3.993	0.000	4922702	1055.295	1055.295
Average of peak concentrations:							1100.00
Aroclor-1260	(M)	5.885	5.885	0.000	17704788	1024.163	1024.163
(2)		6.340	6.340	0.000	31553691	1041.113	1041.113
(3)		6.805	6.805	0.000	29116146	1067.738	1067.738
(4)		7.012	7.012	0.000	15553144	1071.407	1071.407
(5)		7.484	7.484	0.000	14717844	1049.303	1049.303
(6)		8.889	8.889	0.000	17134063	1077.924	1077.924

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	9.079	9.079	0.000	10779668	1108.781	1108.781
(8)	9.971	9.971	0.000	8423825	1100.210	1100.210
Average of peak concentrations:						1100.00
Tetrachloro-m-xylene(surr)	1.576	1.576	0.000	28771949	103.575	103.575
Decachlorobiphenyl(surr)	10.462	10.462	0.000	27383005	100.532	100.532

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Calibration Files:

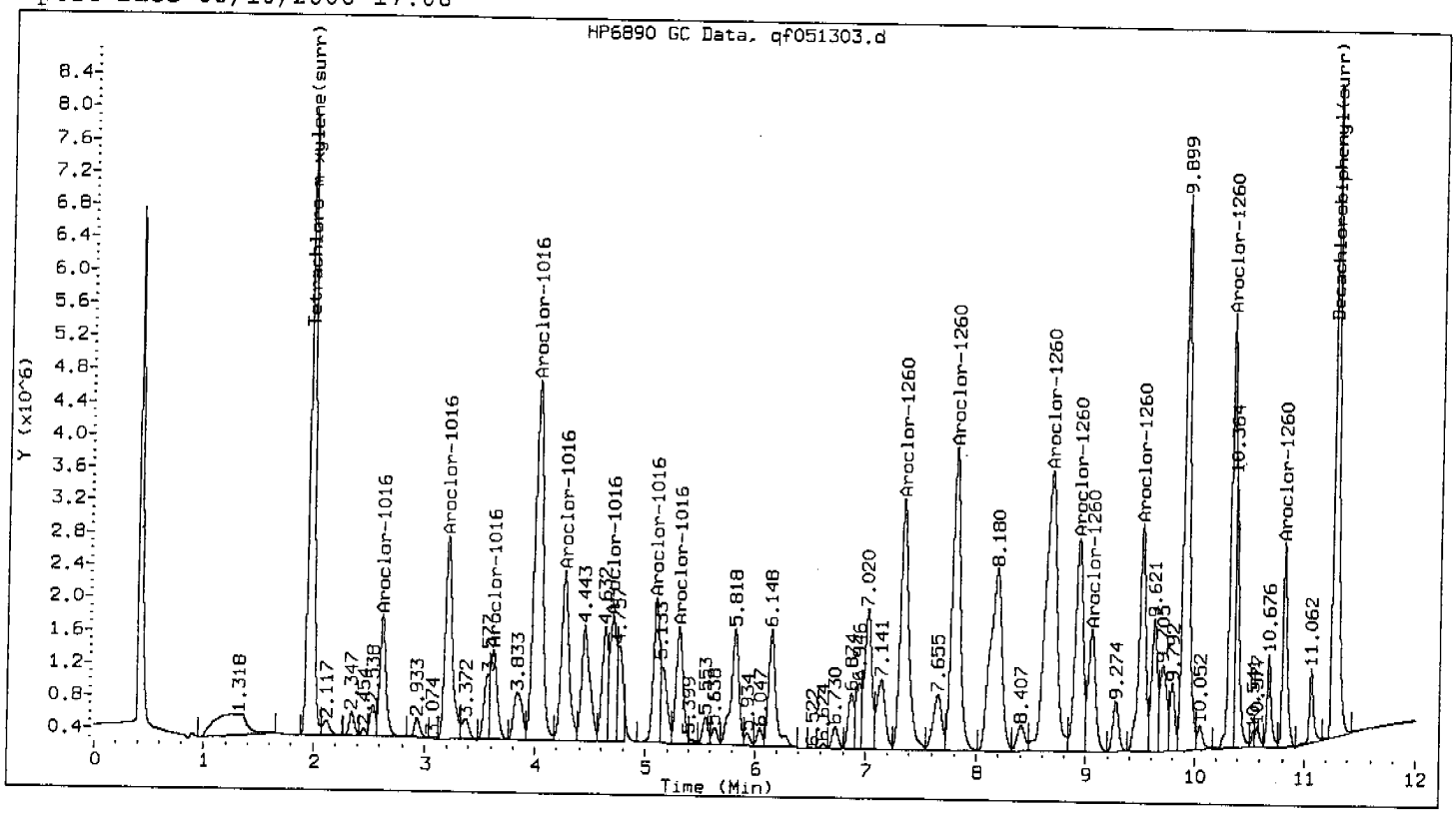
/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051301.d
/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051302.d
/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051303.d
/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051304.d
/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051305.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	a1	a2	%RSD or R^2
Aroclor-1016	1	6360.82	5731.05	5644.33	4453.05	4775.94		5393.04		14.29813
	2	12753.16	11997.09	11994.27	9180.28	9871.42		11159.24		13.82073
	3	5065.50	5018.66	4951.56	3988.88	4827.78		4770.48		9.34880
	4	24172.92	24047.55	23344.60	18170.21	19950.03		21937.06		12.39456
	5	9588.75	10274.10	10050.44	7959.92	8844.09		9343.46		10.13880
	6	6282.15	6024.68	6356.14	4625.39	5323.48		5722.37		12.86805
	7	8668.69	7342.38	6680.89	5289.30	6605.34		6917.32		17.78152
	8	6715.80	6626.41	6568.13	5269.82	6272.09		6290.45		9.44815
Aroclor-1260	1	17988.59	16277.92	16204.88	12671.41	13550.47		15338.65		14.19635
	2	21501.69	19026.77	19227.58	14910.21	16179.28		18169.11		14.44219
	3	23460.44	24563.44	25846.97	20157.26	22584.54		23322.53		9.21987
	4	12503.78	12715.76	13114.66	10161.90	11219.26		11943.07		10.23820
	5	6165.76	6525.01	6997.71	5450.00	6259.64		6279.63		8.99949
	6	12113.90	11371.50	11762.47	9148.79	10192.25		10917.78		11.22328
	7	16179.12	14061.49	15989.35	11281.32	12356.64		13973.58		15.51390
	8	6866.40	6532.22	6793.04	5183.56	5943.16		6263.68		11.24660
Tetrachloro-m-xylene(surr)		246290.44	237504.06	248438.70	227922.73	227584.40		237548.07		4.14048
Decachlorobiphenyl(surr)		257131.04	240335.48	238137.76	213750.77	209075.03		231686.02		8.62378

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1660-1000 a
Lab ID : 1660-1000 a
Inj Date : 10-AUG-2006 13:34
Operator : 615
Cpnd Sublist: AR16600S

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

8/10/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1016	(M)	2.620	2.620	0.000	5644334	1046.596	1046.596
(2)		3.202	3.202	0.000	11994267	1074.828	1074.828
(3)		3.613	3.613	0.000	4951556	1037.959	1037.959
(4)		4.014	4.014	0.000	23344603	1064.163	1064.163
(5)		4.262	4.262	0.000	10050438	1075.666	1075.666
(6)		4.702	4.702	0.000	6356141	1110.754	1110.754
(7)		5.093	5.093	0.000	6680887	965.820	965.820
(8)		5.306	5.306	0.000	6568130	1044.143	1044.143
Average of peak concentrations:							1000.00
Aroclor-1260	(M)	7.335	7.335	0.000	16204880	1056.473	1056.473
(2)		7.800	7.800	0.000	19227575	1058.257	1058.257
(3)		8.674	8.674	0.000	25846975	1108.241	1108.241
(4)		8.927	8.927	0.000	13114658	1098.098	1098.098
(5)		9.051	9.051	0.000	6997711	1114.352	1114.352
(6)		9.506	9.506	0.000	11762467	1077.368	1077.368

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)		10.329	10.329	0.000	15989346	1144.255	1144.255
(8)		10.808	10.808	0.000	6793044	1084.514	1084.514
Average of peak concentrations:							1100.00
Tetrachloro-m-xylene(surr)	(M)	1.963	1.963	0.000	24843870	104.585	104.585
Decachlorobiphenyl(surr)		11.263	11.263	0.000	23813776	102.785	102.785

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

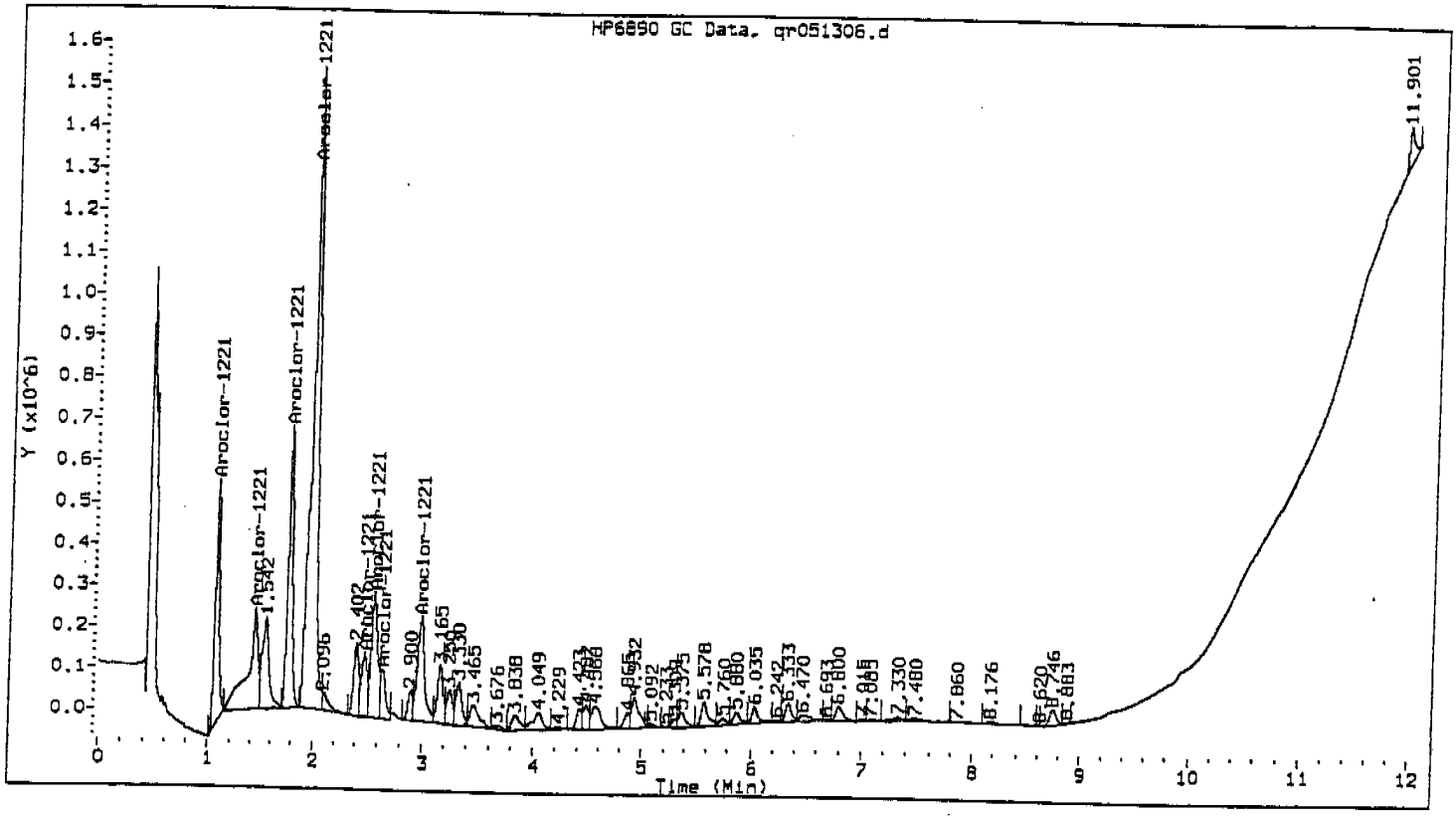
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051306.d

Compound		Midpoint Standard Response Factor
Aroclor-1221		1575.53
	2	1611.65
	3	2016.34
	4	6324.12
	5	520.73
	6	1224.54
	7	385.36
	8	1169.83

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1221-1000A
Lab ID : 1221-1000A
Inj Date : 10-AUG-2006 14:18
Operator : 615
Cpnd Sublist: AR12210

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.065	1.065	0.000	1575532	1000.000	1000.000
(2)		1.435	1.435	0.000	1611653	1000.000	1000.000
(3)		1.765	1.765	0.000	2016338	1000.000	1000.000
(4)		1.977	1.977	0.000	6324124	1000.000	1000.000
(5)		2.477	2.477	0.000	520725	1000.000	1000.000
(6)		2.558	2.558	0.000	1224535	1000.000	1000.000
(7)		2.640	2.640	0.000	385358	1000.000	1000.000
(8)		2.985	2.985	0.000	1169832	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

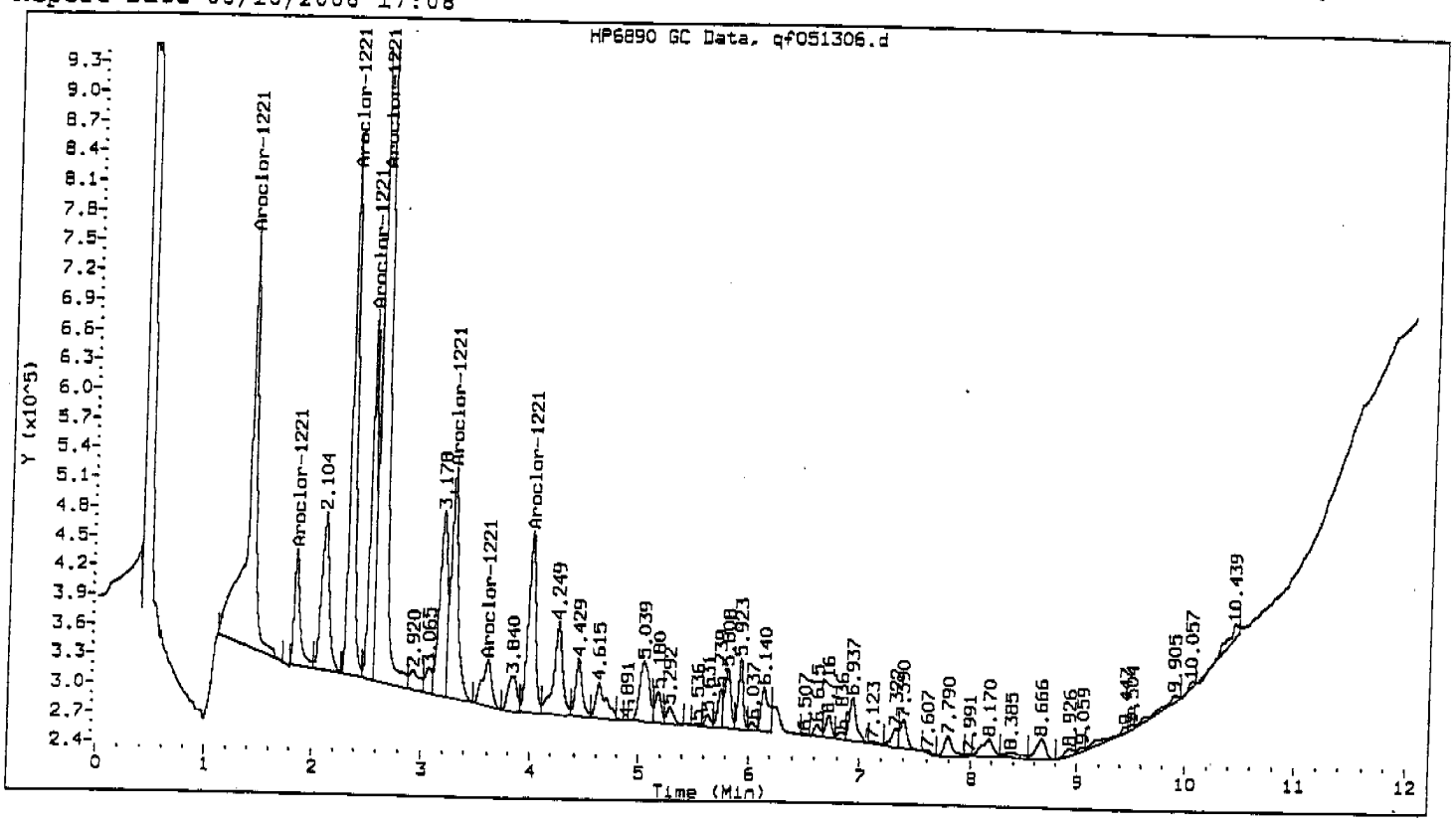
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051306.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2345.88
2	455.26
3	1834.77
4	1152.39
5	4839.38
6	1113.74
7	284.00
8	892.84

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1221-1000A
Lab ID : 1221-1000A
Inj Date : 10-AUG-2006 14:18
Operator : 615
Cpnd Sublist: AR12210

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.409	1.409	0.000	2345884	1000.000	1000.000
(2)		1.839	1.839	0.000	455263	1000.000	1000.000
(3)		2.336	2.336	0.000	1834770	1000.000	1000.000
(4)		2.526	2.526	0.000	1152391	1000.000	1000.000
(5)		2.610	2.610	0.000	4839379	1000.000	1000.000
(6)		3.273	3.273	0.000	1113738	1000.000	1000.000
(7)		3.599	3.599	0.000	284000	1000.000	1000.000
(8)		3.998	3.998	0.000	892840	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

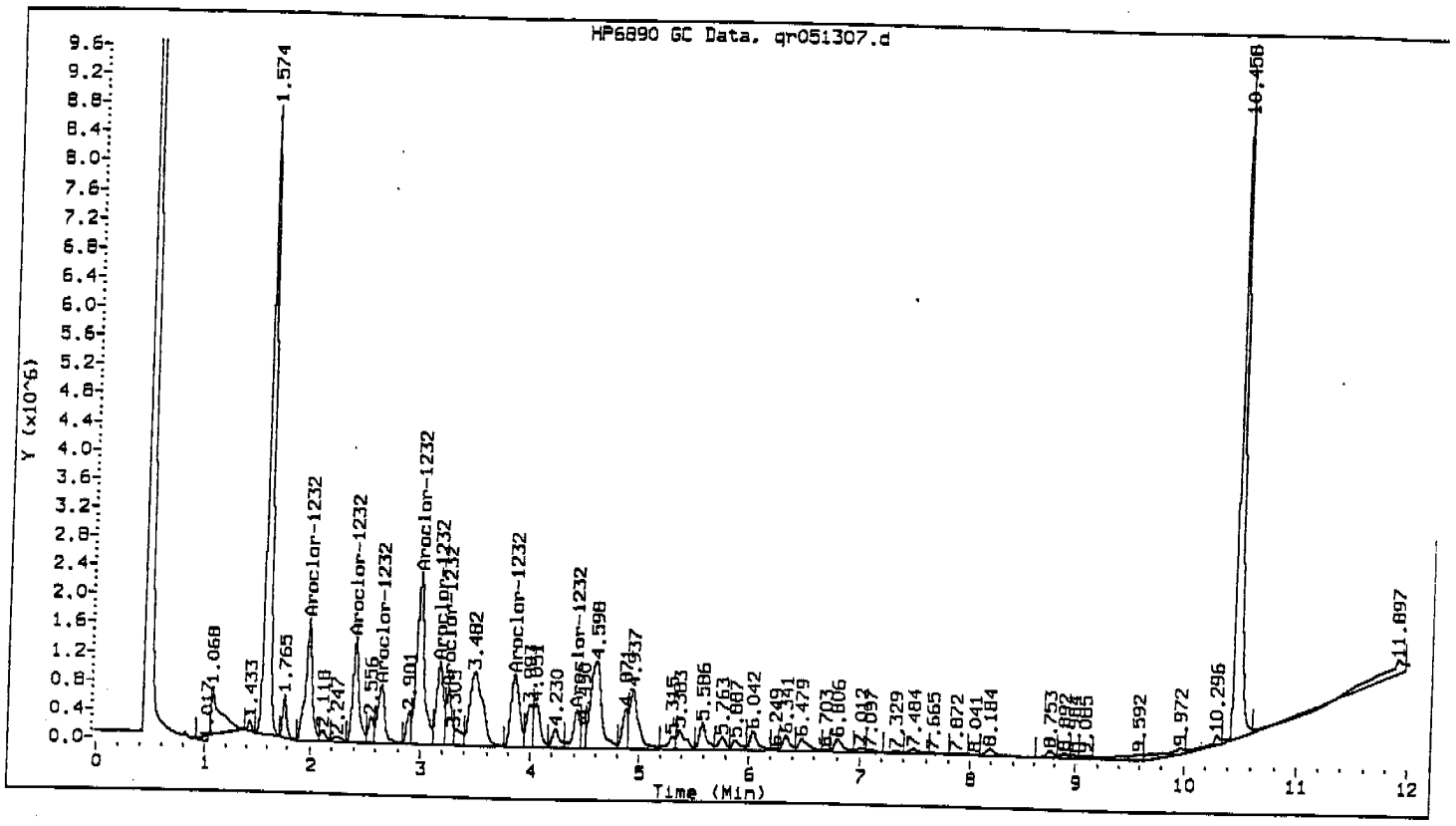
/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051307.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	7054.69
2	5751.91
3	3768.80
4	11636.70
5	4567.91
6	2870.63
7	5167.81
8	2288.39

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051307.d Page 1
Report Date 08/10/2006 16:34



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 10-AUG-2006 14:34
Operator : 615
Cpnd Sublist: AR12320

8/10/06

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	1.979	1.979	0.000	7054685	1000.000	1000.000
(2)		2.403	2.403	0.000	5751912	1000.000	1000.000
(3)		2.647	2.647	0.000	3768801	1000.000	1000.000
(4)		2.987	2.987	0.000	11636703	1000.000	1000.000
(5)		3.168	3.168	0.000	4567912	1000.000	1000.000
(6)		3.253	3.253	0.000	2870633	1000.000	1000.000
(7)		3.847	3.847	0.000	5167815	1000.000	1000.000
(8)		4.421	4.421	0.000	2288390	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

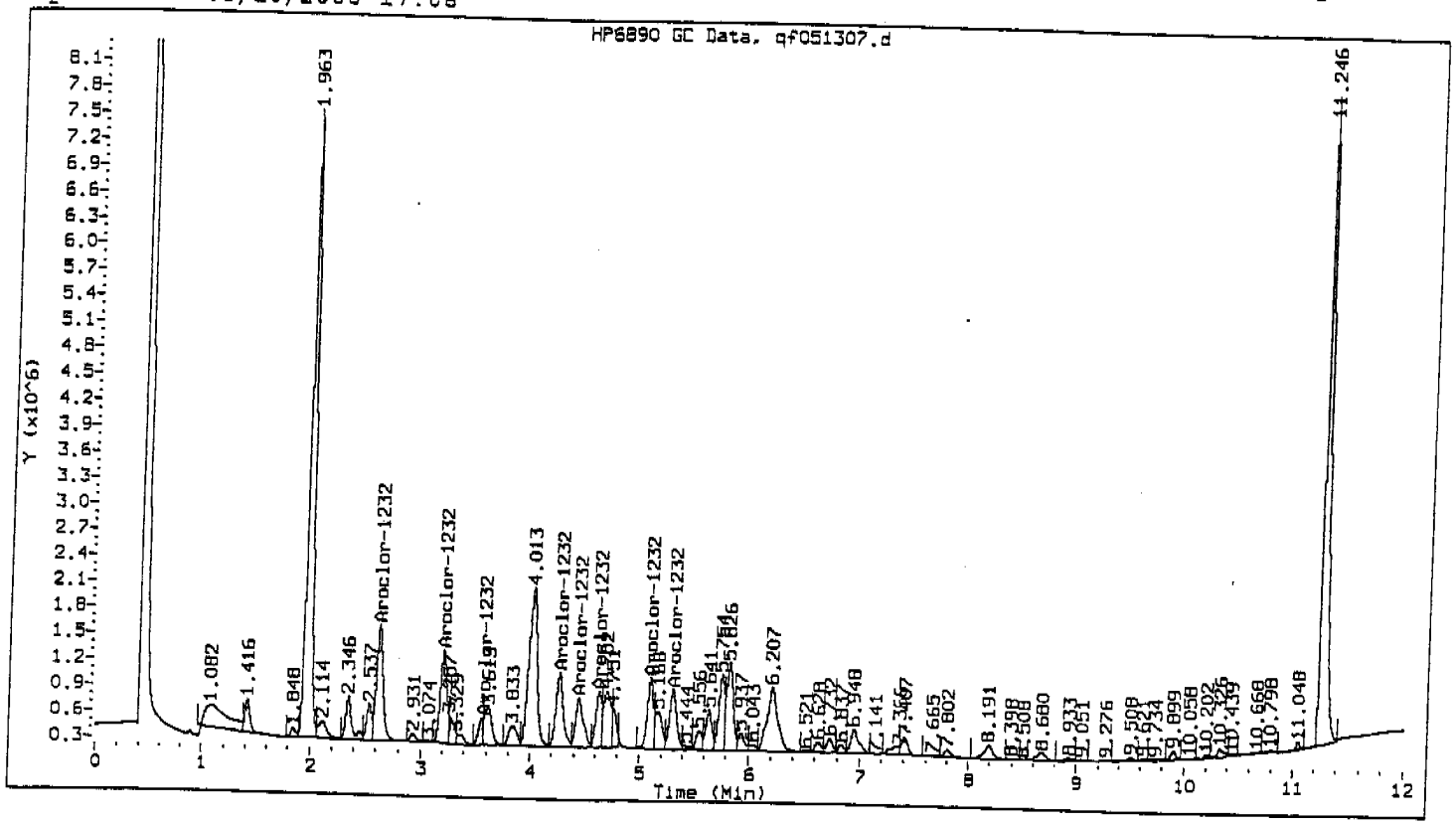
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051307.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	5249.39
2	4559.32
3	1000.55
4	4099.47
5	2929.73
6	2260.28
7	3286.42
8	3143.95

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 10-AUG-2006 14:34
Operator : 615
Cpnd Sublist: AR12320

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	2.620	2.620	0.000	5249385	1000.000	1000.000
(2)		3.198	3.198	0.000	4559320	1000.000	1000.000
(3)		3.577	3.577	0.000	1000549	1000.000	1000.000
(4)		4.261	4.261	0.000	4099467	1000.000	1000.000
(5)		4.443	4.443	0.000	2929732	1000.000	1000.000
(6)		4.631	4.631	0.000	2260277	1000.000	1000.000
(7)		5.094	5.094	0.000	3286416	1000.000	1000.000
(8)		5.307	5.307	0.000	3143949	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

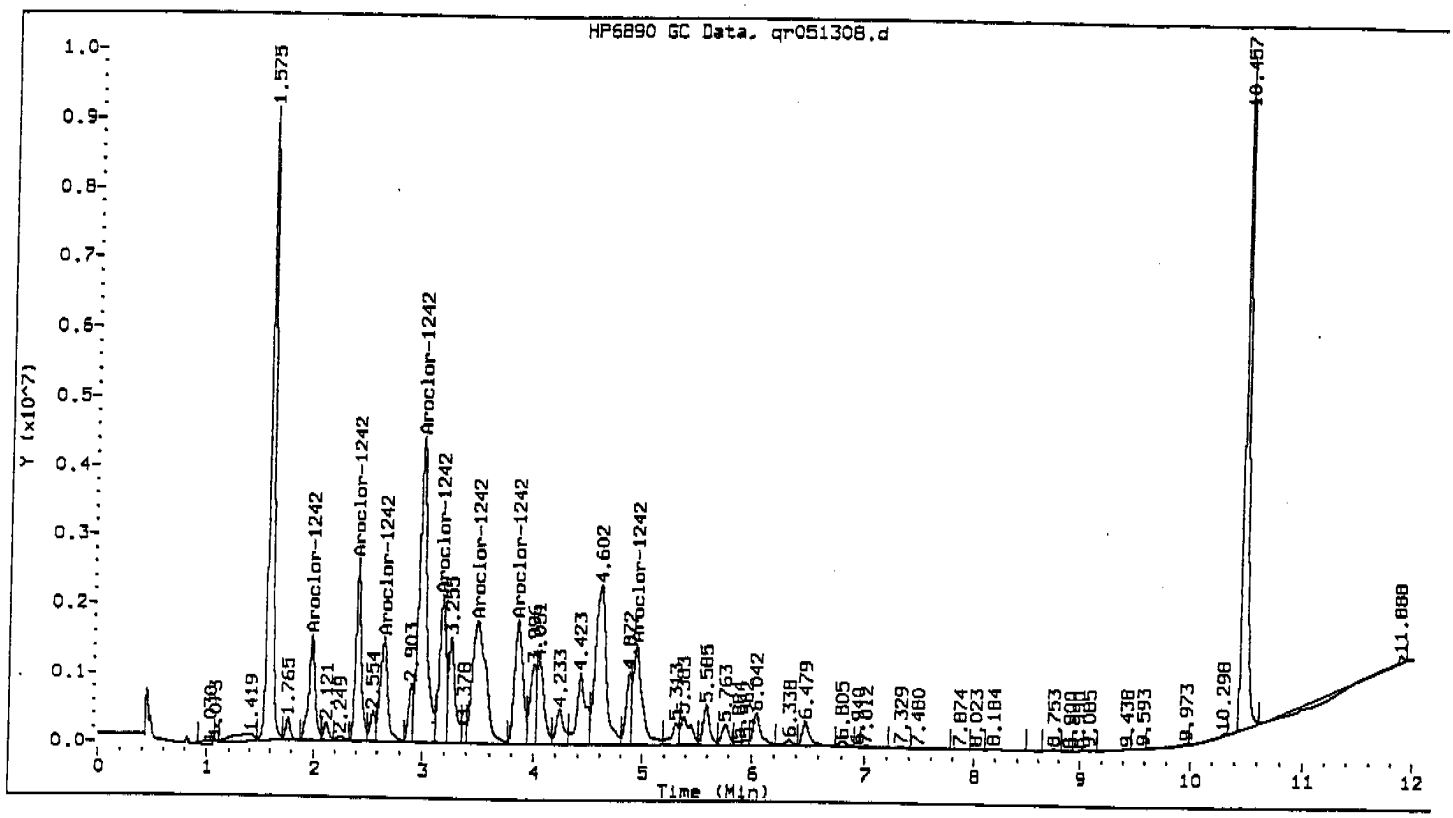
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051308.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	6014.22
2	10045.60
3	6952.85
4	21921.44
5	8695.42
6	14850.31
7	9513.51
8	8665.13

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 10-AUG-2006 14:49
Operator : 615
Cpnd Sublist: AR12420

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242	(M)	1.981	1.981	0.000	6014222	1000.000	1000.000
(2)		2.405	2.405	0.000	10045602	1000.000	1000.000
(3)		2.649	2.649	0.000	6952847	1000.000	1000.000
(4)		2.989	2.989	0.000	21921439	1000.000	1000.000
(5)		3.171	3.171	0.000	8695418	1000.000	1000.000
(6)		3.487	3.487	0.000	14850312	1000.000	1000.000
(7)		3.849	3.849	0.000	9513509	1000.000	1000.000
(8)		4.937	4.937	0.000	8665131	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

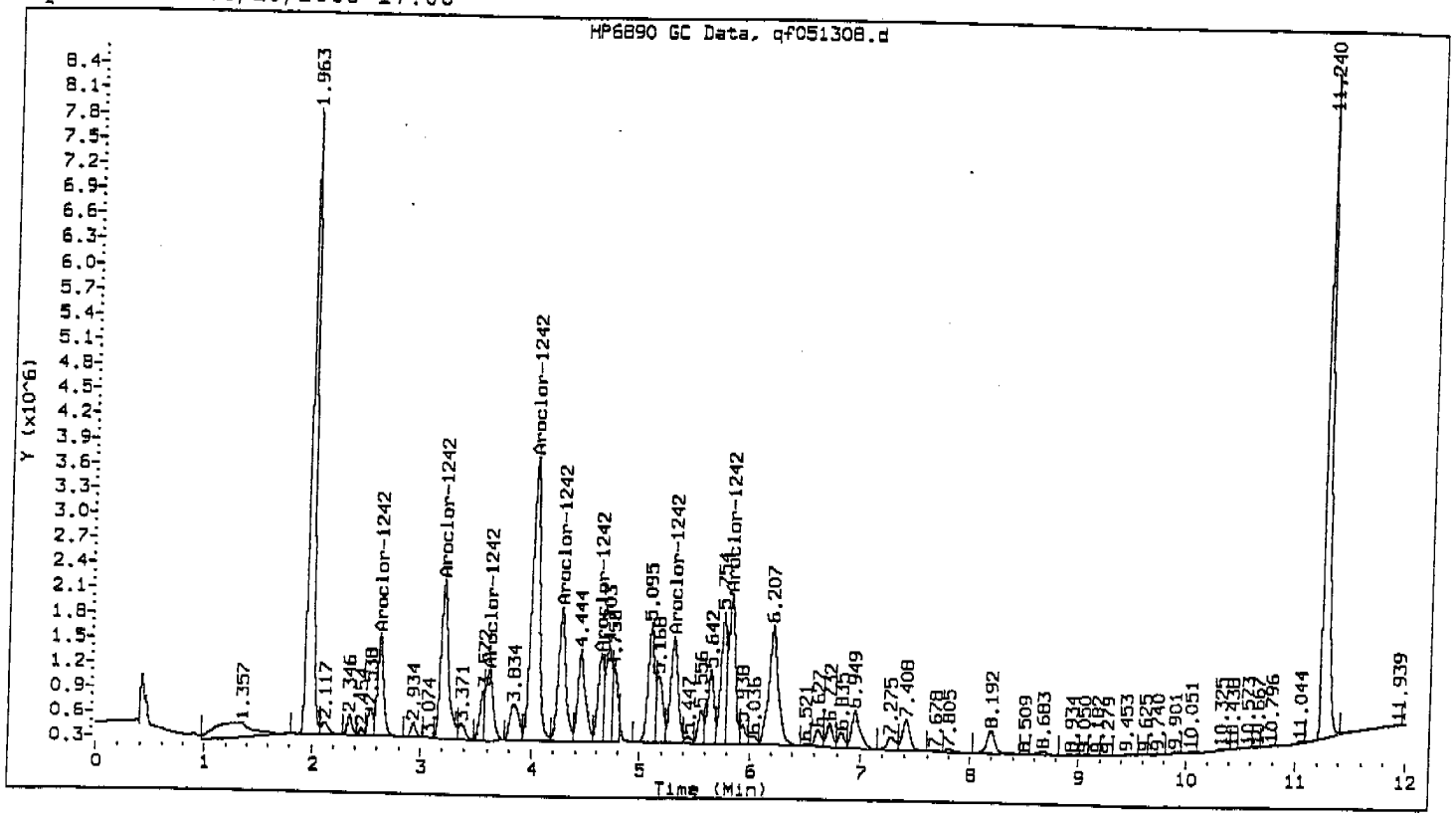
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051306.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	4726.82
2	9250.24
3	4149.45
4	18250.33
5	7839.02
6	3940.25
7	5962.50
8	7712.97

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 10-AUG-2006 14:49
Operator : 615
Cpnd Sublist: AR12420

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

8/10/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242	(M)	2.621	2.621	0.000	4726819	1000.000	1000.000
(2)		3.202	3.202	0.000	9250242	1000.000	1000.000
(3)		3.614	3.614	0.000	4149449	1000.000	1000.000
(4)		4.015	4.015	0.000	18250332	1000.000	1000.000
(5)		4.263	4.263	0.000	7839018	1000.000	1000.000
(6)		4.633	4.633	0.000	3940249	1000.000	1000.000
(7)		5.308	5.308	0.000	5962496	1000.000	1000.000
(8)		5.827	5.827	0.000	7712967	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

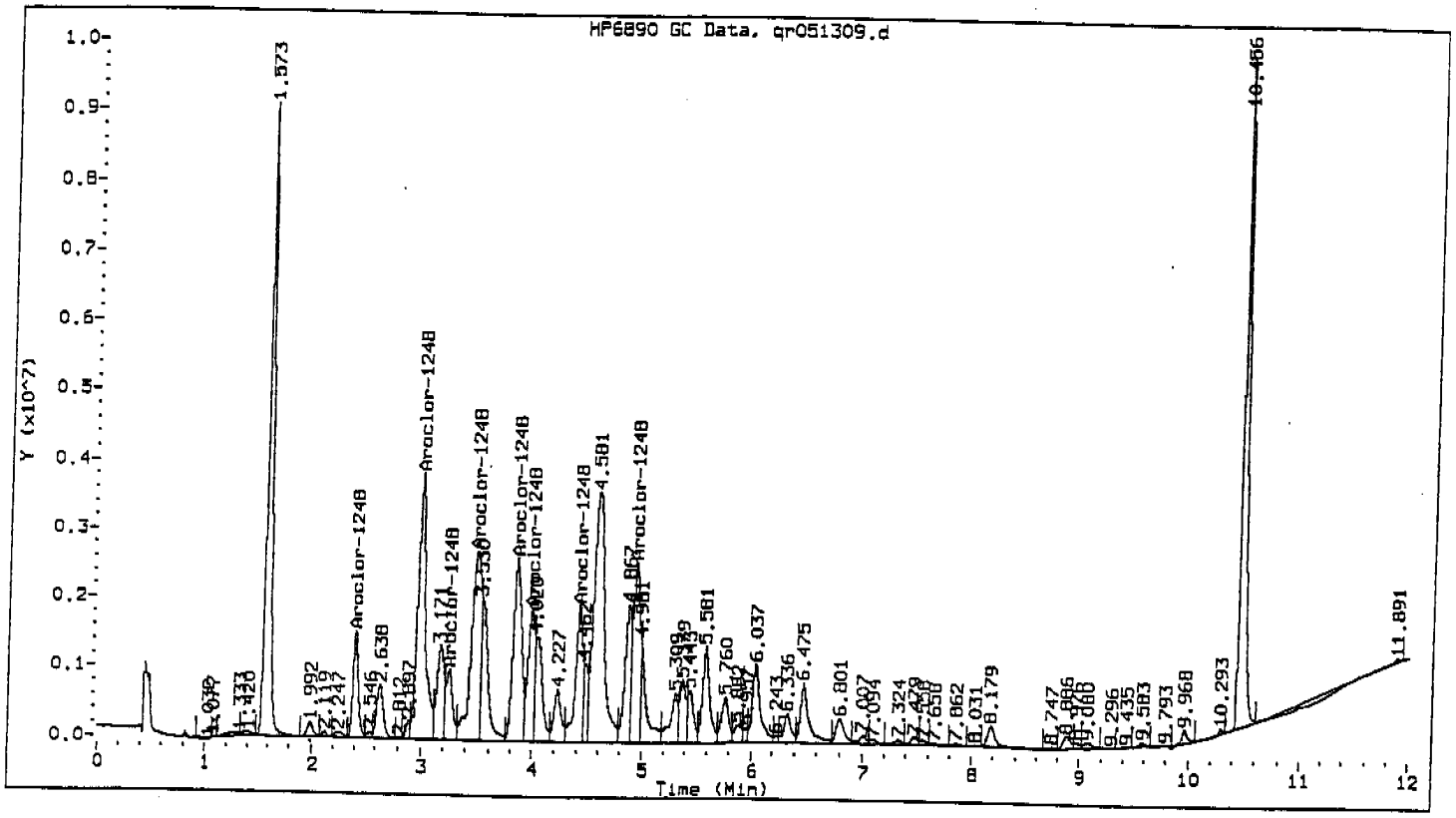
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051309.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	5635.83
2	19467.00
3	4293.23
4	16448.31
5	14302.92
6	7495.49
7	8810.29
8	11164.31

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 10-AUG-2006 15:04
Operator : 615
Cpnd Sublist: AR12480

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	2.400	2.400	0.000	5635834	1000.000	1000.000
(2)		2.986	2.986	0.000	19467003	1000.000	1000.000
(3)		3.250	3.250	0.000	4293228	1000.000	1000.000
(4)		3.480	3.480	0.000	16448309	1000.000	1000.000
(5)		3.844	3.844	0.000	14302920	1000.000	1000.000
(6)		3.988	3.988	0.000	7495494	1000.000	1000.000
(7)		4.417	4.417	0.000	8810291	1000.000	1000.000
(8)		4.932	4.932	0.000	11164309	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

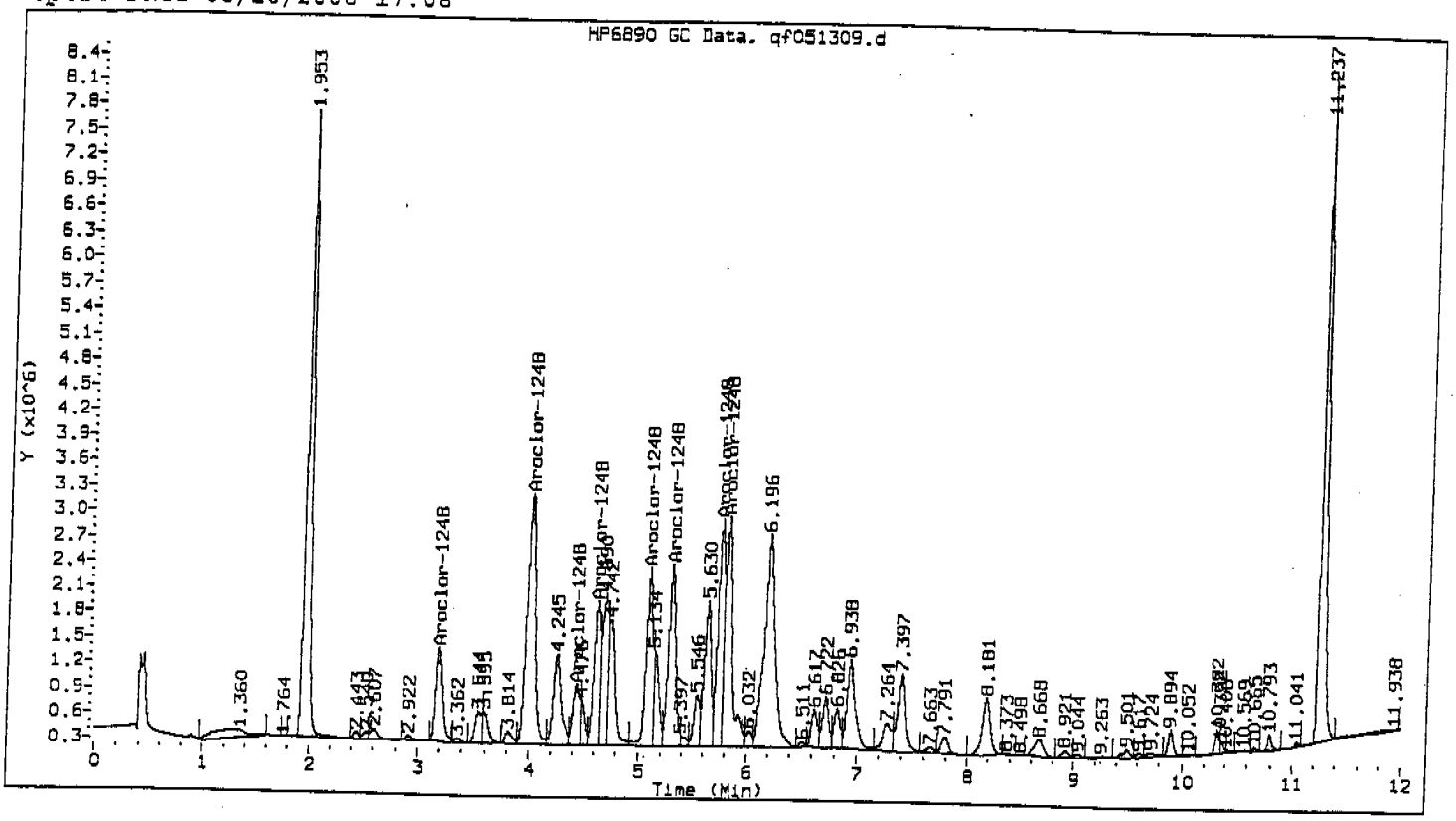
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051309.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	4827.34
2	15792.89
3	3125.89
4	6472.68
5	9203.04
6	10006.79
7	10006.73
8	13677.45

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 10-AUG-2006 15:04
Operator : 615
Cpnd Sublist: AR12480

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

8/10/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	3.187	3.187	0.000	4827344	1000.000	1000.000
(2)		4.000	4.000	0.000	15792892	1000.000	1000.000
(3)		4.431	4.431	0.000	3125891	1000.000	1000.000
(4)		4.619	4.619	0.000	6472684	1000.000	1000.000
(5)		5.082	5.082	0.000	9203043	1000.000	1000.000
(6)		5.294	5.294	0.000	10006791	1000.000	1000.000
(7)		5.742	5.742	0.000	10006732	1000.000	1000.000
(8)		5.814	5.814	0.000	13677450	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

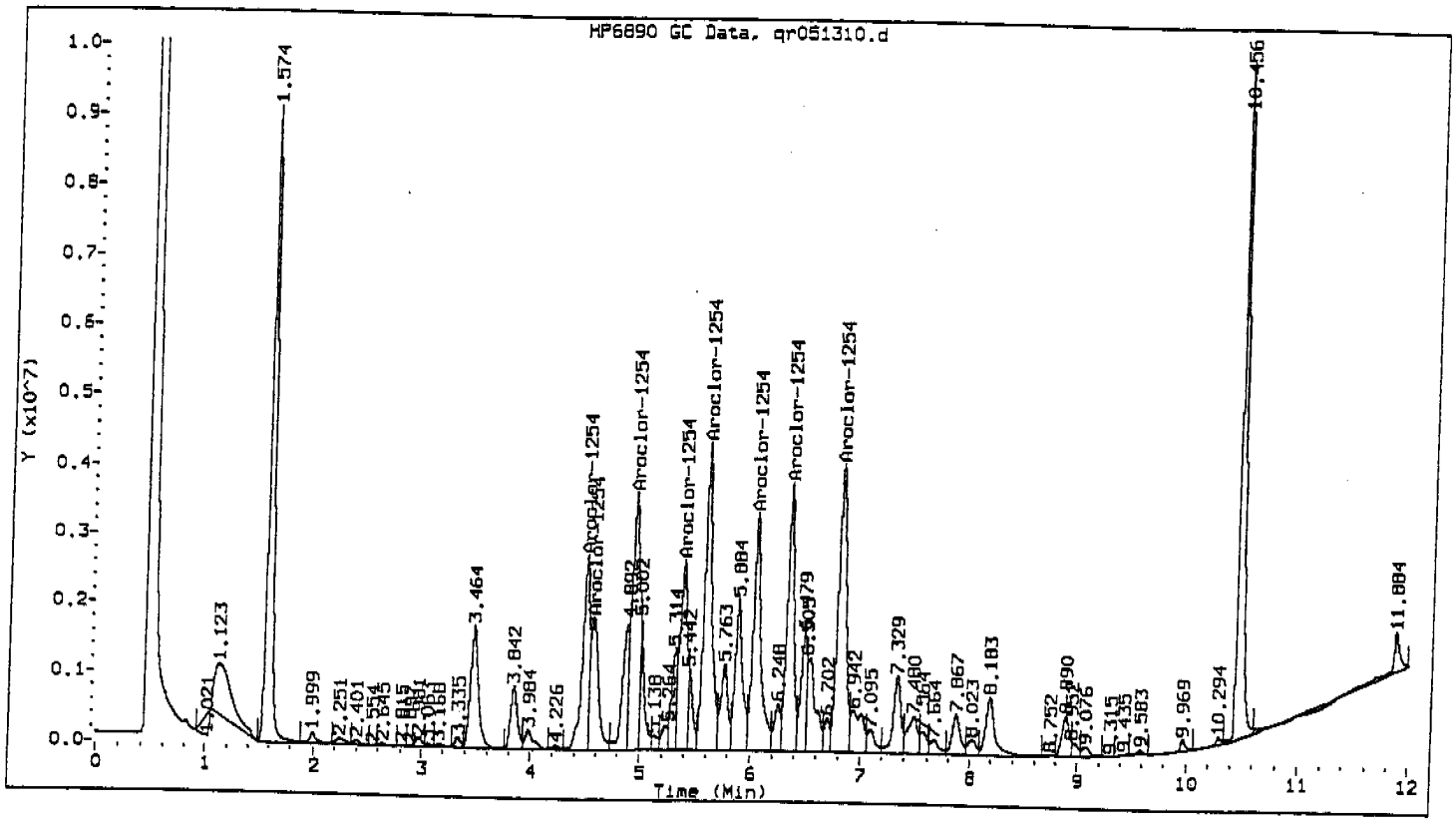
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051310.d

Compound	Midpoint Standard Response Factor
Aroclor-1254	12267.85
2	9674.48
3	18303.76
4	12698.69
5	21546.36
6	17612.53
7	16890.54
8	21257.44

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 10-AUG-2006 15:18
Operator : 615
Cpnd Sublist: AR12540

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1254	(M)	4.494	4.494	0.000	12267854	1000.000	1000.000
(2)		4.567	4.567	0.000	9674480	1000.000	1000.000
(3)		4.934	4.934	0.000	18303758	1000.000	1000.000
(4)		5.381	5.381	0.000	12698695	1000.000	1000.000
(5)		5.584	5.584	0.000	21546358	1000.000	1000.000
(6)		6.041	6.041	0.000	17612526	1000.000	1000.000
(7)		6.339	6.339	0.000	16890539	1000.000	1000.000
(8)		6.806	6.806	0.000	21257436	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

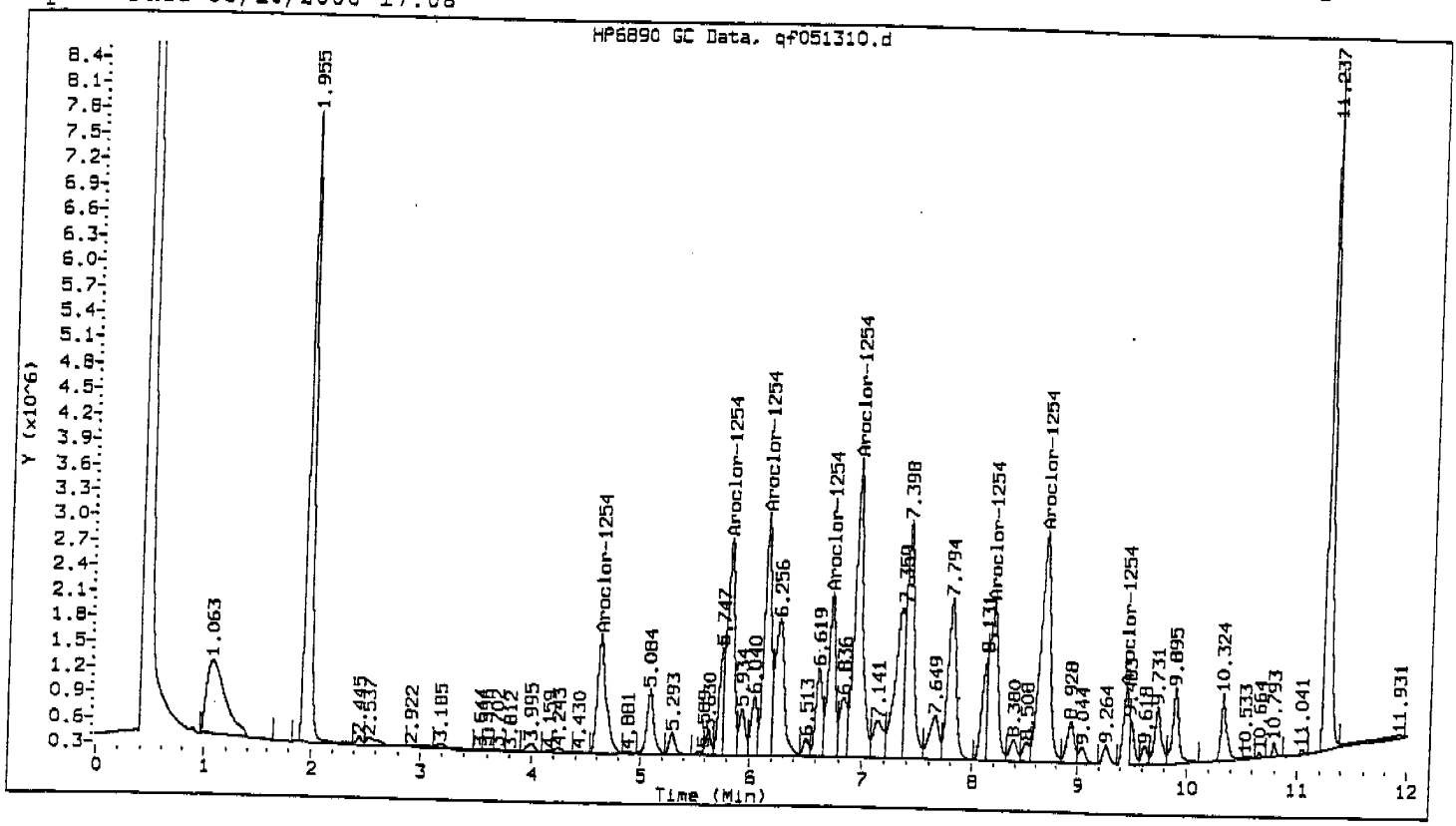
/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051310.d

Compound		Midpoint Standard Response Factor
Aroclor-1254		7662.08
	2	11547.21
	3	12164.32
	4	8167.01
	5	18196.15
	6	10076.35
	7	18647.57
	8	3275.35

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051310.d Page 1
Report Date 08/10/2006 17:08



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 10-AUG-2006 15:18
Operator : 615
Cpnd Sublist: AR12540

8/10/06

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	4.621	4.621	0.000	7662077	1000.000	1000.000
(2)		5.809	5.809	0.000	11547207	1000.000	1000.000
(3)		6.141	6.141	0.000	12164315	1000.000	1000.000
(4)		6.725	6.725	0.000	8167005	1000.000	1000.000
(5)		6.941	6.941	0.000	18196146	1000.000	1000.000
(6)		8.177	8.177	0.000	10076352	1000.000	1000.000
(7)		8.676	8.676	0.000	18647568	1000.000	1000.000
(8)		9.446	9.446	0.000	3275347	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

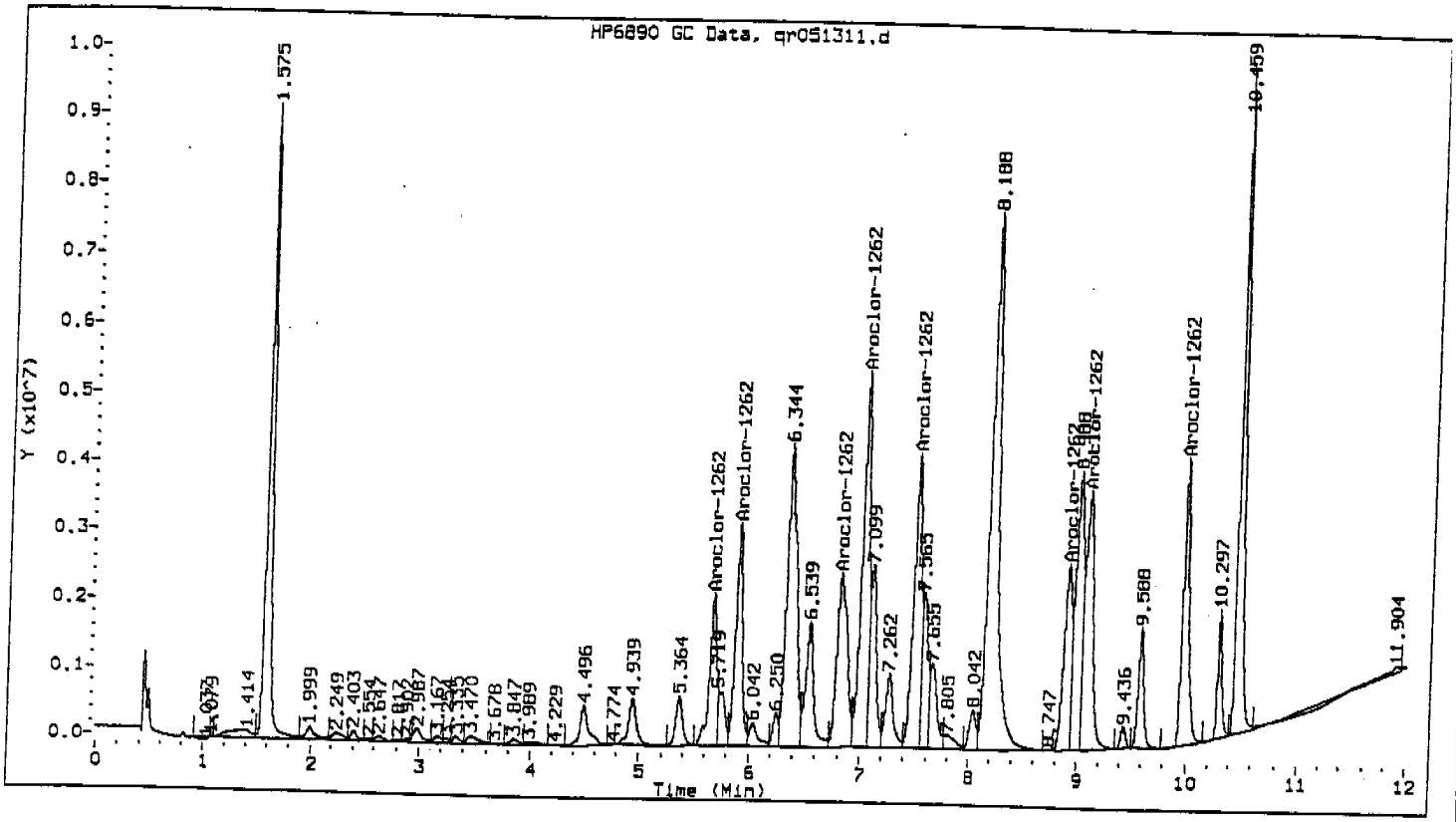
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051311.d

Compound		Midpoint Standard Response Factor
Aroclor-1262		9992.09
	2	13798.65
	3	16448.34
	4	23813.60
	5	19939.02
	6	12307.00
	7	21196.28
	8	15000.73

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 10-AUG-2006 15:34
Operator : 615
Cpnd Sublist: AR12620

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	(M)	5.661	5.661	0.000	9992091	1000.000	1000.000
(2)		5.888	5.888	0.000	13798647	1000.000	1000.000
(3)		6.808	6.808	0.000	16448339	1000.000	1000.000
(4)		7.017	7.017	0.000	23813605	1000.000	1000.000
(5)		7.489	7.489	0.000	19939024	1000.000	1000.000
(6)		8.894	8.894	0.000	12307005	1000.000	1000.000
(7)		9.083	9.083	0.000	21196285	1000.000	1000.000
(8)		9.974	9.974	0.000	15000729	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

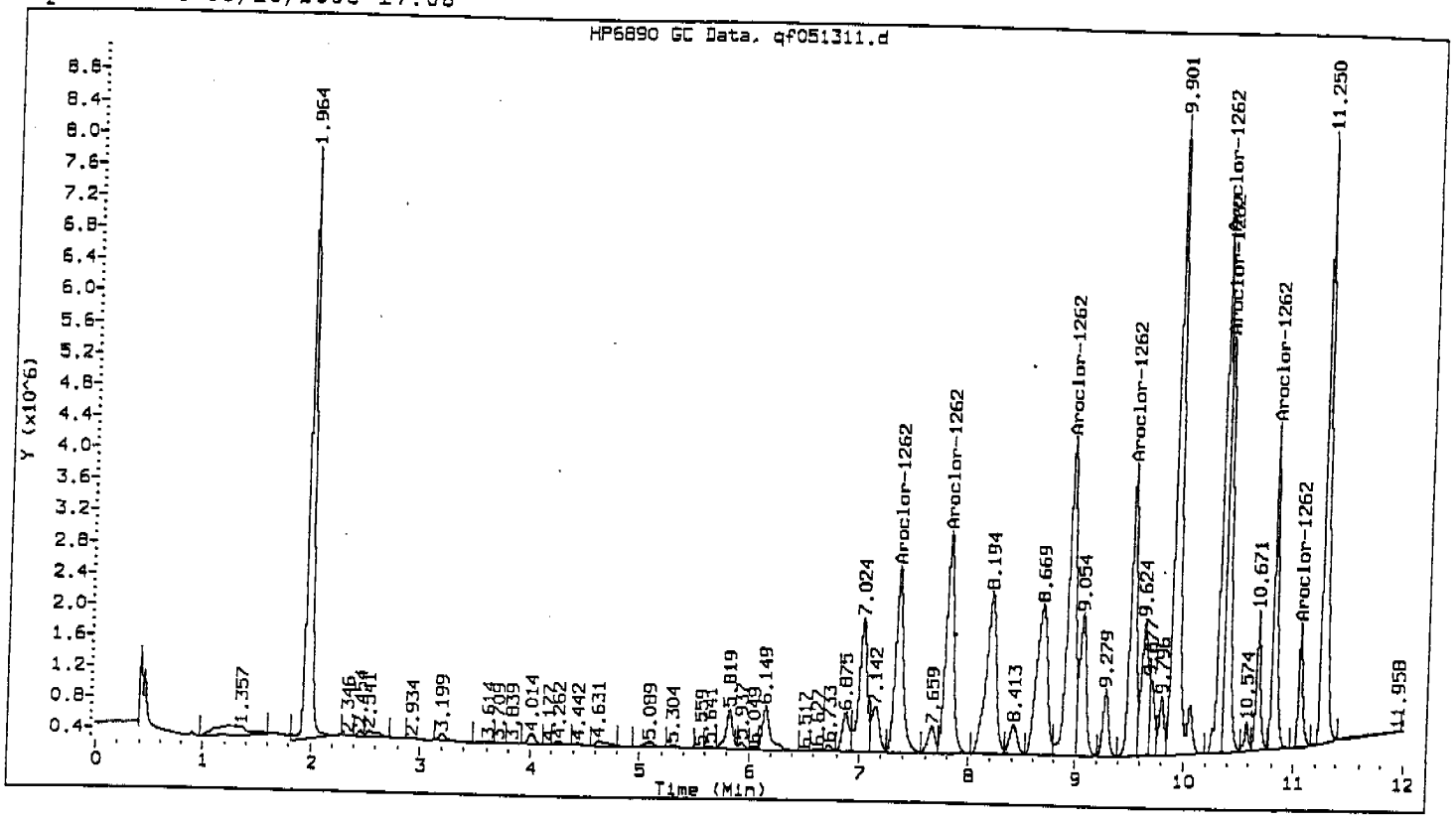
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051311.d

Compound		Midpoint Standard Response Factor
Aroclor-1262		12155.36
	2	14621.81
	3	21111.90
	4	14772.47
	5	17039.62
	6	18127.54
	7	11541.88
	8	3980.73

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 10-AUG-2006 15:34
Operator : 615
Cpnd Sublist: AR12620

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

8/10/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	(M)	7.339	7.339	0.000	12155356	1000.000	1000.000
(2)		7.804	7.804	0.000	14621813	1000.000	1000.000
(3)		8.932	8.932	0.000	21111904	1000.000	1000.000
(4)		9.511	9.511	0.000	14772465	1000.000	1000.000
(5)		10.326	10.326	0.000	17039616	1000.000	1000.000
(6)		10.367	10.367	0.000	18127539	1000.000	1000.000
(7)		10.802	10.802	0.000	11541876	1000.000	1000.000
(8)		11.053	11.053	0.000	3980730	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

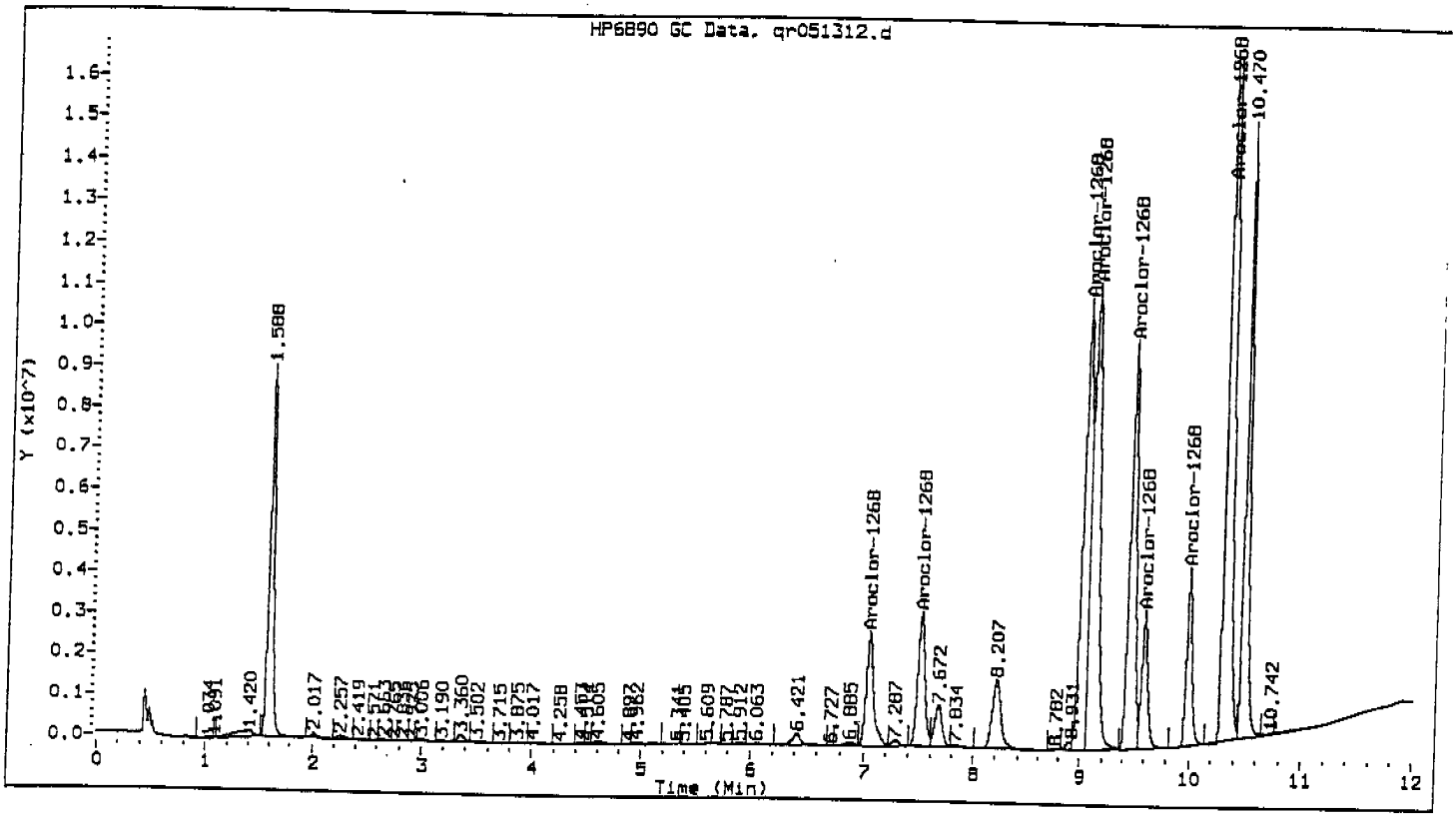
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051312.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	12993.54
2	15324.17
3	45974.57
4	58350.95
5	38138.52
6	12804.09
7	14277.44
8	83388.63

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/05Qr8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 10-AUG-2006 16:18
Operator : 615
Cpnd Sublist: AR12680

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1268	7.043	7.043	0.000	12993539	1000.000	1000.000
(2)	7.504	7.504	0.000	15324175	1000.000	1000.000
(3)	9.017	9.017	0.000	45974573	1000.000	1000.000
(4)	9.097	9.097	0.000	58350953	1000.000	1000.000
(5)	9.458	9.458	0.000	38138517	1000.000	1000.000
(6)	9.593	9.593	0.000	12804087	1000.000	1000.000
(7)	9.987	9.987	0.000	14277436	1000.000	1000.000
(8)	10.308	10.308	0.000	83388627	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

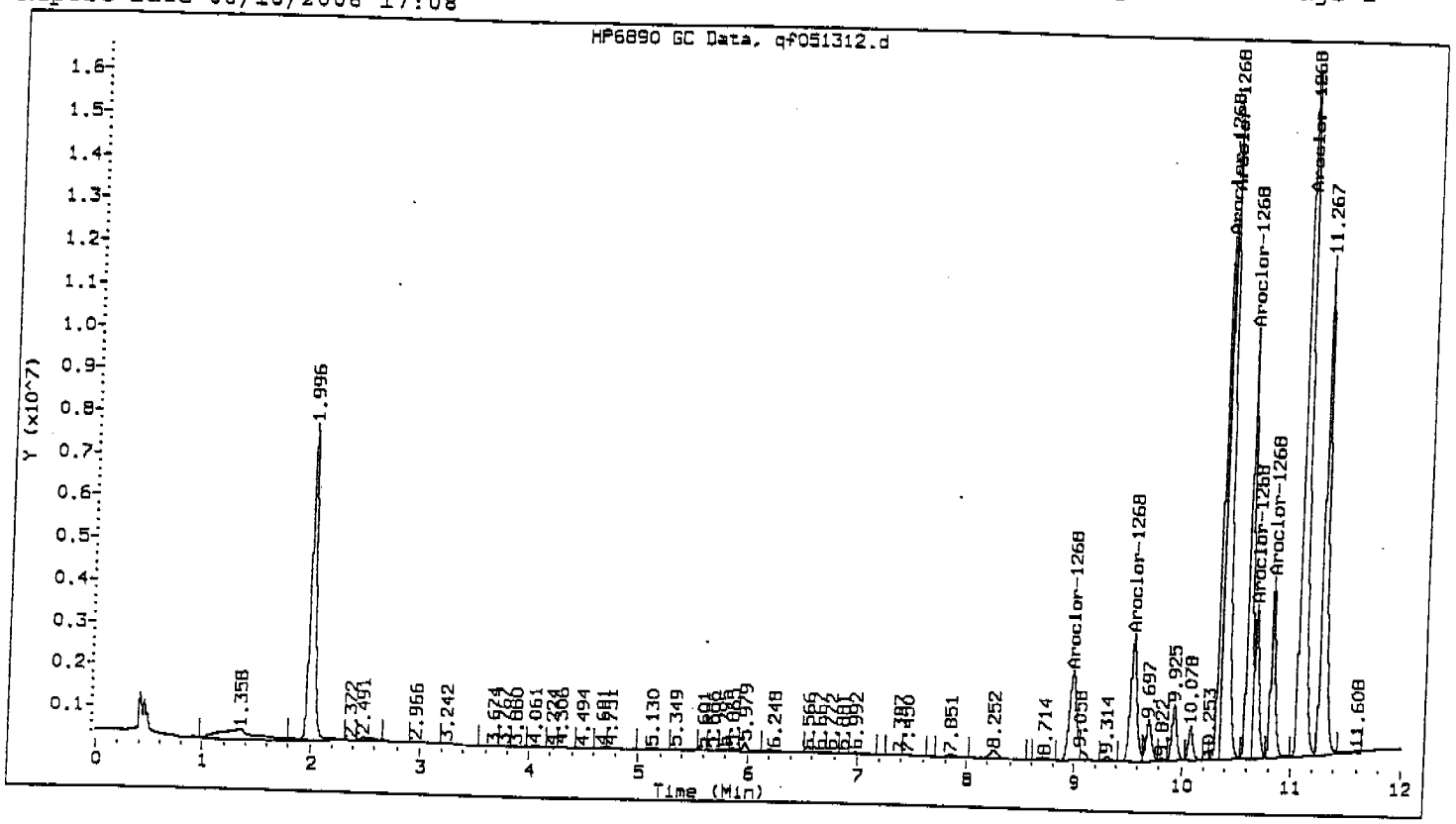
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051312.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	10171.56
2	12181.68
3	25721.54
4	48072.44
5	26080.77
6	11357.01
7	11444.60
8	70070.61

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/05Qf8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 10-AUG-2006 16:18
Operator : 615
Cpnd Sublist: AR12680

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	(M)	8.979	8.979	0.000	10171562	1000.000	1000.000
(2)		9.546	9.546	0.000	12181682	1000.000	1000.000
(3)		10.341	10.341	0.000	25721544	1000.000	1000.000
(4)		10.381	10.381	0.000	48072437	1000.000	1000.000
(5)		10.591	10.591	0.000	26080772	1000.000	1000.000
(6)		10.668	10.668	0.000	11357010	1000.000	1000.000
(7)		10.817	10.817	0.000	11444603	1000.000	1000.000
(8)		11.069	11.069	0.000	70070613	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06b.b/qr052119.d
Method: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06b.b/05Qr8082.m

Sample Information: 1660-1000B
Injection Date: 29-AUG-2006 13:14

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.953	1000	1130.93	13.09
Aroclor-1016	2	2.373	1000	1122.66	12.27
Aroclor-1016	3	2.615	1000	1098.46	9.85
Aroclor-1016	4	2.955	1000	1055.06	5.51
Aroclor-1016	5	3.136	1000	1142.39	14.24
Aroclor-1016	6	3.216	1000	1014.45	1.44
Aroclor-1016	7	3.801	1000	1104.19	10.42
Aroclor-1016	8	3.949	1000	1148.83	14.88
Aroclor-1260	1	5.838	1000	1086.41	8.64
Aroclor-1260	2	6.294	1000	1077.99	7.80
Aroclor-1260	3	6.755	1000	1061.85	6.18
Aroclor-1260	4	6.958	1000	1072.32	7.23
Aroclor-1260	5	7.423	1000	1002.45	0.24
Aroclor-1260	6	8.819	1000	1055.95	5.60
Aroclor-1260	7	9.014	1000	1247.18	24.72<-
Aroclor-1260	8	9.931	1000	1143.57	14.36

8/30/06

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.551	100	117.28	17.28<-
Decachlorobiphenyl(sur	10.426	100	103.75	3.75

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06b.b/qr052119.d
Injection Date: 29-AUG-2006 13:14

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.981	(1.911 - 2.051)	1.953	
	2.404	(2.334 - 2.474)	2.373	
	2.648	(2.578 - 2.718)	2.615	
	2.988	(2.918 - 3.058)	2.955	
	3.170	(3.100 - 3.240)	3.136	
	3.254	(3.184 - 3.324)	3.216	
	3.848	(3.778 - 3.918)	3.801	
	3.993	(3.923 - 4.063)	3.949	
Aroclor-1260	5.885	(5.815 - 5.955)	5.838	
	6.340	(6.270 - 6.410)	6.294	
	6.805	(6.735 - 6.875)	6.755	
	7.012	(6.942 - 7.082)	6.958	
	7.484	(7.414 - 7.554)	7.423	
	8.889	(8.819 - 8.959)	8.819	OUT!
	9.079	(9.009 - 9.149)	9.014	
	9.971	(9.901 - 10.041)	9.931	
Tetrachloro-m-xylene(surr)	1.576	(1.526 - 1.626)	1.551	
Decachlorobiphenyl(surr)	10.462	(10.362 - 10.562)	10.426	

8/29/06

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06b.b/qf052119.d
Method: /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06b.b/05Qf8082.m

Sample Information: 1660-1000B
Injection Date: 29-AUG-2006 13:14

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.	
Aroclor-1016	1	2.591	1000	1142.46	14.25	
Aroclor-1016	2	3.168	1000	1099.83	9.98	
Aroclor-1016	3	3.569	1000	1127.31	12.73	
Aroclor-1016	4	3.972	1000	1098.64	9.86	
Aroclor-1016	5	4.219	1000	1120.25	12.03	
Aroclor-1016	6	4.659	1000	1126.05	12.61	
Aroclor-1016	7	5.049	1000	1080.93	8.09	
Aroclor-1016	8	5.262	1000	1092.58	9.26	
Aroclor-1260	1	7.278	1000	1063.06	6.31	
Aroclor-1260	2	7.739	1000	1080.79	8.08	
Aroclor-1260	3	8.601	1000	1137.47	13.75	
Aroclor-1260	4	8.860	1000	1188.96	18.90<-	
Aroclor-1260	5	8.988	1000	1205.05	20.50<-	
Aroclor-1260	6	9.457	1000	1095.59	9.56	
Aroclor-1260	7	10.293	1000	1119.95	12.00	
Aroclor-1260	8	10.764	1000	1045.29	4.53	

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.939	100	106.49	6.49
Decachlorobiphenyl(sur	11.199	100	102.80	2.80

GC ORGANICS RETENTION TIME CHECK

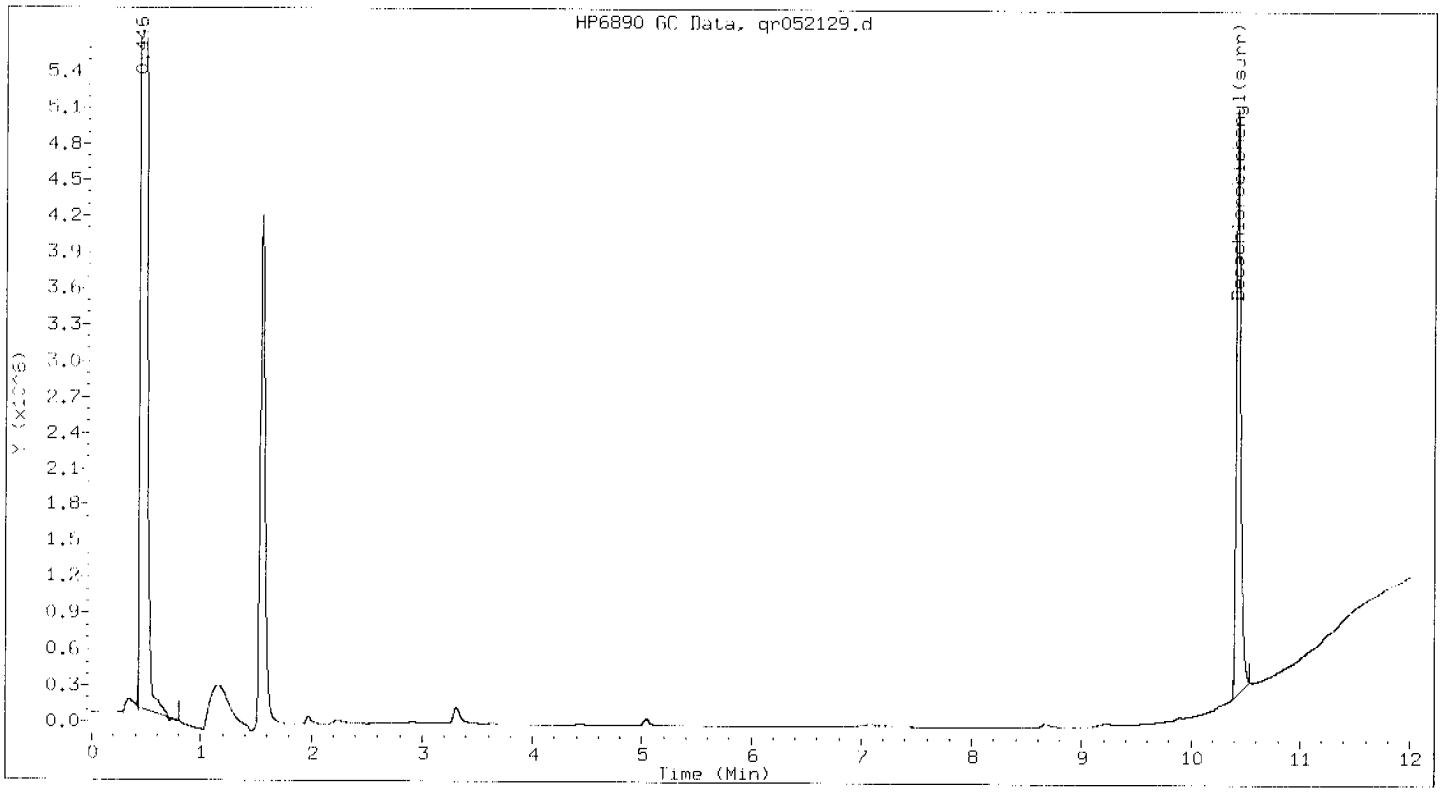
Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06b.b/qf052119.d
Injection Date: 29-AUG-2006 13:14

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.620	(2.550 - 2.690)	2.591	
	3.202	(3.132 - 3.272)	3.168	
	3.613	(3.543 - 3.683)	3.569	
	4.014	(3.944 - 4.084)	3.972	
	4.262	(4.192 - 4.332)	4.219	
	4.702	(4.632 - 4.772)	4.659	
	5.093	(5.023 - 5.163)	5.049	
	5.306	(5.236 - 5.376)	5.262	
Aroclor-1260	7.335	(7.265 - 7.405)	7.278	
	7.800	(7.730 - 7.870)	7.739	
	8.674	(8.604 - 8.744)	8.601	OUT!
	8.927	(8.857 - 8.997)	8.860	
	9.051	(8.981 - 9.121)	8.988	
	9.506	(9.436 - 9.576)	9.457	
	10.329	(10.259 - 10.399)	10.293	
	10.808	(10.738 - 10.878)	10.764	
Tetrachloro-m-xylene(surr)	1.963	(1.913 - 2.013)	1.939	
Decachlorobiphenyl(surr)	11.263	(11.163 - 11.363)	11.199	

Aroclor



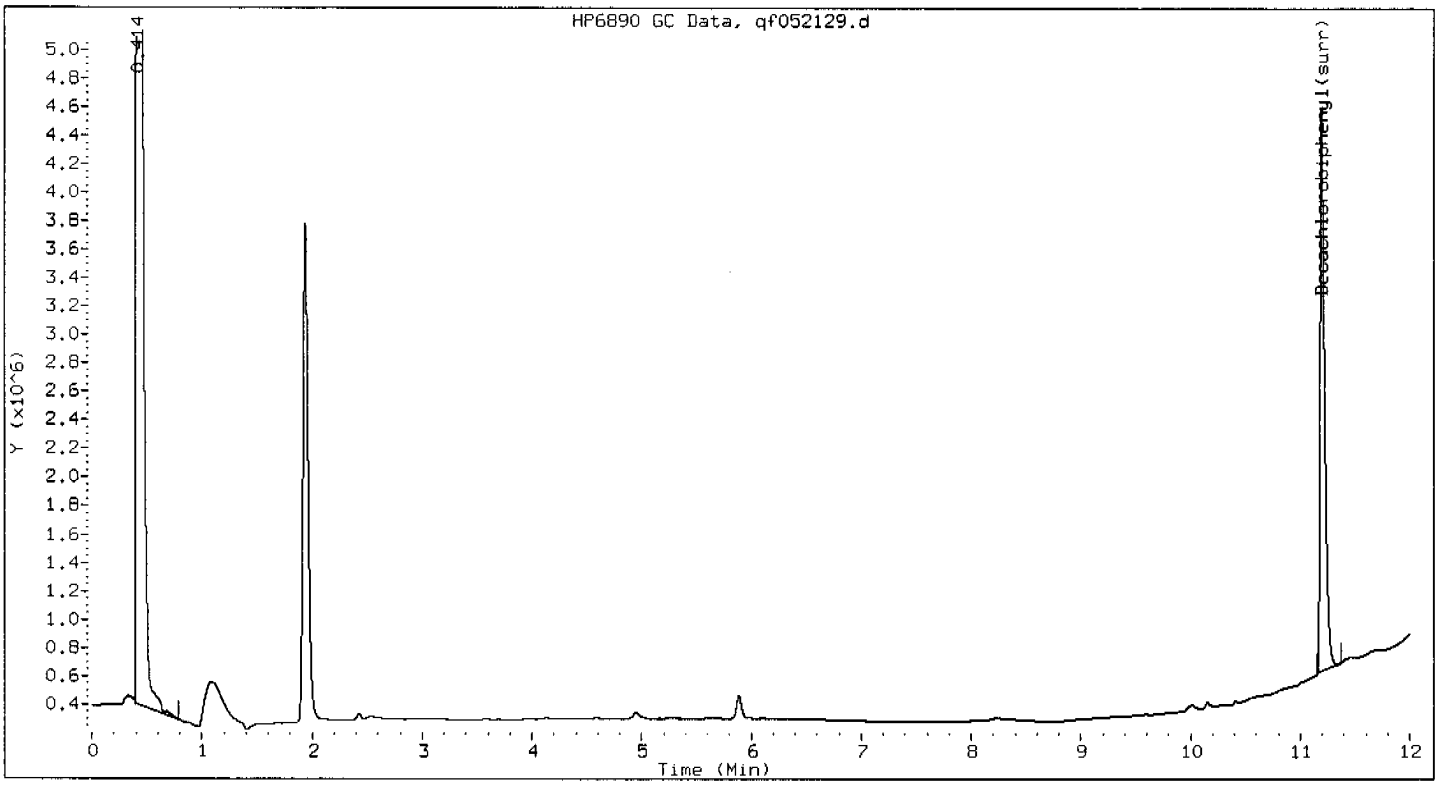
Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06b.b/05Qr8082.m
Sample Info : SP241;MB62442
Lab ID : SP241
Inj Date : 29-AUG-2006 15:44
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.427	10.426	0.001	13283628	48.768	32.512

COMMENTS:

M Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06b.b/05Qf8082.m
Sample Info : SP241;MB62442
Lab ID : SP241
Inj Date : 29-AUG-2006 15:44
Operator : 615
Cpnd Sublist: PCB8082+

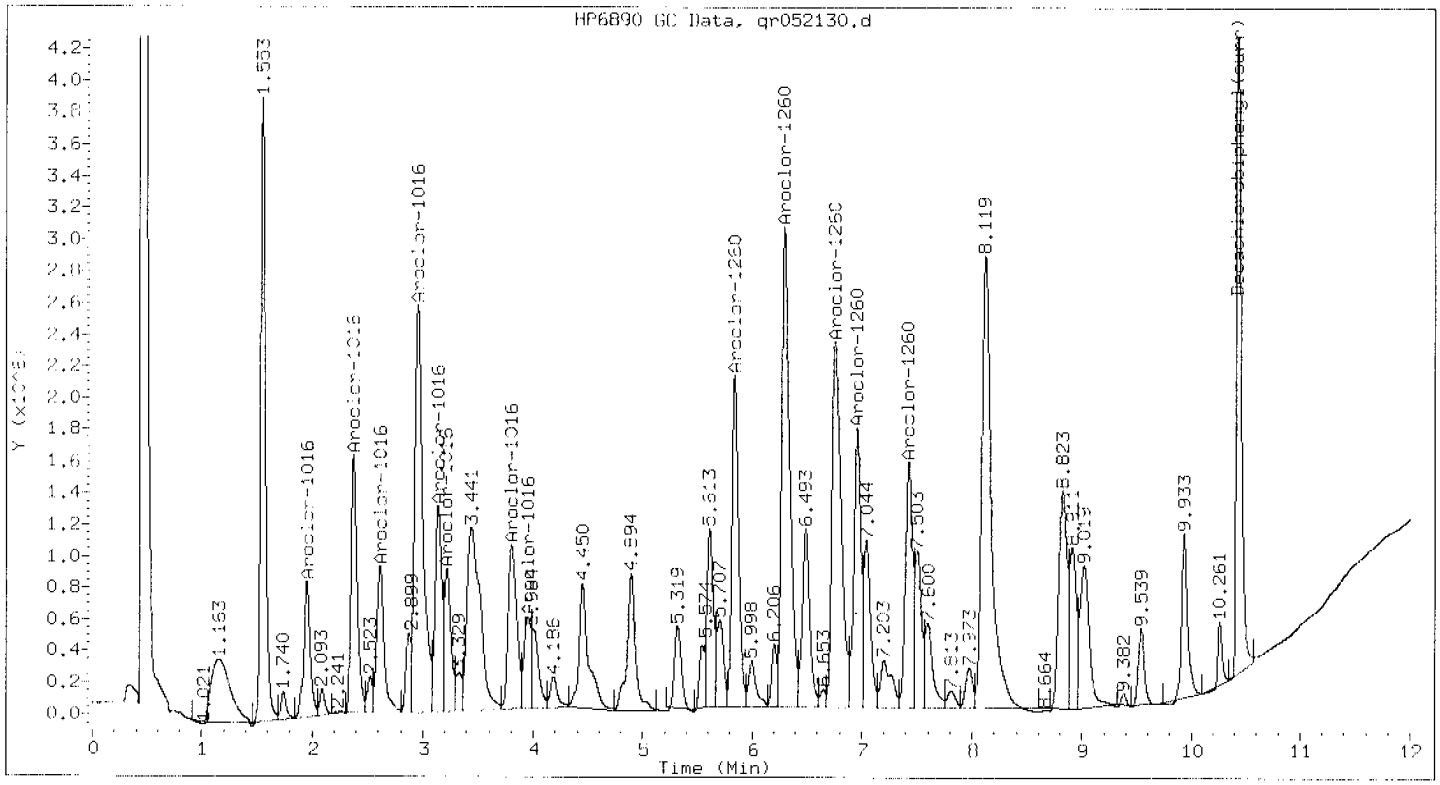
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

9/11/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	11.195	11.199	0.003	11196474	48.326	32.217

COMMENTS:

M = Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06b.b/05Qr8082.m
Sample Info : 4326BS;BS50456
Lab ID : 4326BS
Inj Date : 29-AUG-2006 16:00
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BS

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1016	(M)	1.955	1.953	0.002	3505029	485.805	323.870
(2)		2.374	2.373	0.001	6239866	493.009	328.672
(3)		2.617	2.615	0.001	4371924	518.449	345.633
(4)		2.957	2.955	0.001	13554196	497.659	331.772
(5)		3.138	3.136	0.001	5541028	515.071	343.381
(6)		3.218	3.216	0.001	3744579	503.172	335.448
(7)		3.803	3.801	0.002	5639723	521.034	347.356
(8)		3.951	3.949	0.002	2469963	529.494	352.996
Average of peak concentrations:							340.00
Aroclor 1260	(M)	5.841	5.838	0.003	8950236	517.741	345.161
(2)		6.298	6.294	0.004	15741199	519.380	346.253
(3)		6.759	6.755	0.004	13641518	500.257	333.505
(4)		6.961	6.958	0.003	7751573	533.981	355.988
(5)		7.427	7.423	0.004	6879155	490.447	326.964
(6)		------	8.819	------	------	------	------ (*)

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)	
	(7)	------	9.014	------	------	------	------	(*)
	(8)	------	9.931	------	------	------	------	(*)
Average of peak concentrations:							340.00	
Decachlorobiphenyl(surr)		10.428	10.426	0.001	13523747	49.650	33.100	

COMMENTS:

* Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b/qr052135.d
Method: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b/05Qr8082.m

Sample Information: 1660-1000C
Injection Date: 29-AUG-2006 17:15

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.952	1000	1086.50	8.65
Aroclor-1016	2	2.372	1000	1105.56	10.56
Aroclor-1016	3	2.613	1000	1074.14	7.41
Aroclor-1016	4	2.953	1000	1037.95	3.80
Aroclor-1016	5	3.134	1000	1130.96	13.10
Aroclor-1016	6	3.213	1000	1015.21	1.52
Aroclor-1016	7	3.799	1000	1096.21	9.62
Aroclor-1016	8	3.947	1000	1136.05	13.60
Aroclor-1260	1	5.837	1000	1096.84	9.68
Aroclor-1260	2	6.293	1000	1089.76	8.98
Aroclor-1260	3	6.755	1000	1074.78	7.48
Aroclor-1260	4	6.957	1000	1093.73	9.37
Aroclor-1260	5	7.422	1000	972.39	2.76
Aroclor-1260	6	8.818	1000	1047.78	4.78
Aroclor-1260	7	9.016	1000	1232.41	23.24<-
Aroclor-1260	8	9.932	1000	1177.94	17.79<-

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.552	100	115.01	15.01<-
Decachlorobiphenyl(sur	10.425	100	103.85	3.85

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b/qr052135.d
Injection Date: 29-AUG-2006 17:15

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.981	(1.911 - 2.051)	1.952	
	2.404	(2.334 - 2.474)	2.372	
	2.648	(2.578 - 2.718)	2.613	
	2.988	(2.918 - 3.058)	2.953	
	3.170	(3.100 - 3.240)	3.134	
	3.254	(3.184 - 3.324)	3.213	
	3.848	(3.778 - 3.918)	3.799	
	3.993	(3.923 - 4.063)	3.947	
Aroclor-1260	5.885	(5.815 - 5.955)	5.837	
	6.340	(6.270 - 6.410)	6.293	
	6.805	(6.735 - 6.875)	6.755	
	7.012	(6.942 - 7.082)	6.957	
	7.484	(7.414 - 7.554)	7.422	
	8.889	(8.819 - 8.959)	8.818	OUT!
	9.079	(9.009 - 9.149)	9.016	
	9.971	(9.901 - 10.041)	9.932	
Tetrachloro-m-xylene(surr)	1.576	(1.526 - 1.626)	1.552	
Decachlorobiphenyl(surr)	10.462	(10.362 - 10.562)	10.425	

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MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06c.b/qf052135.d
Method: /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06c.b/05Qf8082.m

Sample Information: 1660-1000C
Injection Date: 29-AUG-2006 17:15

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.582	1000	1114.36	11.44
Aroclor-1016	2	3.156	1000	1097.77	9.78
Aroclor-1016	3	3.554	1000	1136.45	13.65
Aroclor-1016	4	3.959	1000	1101.40	10.14
Aroclor-1016	5	4.206	1000	1131.64	13.16
Aroclor-1016	6	4.647	1000	1152.62	15.26<-
Aroclor-1016	7	5.038	1000	1065.56	6.56
Aroclor-1016	8	5.252	1000	1165.60	16.56<-
Aroclor-1260	1	7.270	1000	1076.66	7.67
Aroclor-1260	2	7.730	1000	1090.02	9.00
Aroclor-1260	3	8.591	1000	1136.60	13.66
Aroclor-1260	4	8.852	1000	1186.38	18.64<-
Aroclor-1260	5	8.981	1000	1191.64	19.16<-
Aroclor-1260	6	9.452	1000	1112.29	11.23
Aroclor-1260	7	10.290	1000	1167.91	16.79<-
Aroclor-1260	8	10.760	1000	1008.88	0.89

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.932	100	100.60	0.60
Decachlorobiphenyl(sur	11.192	100	101.10	1.10

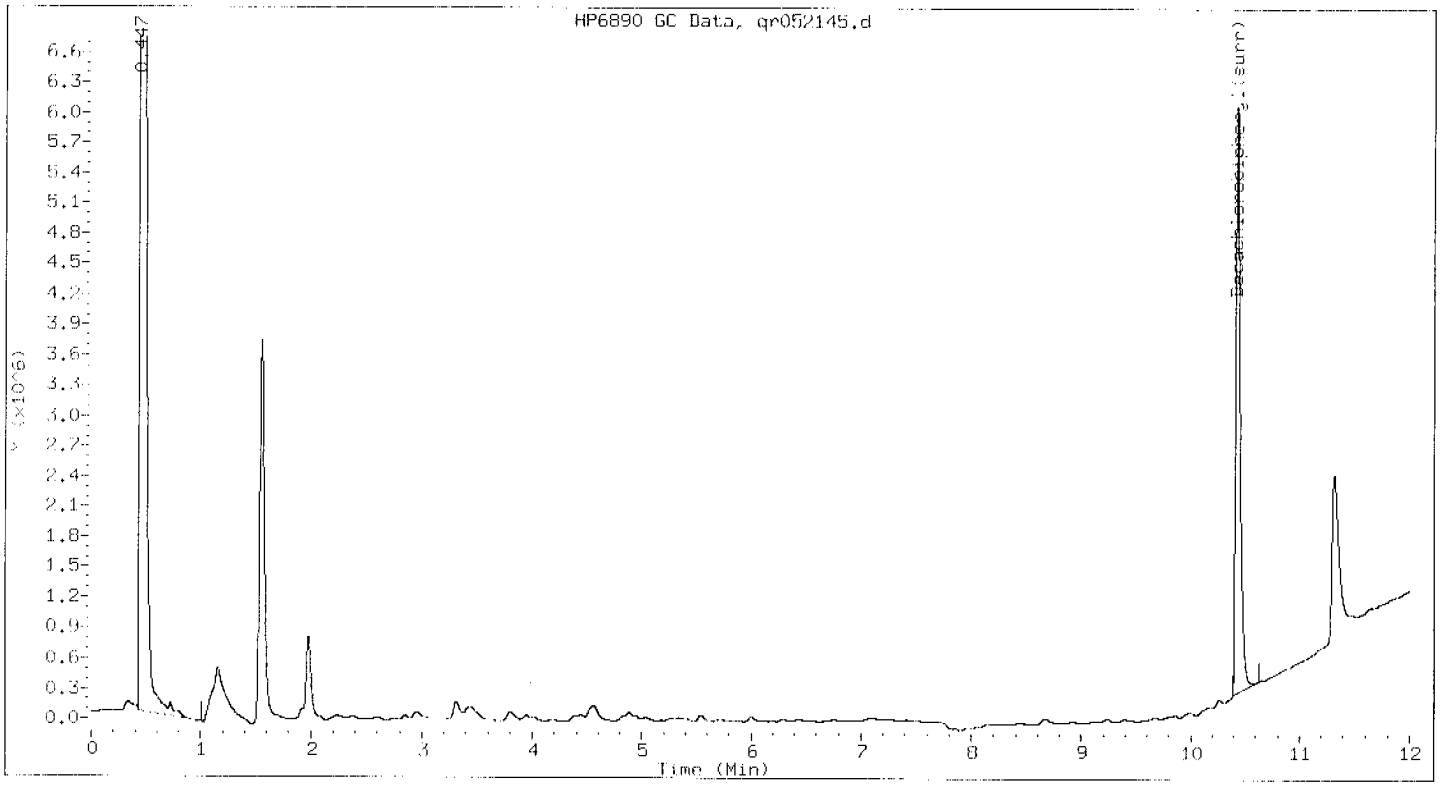
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-29-06/29aug06c.b/qf052135.d
Injection Date: 29-AUG-2006 17:15

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.620	(2.550 - 2.690)	2.582	
	3.202	(3.132 - 3.272)	3.156	
	3.613	(3.543 - 3.683)	3.554	
	4.014	(3.944 - 4.084)	3.959	
	4.262	(4.192 - 4.332)	4.206	
	4.702	(4.632 - 4.772)	4.647	
	5.093	(5.023 - 5.163)	5.038	
	5.306	(5.236 - 5.376)	5.252	
Aroclor-1260	7.335	(7.265 - 7.405)	7.270	
	7.800	(7.730 - 7.870)	7.730	
	8.674	(8.604 - 8.744)	8.591	OUT!
	8.927	(8.857 - 8.997)	8.852	OUT!
	9.051	(8.981 - 9.121)	8.981	OUT!
	9.506	(9.436 - 9.576)	9.452	
	10.329	(10.259 - 10.399)	10.290	
	10.808	(10.738 - 10.878)	10.760	
Tetrachloro-m-xylene(surr)	1.963	(1.913 - 2.013)	1.932	
Decachlorobiphenyl(surr)	11.263	(11.163 - 11.363)	11.192	



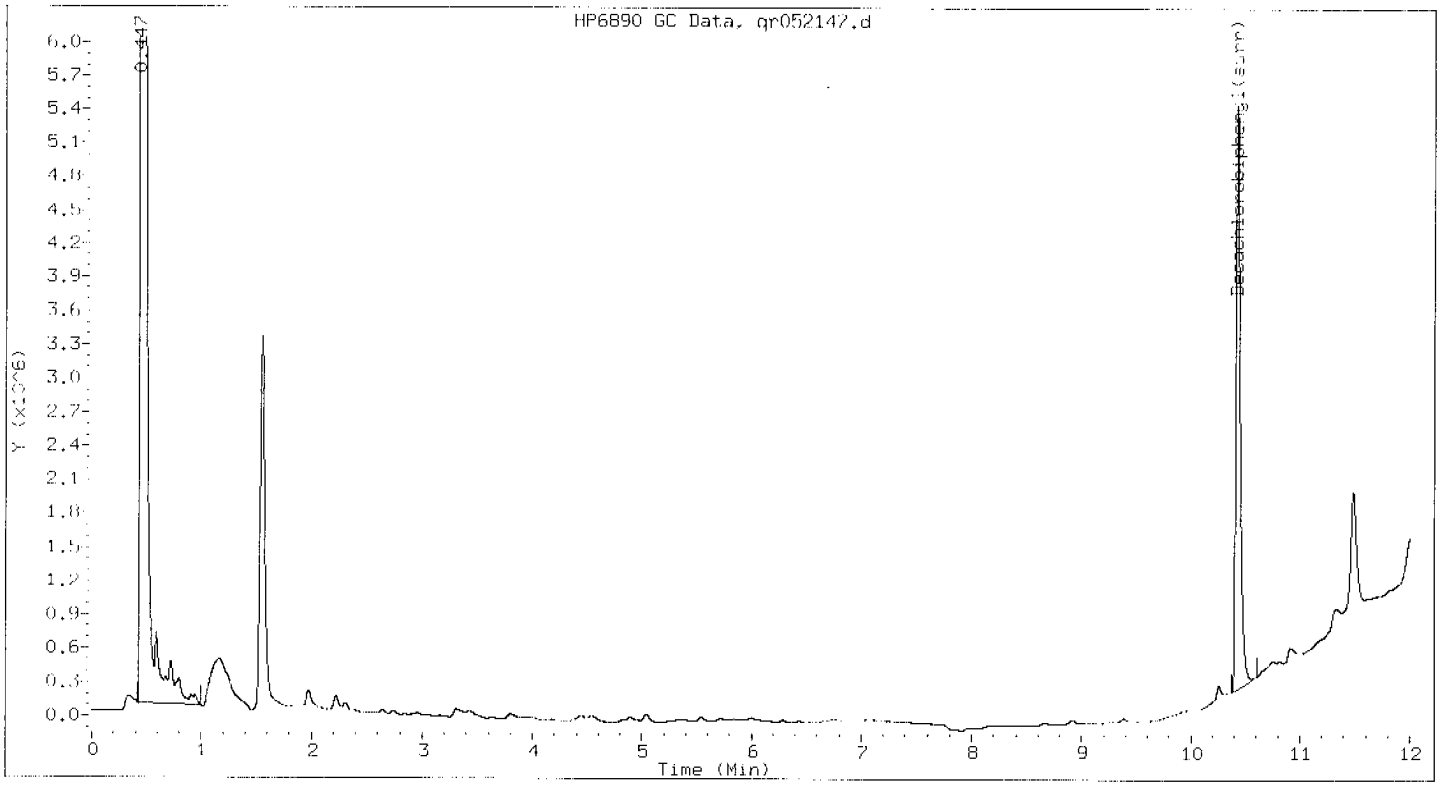
Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b/05Qr8082.m
Sample Info : 765433;3205469
Lab ID : 765433
Inj Date : 29-AUG-2006 19:46
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.427	10.425	0.002	16067399	58.988	39.326

COMMENTS:

M Compound response manually integrated.



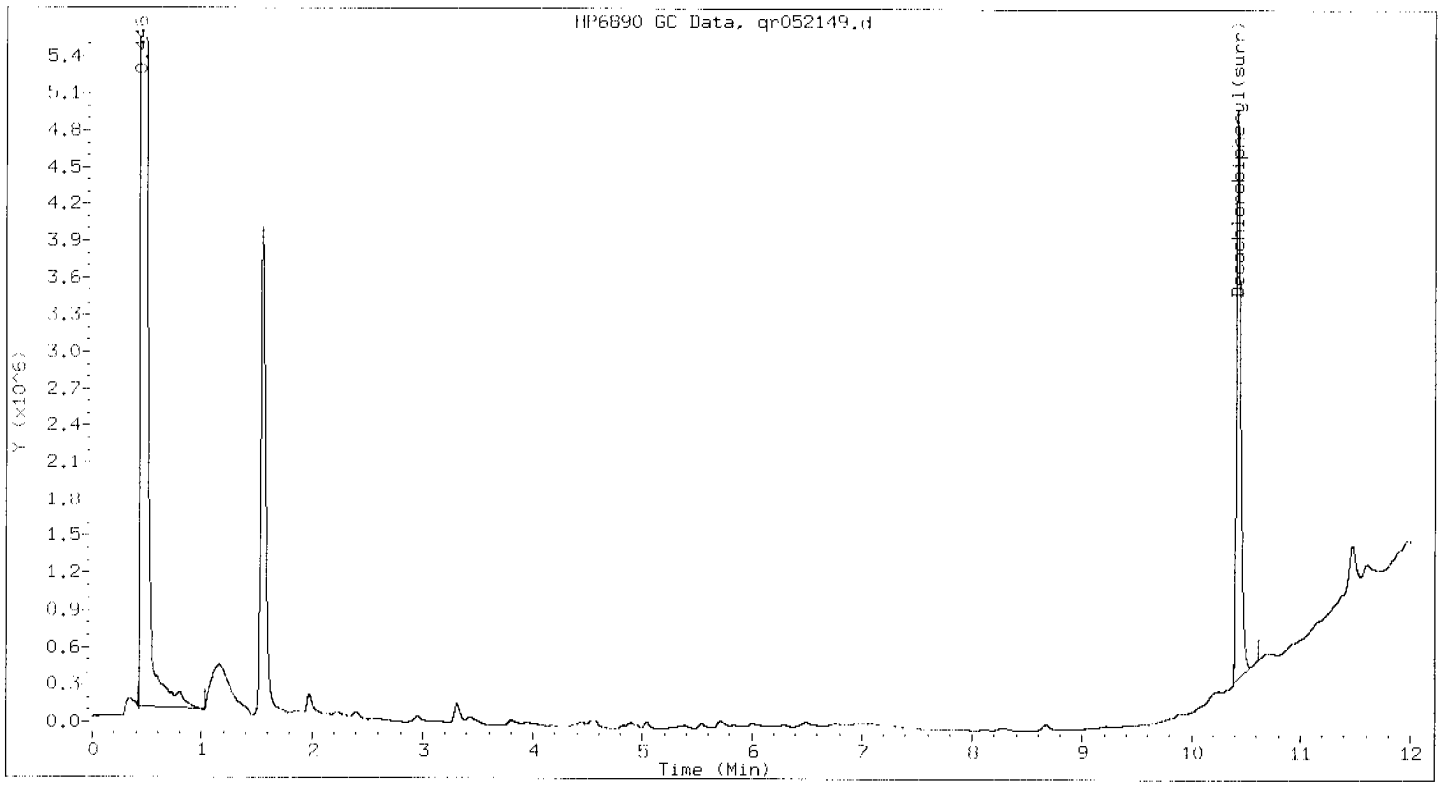
Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b/05Qr8082.m
Sample Info : 765435;3205503
Lab ID : 765435
Inj Date : 29-AUG-2006 20:17
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.426	10.425	0.001	14177663	52.051	34.700

COMMENTS:

M - Compound response manually integrated.



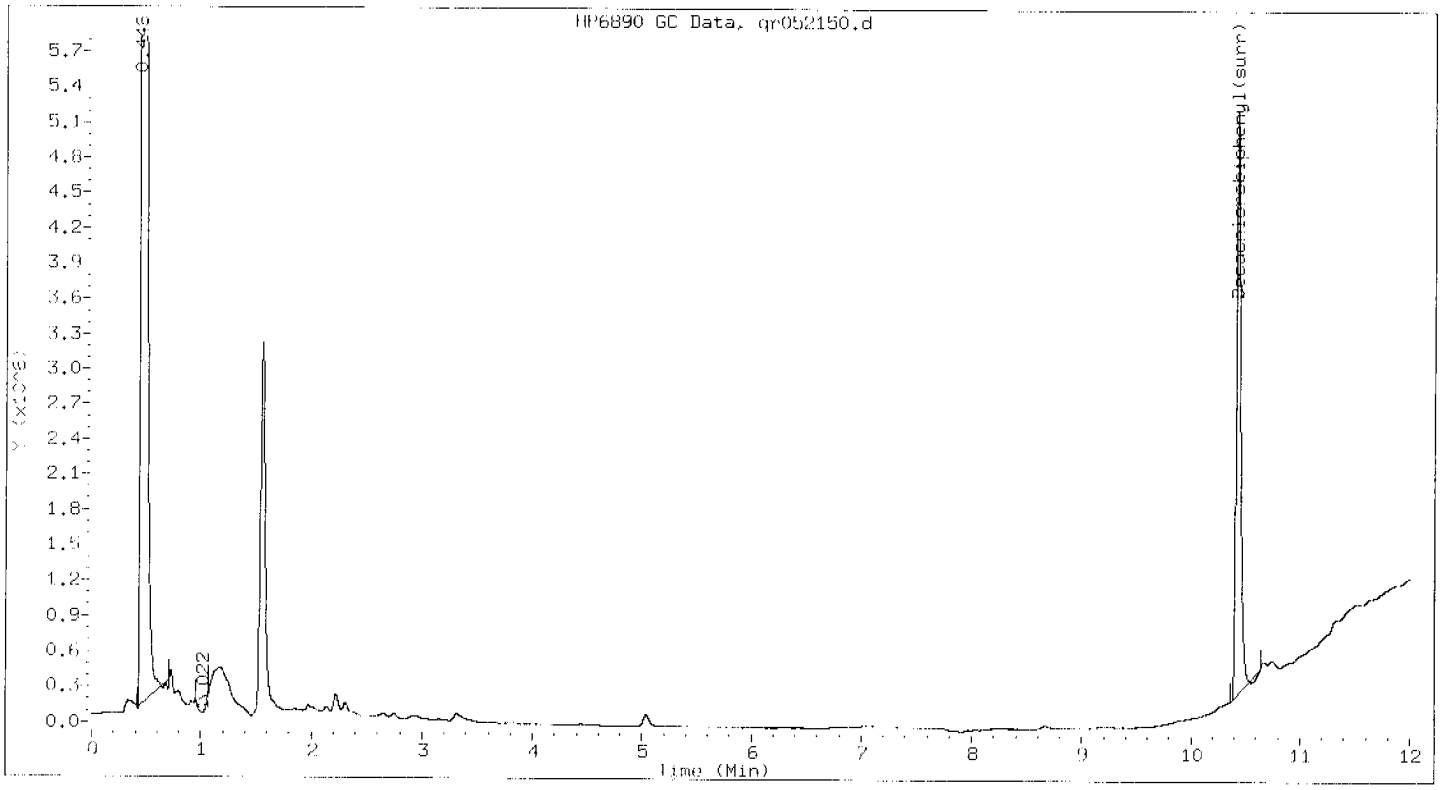
Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b/05Qr8082.m
Sample Info : 765440;3205585
Lab ID : 765440
Inj Date : 29-AUG-2006 20:48
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.425	10.425	0.000	1231267	45.204	30.136

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06c.b/05Qr8082.m
Sample Info : 765441;3205602
Lab ID : 765441
Inj Date : 29-AUG-2006 21:04
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

9/6/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.425	10.425	0.000	13152623	48.287	32.192

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06d.b/qr052156.d
Method: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06d.b/05Qr8082.m

Sample Information: 1660-1000D
Injection Date: 29-AUG-2006 22:34

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.954	1000	1155.21	15.52<-
Aroclor-1016	2	2.373	1000	1140.00	14.00
Aroclor-1016	3	2.614	1000	1108.41	10.84
Aroclor-1016	4	2.954	1000	1108.12	10.81
Aroclor-1016	5	3.134	1000	1126.50	12.65
Aroclor-1016	6	3.214	1000	1169.35	16.93<-
Aroclor-1016	7	3.799	1000	1143.29	14.33
Aroclor-1016	8	3.948	1000	1182.58	18.26<-
Aroclor-1260	1	5.836	1000	1134.14	13.41
Aroclor-1260	2	6.293	1000	1139.70	13.97
Aroclor-1260	3	6.754	1000	1126.99	12.70
Aroclor-1260	4	6.956	1000	1134.52	13.45
Aroclor-1260	5	7.422	1000	987.85	1.21
Aroclor-1260	6	8.817	1000	1150.28	15.03<-
Aroclor-1260	7	9.014	1000	1291.48	29.15<-
Aroclor-1260	8	9.930	1000	1253.96	25.40<-

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.553	100	119.18	19.18<-
Decachlorobiphenyl(sur	10.424	100	108.45	8.45

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-29-06/29aug06d.b/qr052156.d
Injection Date: 29-AUG-2006 22:34

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.981	(1.911 - 2.051)	1.954	
	2.404	(2.334 - 2.474)	2.373	
	2.648	(2.578 - 2.718)	2.614	
	2.988	(2.918 - 3.058)	2.954	
	3.170	(3.100 - 3.240)	3.134	
	3.254	(3.184 - 3.324)	3.214	
	3.848	(3.778 - 3.918)	3.799	
	3.993	(3.923 - 4.063)	3.948	
Aroclor-1260	5.885	(5.815 - 5.955)	5.836	
	6.340	(6.270 - 6.410)	6.293	
	6.805	(6.735 - 6.875)	6.754	
	7.012	(6.942 - 7.082)	6.956	
	7.484	(7.414 - 7.554)	7.422	
	8.889	(8.819 - 8.959)	8.817	OUT!
	9.079	(9.009 - 9.149)	9.014	
	9.971	(9.901 - 10.041)	9.930	
Tetrachloro-m-xylene(surr)	1.576	(1.526 - 1.626)	1.553	
Decachlorobiphenyl(surr)	10.462	(10.362 - 10.562)	10.424	

9/30/06

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06c.b/qr052201.d
Method: /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06c.b/05Qr8082.m

Sample Information: 1660-1000 C
Injection Date: 30-AUG-2006 20:22

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.947	1000	999.39	0.06
Aroclor-1016	2	2.367	1000	1038.46	3.85
Aroclor-1016	3	2.608	1000	1005.56	0.56
Aroclor-1016	4	2.949	1000	1011.95	1.20
Aroclor-1016	5	3.128	1000	1026.28	2.63
Aroclor-1016	6	3.208	1000	1003.01	0.30
Aroclor-1016	7	3.793	1000	1039.96	4.00
Aroclor-1016	8	3.940	1000	1121.04	12.10
Aroclor-1260	1	5.830	1000	1036.13	3.61
Aroclor-1260	2	6.286	1000	1041.40	4.14
Aroclor-1260	3	6.746	1000	1048.27	4.83
Aroclor-1260	4	6.949	1000	1061.20	6.12
Aroclor-1260	5	7.413	1000	1008.87	0.89
Aroclor-1260	6	8.803	1000	1002.78	0.28
Aroclor-1260	7	9.005	1000	1122.55	12.25
Aroclor-1260	8	9.924	1000	1068.21	6.82

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.546	100	108.90	8.90
Decachlorobiphenyl(sur	10.423	100	95.82	4.18

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06c.b/qr052201.d
Injection Date: 30-AUG-2006 20:22

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.981	(1.911 - 2.051)	1.947	
	2.404	(2.334 - 2.474)	2.367	
	2.648	(2.578 - 2.718)	2.608	
	2.988	(2.918 - 3.058)	2.949	
	3.170	(3.100 - 3.240)	3.128	
	3.254	(3.184 - 3.324)	3.208	
	3.848	(3.778 - 3.918)	3.793	
	3.993	(3.923 - 4.063)	3.940	
Aroclor-1260	5.885	(5.815 - 5.955)	5.830	
	6.340	(6.270 - 6.410)	6.286	
	6.805	(6.735 - 6.875)	6.746	
	7.012	(6.942 - 7.082)	6.949	
	7.484	(7.414 - 7.554)	7.413	OUT!
	8.889	(8.819 - 8.959)	8.803	OUT!
	9.079	(9.009 - 9.149)	9.005	OUT!
	9.971	(9.901 - 10.041)	9.924	
Tetrachloro-m-xylene(surr)	1.576	(1.526 - 1.626)	1.546	
Decachlorobiphenyl(surr)	10.462	(10.362 - 10.562)	10.423	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06c.b/qf052201.d
Method: /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06c.b/05Qf8082.m

Sample Information: 1660-1000 C
Injection Date: 30-AUG-2006 20:22

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.588	1000	1030.58	3.06
Aroclor-1016	2	3.164	1000	1009.71	0.97
Aroclor-1016	3	3.565	1000	1123.68	12.37
Aroclor-1016	4	3.969	1000	1037.54	3.75
Aroclor-1016	5	4.216	1000	1075.28	7.53
Aroclor-1016	6	4.656	1000	997.32	0.27
Aroclor-1016	7	5.047	1000	1081.01	8.10
Aroclor-1016	8	5.259	1000	1116.18	11.62
Aroclor-1260	1	7.276	1000	987.26	1.27
Aroclor-1260	2	7.736	1000	1009.53	0.95
Aroclor-1260	3	8.596	1000	1035.85	3.58
Aroclor-1260	4	8.857	1000	1077.20	7.72
Aroclor-1260	5	8.984	1000	1074.45	7.45
Aroclor-1260	6	9.455	1000	1022.94	2.29
Aroclor-1260	7	10.292	1000	975.93	2.41
Aroclor-1260	8	10.766	1000	941.94	5.81

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.937	100	102.29	2.29
Decachlorobiphenyl(sur	11.204	100	95.37	4.63

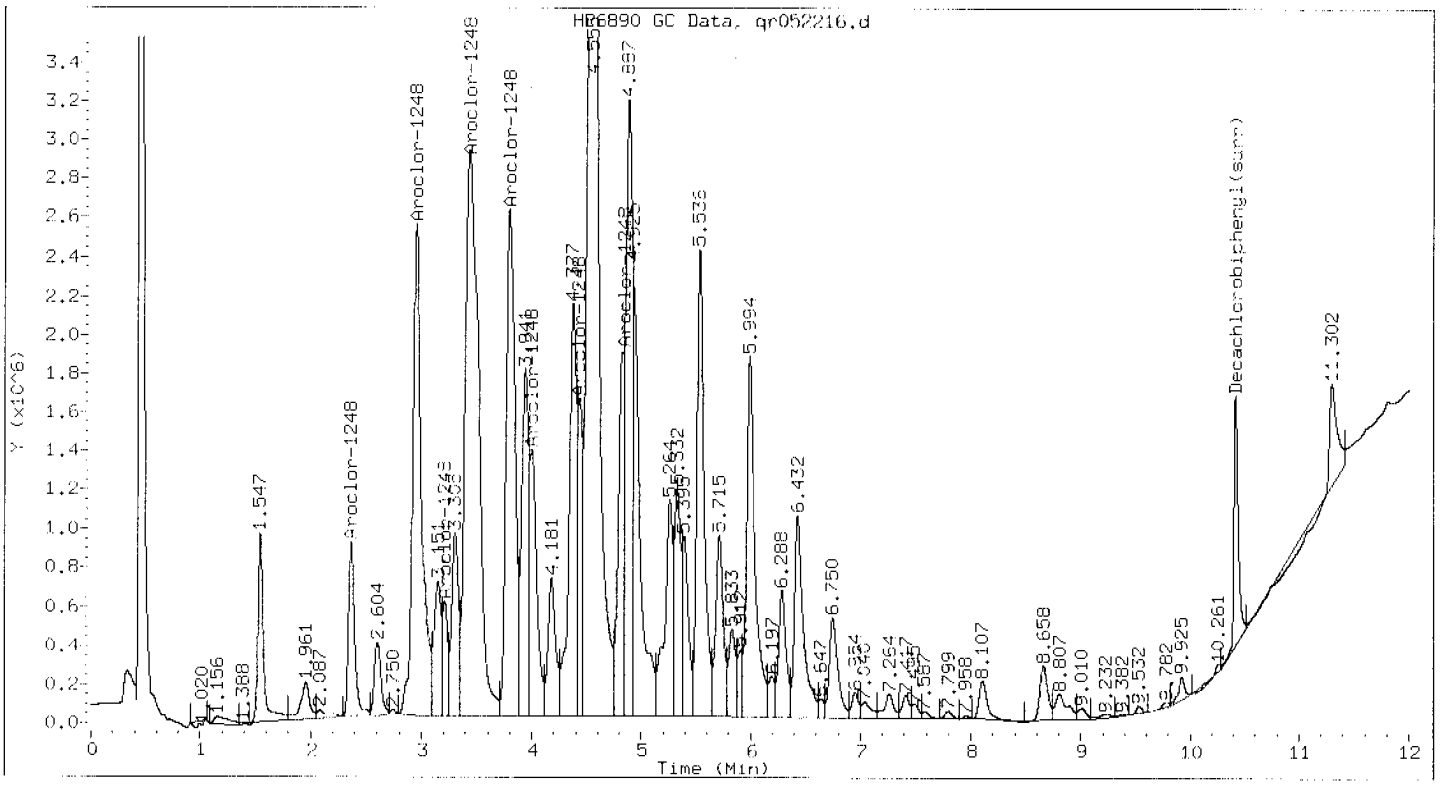
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06c.b/qf052201.d
Injection Date: 30-AUG-2006 20:22

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.620	(2.550 - 2.690)	2.588	
	3.202	(3.132 - 3.272)	3.164	
	3.613	(3.543 - 3.683)	3.565	
	4.014	(3.944 - 4.084)	3.969	
	4.262	(4.192 - 4.332)	4.216	
	4.702	(4.632 - 4.772)	4.656	
	5.093	(5.023 - 5.163)	5.047	
	5.306	(5.236 - 5.376)	5.259	
Aroclor-1260	7.335	(7.265 - 7.405)	7.276	
	7.800	(7.730 - 7.870)	7.736	
	8.674	(8.604 - 8.744)	8.596	OUT!
	8.927	(8.857 - 8.997)	8.857	OUT!
	9.051	(8.981 - 9.121)	8.984	
	9.506	(9.436 - 9.576)	9.455	
	10.329	(10.259 - 10.399)	10.292	
	10.808	(10.738 - 10.878)	10.766	
Tetrachloro-m-xylene(surr)	1.963	(1.913 - 2.013)	1.937	
Decachlorobiphenyl(surr)	11.263	(11.163 - 11.363)	11.204	



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06c.b/05Qr8082.m
Sample Info : 765432;3205452
Lab ID : 765432
Inj Date : 31-AUG-2006 01:28
Operator : 615
Cpnd Sublist: PCB8082+

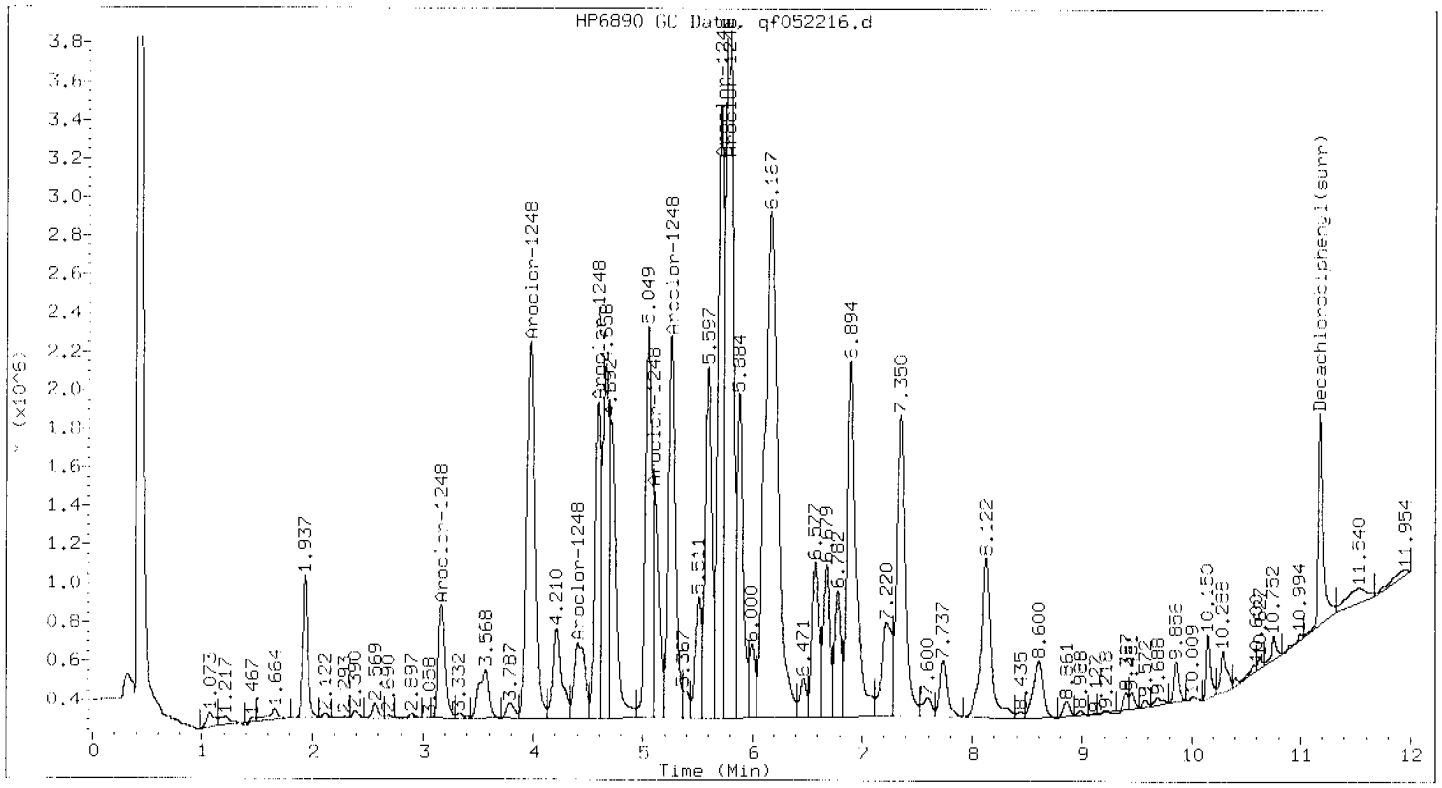
Inst ID : PESTGC8.i
Dil Factor : 5
Sample Matrix : SOIL
Sample Type: SAMPLE

9/14/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	2.370	2.400	0.030	3541381	628.369	2418.663
(2)		2.956	2.986	0.030	14094563	724.023	2786.849
(3)		3.211	3.250	0.039	1987095	462.844	1781.540
(4)		3.438	3.480	0.042	24845930	1510.546	5814.265
(5)		3.798	3.844	0.046	14836908	1037.334	3992.818
(6)		4.003	3.988	0.015	6240041	832.506	3204.410
(7)		4.435	4.417	0.017	4902445	556.445	2141.822
(8)		4.843	4.932	0.088	6693848	599.576	2307.836
Average of peak concentrations:							3000.00
Decachlorobiphenyl(surr)		10.420	10.423	0.003	3425053	12.574	48.400

COMMENTS:

M - Compound response manually integrated.



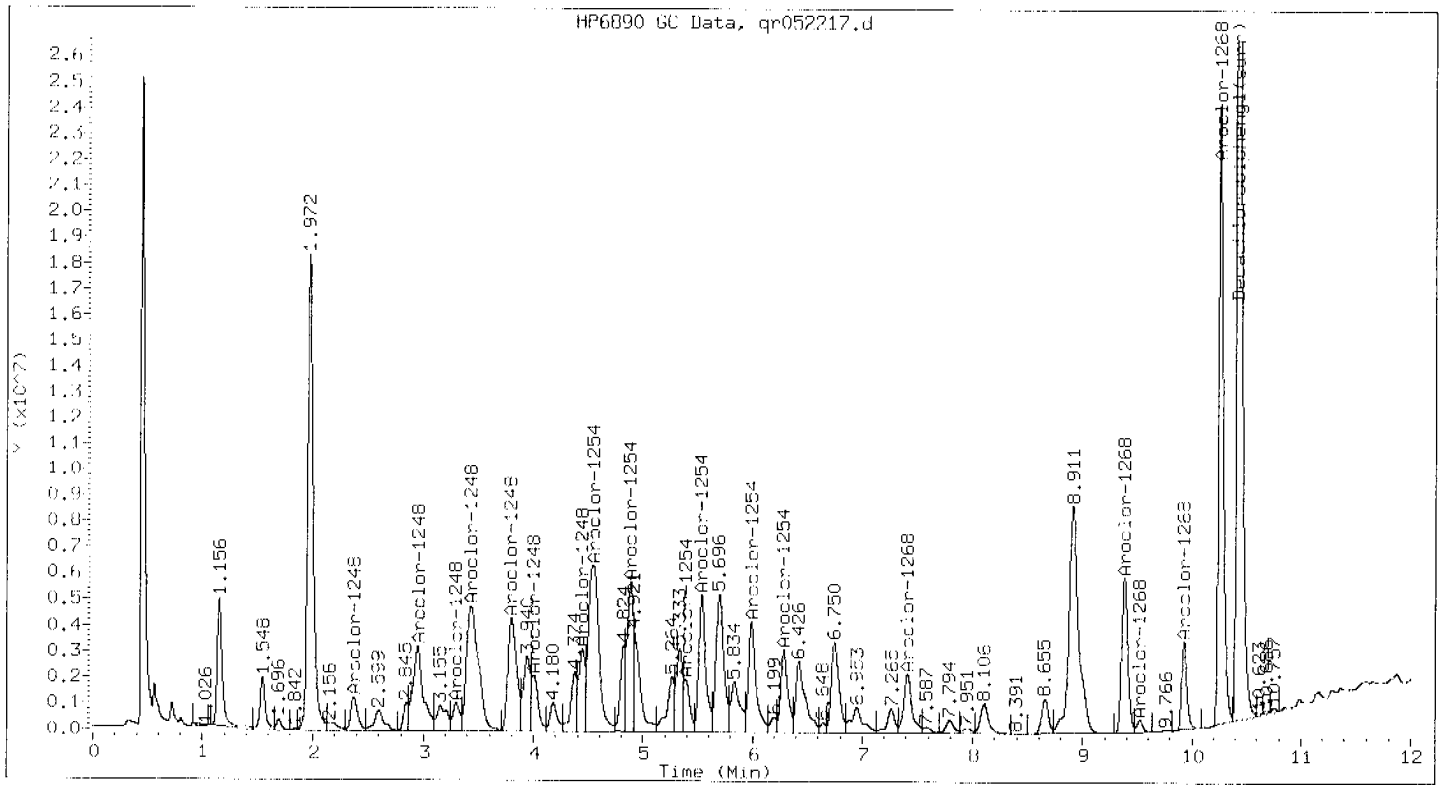
Method : /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06c.b/05Qf8082.m
Sample Info : 765432;3205452
Lab ID : 765432
Inj Date : 31-AUG-2006 01:28
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 5
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds:		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	3.165	3.187	0.022	2573786	533.168	2052.225
(2)		3.974	4.000	0.026	10431540	660.521	2542.422
(3)		4.402	4.431	0.029	2705631	865.555	3331.621
(4)		4.588	4.619	0.031	6109864	943.946	3633.356
(5)		5.097	5.082	0.015	4166597	452.741	1742.653
(6)		5.259	5.294	0.035	9156105	914.989	3521.898
(7)		5.711	5.742	0.032	11271733	1126.415	4335.701
(8)		5.781	5.814	0.033	19713180	1441.291	5547.693
Average of peak concentrations:							3300.00
Decachlorobiphenyl(surr)		11.178	11.204	0.026	3282541	14.168	54.534

COMMENTS:

M = Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06c.b/05Qr8082.m
Sample Info : 765434;3205486
Lab ID : 765434
Inj Date : 31-AUG-2006 01:43
Operator : 615
Cpnd Sublist: PCB8082+

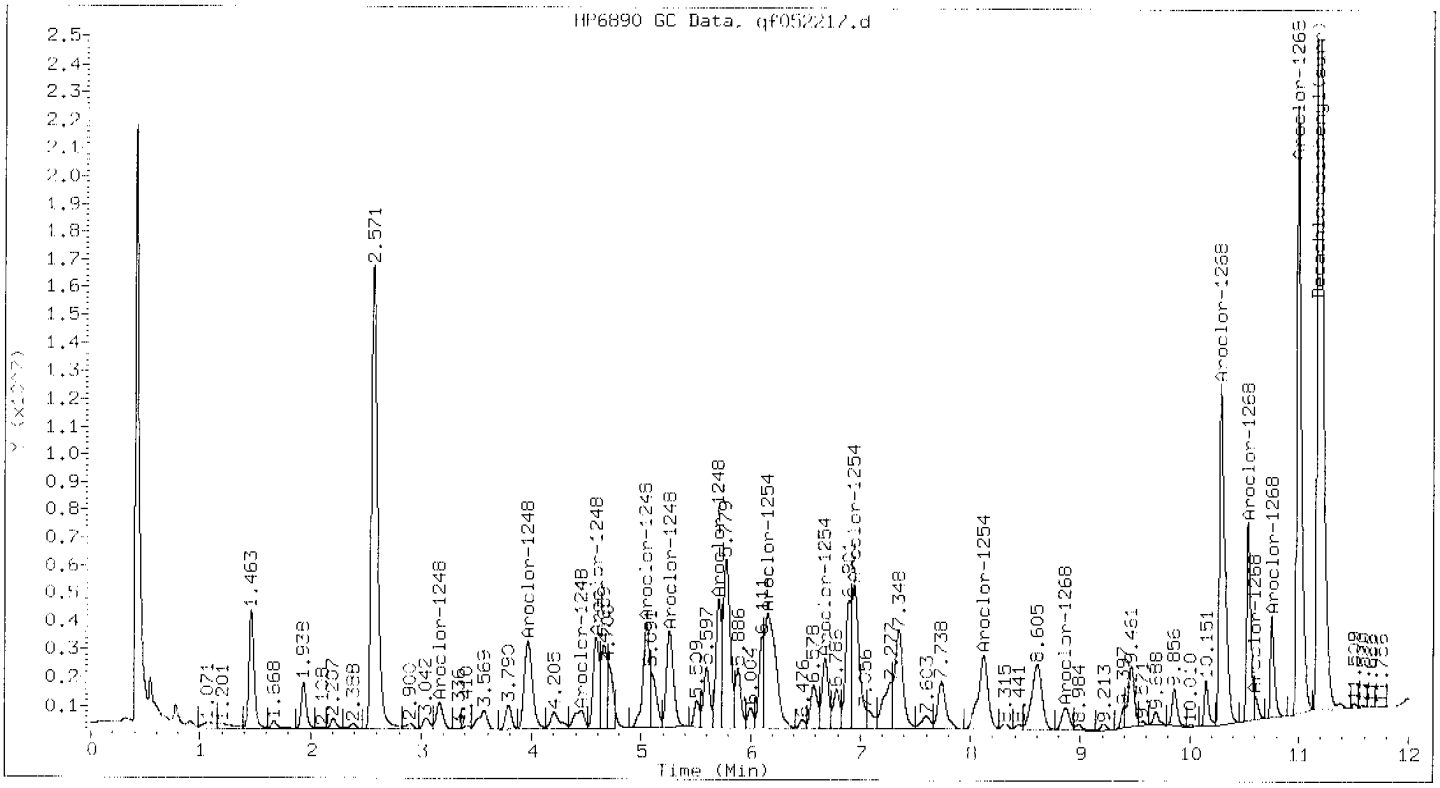
Inst ID : PESTGC8.i
Dil Factor : 2
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	2.371	2.400	0.029	5901593	1047.155	1496.470
(2)		2.951	2.986	0.034	21736534	1116.583	1595.689
(3)		3.296	3.250	0.046	4727711	1101.202	1573.708
(4)		3.430	3.480	0.050	36896657	2243.188	3205.700
(5)		3.796	3.844	0.048	24027883	1679.929	2400.755
(6)		4.001	3.988	0.012	9508652	1268.582	1812.908
(7)		4.442	4.417	0.025	11573743	1313.662	1877.330
(8)		------	4.932	------	------	------	------ (*)
Average of peak concentrations:						2000.00	
Aroclor 1254	(M)	4.544	4.494	0.050	44385239	3618.012	5170.435
(2)		----	4.567	------	------	------	------ (*)
(3)		4.886	4.934	0.049	22845004	1248.105	1783.644
(4)		5.390	5.381	0.009	7473457	588.522	841.046
(5)		5.535	5.584	0.050	23420375	1086.976	1553.378
(6)		5.991	6.041	0.051	21469356	1218.982	1742.025

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)		6.288	6.339	0.051	14540393	860.860	1230.240
(8)		------	6.806	------	-------	----	------ (*)
Average of peak concentrations:							2000.00
Aroclor-1268	(M)	---	7.043	--- --	- ----	----	------ (*)
(2)		7.410	7.504	0.094	12296155	802.402	1146.699
(3)		---	9.017	-- --	---	-----	----- (*)
(4)		---	9.097	-- --	----	-----	------ (*)
(5)		9.380	9.458	0.078	23667502	620.567	886.841
(6)		9.522	9.593	0.071	1930240	150.752	215.437
(7)		9.926	9.987	0.061	11009460	771.109	1101.978
(8)		10.256	10.308	0.052	69738703	836.310	1195.155
Average of peak concentrations:							910.00
Decachlorobiphenyl(surr)	(M)	10.421	10.423	0.002	148773325	546.194	780.555

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06c.b/05Qf8082.m
Sample Info : 765434;3205486
Lab ID : 765434
Inj Date : 31-AUG-2006 01:43
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 2
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	3.163	3.187	0.024	4146731	859.009	1227.594
(2)		3.968	4.000	0.032	16337307	1034.472	1478.345
(3)		4.449	4.431	0.018	4238243	1355.851	1937.622
(4)		4.588	4.619	0.031	11740321	1813.826	2592.105
(5)		5.049	5.082	0.034	15836239	1720.761	2459.108
(6)		5.261	5.294	0.034	15786435	1577.572	2254.480
(7)		5.710	5.742	0.033	15633003	1562.249	2232.581
(8)		------	5.814	------	------	------	------ (*)
Average of peak concentrations:							2000.00
Aroclor-1254	(M)	4.588	4.621	0.033	11740321	1532.264	2189.730
(2)		------	5.809	------	------	------	------ (*)
(3)		6.161	6.141	0.020	28859985	2372.512	3390.514
(4)		6.681	6.725	0.044	10283430	1259.143	1799.419
(5)		6.948	6.941	0.007	24109072	1324.955	1893.469
(6)		8.119	8.177	0.058	16102387	1598.037	2283.726

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)		------	8.676	------		------	------ (*)
(8)			9.446		------		------ (*)
Average of peak concentrations:							2300.00
Aroclor 1268	(M)	8.862	8.979	0.117	3865103	379.991	543.038
(2)		------	9.546	------		------	------ (*)
(3)		10.286	10.341	0.056	42908453	1668.191	2383.982
(4)		------	10.381	------		------	------ (*)
(5)		10.536	10.591	0.056	18712476	717.482	1025.340
(6)		10.600	10.668	0.068	1948284	171.549	245.158
(7)		10.754	10.817	0.063	9131062	797.849	1140.191
(8)		10.993	11.069	0.076	60543863	864.041	1234.785
Average of peak concentrations:							1100.00
Decachlorobiphenyl(surr)		11.181	11.204	0.024	132049663	569.951	814.507

COMMENTS:

* - Multicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06d.b/qr052225.d
Method: /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06d.b/05Qr8082.m

Sample Information: 1660-1000d
Injection Date: 31-AUG-2006 07:53

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.943	1000	981.20	1.88
Aroclor-1016	2	2.362	1000	1051.91	5.19
Aroclor-1016	3	2.603	1000	1097.10	9.71
Aroclor-1016	4	2.943	1000	1021.53	2.15
Aroclor-1016	5	3.124	1000	1064.43	6.44
Aroclor-1016	6	3.203	1000	1095.60	9.56
Aroclor-1016	7	3.788	1000	1098.09	9.81
Aroclor-1016	8	3.936	1000	1245.12	24.51<-
Aroclor-1260	1	5.827	1000	1057.94	5.79
Aroclor-1260	2	6.284	1000	1055.30	5.53
Aroclor-1260	3	6.745	1000	1043.60	4.36
Aroclor-1260	4	6.948	1000	1051.68	5.17
Aroclor-1260	5	7.413	1000	992.33	0.77
Aroclor-1260	6	8.804	1000	970.89	2.91
Aroclor-1260	7	9.005	1000	1138.14	13.81
Aroclor-1260	8	9.925	1000	1034.36	3.44

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.542	100	109.04	9.04
Decachlorobiphenyl(sur	10.421	100	92.15	7.85

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-10-06ical/10aug06a.b/qr051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-30-06/30aug06d.b/qr052225.d
Injection Date: 31-AUG-2006 07:53

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.981	(1.911 - 2.051)	1.943	
	2.404	(2.334 - 2.474)	2.362	
	2.648	(2.578 - 2.718)	2.603	
	2.988	(2.918 - 3.058)	2.943	
	3.170	(3.100 - 3.240)	3.124	
	3.254	(3.184 - 3.324)	3.203	
	3.848	(3.778 - 3.918)	3.788	
	3.993	(3.923 - 4.063)	3.936	
Aroclor-1260	5.885	(5.815 - 5.955)	5.827	
	6.340	(6.270 - 6.410)	6.284	
	6.805	(6.735 - 6.875)	6.745	
	7.012	(6.942 - 7.082)	6.948	
	7.484	(7.414 - 7.554)	7.413	OUT!
	8.889	(8.819 - 8.959)	8.804	OUT!
	9.079	(9.009 - 9.149)	9.005	OUT!
	9.971	(9.901 - 10.041)	9.925	
Tetrachloro-m-xylene(surr)	1.576	(1.526 - 1.626)	1.542	
Decachlorobiphenyl(surr)	10.462	(10.362 - 10.562)	10.421	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06d.b/qf052225.d
Method: /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06d.b/05Qf8082.m

Sample Information: 1660-1000d
Injection Date: 31-AUG-2006 07:53

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.574	1000	1064.48	6.45
Aroclor-1016	2	3.149	1000	1009.57	0.96
Aroclor-1016	3	3.546	1000	994.86	0.51
Aroclor-1016	4	3.951	1000	1045.11	4.51
Aroclor-1016	5	4.198	1000	1070.29	7.03
Aroclor-1016	6	4.639	1000	944.42	5.56
Aroclor-1016	7	5.032	1000	1055.97	5.60
Aroclor-1016	8	5.246	1000	1068.97	6.90
Aroclor-1260	1	7.263	1000	1014.80	1.48
Aroclor-1260	2	7.723	1000	1026.19	2.62
Aroclor-1260	3	8.583	1000	1059.44	5.94
Aroclor-1260	4	8.845	1000	1095.23	9.52
Aroclor-1260	5	8.973	1000	1109.06	10.91
Aroclor-1260	6	9.448	1000	1042.58	4.26
Aroclor-1260	7	10.287	1000	978.89	2.11
Aroclor-1260	8	10.757	1000	958.31	4.17

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.924	100	98.84	1.16
Decachlorobiphenyl(sur	11.188	100	94.59	5.41

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-10-06ical/10aug06a.b/qf051303.d
Injection Date: 10-AUG-2006 13:34

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-30-06/30aug06d.b/qf052225.d
Injection Date: 31-AUG-2006 07:53

Compound	Init Cal RT	RT Range	Cont. Cal RT	Flags
Aroclor-1016	2.620	(2.550 - 2.690)	2.574	
	3.202	(3.132 - 3.272)	3.149	
	3.613	(3.543 - 3.683)	3.546	
	4.014	(3.944 - 4.084)	3.951	
	4.262	(4.192 - 4.332)	4.198	
	4.702	(4.632 - 4.772)	4.639	
	5.093	(5.023 - 5.163)	5.032	
	5.306	(5.236 - 5.376)	5.246	
Aroclor-1260	7.335	(7.265 - 7.405)	7.263	OUT!
	7.800	(7.730 - 7.870)	7.723	OUT!
	8.674	(8.604 - 8.744)	8.583	OUT!
	8.927	(8.857 - 8.997)	8.845	OUT!
	9.051	(8.981 - 9.121)	8.973	OUT!
	9.506	(9.436 - 9.576)	9.448	
	10.329	(10.259 - 10.399)	10.287	
	10.808	(10.738 - 10.878)	10.757	
Tetrachloro-m-xylene(surr)	1.963	(1.913 - 2.013)	1.924	
Decachlorobiphenyl(surr)	11.263	(11.163 - 11.363)	11.188	

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Calibration Files:

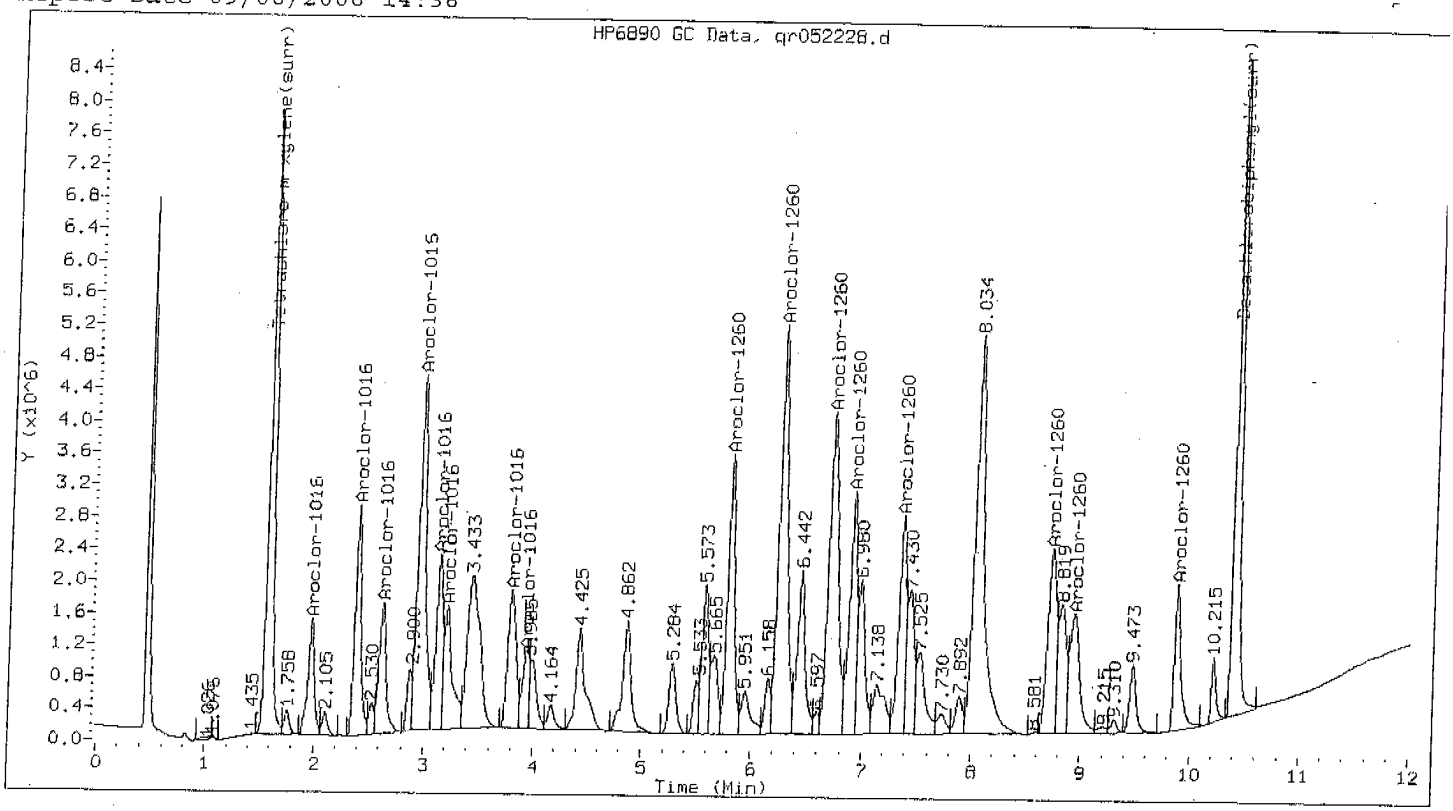
/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052229.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052230.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052228.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052231.d
/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052232.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	a1	a2	%RSD or R^2
Aroclor-1016	1	7888.48	6432.00	6126.48	5227.85	5512.91		6237.54		16.66149
	2	14376.90	12684.82	11642.69	9279.41	10019.02		11600.57		17.65285
	3	8388.09	8498.55	7693.27	6175.71	6961.00		7543.32		13.01936
	4	28172.39	25599.80	22469.06	18337.26	20167.83		22949.27		17.36754
	5	11869.55	10200.76	9118.65	7644.46	8564.52		9479.59		17.14600
	6	6413.49	8773.50	7963.28	6877.93	7580.14		7521.67		12.27166
	7	10681.29	9888.16	9305.66	8308.10	9564.19		9549.48		9.06337
	8	3410.54	4265.95	4135.52	3223.87	4085.04		3824.19		12.34576
Aroclor-1260	1	19971.65	17035.15	15675.57	12934.21	13821.93		15887.70		17.53094
	2	33849.34	29446.69	27339.45	22807.55	24762.81		27641.17		15.51239
	3	22277.60	25702.76	24571.00	20869.49	23185.90		23321.35		8.12222
	4	11052.05	14154.80	13292.99	11249.19	12161.58		12382.12		10.73958
	5	12923.54	12949.03	12168.82	10335.02	11292.05		11933.69		9.40001
	6	14263.08	13351.64	12655.31	11402.91	13394.81		13013.55		8.18971
	7	9925.04	10109.25	10149.08	8212.07	9411.07		9561.30		8.46623
	8	6855.02	7476.41	7751.96	6346.64	7367.44		7159.50		7.80219
Tetrachloro-m-xylene(surr)		295136.76	277032.24	263244.78	257789.23	253491.08		269338.82		6.28550
Decachlorobiphenyl(surr)		318562.88	286952.28	269764.95	249983.60	241709.15		273394.57		11.25781

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1660-1000 a
Lab ID : 1660-1000 a
Inj Date : 31-AUG-2006 16:13
Operator : 615
Cpnd Sublist: AR16600S

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

9/11/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	1.970	1.970	0.000	6126480	982.194	982.194
(2)		2.384	2.384	0.000	11642695	1003.631	1003.631
(3)		2.623	2.623	0.000	7693269	1019.878	1019.878
(4)		2.956	2.956	0.000	22469058	979.075	979.075
(5)		3.135	3.135	0.000	9118645	961.924	961.924
(6)		3.213	3.213	0.000	7963280	1058.712	1058.712
(7)		3.788	3.788	0.000	9305661	974.468	974.468
(8)		3.934	3.934	0.000	4135518	1081.412	1081.412
Average of peak concentrations:							1000.00
Aroclor-1260	(M)	5.798	5.798	0.000	15675572	986.648	986.648
(2)		6.248	6.248	0.000	27339451	989.085	989.085
(3)		6.700	6.700	0.000	24571004	1053.584	1053.584
(4)		6.900	6.900	0.000	13292988	1073.563	1073.563
(5)		7.356	7.356	0.000	12168818	1019.703	1019.703
(6)		8.723	8.723	0.000	12655308	972.472	972.472

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	8.936	8.936	0.000	10149079	1061.474	1061.474
(8)	9.875	9.875	0.000	7751957	1082.752	1082.752
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	1.571	1.571	0.000	26324478	97.737	97.737
Decachlorobiphenyl(surr)	10.390	10.390	0.000	26976495	98.672	98.672

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Calibration Files:

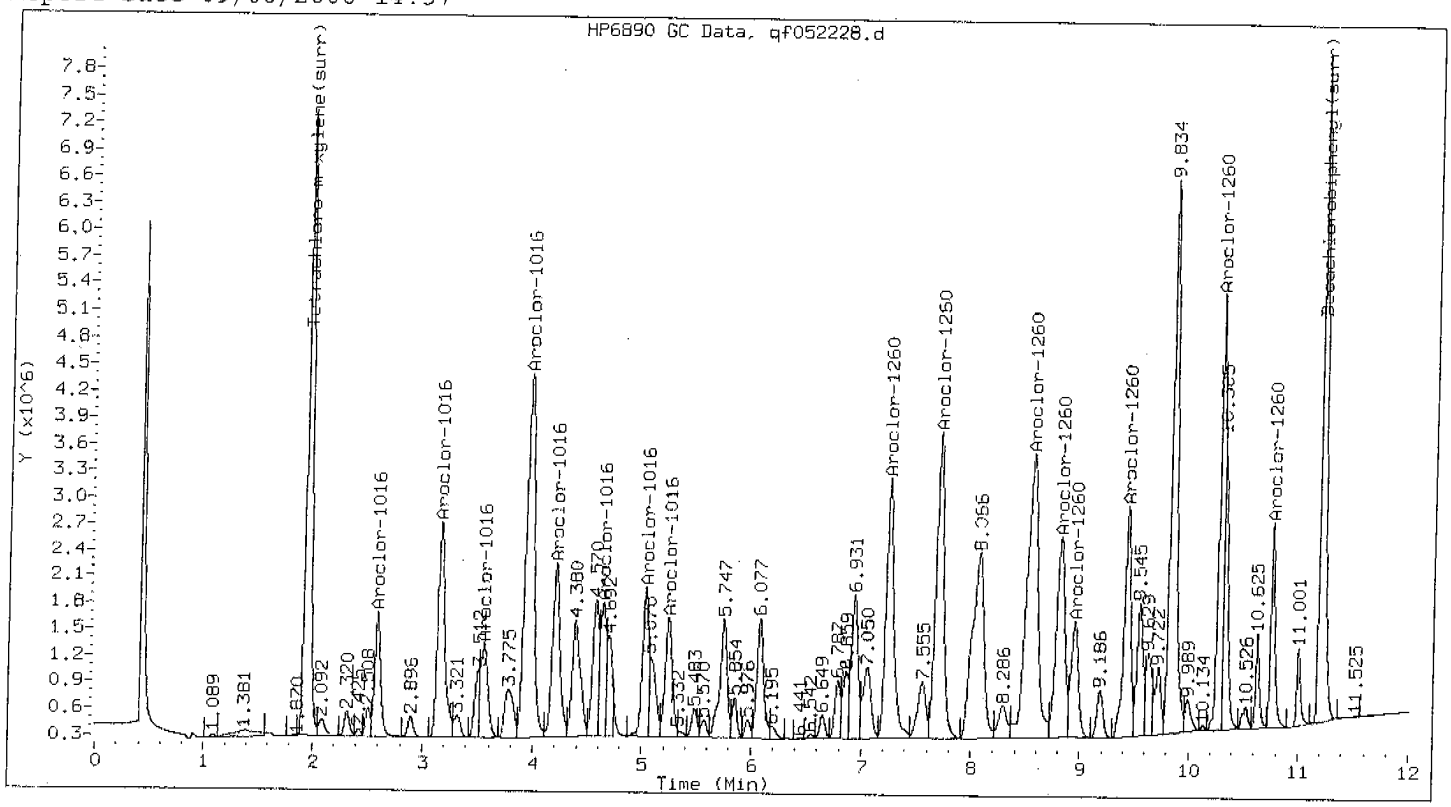
/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052229.d
/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052230.d
/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052228.d
/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052231.d
/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052232.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	a1	a2	%RSD or R^2
Aroclor-1016	1	6536.79	5889.67	5397.41	4473.95	4755.21		5410.61		15.47670
	2	13493.40	12282.59	11232.30	8829.28	9537.68		11075.05		17.33195
	3	3040.66	5053.12	5027.43	3949.04	4089.31		4231.91		19.86420
	4	25516.34	23706.46	22102.88	18173.52	19666.21		21833.08		13.59413
	5	9888.04	10081.52	9491.66	8064.25	8694.12		9243.92		9.16614
	6	4832.49	6679.00	6337.03	4878.50	5073.10		5560.03		15.79947
	7	8586.36	7369.51	6600.06	5978.28	6133.10		6933.46		15.44374
	8	6785.27	6584.69	6334.16	5506.94	6028.94		6248.00		8.02891
Aroclor-1260	1	19282.19	15926.51	15077.54	12539.38	13358.91		15236.91		17.26110
	2	21893.99	18840.68	17546.76	14632.65	15709.32		17724.68		16.02786
	3	27033.54	23070.62	24316.25	20391.54	22463.70		23455.13		10.45697
	4	13620.27	11846.01	12438.66	10430.05	11310.21		11929.04		10.05668
	5	6587.42	6291.36	6471.13	5580.58	6162.17		6218.53		6.30726
	6	12566.95	11658.73	11214.24	9320.99	10362.42		11024.67		11.25417
	7	17203.81	14930.37	13667.37	11695.81	12999.43		14099.36		14.83581
	8	7113.30	6623.35	6533.97	5298.16	5948.33		6303.42		11.07120
Tetrachloro-m-xylene(surr)		237795.52	227358.12	231756.97	225436.13	223796.10		229228.57		2.45985
Decachlorobiphenyl(surr)		272238.04	249866.82	229986.48	217799.78	210927.70		236163.76		10.58880

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1660-1000 a
Lab ID : 1660-1000 a
Inj Date : 31-AUG-2006 16:13
Operator : 615
Cpnd Sublist: AR16600S

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	2.590	2.590	0.000	5397412	997.561	997.561
(2)		3.159	3.159	0.000	11232303	1014.199	1014.199
(3)		3.554	3.554	0.000	5027431	1187.981	1187.981
(4)		3.954	3.954	0.000	22102882	1012.357	1012.357
(5)		4.200	4.200	0.000	9491662	1026.801	1026.801
(6)		4.636	4.636	0.000	6337033	1139.749	1139.749
(7)		5.027	5.027	0.000	6600065	951.915	951.915
(8)		5.238	5.238	0.000	6334156	1013.789	1013.789
Average of peak concentrations:							1000.00
Aroclor-1260	(M)	7.240	7.240	0.000	15077536	989.541	989.541
(2)		7.695	7.695	0.000	17546759	989.962	989.962
(3)		8.550	8.550	0.000	24316251	1036.713	1036.713
(4)		8.810	8.810	0.000	12438656	1042.721	1042.721
(5)		8.946	8.946	0.000	6471127	1040.620	1040.620
(6)		9.427	9.427	0.000	11214235	1017.195	1017.195

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	10.278	10.278	0.000	13667370	969.361	969.361
(8)	10.756	10.756	0.000	6533969	1036.575	1036.575
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	1.945	1.945	0.000	23175697	101.103	101.103
Decachlorobiphenyl(surr)	11.196	11.196	0.000	22998648	97.384	97.384

COMMENTS:

M = Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

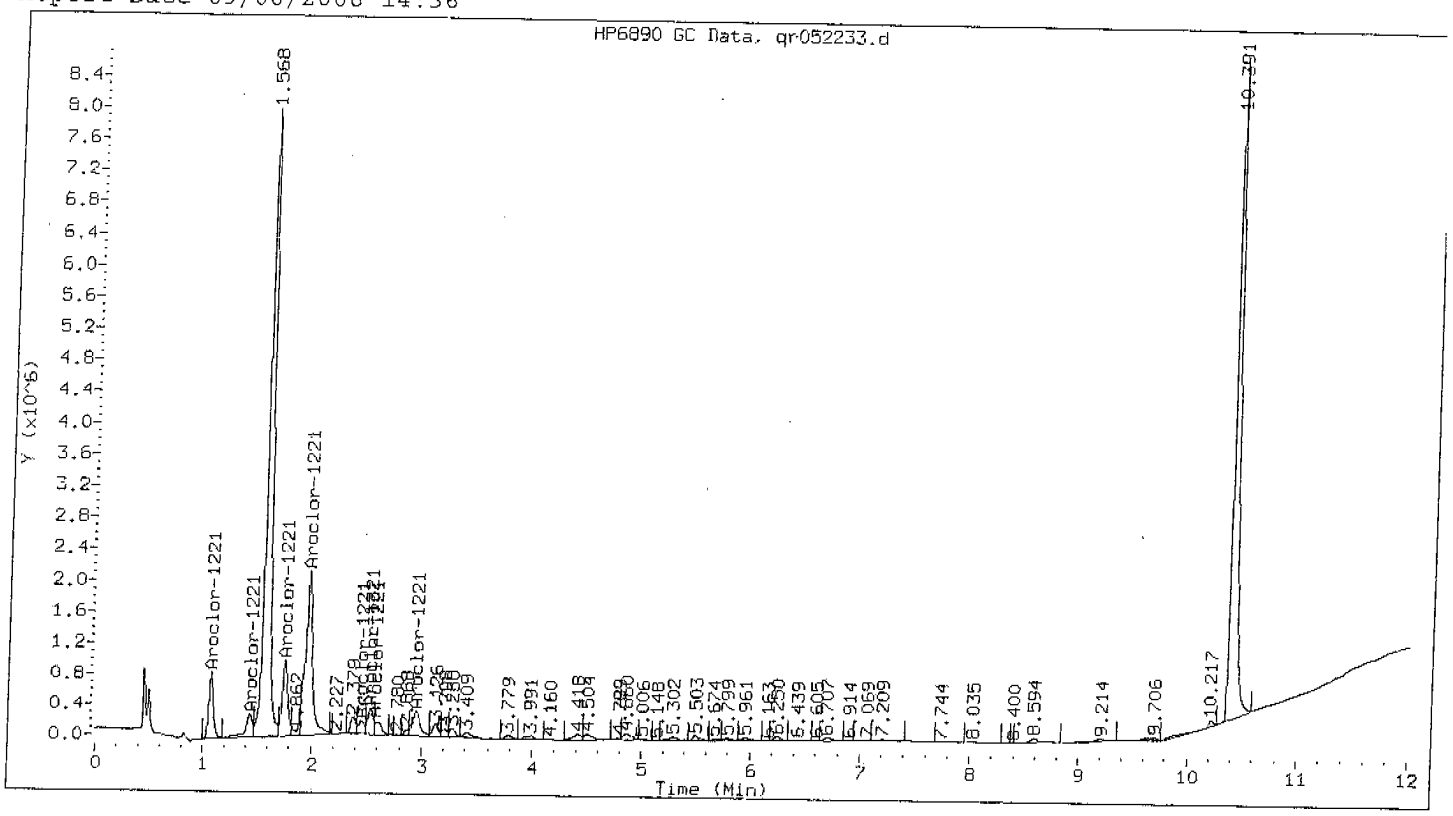
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052233.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2658.06
2	1263.36
3	3441.58
4	9621.68
5	621.38
6	1210.75
7	772.01
8	1554.12

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1221-1000 a
Lab ID : 1221-1000 a
Inj Date : 31-AUG-2006 17:30
Operator : 615
Cpnd Sublist: AR12210

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.069	1.069	0.000	2658056	1000.000	1000.000
(2)		1.434	1.434	0.000	1263358	1000.000	1000.000
(3)		1.754	1.754	0.000	3441582	1000.000	1000.000
(4)		1.964	1.964	0.000	9621685	1000.000	1000.000
(5)		2.452	2.452	0.000	621377	1000.000	1000.000
(6)		2.534	2.534	0.000	1210751	1000.000	1000.000
(7)		2.572	2.572	0.000	772009	1000.000	1000.000
(8)		2.950	2.950	0.000	1554121	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

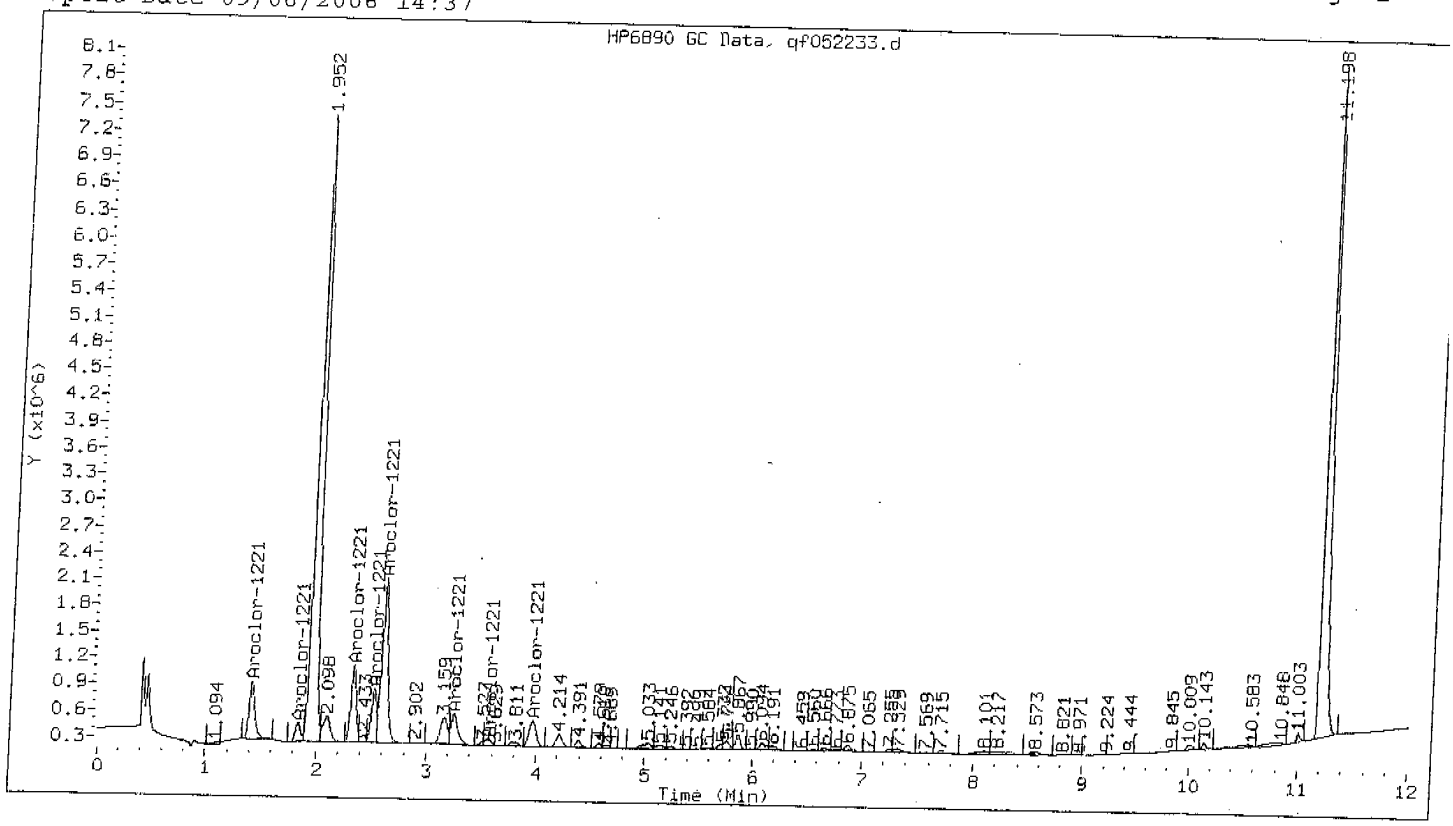
/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052233.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2311.90
2	677.13
3	2918.30
4	1899.88
5	7565.21
6	1679.00
7	336.46
8	1407.67

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052233.d Page 1
Report Date 09/06/2006 14:37



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1221-1000 a
Lab ID : 1221-1000 a
Inj Date : 31-AUG-2006 17:30
Operator : 615
Cpnd Sublist: AR12210

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1221	(M)	1.414	1.414	0.000	2311901	1000.000	1000.000
(2)		1.838	1.838	0.000	677126	1000.000	1000.000
(3)		2.329	2.329	0.000	2918298	1000.000	1000.000
(4)		2.516	2.516	0.000	1899878	1000.000	1000.000
(5)		2.599	2.599	0.000	7565209	1000.000	1000.000
(6)		3.250	3.250	0.000	1678998	1000.000	1000.000
(7)		3.567	3.567	0.000	336464	1000.000	1000.000
(8)		3.965	3.965	0.000	1407672	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

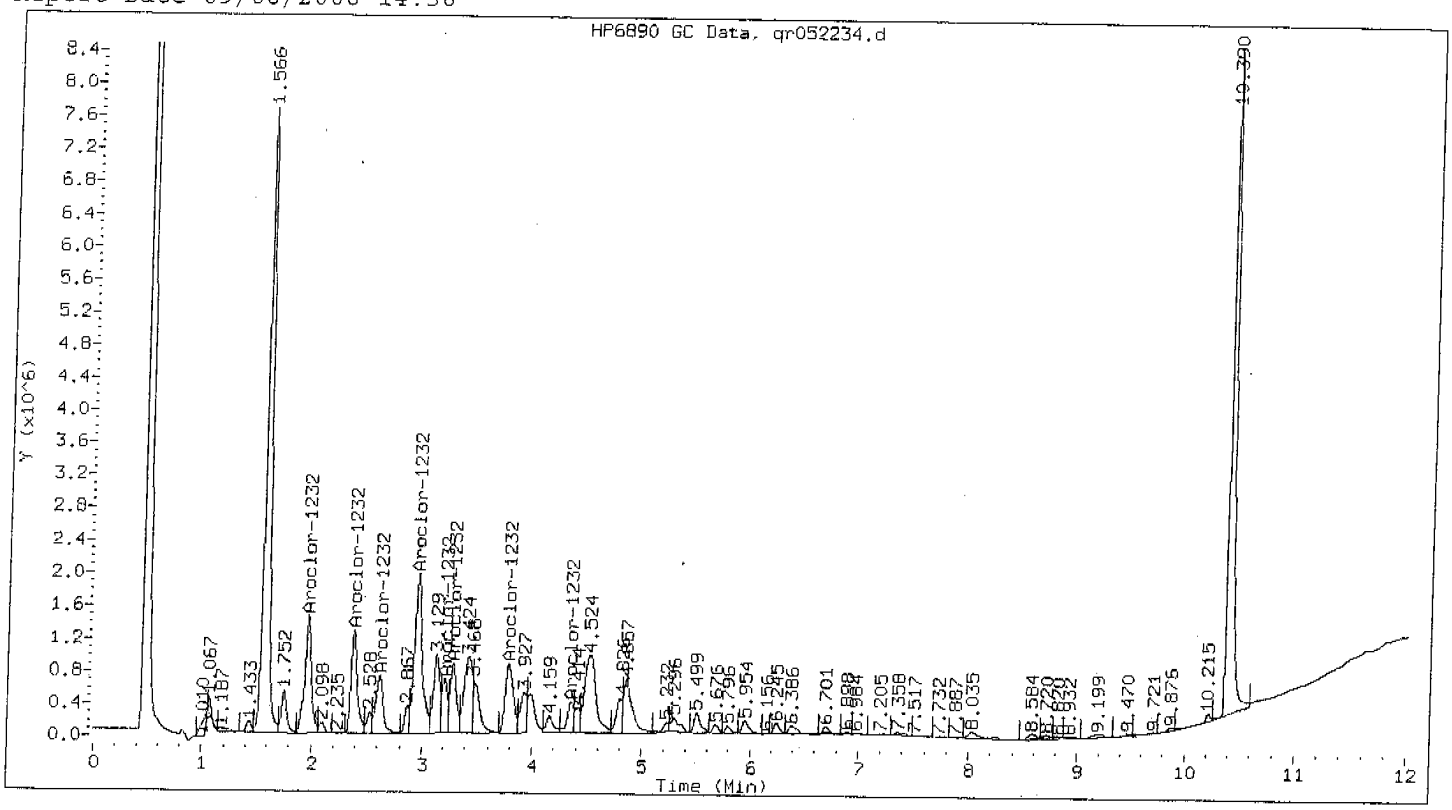
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052234.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	6089.70
2	5075.93
3	3310.64
4	9923.11
5	2244.86
6	3551.16
7	4448.76
8	1569.09

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1232-1000 a
Lab ID : 1232-1000 a
Inj Date : 31-AUG-2006 17:45
Operator : 615
Cpnd Sublist: AR12320

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	1.964	1.964	0.000	6089702	1000.000	1000.000
(2)		2.378	2.378	0.000	5075931	1000.000	1000.000
(3)		2.616	2.616	0.000	3310639	1000.000	1000.000
(4)		2.951	2.951	0.000	9923106	1000.000	1000.000
(5)		3.207	3.207	0.000	2244855	1000.000	1000.000
(6)		3.282	3.282	0.000	3551165	1000.000	1000.000
(7)		3.783	3.783	0.000	4448756	1000.000	1000.000
(8)		4.352	4.352	0.000	1569094	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

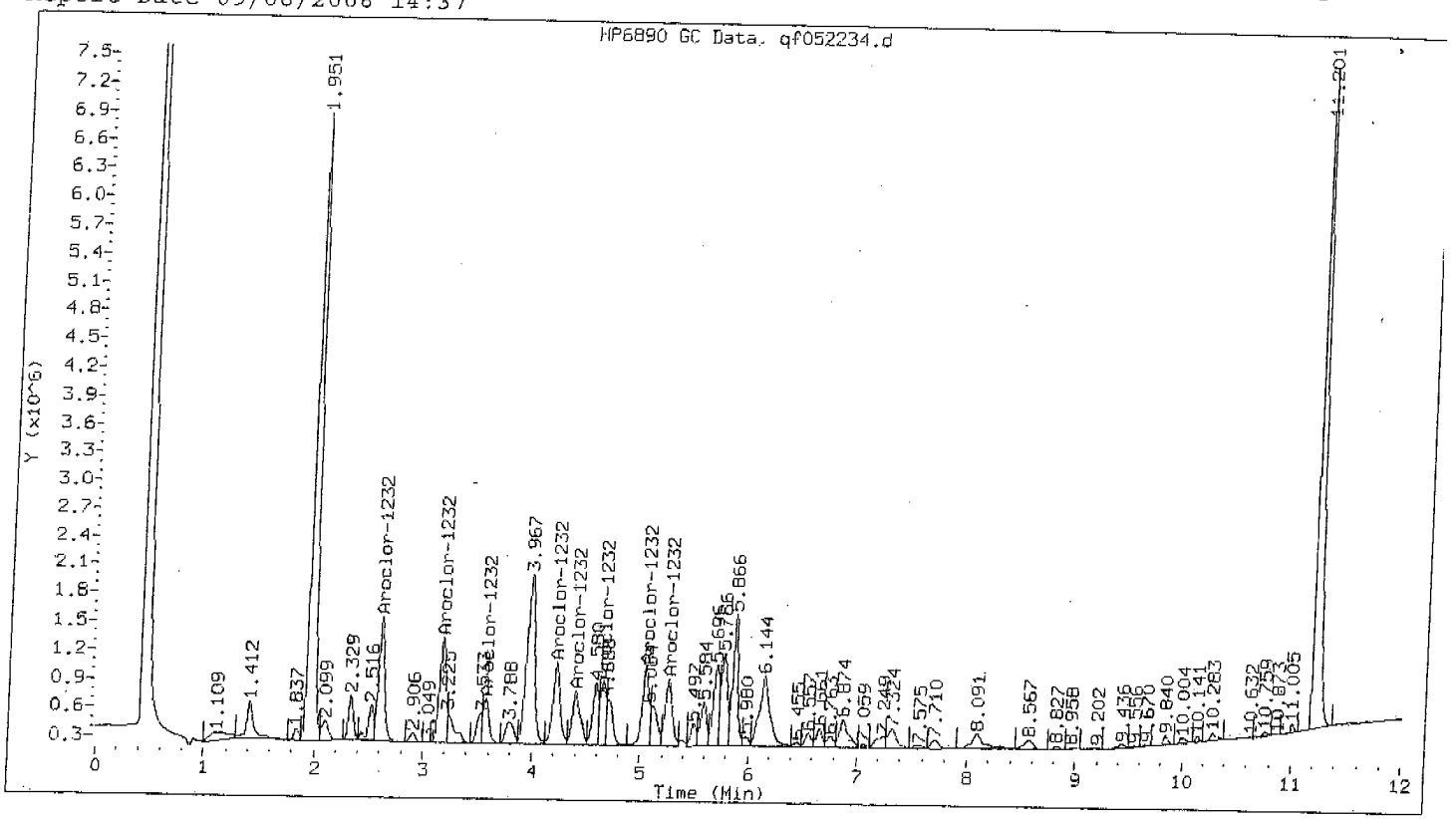
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052234.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	5096.51
2	4510.83
3	2005.58
4	3989.23
5	2906.23
6	2531.34
7	3342.50
8	3263.09

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1232-1000 a
Lab ID : 1232-1000 a
Inj Date : 31-AUG-2006 17:45
Operator : 615
Cpnd Sublist: AR12320

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	2.599	2.599	0.000	5096513	1000.000	1000.000
(2)		3.169	3.169	0.000	4510826	1000.000	1000.000
(3)		3.568	3.568	0.000	2005577	1000.000	1000.000
(4)		4.212	4.212	0.000	3989233	1000.000	1000.000
(5)		4.394	4.394	0.000	2906232	1000.000	1000.000
(6)		4.650	4.650	0.000	2531343	1000.000	1000.000
(7)		5.039	5.039	0.000	3342502	1000.000	1000.000
(8)		5.249	5.249	0.000	3263095	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 - Primary Column

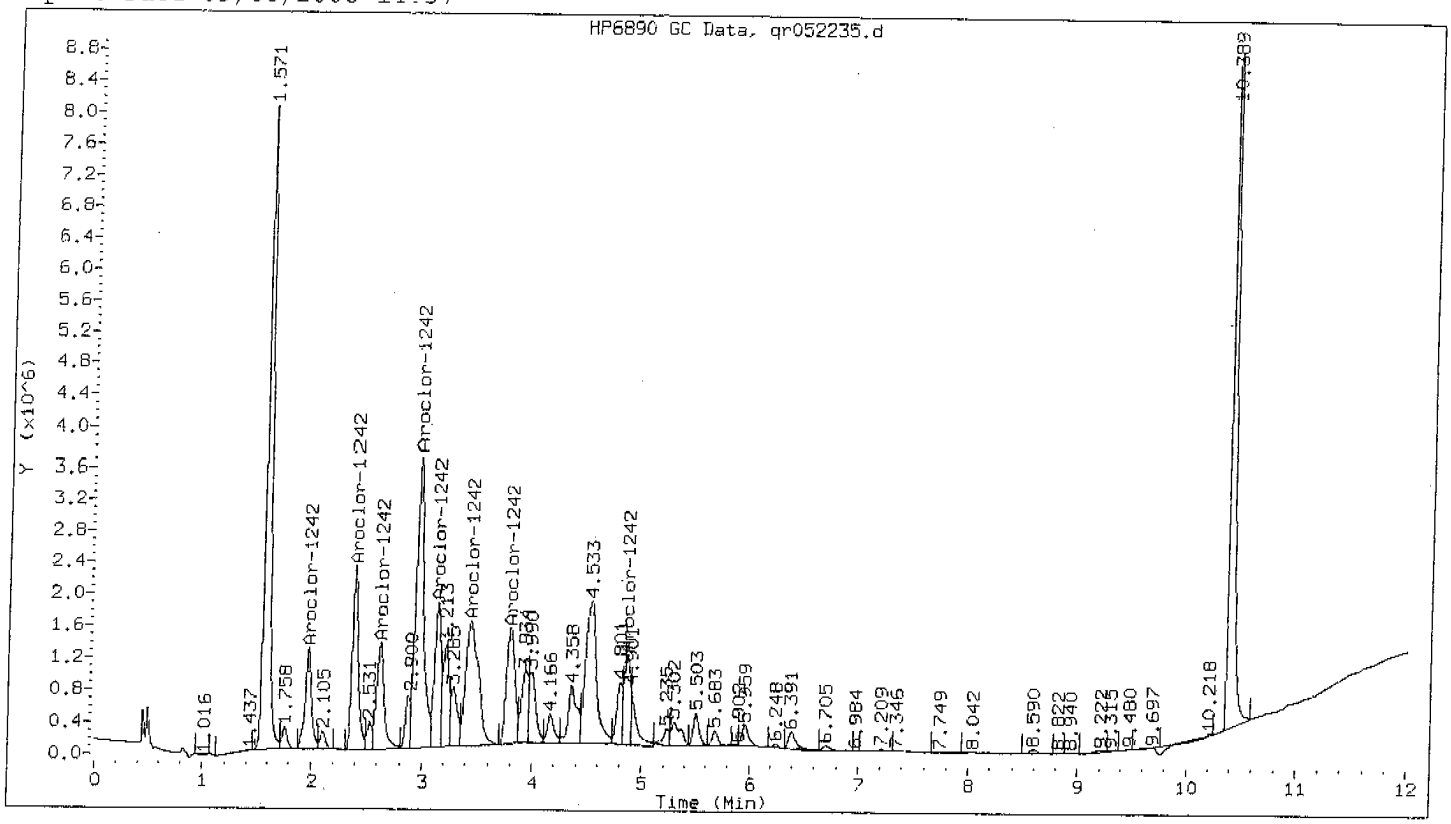
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052235.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	5246.95
2	9127.29
3	6372.65
4	18406.69
5	7411.19
6	12631.94
7	7667.23
8	4613.04

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1242-1000 a
Lab ID : 1242-1000 a
Inj Date : 31-AUG-2006 18:00
Operator : 615
Cpnd Sublist: AR12420

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242	(M)	1.970	1.970	0.000	5246948	1000.000	1000.000
(2)		2.384	2.384	0.000	9127294	1000.000	1000.000
(3)		2.623	2.623	0.000	6372651	1000.000	1000.000
(4)		2.956	2.956	0.000	18406689	1000.000	1000.000
(5)		3.135	3.135	0.000	7411185	1000.000	1000.000
(6)		3.434	3.434	0.000	12631937	1000.000	1000.000
(7)		3.789	3.789	0.000	7667226	1000.000	1000.000
(8)		4.862	4.862	0.000	4613042	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

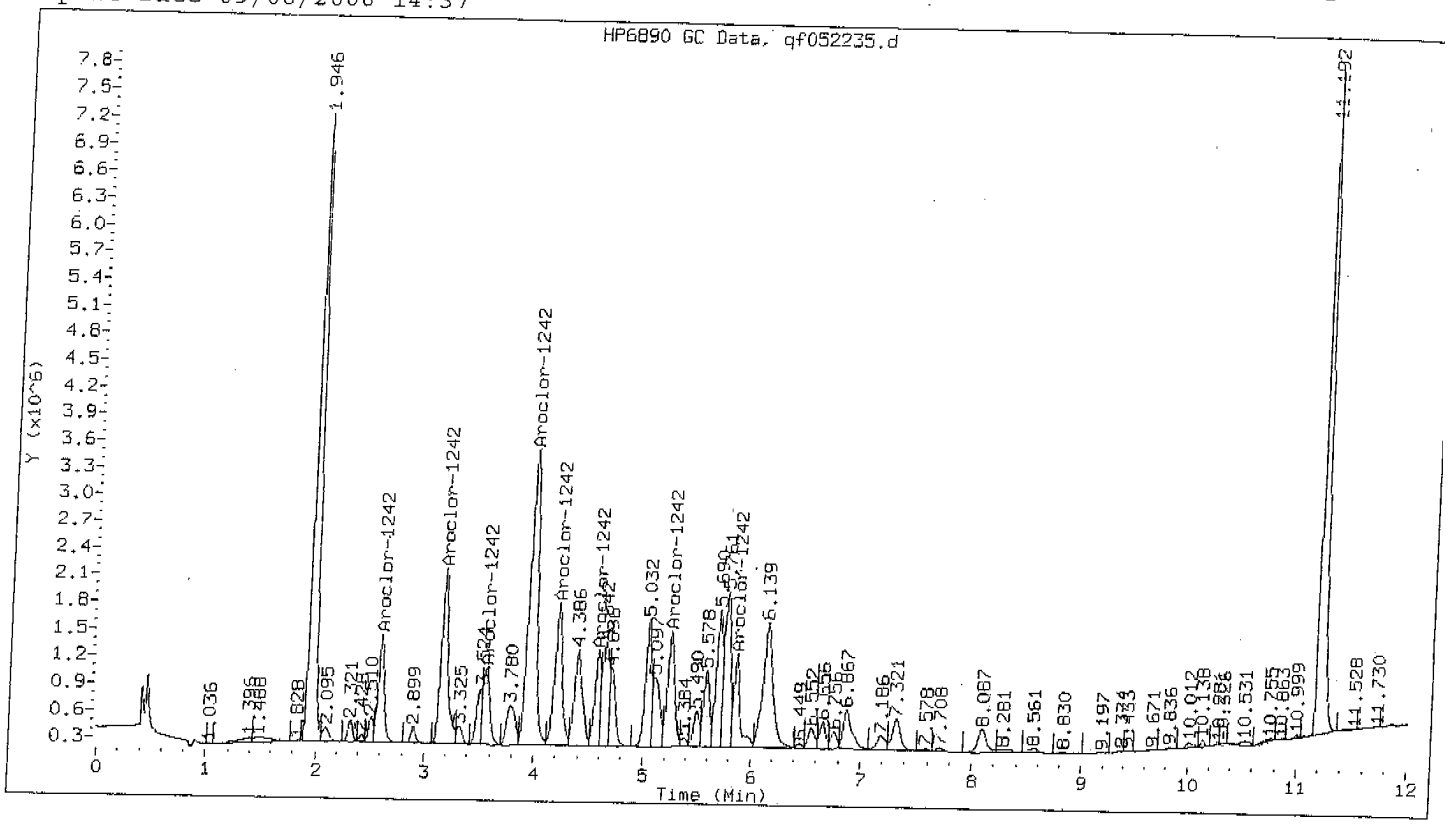
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052235.d

Compound		Midpoint Standard Response Factor
Aroclor-1242		4593.41
	2	8933.01
	3	3724.60
	4	17412.40
	5	7443.50
	6	3824.53
	7	6001.92
	8	4289.56

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1242-1000 a
Lab ID : 1242-1000 a
Inj Date : 31-AUG-2006 18:00
Operator : 615
Cpnd Sublist: AR12420

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242	(M)	2.592	2.592	0.000	4593410	1000.000	1000.000
(2)		3.162	3.162	0.000	8933014	1000.000	1000.000
(3)		3.558	3.558	0.000	3724598	1000.000	1000.000
(4)		3.959	3.959	0.000	17412402	1000.000	1000.000
(5)		4.205	4.205	0.000	7443503	1000.000	1000.000
(6)		4.573	4.573	0.000	3824534	1000.000	1000.000
(7)		5.243	5.243	0.000	6001919	1000.000	1000.000
(8)		5.860	5.860	0.000	4289562	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

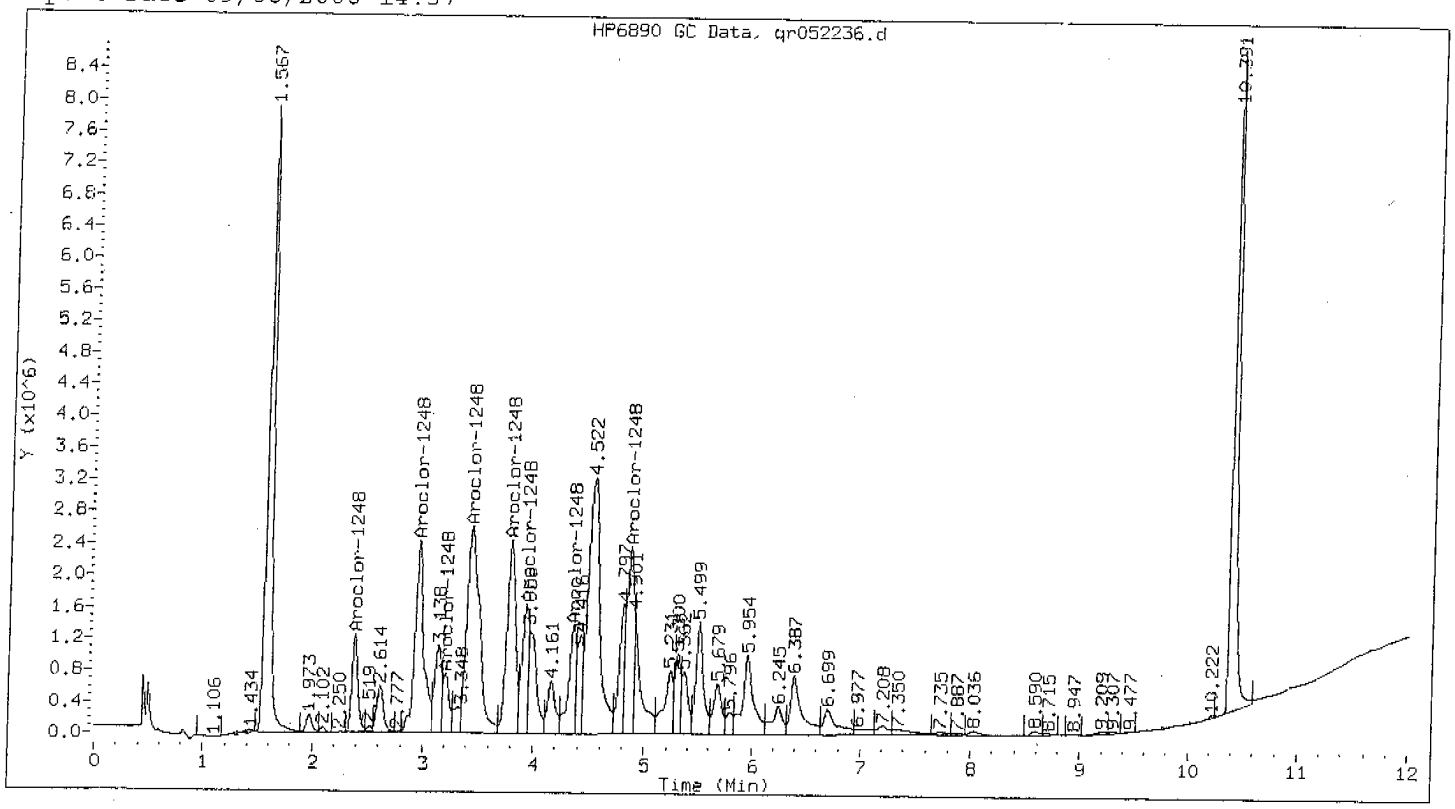
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052236.d

Compound		Midpoint Standard Response Factor
Aroclor-1248		4682.66
	2	13846.37
	3	2889.89
	4	21236.99
	5	13272.67
	6	6441.65
	7	6276.76
	8	10763.42

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1248-1000 a
Lab ID : 1248-1000 a
Inj Date : 31-AUG-2006 18:15
Operator : 615
Cpnd Sublist: AR12480

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	2.377	2.377	0.000	4682663	1000.000	1000.000
(2)		2.949	2.949	0.000	13846368	1000.000	1000.000
(3)		3.206	3.206	0.000	2889889	1000.000	1000.000
(4)		3.424	3.424	0.000	21236986	1000.000	1000.000
(5)		3.783	3.783	0.000	13272666	1000.000	1000.000
(6)		3.926	3.926	0.000	6441654	1000.000	1000.000
(7)		4.353	4.353	0.000	6276755	1000.000	1000.000
(8)		4.857	4.857	0.000	10763425	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

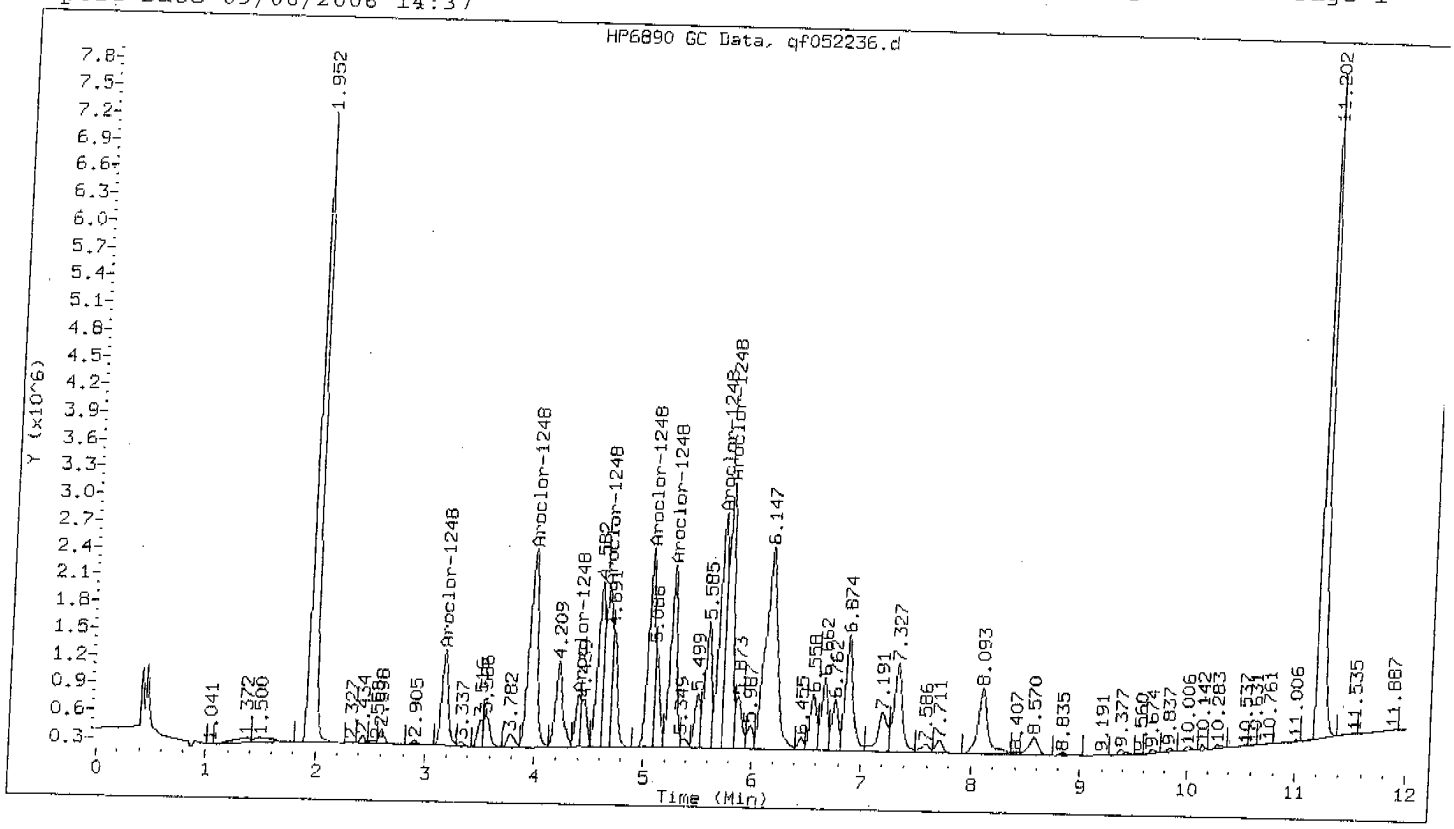
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/gf052236.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	4389.47
2	11441.02
3	1880.43
4	6918.46
5	8739.85
6	9074.31
7	9075.34
8	13382.72

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1248-1000 a
Lab ID : 1248-1000 a
Inj Date : 31-AUG-2006 18:15
Operator : 615
Cpnd Sublist: AR12480

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	3.167	3.167	0.000	4389470	1000.000	1000.000
(2)		3.965	3.965	0.000	11441023	1000.000	1000.000
(3)		4.396	4.396	0.000	1880431	1000.000	1000.000
(4)		4.651	4.651	0.000	6918462	1000.000	1000.000
(5)		5.040	5.040	0.000	8739847	1000.000	1000.000
(6)		5.250	5.250	0.000	9074308	1000.000	1000.000
(7)		5.697	5.697	0.000	9075339	1000.000	1000.000
(8)		5.767	5.767	0.000	13382719	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

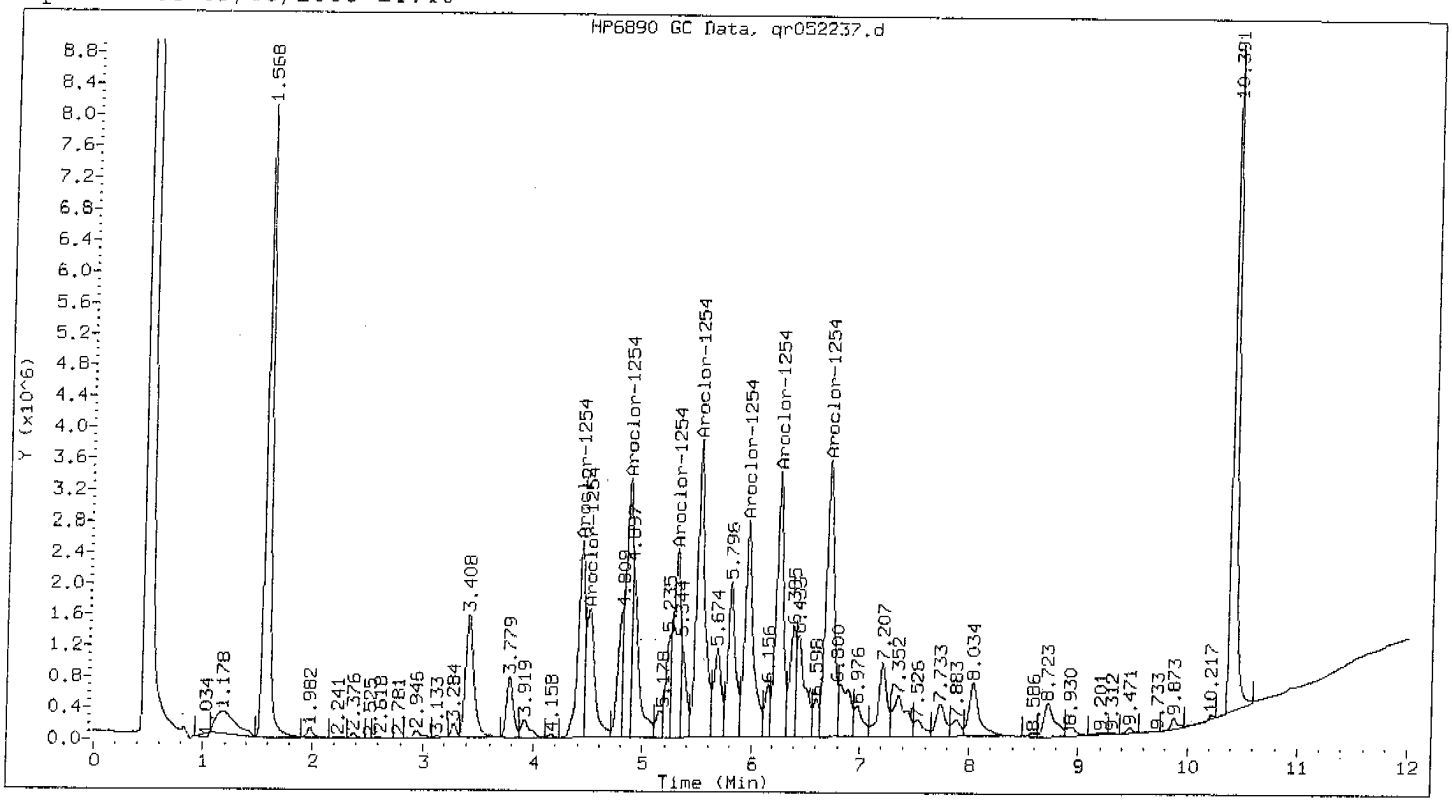
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052237.d

Compound	Midpoint Standard Response Factor
Aroclor-1254	11452.59
2	9494.78
3	14039.53
4	10519.31
5	20279.03
6	16319.92
7	16352.96
8	19839.33

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1254-1000 a
Lab ID : 1254-1000 a
Inj Date : 31-AUG-2006 18:31
Operator : 615
Cpnd Sublist: AR12540

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	4.422	4.422	0.000	11108298	1000.000	1000.000
(2)		4.497	4.497	0.000	9047971	1000.000	1000.000
(3)		4.858	4.858	0.000	13839429	1000.000	1000.000
(4)		5.298	5.298	0.000	10276220	1000.000	1000.000
(5)		5.499	5.499	0.000	19764756	1000.000	1000.000
(6)		5.953	5.953	0.000	15659148	1000.000	1000.000
(7)		6.246	6.246	0.000	15866598	1000.000	1000.000
(8)		6.700	6.700	0.000	19193258	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

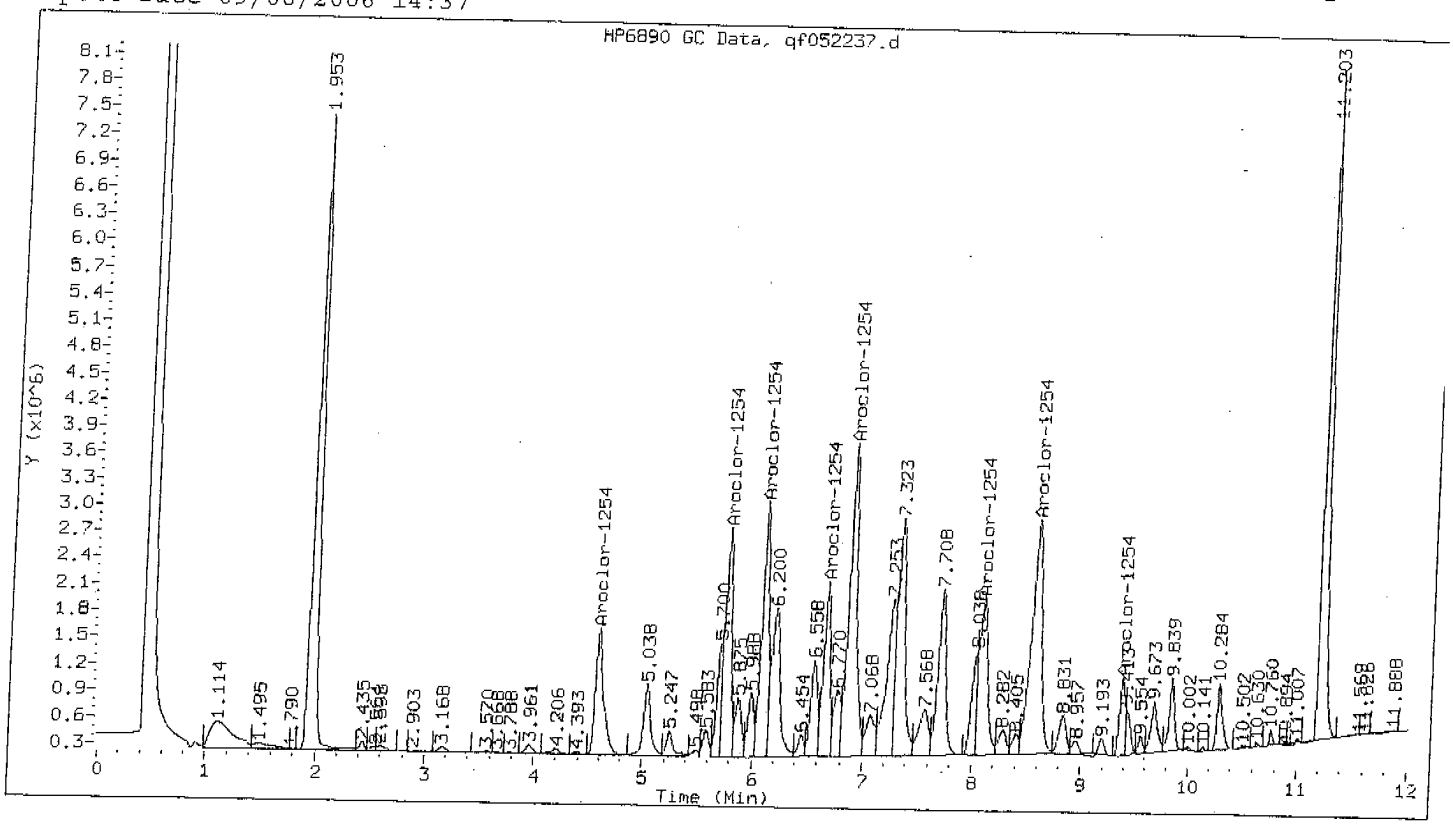
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052237.d

Compound		Midpoint Standard Response Factor
Aroclor-1254		7791.41
	2	11506.80
	3	12000.66
	4	8173.90
	5	17765.45
	6	9592.57
	7	17668.52
	8	3081.63

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1254-1000 a
Lab ID : 1254-1000 a
Inj Date : 31-AUG-2006 18:31
Operator : 615
Cpnd Sublist: AR12540

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	4.581	4.581	0.000	7791413	1000.000	1000.000
(2)		5.758	5.758	0.000	11506796	1000.000	1000.000
(3)		6.088	6.088	0.000	12000664	1000.000	1000.000
(4)		6.663	6.663	0.000	8173904	1000.000	1000.000
(5)		6.873	6.873	0.000	17765449	1000.000	1000.000
(6)		8.085	8.085	0.000	9592571	1000.000	1000.000
(7)		8.570	8.570	0.000	17668518	1000.000	1000.000
(8)		9.377	9.377	0.000	3081628	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

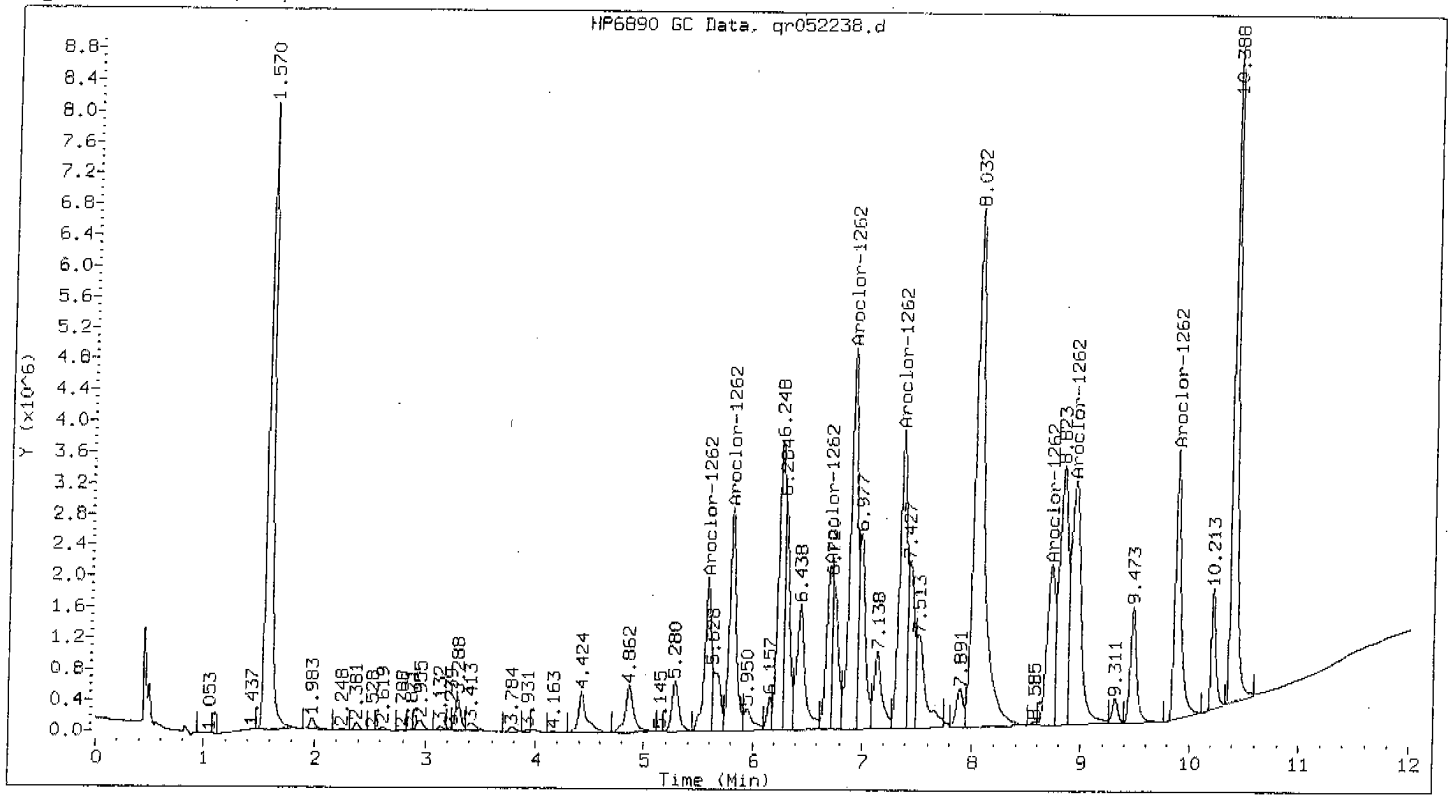
/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052238.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	8660.44
2	12836.17
3	7076.39
4	21466.40
5	16924.53
6	9974.46
7	21012.57
8	14089.50

Comments:

+ = Multi-component peak not used in calibration of compound.

Report Date 09/06/2006 14:37



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1262-1000 a
Lab ID : 1262-1000 a
Inj Date : 31-AUG-2006 18:45
Operator : 615
Cpnd Sublist: AR12620

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1262	(M)	5.573	5.573	0.000	8660439	1000.000	1000.000
(2)		5.797	5.797	0.000	12836165	1000.000	1000.000
(3)		6.699	6.699	0.000	7076391	1000.000	1000.000
(4)		6.899	6.899	0.000	21466401	1000.000	1000.000
(5)		7.355	7.355	0.000	16924532	1000.000	1000.000
(6)		8.720	8.720	0.000	9974457	1000.000	1000.000
(7)		8.932	8.932	0.000	21012571	1000.000	1000.000
(8)		9.873	9.873	0.000	14089496	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

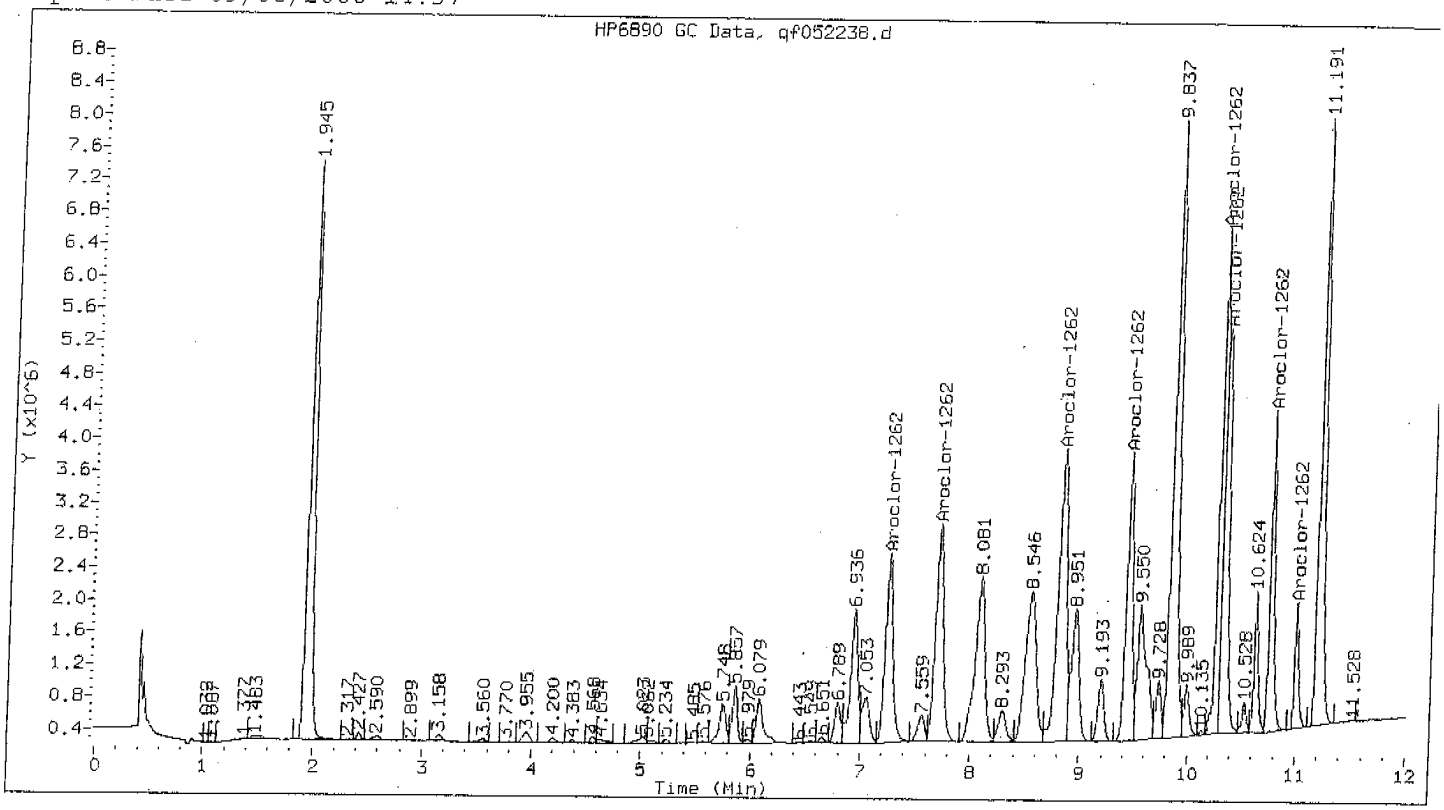
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052238.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	11356.72
2	13558.29
3	20478.79
4	14313.35
5	16339.25
6	18123.44
7	11367.96
8	3851.39

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1262-1000 a
Lab ID : 1262-1000 a
Inj Date : 31-AUG-2006 18:45
Operator : 615
Cpnd Sublist: AR12620

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	(M)	7.244	7.244	0.000	11356719	1000.000	1000.000
(2)		7.700	7.700	0.000	13558294	1000.000	1000.000
(3)		8.817	8.817	0.000	20478795	1000.000	1000.000
(4)		9.432	9.432	0.000	14313351	1000.000	1000.000
(5)		10.276	10.276	0.000	16339247	1000.000	1000.000
(6)		10.318	10.318	0.000	18123439	1000.000	1000.000
(7)		10.754	10.754	0.000	11367963	1000.000	1000.000
(8)		10.998	10.998	0.000	3851394	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

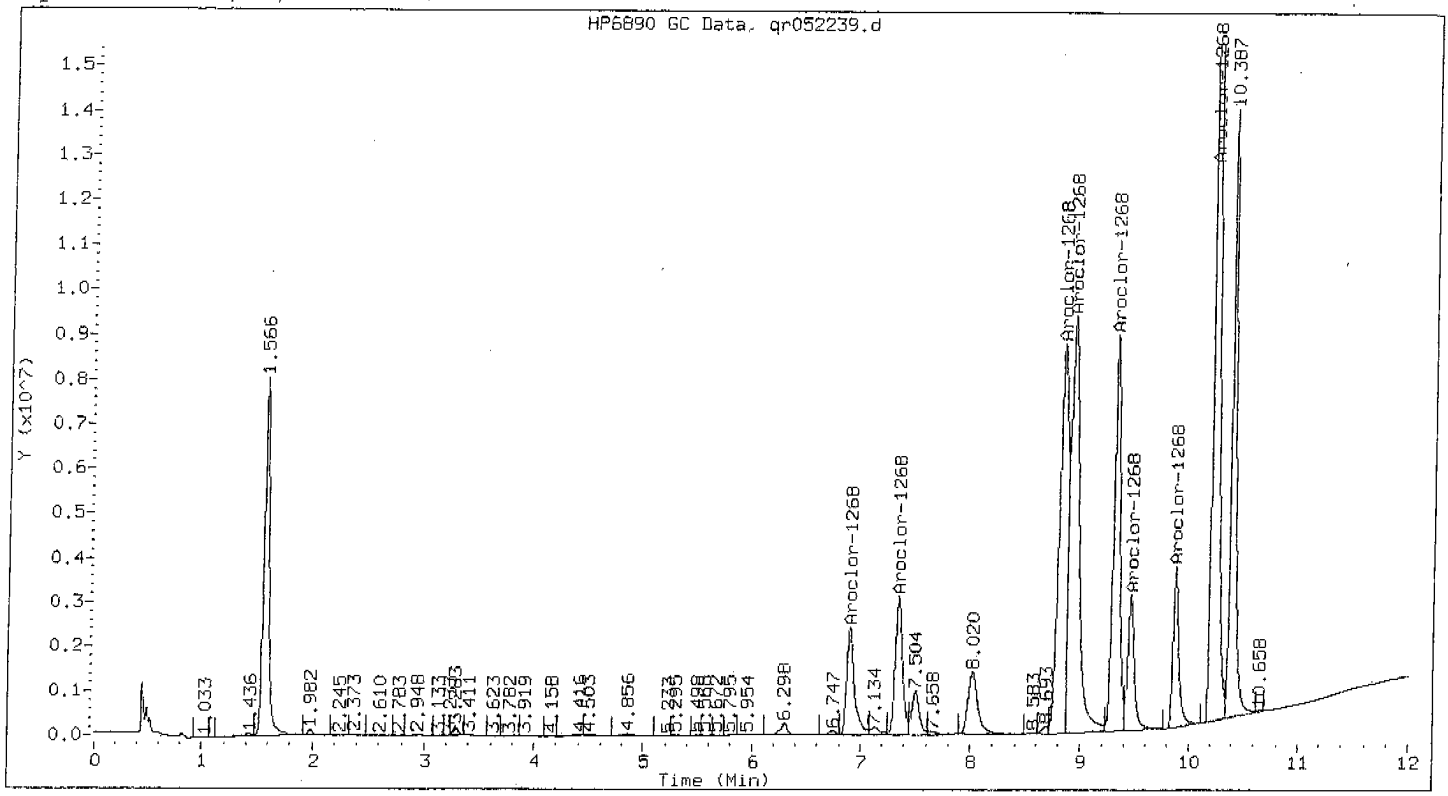
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052239.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	12170.75
2	14491.65
3	43218.16
4	57297.67
5	36927.84
6	12990.26
7	13922.99
8	82455.80

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/05Qr8082.m
Sample Info : 1268-1000 a
Lab ID : 1268-1000 a
Inj Date : 31-AUG-2006 19:01
Operator : 615
Cpnd Sublist: AR12680

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	(M)	6.900	6.900	0.000	12170745	1000.000	1000.000
(2)		7.344	7.344	0.000	14491645	1000.000	1000.000
(3)		8.824	8.824	0.000	43218160	1000.000	1000.000
(4)		8.918	8.918	0.000	57297668	1000.000	1000.000
(5)		9.313	9.313	0.000	36927841	1000.000	1000.000
(6)		9.458	9.458	0.000	12990265	1000.000	1000.000
(7)		9.871	9.871	0.000	13922993	1000.000	1000.000
(8)		10.213	10.213	0.000	82455798	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

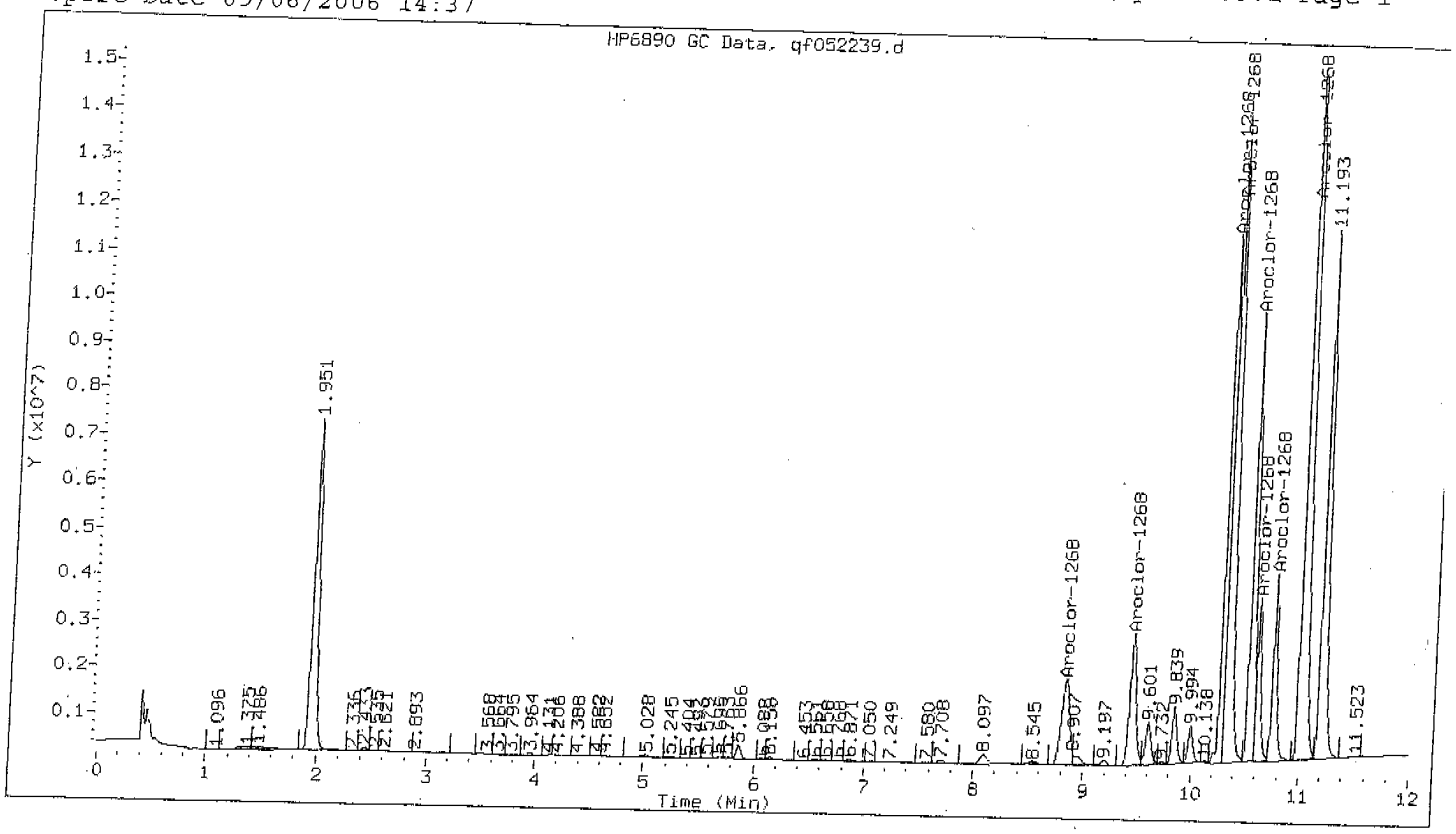
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052239.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	9884.28
2	11661.09
3	24523.51
4	47015.48
5	25124.17
6	10892.42
7	11262.34
8	65267.98

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/05Qf8082.m
Sample Info : 1268-1000 a
Lab ID : 1268-1000 a
Inj Date : 31-AUG-2006 19:01
Operator : 615
Cpnd Sublist: AR12680

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

9/11/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	(M)	8.827	8.827	0.000	9884282	1000.000	1000.000
(2)		9.443	9.443	0.000	11661092	1000.000	1000.000
(3)		10.276	10.276	0.000	24523510	1000.000	1000.000
(4)		10.318	10.318	0.000	47015484	1000.000	1000.000
(5)		10.533	10.533	0.000	25124172	1000.000	1000.000
(6)		10.608	10.608	0.000	10892421	1000.000	1000.000
(7)		10.755	10.755	0.000	11262336	1000.000	1000.000
(8)		11.000	11.000	0.000	65267979	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06b.b/qr052268.d
Method: /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06b.b/05Qr8082.m

Sample Information: 1660-1000 B
Injection Date: 01-SEP-2006 22:33

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.964	1000	1123.17	12.32
Aroclor-1016	2	2.378	1000	1088.27	8.83
Aroclor-1016	3	2.616	1000	1076.17	7.62
Aroclor-1016	4	2.950	1000	1118.39	11.84
Aroclor-1016	5	3.126	1000	1095.35	9.53
Aroclor-1016	6	3.206	1000	825.71	17.43<-
Aroclor-1016	7	3.780	1000	1106.97	10.70
Aroclor-1016	8	3.923	1000	1135.07	13.51
Aroclor-1260	1	5.791	1000	1070.98	7.10
Aroclor-1260	2	6.241	1000	1087.67	8.77
Aroclor-1260	3	6.691	1000	1167.36	16.74<-
Aroclor-1260	4	6.893	1000	1177.58	17.76<-
Aroclor-1260	5	7.349	1000	1099.45	9.94
Aroclor-1260	6	8.708	1000	1237.10	23.71<-
Aroclor-1260	7	8.926	1000	1083.09	8.31
Aroclor-1260	8	9.866	1000	1165.77	16.58<-

9/6/06

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.567	100	107.86	7.86
Decachlorobiphenyl(sur	10.387	100	99.46	0.54

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052228.d
Injection Date: 31-AUG-2006 16:13

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06b.b/qr052268.d
Injection Date: 01-SEP-2006 22:33

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.970	(1.900 - 2.040)	1.964	
	2.384	(2.314 - 2.454)	2.378	
	2.623	(2.553 - 2.693)	2.616	
	2.956	(2.886 - 3.026)	2.950	
	3.135	(3.065 - 3.205)	3.126	
	3.213	(3.143 - 3.283)	3.206	
	3.788	(3.718 - 3.858)	3.780	
	3.934	(3.864 - 4.004)	3.923	
Aroclor-1260	5.798	(5.728 - 5.868)	5.791	
	6.248	(6.178 - 6.318)	6.241	
	6.700	(6.630 - 6.770)	6.691	
	6.900	(6.830 - 6.970)	6.893	
	7.356	(7.286 - 7.426)	7.349	
	8.723	(8.653 - 8.793)	8.708	
	8.936	(8.866 - 9.006)	8.926	
	9.875	(9.805 - 9.945)	9.866	
Tetrachloro-m-xylene(surr)	1.571	(1.521 - 1.621)	1.567	
Decachlorobiphenyl(surr)	10.390	(10.290 - 10.490)	10.387	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06b.b/qf052268.d
Method: /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06b.b/05Qf8082.m

Sample Information: 1660-1000 B
Injection Date: 01-SEP-2006 22:33

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.600	1000	1057.47	5.75
Aroclor-1016	2	3.171	1000	1082.59	8.26
Aroclor-1016	3	3.569	1000	1195.28	19.53<-
Aroclor-1016	4	3.969	1000	1064.95	6.49
Aroclor-1016	5	4.213	1000	1091.38	9.14
Aroclor-1016	6	4.651	1000	1060.06	6.01
Aroclor-1016	7	5.039	1000	1046.63	4.66
Aroclor-1016	8	5.251	1000	1068.46	6.85
Aroclor-1260	1	7.252	1000	1024.54	2.45
Aroclor-1260	2	7.708	1000	1020.71	2.07
Aroclor-1260	3	8.563	1000	1075.36	7.54
Aroclor-1260	4	8.825	1000	1092.42	9.24
Aroclor-1260	5	8.958	1000	1081.45	8.15
Aroclor-1260	6	9.436	1000	1053.41	5.34
Aroclor-1260	7	10.281	1000	994.91	0.51
Aroclor-1260	8	10.759	1000	992.65	0.73

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.953	100	105.01	5.01
Decachlorobiphenyl(sur	11.199	100	97.62	2.38

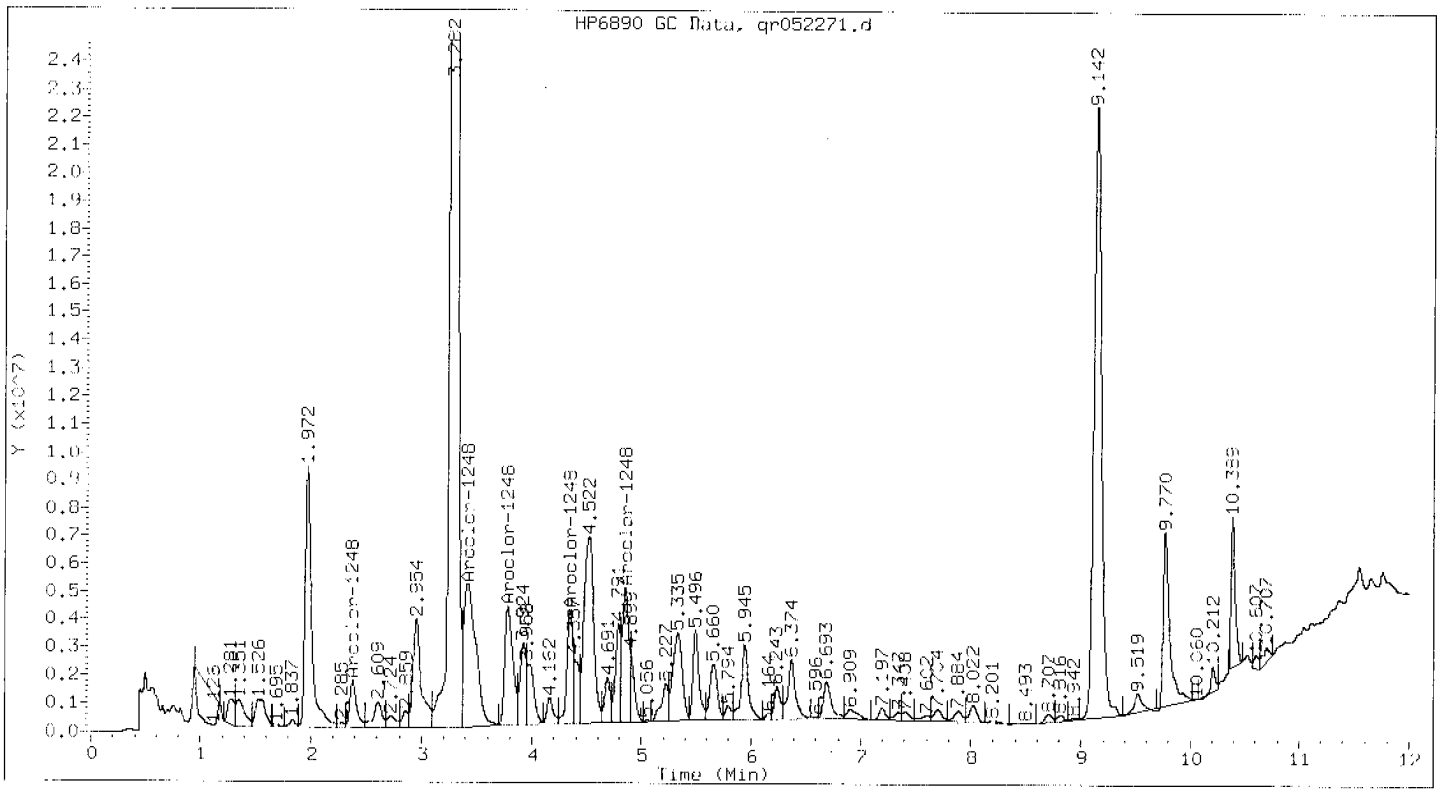
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052228.d
Injection Date: 31-AUG-2006 16:13

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06b.b/qf052268.d
Injection Date: 01-SEP-2006 22:33

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.590	(2.520 - 2.660)	2.600	
	3.159	(3.089 - 3.229)	3.171	
	3.554	(3.484 - 3.624)	3.569	
	3.954	(3.884 - 4.024)	3.969	
	4.200	(4.130 - 4.270)	4.213	
	4.636	(4.566 - 4.706)	4.651	
	5.027	(4.957 - 5.097)	5.039	
	5.238	(5.168 - 5.308)	5.251	
Aroclor-1260	7.240	(7.170 - 7.310)	7.252	
	7.695	(7.625 - 7.765)	7.708	
	8.550	(8.480 - 8.620)	8.563	
	8.810	(8.740 - 8.880)	8.825	
	8.946	(8.876 - 9.016)	8.958	
	9.427	(9.357 - 9.497)	9.436	
	10.278	(10.208 - 10.348)	10.281	
	10.756	(10.686 - 10.826)	10.759	
Tetrachloro-m-xylene(surr)	1.945	(1.895 - 1.995)	1.953	
Decachlorobiphenyl(surr)	11.196	(11.096 - 11.296)	11.199	



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06b.b/05Qr8082.m
Sample Info : 765439;3205568
Lab ID : 765439
Inj Date : 02-SEP-2006 00:31
Operator : 615
Cpnd Sublist: PCB8082+

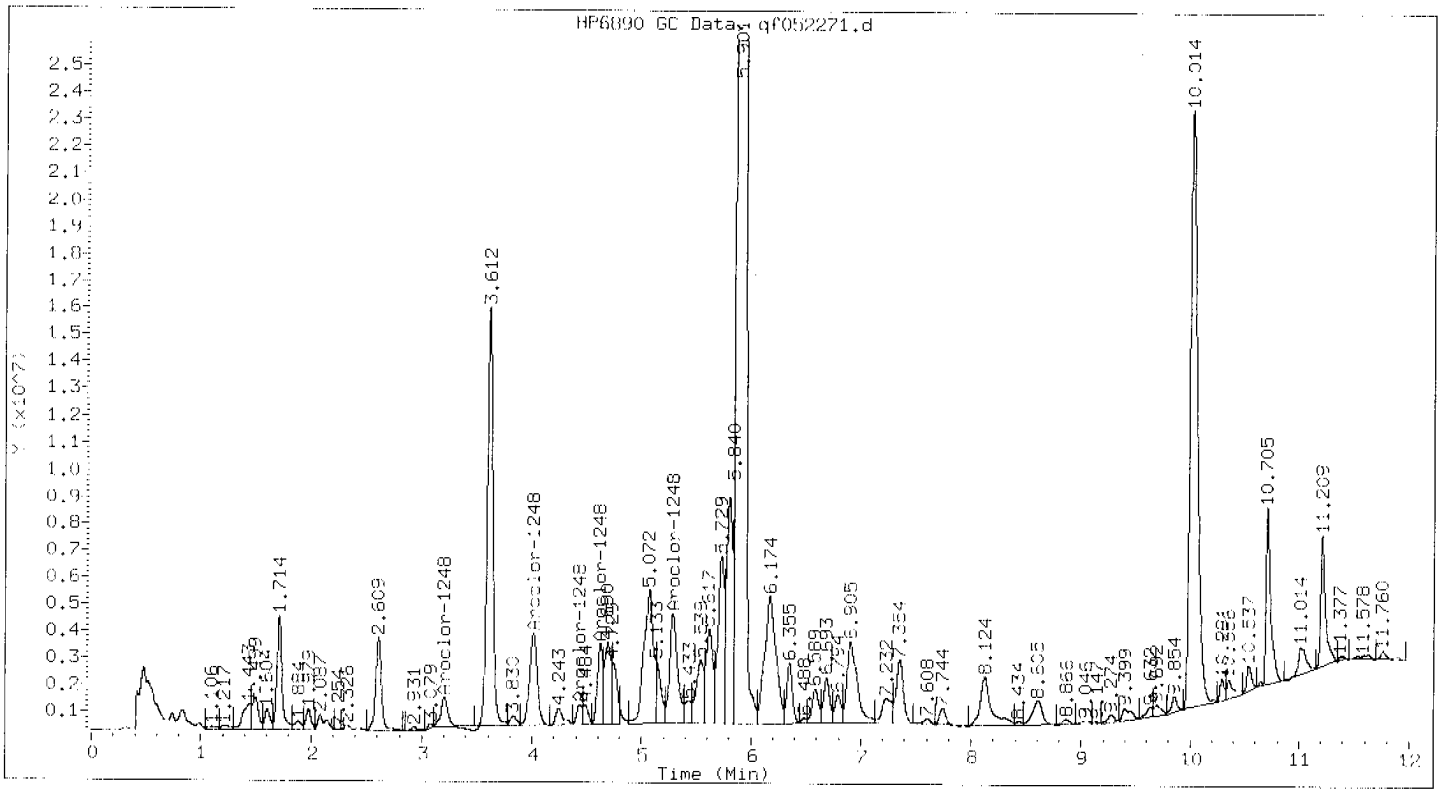
Inst ID : PESTGC8.i
Dil Factor : 10
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON COLUMN (ug/L)	FINAL (ug/kg)
Aroclor 1248	(M)	2.381	2.377	0.004	7081434	1512.266	11548.426
(2)		------	2.949	------		------	------ (*)
(3)			3.206		------		------ (*)
(4)		3.419	3.424	0.005	39444996	1857.373	14183.831
(5)		3.783	3.783	0.000	22216443	1673.849	12782.355
(6)			3.926		------		------ (*)
(7)		4.349	4.353	0.005	153905?0	2451.995	18724.664
(8)		4.854	4.857	0.003	19190668	1782.952	13615.516

Average of peak concentrations: 14000.00

COMMENTS:

* Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06b.b/05Qf8082.m
Sample Info : 765439;3205568
Lab ID : 765439
Inj Date : 02-SEP-2006 00:31
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 10
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)	
Aroclor-1248	(M)	3.204	3.167	0.036	4023110	916.537	6999.134	
(2)		4.012	3.965	0.047	16941366	1480.756	11307.799	
(3)		4.435	4.396	0.040	2639631	1403.737	10719.643	
(4)		4.620	4.651	0.030	10336906	1494.105	11409.734	
(5)		------	5.040	---	------	-----	--	(*)
(6)		5.285	5.250	0.035	20812187	2293.529	17514.539	
(7)		--	5.697	-----	----	------	-----	(*)
(8)		---	5.767	------	--	-----	------	(*)

Average of peak concentrations: 12000.00

COMMENTS:

* - Multicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06c.b/qr052288.d
Method: /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06c.b/05Qr8082.m

Sample Information: 1660-1000 C
Injection Date: 02-SEP-2006 04:54

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.964	1000	1132.72	13.27
Aroclor-1016	2	2.378	1000	1114.67	11.47
Aroclor-1016	3	2.616	1000	1089.84	8.98
Aroclor-1016	4	2.949	1000	1182.16	18.22<-
Aroclor-1016	5	3.126	1000	1154.83	15.48<-
Aroclor-1016	6	3.204	1000	1049.62	4.96
Aroclor-1016	7	3.779	1000	1140.05	14.01
Aroclor-1016	8	3.923	1000	1347.50	34.75<-
Aroclor-1260	1	5.792	1000	1083.46	8.35
Aroclor-1260	2	6.242	1000	1077.20	7.72
Aroclor-1260	3	6.693	1000	1118.48	11.85
Aroclor-1260	4	6.894	1000	1112.06	11.21
Aroclor-1260	5	7.351	1000	1053.74	5.37
Aroclor-1260	6	8.711	1000	1250.27	25.03<-
Aroclor-1260	7	8.928	1000	1121.82	12.18
Aroclor-1260	8	9.867	1000	1173.85	17.38<-

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.568	100	110.10	10.10
Decachlorobiphenyl(sur	10.380	100	101.64	1.64

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Aug06/08-31-06ical/31aug06a.b/qr052228.d
Injection Date: 31-AUG-2006 16:13

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Sep06/09-01-06/01sep06c.b/qr052288.d
Injection Date: 02-SEP-2006 04:54

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.970	(1.900 - 2.040)	1.964	
	2.384	(2.314 - 2.454)	2.378	
	2.623	(2.553 - 2.693)	2.616	
	2.956	(2.886 - 3.026)	2.949	
	3.135	(3.065 - 3.205)	3.126	
	3.213	(3.143 - 3.283)	3.204	
	3.788	(3.718 - 3.858)	3.779	
	3.934	(3.864 - 4.004)	3.923	
Aroclor-1260	5.798	(5.728 - 5.868)	5.792	
	6.248	(6.178 - 6.318)	6.242	
	6.700	(6.630 - 6.770)	6.693	
	6.900	(6.830 - 6.970)	6.894	
	7.356	(7.286 - 7.426)	7.351	
	8.723	(8.653 - 8.793)	8.711	
	8.936	(8.866 - 9.006)	8.928	
	9.875	(9.805 - 9.945)	9.867	
Tetrachloro-m-xylene(surr)	1.571	(1.521 - 1.621)	1.568	
Decachlorobiphenyl(surr)	10.390	(10.290 - 10.490)	10.380	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06c.b/qf052288.d
Method: /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06c.b/05Qf8082.m

Sample Information: 1660-1000 C
Injection Date: 02-SEP-2006 04:54

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.598	1000	1091.41	9.14
Aroclor-1016	2	3.167	1000	1099.05	9.91
Aroclor-1016	3	3.564	1000	1213.67	21.37<-
Aroclor-1016	4	3.964	1000	1112.39	11.24
Aroclor-1016	5	4.210	1000	1182.32	18.23<-
Aroclor-1016	6	4.648	1000	1141.66	14.17
Aroclor-1016	7	5.037	1000	1078.60	7.86
Aroclor-1016	8	5.248	1000	1107.51	10.75
Aroclor-1260	1	7.252	1000	1061.23	6.12
Aroclor-1260	2	7.707	1000	1057.80	5.78
Aroclor-1260	3	8.562	1000	1108.94	10.89
Aroclor-1260	4	8.824	1000	1121.19	12.12
Aroclor-1260	5	8.958	1000	1128.88	12.89
Aroclor-1260	6	9.436	1000	1096.32	9.63
Aroclor-1260	7	10.276	1000	1072.99	7.30
Aroclor-1260	8	10.742	1000	1028.58	2.86

9/6/06

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.952	100	109.16	9.16
Decachlorobiphenyl(sur	11.168	100	99.63	0.37

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Aug06/08-31-06ical/31aug06a.b/qf052228.d
Injection Date: 31-AUG-2006 16:13

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Sep06/09-01-06/01sep06c.b/qf052288.d
Injection Date: 02-SEP-2006 04:54

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.590	(2.520 - 2.660)	2.598	
	3.159	(3.089 - 3.229)	3.167	
	3.554	(3.484 - 3.624)	3.564	
	3.954	(3.884 - 4.024)	3.964	
	4.200	(4.130 - 4.270)	4.210	
	4.636	(4.566 - 4.706)	4.648	
	5.027	(4.957 - 5.097)	5.037	
	5.238	(5.168 - 5.308)	5.248	
Aroclor-1260	7.240	(7.170 - 7.310)	7.252	
	7.695	(7.625 - 7.765)	7.707	
	8.550	(8.480 - 8.620)	8.562	
	8.810	(8.740 - 8.880)	8.824	
	8.946	(8.876 - 9.016)	8.958	
	9.427	(9.357 - 9.497)	9.436	
	10.278	(10.208 - 10.348)	10.276	
	10.756	(10.686 - 10.826)	10.742	
Tetrachloro-m-xylene(surr)	1.945	(1.895 - 1.995)	1.952	
Decachlorobiphenyl(surr)	11.196	(11.096 - 11.296)	11.168	

Metals Forms and Data

Analytical Results Summary

Client ID: **B903-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765418
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.0	1.0		P
Barium	49.9	0.29		P
Beryllium	0.51	0.023		P
Cadmium	ND	0.11		P
Chromium	39.2	0.63		P
Copper	45.9	0.70		P
Lead	41.7	0.50		P
Mercury	0.16	0.019		CV
Nickel	160	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	68.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B903-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765419
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.8	1.0		P
Barium	60.5	0.29		P
Beryllium	0.59	0.023		P
Cadmium	ND	0.11		P
Chromium	46.2	0.63		P
Copper	43.7	0.70		P
Lead	49.9	0.50		P
Mercury	0.17	0.019		CV
Nickel	175	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	56.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B902-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765420
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 10.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	1.2	1.0		P
Barium	58.6	0.29		P
Beryllium	0.41	0.022	B	P
Cadmium	ND	0.11		P
Chromium	26.4	0.62		P
Copper	12.8	0.69		P
Lead	9.4	0.49		P
Mercury	0.03	0.019	B	CV
Nickel	118	0.87		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	30.1	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B902-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765421
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.6	1.0		P
Barium	39.1	0.30	B	P
Beryllium	0.85	0.023		P
Cadmium	ND	0.11		P
Chromium	30.4	0.64		P
Copper	24.0	0.71		P
Lead	8.5	0.50		P
Mercury	0.02	0.016	B	CV
Nickel	234	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	52.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B905-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765422
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.00	N	P
Arsenic	6.1	0.92		P
Barium	105	0.26		P
Beryllium	0.52	0.020		P
Cadmium	0.13	0.10	B	P
Chromium	34.8	0.57		P
Copper	37.0	0.63		P
Lead	121	0.45		P
Mercury	0.17	0.019		CV
Nickel	167	0.79		P
Selenium	ND	0.98		P
Silver	ND	0.24		P
Thallium	ND	0.98		P
Zinc	116	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B905-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765423
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.3	1.0		P
Barium	83.3	0.30		P
Beryllium	0.52	0.023		P
Cadmium	ND	0.11		P
Chromium	29.4	0.64		P
Copper	56.8	0.71		P
Lead	65.6	0.50		P
Mercury	0.24	0.019		CV
Nickel	149	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	130	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B901-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765424
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.9	0.99		P
Barium	59.4	0.29		P
Beryllium	0.50	0.022		P
Cadmium	ND	0.11		P
Chromium	29.7	0.62		P
Copper	29.3	0.68		P
Lead	61.1	0.49		P
Mercury	0.19	0.018		CV
Nickel	145	0.86		P
Selenium	ND	1.1		P
Silver	ND	0.26		P
Thallium	ND	1.1		P
Zinc	72.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B901-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765425
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.9	1.0		P
Barium	63.8	0.29		P
Beryllium	0.60	0.023		P
Cadmium	ND	0.11		P
Chromium	29.7	0.63		P
Copper	42.6	0.70		P
Lead	79.6	0.50		P
Mercury	0.29	0.019		CV
Nickel	130	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	57.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B904-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765426
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 14.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.7	1.1		P
Barium	58.6	0.30		P
Beryllium	0.56	0.023		P
Cadmium	ND	0.12		P
Chromium	37.5	0.65		P
Copper	39.2	0.72		P
Lead	85.2	0.51		P
Mercury	0.19	0.019		CV
Nickel	156	0.91		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	67.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B904-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 765427
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 13.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.7	1.0		P
Barium	57.6	0.30		P
Beryllium	0.53	0.023		P
Cadmium	ND	0.12		P
Chromium	37.3	0.65		P
Copper	36.2	0.72		P
Lead	82.8	0.51		P
Mercury	0.20	0.019		CV
Nickel	153	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	65.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B904-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765428
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.1	1.0		P
Barium	91.4	0.30		P
Beryllium	0.59	0.023		P
Cadmium	ND	0.11		P
Chromium	37.5	0.64		P
Copper	54.0	0.71		P
Lead	144	0.51		P
Mercury	0.17	0.019		CV
Nickel	174	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	99.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B101-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765429
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	3.6	1.1	N	P
Arsenic	10.2	1.0		P
Barium	213	0.30		P
Beryllium	0.44	0.023	B	P
Cadmium	ND	0.11		P
Chromium	84.0	0.64		P
Copper	121	0.71		P
Lead	290	0.51		P
Mercury	0.32	0.019		CV
Nickel	100	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	118	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B101-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765430
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.7	1.1	BN	P
Arsenic	9.6	1.0		P
Barium	127	0.30		P
Beryllium	0.49	0.023		P
Cadmium	ND	0.11		P
Chromium	84.5	0.64		P
Copper	76.2	0.71		P
Lead	317	0.50		P
Mercury	0.24	0.016		CV
Nickel	135	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	81.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B101-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765431
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.7	1.0		P
Barium	69.6	0.30		P
Beryllium	0.65	0.023		P
Cadmium	ND	0.11		P
Chromium	72.2	0.64		P
Copper	46.6	0.71		P
Lead	61.9	0.50		P
Mercury	0.06	0.019		CV
Nickel	156	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	86.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1401-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765432
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 13.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.0	N	P
Arsenic	70.4	0.94		P
Barium	81.8	0.27		P
Beryllium	0.57	0.021		P
Cadmium	ND	0.10		P
Chromium	49.7	0.59		P
Copper	46.7	0.65		P
Lead	172	0.46		P
Mercury	0.14	0.016		CV
Nickel	81.2	0.82		P
Selenium	ND	1.0		P
Silver	ND	0.25		P
Thallium	ND	1.0		P
Zinc	60.6	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1401-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765433
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	4.1	1.1		P
Barium	48.4	0.31		P
Beryllium	0.47	0.024		P
Cadmium	ND	0.12		P
Chromium	27.3	0.67		P
Copper	20.0	0.75		P
Lead	59.0	0.53		P
Mercury	0.28	0.020		CV
Nickel	57.0	0.94		P
Selenium	ND	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	75.1	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1402-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765434
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 6.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	9.2	0.96		P
Barium	114	0.28		P
Beryllium	0.25	0.021	B	P
Cadmium	0.11	0.11	B	P
Chromium	19.6	0.60		P
Copper	65.1	0.66		P
Lead	116	0.47		P
Mercury	0.06	0.018		CV
Nickel	18.5	0.84		P
Selenium	ND	1.0		P
Silver	ND	0.26		P
Thallium	ND	1.0		P
Zinc	79.2	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1402-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765435
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 16.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	4.2	1.1		P
Barium	51.2	0.31		P
Beryllium	0.69	0.024		P
Cadmium	ND	0.12		P
Chromium	51.1	0.67		P
Copper	28.2	0.74		P
Lead	10.9	0.53		P
Mercury	ND	0.017		CV
Nickel	224	0.93		P
Selenium	ND	1.1		P
Silver	ND	0.29		P
Thallium	ND	1.1		P
Zinc	56.1	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B102-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765436
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.6	1.1	N	P
Arsenic	5.4	1.0		P
Barium	153	0.29		P
Beryllium	0.43	0.022		P
Cadmium	ND	0.11		P
Chromium	70.9	0.63		P
Copper	55.5	0.70		P
Lead	126	0.49		P
Mercury	0.26	0.019		CV
Nickel	116	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	110	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B102-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765437
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.2	0.73		P
Barium	46.2	0.39		P
Beryllium	0.51	0.068		P
Cadmium	ND	0.091		P
Chromium	40.1	0.36	N*	P
Copper	23.8	0.84		P
Lead	22.8	0.61	*	P
Mercury	0.08	0.019		CV
Nickel	162	0.54	N	P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	40.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B102-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765438
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.8	1.4	N	P
Arsenic	6.5	0.75		P
Barium	48.6	0.40		P
Beryllium	0.81	0.071		P
Cadmium	1.8	0.094		P
Chromium	511	0.38	N*	P
Copper	41.6	0.87		P
Lead	182	0.64	*	P
Mercury	0.14	0.020		CV
Nickel	173	0.57	N	P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	685	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1403-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765439
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 12.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	12.5	0.73		P
Barium	139	0.39		P
Beryllium	0.50	0.069		P
Cadmium	0.62	0.092	B	P
Chromium	72.4	0.37	N*	P
Copper	159	0.85		P
Lead	305	0.62	*	P
Mercury	0.65	0.019		CV
Nickel	87.3	0.55	N	P
Selenium	ND	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	201	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1404-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765440
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.3	0.71		P
Barium	35.8	0.38	B	P
Beryllium	0.21	0.067	B	P
Cadmium	ND	0.089		P
Chromium	24.6	0.36	N*	P
Copper	7.7	0.82		P
Lead	3.3	0.60	*	P
Mercury	ND	0.018		CV
Nickel	12.8	0.53	N	P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	13.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1404-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765441
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	2.9	0.77		P
Barium	71.1	0.41		P
Beryllium	0.71	0.072		P
Cadmium	ND	0.096		P
Chromium	67.0	0.38	N*	P
Copper	20.4	0.89		P
Lead	7.9	0.65	*	P
Mercury	ND	0.020		CV
Nickel	273	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	57.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW2-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765442
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	11.6	0.77		P
Barium	102	0.41		P
Beryllium	1.4	0.072		P
Cadmium	ND	0.097		P
Chromium	113	0.39	N*	P
Copper	87.0	0.89		P
Lead	20.5	0.65	*	P
Mercury	ND	0.020		CV
Nickel	623	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	49.2	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW2-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765443
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 11.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.6	0.73		P
Barium	54.6	0.39		P
Beryllium	0.45	0.068		P
Cadmium	ND	0.091		P
Chromium	29.3	0.36	N*	P
Copper	17.6	0.84		P
Lead	6.3	0.61	*	P
Mercury	ND	0.016		CV
Nickel	218	0.54	N	P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	33.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B601-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765444
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	7.5	1.4	N	P
Arsenic	8.9	0.77		P
Barium	2280	0.41		P
Beryllium	0.47	0.072		P
Cadmium	5.0	0.097		P
Chromium	329	0.39	N*	P
Copper	50.5	0.89		P
Lead	2060	0.65	*	P
Mercury	0.60	0.020		CV
Nickel	84.4	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	152	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B801-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765445
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	4.1	0.78		P
Barium	64.8	0.41		P
Beryllium	0.75	0.073		P
Cadmium	ND	0.097		P
Chromium	54.7	0.39	N*	P
Copper	24.9	0.90		P
Lead	10.4	0.66	*	P
Mercury	ND	0.020		CV
Nickel	278	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	55.0	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B801-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765446
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 17.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	2.2	0.78		P
Barium	56.1	0.41		P
Beryllium	0.61	0.073		P
Cadmium	ND	0.097		P
Chromium	56.3	0.39	N*	P
Copper	17.3	0.90		P
Lead	7.7	0.66	*	P
Mercury	ND	0.017		CV
Nickel	265	0.58	N	P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	44.6	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B701-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765447
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 15.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	9.6	1.4	N	P
Arsenic	7.3	0.76		P
Barium	428	0.40		P
Beryllium	0.25	0.071	B	P
Cadmium	0.13	0.094	B	P
Chromium	45.0	0.38	N*	P
Copper	94.9	0.87		P
Lead	884	0.64	*	P
Mercury	0.76	0.020		CV
Nickel	75.3	0.57	N	P
Selenium	1.5	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	85.7	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B701-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765448
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 22.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.7	1.5	N	P
Arsenic	6.9	0.82		P
Barium	164	0.44		P
Beryllium	0.31	0.077	B	P
Cadmium	0.27	0.10	B	P
Chromium	45.0	0.41	N*	P
Copper	124	0.95		P
Lead	139	0.69	*	P
Mercury	0.28	0.018		CV
Nickel	203	0.62	N	P
Selenium	1.2	1.1	B	P
Silver	ND	0.36		P
Thallium	ND	1.2		P
Zinc	105	1.5		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B702-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765449
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.6	0.71		P
Barium	29.9	0.38	B	P
Beryllium	0.45	0.067		P
Cadmium	ND	0.089		P
Chromium	37.3	0.36	N*	P
Copper	16.1	0.82		P
Lead	14.3	0.60	*	P
Mercury	0.03	0.018	B	CV
Nickel	181	0.53	N	P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	45.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B702-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765450
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 9.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.5	0.70		P
Barium	27.0	0.37	B	P
Beryllium	0.33	0.066	B	P
Cadmium	ND	0.088		P
Chromium	26.3	0.35	N*	P
Copper	17.4	0.81		P
Lead	5.2	0.59	*	P
Mercury	ND	0.018		CV
Nickel	247	0.53	N	P
Selenium	ND	0.92		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	53.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW3-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765451
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	4.0	0.75		P
Barium	1320	0.40		P
Beryllium	0.14	0.071	B	P
Cadmium	0.09	0.094	B	P
Chromium	109	0.38	N*	P
Copper	52.8	0.87		P
Lead	970	0.64	*	P
Mercury	0.07	0.020		CV
Nickel	25.3	0.57	N	P
Selenium	1.1	0.99	B	P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	41.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW3-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765452
Lab Job No: W345

Date Sampled: 08/28/06
Date Received: 08/28/06

Matrix: SOLID
Level: LOW
% Moisture: 13.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	4.0	0.74		P
Barium	594	0.39		P
Beryllium	0.29	0.069	B	P
Cadmium	ND	0.092		P
Chromium	41.2	0.37	N*	P
Copper	25.4	0.85		P
Lead	75.4	0.62	*	P
Mercury	0.05	0.016		CV
Nickel	63.1	0.55	N	P
Selenium	ND	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	31.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _W345 Batch No.: 21224_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	4.9	U	4.9	U	4.9	U	4.9	U	0.490	U	P
Arsenic	4.5	U	4.5	U	4.5	U	4.5	U	0.450	U	P
Barium	2.0	B	1.3	U	1.3	U	1.4	B	0.167	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.050	U	P
Calcium											NR
Chromium	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Cobalt											NR
Copper	3.1	U	3.1	U	3.1	U	3.1	U	0.310	U	P
Iron											NR
Lead	2.2	U	2.2	U	2.2	U	2.2	U	0.220	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U	0.390	U	P
Potassium											NR
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	0.480	U	P
Silver	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Sodium											NR
Thallium	6.4	B	4.8	U	4.8	U	4.8	U	0.480	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W345 _____ Batch No.: 21224_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			4.9	U							P
Arsenic			4.5	U							P
Barium			1.3	U							P
Beryllium			0.2	B							P
Cadmium			0.5	U							P
Calcium											NR
Chromium			2.8	U							P
Cobalt											NR
Copper			3.1	U							P
Iron											NR
Lead			2.2	U							P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			3.9	U							P
Potassium											NR
Selenium			4.8	U							P
Silver			1.2	U							P
Sodium											NR
Thallium			4.8	U							P
Vanadium											NR
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W345 _____ Batch No.: 21224_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U							NR
Nickel											CV
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W345 _____ Batch No.: 21227_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	0.320	U	P
Barium	1.7	U	1.7	U	1.7	U	1.7	U	0.170	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium											NR
Chromium	1.6	U	1.6	U	1.6	U	1.6	U	0.160	U	P
Cobalt											NR
Copper	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Iron											NR
Lead	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	0.240	U	P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.140	U	P
Sodium											NR
Thallium	4.7	U	5.2	B	4.7	U	4.7	U	0.470	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W345 _____ Batch No.: 21227_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.8	U							P
Arsenic			3.2	U							P
Barium			1.7	U							P
Beryllium			0.3	U							P
Cadmium			0.4	U							P
Calcium											NR
Chromium			1.6	U							P
Cobalt											NR
Copper			3.7	U							P
Iron											NR
Lead			2.7	U							P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.4	U							P
Potassium											NR
Selenium			4.2	U							P
Silver			1.4	U							P
Sodium											NR
Thallium			4.7	U							P
Vanadium											NR
Zinc			5.8	U							P
Molybdenu											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W345 Batch No.: 21224_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	1025.74	102.6	1000.0	985.06	98.5	979.46	97.9	P
Arsenic	5000.0	5143.66	102.9	5000.0	4948.74	99.0	4937.47	98.7	P
Barium	10000.0	10414.02	104.1	10000.0	9990.02	99.9	10031.06	100.3	P
Beryllium	1000.0	1032.95	103.3	1000.0	993.26	99.3	994.70	99.5	P
Cadmium	2500.0	2559.10	102.4	2500.0	2463.98	98.6	2471.92	98.9	P
Calcium									NR
Chromium	5000.0	5167.20	103.3	5000.0	4974.15	99.5	4992.86	99.9	P
Cobalt									NR
Copper	12500.0	12894.97	103.2	12500.0	12386.14	99.1	12452.32	99.6	P
Iron									NR
Lead	10000.0	10272.59	102.7	10000.0	9908.51	99.1	9953.46	99.5	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.04	100.8	5.0	5.26	105.2	5.40	108.0	CV
Nickel	2500.0	2583.35	103.3	2500.0	2482.25	99.3	2489.19	99.6	P
Potassium									NR
Selenium	5000.0	5169.53	103.4	5000.0	4968.26	99.4	4977.20	99.5	P
Silver	1250.0	1293.43	103.5	1250.0	1242.80	99.4	1245.00	99.6	P
Sodium									NR
Thallium	5000.0	5170.30	103.4	5000.0	4969.92	99.4	4989.55	99.8	P
Vanadium									NR
Zinc	2500.0	2596.25	103.8	2500.0	2506.30	100.3	2514.91	100.6	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: W345 _____ Batch No.: 21224_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	936.06	93.6	976.00	97.6	P
Arsenic				5000.0	4725.79	94.5	4934.26	98.7	P
Barium				10000.0	9715.08	97.2	10019.96	100.2	P
Beryllium				1000.0	953.60	95.4	997.37	99.7	P
Cadmium				2500.0	2373.36	94.9	2489.35	99.6	P
Calcium									NR
Chromium				5000.0	4806.00	96.1	5018.12	100.4	P
Cobalt									NR
Copper				12500.0	12097.54	96.8	12479.98	99.8	P
Iron									NR
Lead				10000.0	9646.86	96.5	9999.45	100.0	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.40	108.0	5.34	106.8	CV
Nickel				2500.0	2389.24	95.6	2497.73	99.9	P
Potassium									NR
Selenium				5000.0	4806.61	96.1	4956.50	99.1	P
Silver				1250.0	1204.14	96.3	1243.04	99.4	P
Sodium									NR
Thallium				5000.0	4816.97	96.3	5021.40	100.4	P
Vanadium									NR
Zinc				2500.0	2404.73	96.2	2541.06	101.6	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W345 Batch No.: 21224_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.43	108.6	5.46	109.2	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W345 Batch No.: 21224_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.24	104.8			CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21227

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	988.67	98.9	1000.0	994.29	99.4	1008.48	100.8	P
Arsenic	5000.0	4991.63	99.8	5000.0	4994.35	99.9	5035.95	100.7	P
Barium	10000.0	10162.02	101.6	10000.0	10226.70	102.3	10104.77	101.0	P
Beryllium	1000.0	1009.34	100.9	1000.0	1004.14	100.4	1013.14	101.3	P
Cadmium	2500.0	2503.94	100.2	2500.0	2479.86	99.2	2513.89	100.6	P
Calcium									NR
Chromium	5000.0	5006.49	100.1	5000.0	5024.39	100.5	5048.50	101.0	P
Cobalt									NR
Copper	12500.0	12612.42	100.9	12500.0	12721.83	101.8	12564.90	100.5	P
Iron									NR
Lead	10000.0	10036.84	100.4	10000.0	10029.91	100.3	10192.04	101.9	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.04	100.8	5.0	5.32	106.4	5.51	110.2	CV
Nickel	2500.0	2494.76	99.8	2500.0	2497.48	99.9	2503.03	100.1	P
Potassium									NR
Selenium	5000.0	5024.28	100.5	5000.0	5020.64	100.4	5069.50	101.4	P
Silver	1250.0	1265.01	101.2	1250.0	1268.52	101.5	1260.84	100.9	P
Sodium									NR
Thallium	5000.0	5003.34	100.1	5000.0	5017.65	100.4	5026.36	100.5	P
Vanadium									NR
Zinc	7500.0	7373.87	98.3	7500.0	7384.26	98.5	7559.81	100.8	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21227

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	984.40	98.4	1038.59	103.9	P
Arsenic				5000.0	4984.52	99.7	5113.55	102.3	P
Barium				10000.0	10093.75	100.9	10272.22	102.7	P
Beryllium				1000.0	997.93	99.8	1030.12	103.0	P
Cadmium				2500.0	2469.70	98.8	2536.94	101.5	P
Calcium									NR
Chromium				5000.0	4988.92	99.8	5125.99	102.5	P
Cobalt									NR
Copper				12500.0	12576.60	100.6	12791.18	102.3	P
Iron									NR
Lead				10000.0	10018.54	100.2	10312.30	103.1	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.74	114.8	5.72	114.4	CV
Nickel				2500.0	2479.98	99.2	2527.08	101.1	P
Potassium									NR
Selenium				5000.0	5011.07	100.2	5131.57	102.6	P
Silver				1250.0	1255.40	100.4	1281.35	102.5	P
Sodium									NR
Thallium				5000.0	4997.06	99.9	5066.30	101.3	P
Vanadium									NR
Zinc				7500.0	7376.23	98.3	7680.95	102.4	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W345 Batch No.: 21227_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.70	114.0	5.74	114.8	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _W345 Batch No.: 21224_

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	492026	488863.7	97.8	498603	526230.5	105.2
Antimony		100		96.5	96.5		111.3	111.3
Arsenic		100		96.6	96.6		105.3	105.3
Barium		100		102.8	102.8		110.2	110.2
Beryllium		100		97.3	97.3		103.6	103.6
Cadmium		100		94.2	94.2		101.1	101.1
Calcium	500000	500000	472745	469105.2	93.8	474390	498923.0	99.8
Chromium		100		96.4	96.4		104.1	104.1
Cobalt		100		94.4	94.4		101.8	101.8
Copper		100		103.8	103.8		112.1	112.1
Iron	200000	200000	197189	195808.1	97.9	197096	208275.1	104.1
Lead		100		96.7	96.7		102.5	102.5
Magnesium	500000	500000	520379	517437.8	103.5	530610	560109.9	112.0
Manganese		100		96.1	96.1		104.0	104.0
Mercury								
Nickel		100		97.8	97.8		103.4	103.4
Potassium		10000		9883.1	98.8		10522.7	105.2
Selenium		100		88.1	88.1		98.3	98.3
Silver		100		101.6	101.6		107.3	107.3
Sodium		10000		10052.6	100.5		10690.8	106.9
Thallium		100		94.2	94.2		102.6	102.6
Vanadium		100		96.6	96.6		104.1	104.1
Zinc		100		94.3	94.3		101.9	101.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _W345 Batch No.: 21227_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	503410	483287.7	96.7	500327	489098.1	97.8
Antimony		100		103.1	103.1		94.4	94.4
Arsenic		100		95.5	95.5		95.1	95.1
Barium		100		102.6	102.6		102.3	102.3
Beryllium		100		99.0	99.0		98.9	98.9
Cadmium		100		94.6	94.6		94.8	94.8
Calcium	500000	500000	493762	477019.6	95.4	493783	482115.0	96.4
Chromium		100		100.0	100.0		100.4	100.4
Cobalt		100		96.4	96.4		96.6	96.6
Copper		100		101.0	101.0		101.2	101.2
Iron	200000	200000	201192	194826.5	97.4	201620	197081.3	98.5
Lead		100		96.1	96.1		95.9	95.9
Magnesium	500000	500000	525017	504947.9	101.0	528991	512659.6	102.5
Manganese		100		97.4	97.4		97.7	97.7
Mercury								
Nickel		100		97.6	97.6		98.9	98.9
Potassium		10000		8734.0	87.3		9153.7	91.5
Selenium		100		98.3	98.3		94.2	94.2
Silver		100		103.0	103.0		101.3	101.3
Sodium		10000		10760.8	107.6		10504.1	105.0
Thallium		100		90.8	90.8		88.4	88.4
Vanadium		100		101.8	101.8		101.3	101.3
Zinc		100		100.7	100.7		102.2	102.2

Spike Sample Recovery Summary

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS083006

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21224

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	49.0598		0.4900	U	50.00	98.1		P
Arsenic	75-125	196.2110		0.4500	U	200.00	98.1		P
Barium	75-125	193.0115		0.1666	B	200.00	96.4		P
Beryllium	75-125	4.8338		0.0100	U	5.00	96.7		P
Cadmium	75-125	5.0984		0.0500	U	5.00	102.0		P
Calcium									NR
Chromium	75-125	19.5917		0.2800	U	20.00	98.0		P
Cobalt									NR
Copper	75-125	23.4960		0.3100	U	25.00	94.0		P
Iron									NR
Lead	75-125	50.3030		0.2200	U	50.00	100.6		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1750		0.0167	U	0.17	102.9		CV
Nickel	75-125	48.4782		0.3900	U	50.00	97.0		P
Potassium									NR
Selenium	75-125	194.7724		0.4800	U	200.00	97.4		P
Silver	75-125	4.6277		0.1200	U	5.00	92.6		P
Sodium									NR
Thallium	75-125	201.2835		0.4800	U	200.00	100.6		P
Vanadium									NR
Zinc	75-125	48.1194		0.5800	U	50.00	96.2		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

765420MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21224

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	25.3227		1.0889	U	55.56	45.6	N	P
Arsenic	75-125	206.2056		1.1738		222.22	92.3		P
Barium	75-125	265.8976		58.5547		222.22	93.3		P
Beryllium	75-125	5.4527		0.4053	B	5.56	90.8		P
Cadmium	75-125	5.0276		0.1111	U	5.56	90.4		P
Calcium									NR
Chromium	75-125	53.4418		26.3971		22.22	121.7		P
Cobalt									NR
Copper	75-125	38.3567		12.7620		27.78	92.1		P
Iron									NR
Lead	75-125	62.8347		9.4107		55.56	96.2		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.2611		0.0311	B	0.19	121.1		CV
Nickel	75-125	177.9187		117.5982		55.56	108.6		P
Potassium									NR
Selenium	75-125	203.8089		1.0667	U	222.22	91.7		P
Silver	75-125	4.7191		0.2667	U	5.56	84.9		P
Sodium									NR
Thallium	75-125	207.4647		1.0667	U	222.22	93.4		P
Vanadium									NR
Zinc	75-125	82.8602		30.1442		55.56	94.9		P
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS083006

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21227

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	53.0250		0.5800	U	50.00	106.0		P
Arsenic	75-125	207.9665		0.3200	U	200.00	104.0		P
Barium	75-125	196.5818		0.1700	U	200.00	98.3		P
Beryllium	75-125	5.0454		0.0300	U	5.00	100.9		P
Cadmium	75-125	5.2795		0.0400	U	5.00	105.6		P
Calcium									NR
Chromium	75-125	20.2134		0.1600	U	20.00	101.1		P
Cobalt									NR
Copper	75-125	24.8175		0.3700	U	25.00	99.3		P
Iron									NR
Lead	75-125	53.0923		0.2700	U	50.00	106.2		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	75-125	50.2510		0.2400	U	50.00	100.5		P
Potassium									NR
Selenium	75-125	205.7832		0.4200	U	200.00	102.9		P
Silver	75-125	5.0327		0.1400	U	5.00	100.7		P
Sodium									NR
Thallium	75-125	208.0234		0.4700	U	200.00	104.0		P
Vanadium									NR
Zinc	75-125	51.6060		0.5800	U	50.00	103.2		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS083106

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21227

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1750		0.0167	U	0.17	102.9		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

765449MS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W345 Batch No.: 21227_

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	32.9150		1.2875	U	55.49	59.3	N	P
Arsenic	75-125	199.1194		1.6166		221.98	89.0		P
Barium	75-125	219.7125		29.9023	B	221.98	85.5		P
Beryllium	75-125	5.3287		0.4513		5.55	87.9		P
Cadmium	75-125	5.1103		0.0888	U	5.55	92.1		P
Calcium									NR
Chromium	75-125	48.8777		37.2755		22.20	52.3	N	P
Cobalt									NR
Copper	75-125	49.2850		16.1232		27.75	119.5		P
Iron									NR
Lead	75-125	70.9758		14.3090		55.49	102.1		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.2127		0.0270	B	0.18	103.2		CV
Nickel	75-125	196.9805		181.0408		55.49	28.7	N	P
Potassium									NR
Selenium	75-125	196.5778		0.9323	U	221.98	88.6		P
Silver	75-125	4.5636		0.3108	U	5.55	82.2		P
Sodium									NR
Thallium	75-125	198.2324		1.0433	U	221.98	89.3		P
Vanadium									NR
Zinc	75-125	93.4855		45.4926		55.49	86.5		P
Molybdenu									NR

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W345 Batch No.: 21224_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		66.2148		64.6896		2.3		P
Arsenic		76.5824		74.9120		2.2		P
Barium		151.7582		146.0484		3.8		P
Beryllium		136.8006		134.2846		1.9		P
Cadmium		224.5864		218.1618		2.9		P
Calcium								NR
Chromium		60.7696		60.2516		0.9		P
Cobalt								NR
Copper		125.3172		122.0872		2.6		P
Iron								NR
Lead		75.4458		73.6344		2.4		P
Magnesium								NR
Manganese								NR
Mercury		3.7417		3.4750		7.4		CV
Nickel		49.2410		48.3958		1.7		P
Potassium								NR
Selenium		81.6262		80.7996		1.0		P
Silver		76.7068		75.1452		2.1		P
Sodium								NR
Thallium		154.3828		149.4160		3.3		P
Vanadium								NR
Zinc		112.6204		111.0360		1.4		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

765420D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21224

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.0 % Solids for Duplicate: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.0889	U	1.0889	U			P
Arsenic	0.6	1.1738		1.4178		18.8		P
Barium	22.2	58.5547		61.8729		5.5		P
Beryllium	0.2	0.4053	B	0.4240	B	4.5		P
Cadmium		0.1111	U	0.1111	U			P
Calcium								NR
Chromium		26.3971		28.2347		6.7		P
Cobalt								NR
Copper	2.8	12.7620		13.9736		9.1		P
Iron								NR
Lead		9.4107		9.6544		2.6		P
Magnesium								NR
Manganese								NR
Mercury	0.0	0.0311	B	0.0500		46.6		CV
Nickel		117.5982		123.7971		5.1		P
Potassium								NR
Selenium		1.0667	U	1.0667	U			P
Silver		0.2667	U	0.2667	U			P
Sodium								NR
Thallium		1.0667	U	1.0667	U			P
Vanadium								NR
Zinc		30.1442		32.6758		8.1		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W345 Batch No.: 21227_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		70.4652		70.4340		0.0		P
Arsenic		75.9286		74.6660		1.7		P
Barium		147.3450		143.2954		2.8		P
Beryllium		136.7548		131.8748		3.6		P
Cadmium		226.3366		217.9408		3.8		P
Calcium								NR
Chromium		61.1824		59.6840		2.5		P
Cobalt								NR
Copper		125.4750		120.9056		3.7		P
Iron								NR
Lead		75.6010		72.9438		3.6		P
Magnesium								NR
Manganese								NR
Mercury		3.2667		3.4500		5.5		CV
Nickel		49.7184		48.7092		2.1		P
Potassium								NR
Selenium		81.2284		79.9924		1.5		P
Silver		76.4124		73.9584		3.3		P
Sodium								NR
Thallium		155.3964		148.1478		4.8		P
Vanadium								NR
Zinc		116.1434		112.0204		3.6		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

765449D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W345

Batch No.: 21227_

Matrix (soil/water): SOIL_

Level (low/med): _LOW__

% Solids for Sample: _90.1

% Solids for Duplicate: __90.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.2875	U	1.2875	U			P
Arsenic	0.6	1.6166		1.7865		10.0		P
Barium	22.2	29.9023	B	33.6812	B	11.9		P
Beryllium	0.2	0.4513		0.4666		3.3		P
Cadmium		0.0888	U	0.1041	B	200.0		P
Calcium								NR
Chromium		37.2755		29.2357		24.2	*	P
Cobalt								NR
Copper		16.1232		16.2504		0.8		P
Iron								NR
Lead		14.3090		18.3538		24.8	*	P
Magnesium								NR
Manganese								NR
Mercury	0.0	0.0270	B	0.0429		45.5		CV
Nickel		181.0408		190.8954		5.3		P
Potassium								NR
Selenium		0.9323	U	0.9323	U			P
Silver		0.3108	U	0.3108	U			P
Sodium								NR
Thallium		1.0433	U	1.0433	U			P
Vanadium								NR
Zinc		45.4926		47.1607		3.6		P
Molybdenu								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W345 Batch No.: 21224_

Solid LCS Source: ERA D048

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				77.5	66.2		3.9	173.0	85.4
Arsenic				80.9	76.6		64.5	97.3	94.7
Barium				156.0	151.8		128.0	184.0	97.3
Beryllium				143.0	136.8		117.0	169.0	95.7
Cadmium				233.0	224.6		188.0	277.0	96.4
Calcium									
Chromium				60.8	60.8		47.7	73.8	100.0
Cobalt									
Copper				131.0	125.3		108.0	154.0	95.6
Iron									
Lead				76.8	75.4		61.9	91.8	98.2
Magnesium									
Manganese									
Mercury				3.6	3.7		2.4	4.8	102.8
Nickel				49.6	49.2		40.4	58.8	99.2
Potassium									
Selenium				82.9	81.6		62.6	103.0	98.4
Silver				80.0	76.7		49.0	111.0	95.9
Sodium									
Thallium				158.0	154.4		119.0	197.0	97.7
Vanadium									
Zinc				116.0	112.6		90.5	141.0	97.1
Molybdenu									

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W345 Batch No.: 21227_

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				77.5	70.5		0.1	173.0	91.0
Arsenic				80.9	75.9		64.5	97.3	93.8
Barium				156.0	147.3		128.0	184.0	94.4
Beryllium				143.0	136.8		117.0	169.0	95.7
Cadmium				233.0	226.3		188.0	277.0	97.1
Calcium									
Chromium				60.8	61.2		47.7	73.8	100.7
Cobalt									
Copper				131.0	125.5		108.0	154.0	95.8
Iron									
Lead				76.8	75.6		61.9	91.8	98.4
Magnesium									
Manganese									
Mercury				3.6	3.3		2.4	4.8	91.7
Nickel				49.6	49.7		40.4	58.8	100.2
Potassium									
Selenium				82.9	81.2		62.6	103.0	97.9
Silver				80.0	76.4		49.0	111.0	95.5
Sodium									
Thallium				158.0	155.4		119.0	197.0	98.4
Vanadium									
Zinc				116.0	116.1		90.5	141.0	100.1
Molybdenu									

Serial Dilution Summary

LAB SAMPLE NO.

765420L ___

ICP SERIAL DILUTION

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W345 _____ Batch No.: 21224_

Matrix (soil/water): SOIL_ Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	4.90	U	24.50	U			P
Arsenic	5.28		22.50	U	100.0		P
Barium	263.50		265.61	B	0.8		P
Beryllium	1.82	B	1.76	B	3.3		P
Cadmium	0.50	U	2.50	U			P
Calcium							NR
Chromium	118.79		116.60		1.8		P
Cobalt							NR
Copper	57.43		55.20	B	3.9		P
Iron							NR
Lead	42.35		117.99		178.6		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	529.19		535.67		1.2		P
Potassium							NR
Selenium	4.80	U	24.00	U			P
Silver	1.20	U	6.00	U			P
Sodium							NR
Thallium	4.80	U	24.00	U			P
Vanadium							NR
Zinc	135.65		156.82		15.6		P

LAB SAMPLE NO.

765449L

ICP SERIAL DILUTION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W345 Batch No.: 21227

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	5.80	U	29.00	U			P
Arsenic	7.28		16.00	U	100.0		P
Barium	134.71	B	140.20	B	4.1		P
Beryllium	2.03		2.26	B	11.3		P
Cadmium	0.40	U	2.00	U			P
Calcium							NR
Chromium	167.93		174.84		4.1		P
Cobalt							NR
Copper	72.64		84.15	B	15.8		P
Iron							NR
Lead	64.46		69.52		7.8		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	815.59		836.72		2.6		P
Potassium							NR
Selenium	4.20	U	21.00	U			P
Silver	1.40	U	7.00	U			P
Sodium							NR
Thallium	4.70	U	23.50	U			P
Vanadium							NR
Zinc	204.94		213.45		4.2		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21224_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/30/06 End Date: 08/30/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1258																X								
STD02	1.00	1300																X								
STD03	1.00	1301																X								
STD04	1.00	1303																X								
STD05	1.00	1305																X								
STD06	1.00	1307																X								
ICV/ACCV	1.00	1309																X								
ICB/CCB	1.00	1310																X								
ZZZZZZ	1.00	1313																								
ZZZZZZ	1.00	1315																								
ZZZZZZ	5.00	1316																								
ZZZZZZ	5.00	1318																								
ZZZZZZ	1.00	1320																								
ZZZZZZ	1.00	1321																								
ZZZZZZ	1.00	1323																								
ZZZZZZ	1.00	1325																								
ZZZZZZ	1.00	1327																								
CCV	1.00	1329																X								
CCB	1.00	1330																X								
ZZZZZZ	1.00	1333																								
ZZZZZZ	1.00	1334																								
ZZZZZZ	1.00	1336																								
ZZZZZZ	1.00	1337																								
ZZZZZZ	1.00	1339																								
ZZZZZZ	1.00	1341																								
ZZZZZZ	1.00	1342																								
ZZZZZZ	1.00	1344																								
ZZZZZZ	1.00	1346																								
CCV	1.00	1347																X								
CCB	1.00	1350																X								
ZZZZZZ	1.00	1352																								
ZZZZZZ	1.00	1354																								

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21224_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/30/06 End Date: 08/30/06

Lab Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1356																													
ZZZZZZ	1.00	1358																													
ZZZZZZ	1.00	1400																													
ZZZZZZ	1.00	1402																													
ZZZZZZ	1.00	1403																													
ZZZZZZ	1.00	1405																													
CCV	1.00	1407																X													
CCB	1.00	1409																X													
BS083006	1.00	1410																X													
SS083006	1.00	1412																X													
LCSSD048	5.00	1414																X													
SSD048-D	5.00	1415																X													
765420	1.00	1417																X													
765420D	1.00	1419																X													
765420MS	1.00	1421																X													
ZZZZZZ	1.00	1422																													
ZZZZZZ	1.00	1424																													
CCV	1.00	1426																X													
CCB	1.00	1428																X													
765419	1.00	1429																X													
765421	1.00	1431																X													
765422	1.00	1434																X													
765423	1.00	1435																X													
765424	1.00	1437																X													
765425	1.00	1439																X													
765426	1.00	1441																X													
765427	1.00	1443																X													
765428	1.00	1445																X													
CCV	1.00	1447																X													
CCB	1.00	1449																X													
765429	1.00	1450																X													
765430	1.00	1452																X													

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21224_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/30/06 End Date: 08/30/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
765431	1.00	1454																X									
765432	1.00	1456																X									
765433	1.00	1458																X									
765434	1.00	1500																X									
765435	1.00	1502																X									
765436	1.00	1504																X									
CCV	1.00	1506																X									
CCB	1.00	1508																X									
765416	5.00	1509																X									
765418	1.00	1512																X									
CCV	1.00	1514																X									
CCB	1.00	1515																X									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21224_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 09/01/06 End Date: 09/01/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
2CAL-BLK	1.00	0239		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T2CAL1	1.00	0245		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2	1.00	0251		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	0257		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	0302		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV_	1.00	0308		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB_	1.00	0314		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	0320		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	0325		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	0331		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0337		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0343		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
SS083006	1.00	0349		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
BS083006	1.00	0355		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
LCSSD048	2.00	0400		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
SSD048-D	2.00	0406		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765420D_	2.00	0412		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	0418		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	0424		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765420	2.00	0429		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765420L_	2.00	0435		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765420MS	2.00	0441		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	2.00	0447		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
765416	2.00	0453		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765418	2.00	0458		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765419	2.00	0504		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765421	2.00	0510		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765422	2.00	0516		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765423	2.00	0522		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	0527		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	0533		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
765424	2.00	0539		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21224_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 09/01/06 End Date: 09/01/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
765425	2.00	0545			X	X	X	X	X		X		X		X				X		X	X		X		X	
765426	2.00	0551			X	X	X	X	X		X		X		X				X		X	X		X		X	
765427	2.00	0556			X	X	X	X	X		X		X		X				X		X	X		X		X	
765428	2.00	0602			X	X	X	X	X		X		X		X				X		X	X		X		X	
765429	2.00	0608			X	X	X	X	X		X		X		X				X		X	X		X		X	
765430	2.00	0614			X	X	X	X	X		X		X		X				X		X	X		X		X	
765431	2.00	0620			X	X	X	X	X		X		X		X				X		X	X		X		X	
765432	2.00	0625			X	X	X	X	X		X		X		X				X		X	X		X		X	
765433	2.00	0631			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0637			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0643			X	X	X	X	X		X		X		X				X		X	X		X		X	
765434	2.00	0649			X	X	X	X	X		X		X		X				X		X	X		X		X	
765435	2.00	0654			X	X	X	X	X		X		X		X				X		X	X		X		X	
765436	2.00	0700			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	0706			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	0712			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0718			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0724			X	X	X	X	X		X		X		X				X		X	X		X		X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21227_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1245																X									
STD02	1.00	1246																X									
STD03	1.00	1248																X									
STD04	1.00	1250																X									
STD05	1.00	1252																X									
STD06	1.00	1254																X									
ICV/ACCV	1.00	1256																X									
ICB/CCB_	1.00	1258																X									
BS083106	1.00	1300																X									
SS083106	1.00	1301																X									
LCSSD048	5.00	1303																X									
SSD048-D	5.00	1305																X									
765449	1.00	1307																X									
765449D_	1.00	1309																X									
765449MS	1.00	1310																X									
CCV	1.00	1312																X									
CCB	1.00	1314																X									
765437	1.00	1315																X									
765438	1.00	1317																X									
765439	1.00	1319																X									
765440	1.00	1321																X									
765441	1.00	1323																X									
765442	1.00	1324																X									
765443	1.00	1326																X									
CCV	1.00	1328																X									
CCB	1.00	1329																X									
765444	1.00	1331																X									
765445	1.00	1333																X									
765446	1.00	1335																X									
765447	1.00	1337																X									
765448	1.00	1338																X									
765450	1.00	1340																X									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21227_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
765451	1.00	1342																X									
765452	1.00	1344																X									
CCV	1.00	1345																X									
CCB	1.00	1348																X									
ZZZZZZ	1.00	1349																									
ZZZZZZ	1.00	1351																									
ZZZZZZ	5.00	1352																									
ZZZZZZ	5.00	1354																									
ZZZZZZ	1.00	1356																									
ZZZZZZ	1.00	1358																									
ZZZZZZ	1.00	1400																									
ZZZZZZ	1.00	1402																									
ZZZZZZ	1.00	1404																									
CCV	1.00	1406																X									
CCB	1.00	1408																X									
ZZZZZZ	1.00	1410																									
ZZZZZZ	1.00	1412																									
ZZZZZZ	1.00	1414																									
ZZZZZZ	1.00	1415																									
ZZZZZZ	1.00	1417																									
ZZZZZZ	1.00	1419																									
ZZZZZZ	1.00	1421																									
ZZZZZZ	1.00	1422																									
ZZZZZZ	1.00	1424																									
CCV	1.00	1426																X									
CCB	1.00	1428																X									
ZZZZZZ	1.00	1430																									
ZZZZZZ	1.00	1431																									
ZZZZZZ	1.00	1433																									
ZZZZZZ	1.00	1435																									
ZZZZZZ	1.00	1437																									
ZZZZZZ	1.00	1439																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21227_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1440																												
ZZZZZZ	1.00	1442																												
CCV	1.00	1444																X												
CCB	1.00	1446																X												

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21227_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/02/06 End Date: 09/03/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO			
3CAL-BLK	1.00	2220		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X			
T3CAL1	1.00	2225		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X			
T3CAL2	1.00	2231		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X			
T3CAL3	1.00	2237		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	2242		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ICV/CCV	1.00	2248		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICB/CCB	1.00	2253		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICSA	1.00	2259		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICSAB	1.00	2305		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ZZZZZZ	1.00	2310		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	2316		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	2321		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	2327		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	2333		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	2338		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	2344		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	2349		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
CCV	1.00	2355		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
CCB	1.00	0001		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ZZZZZZ	1.00	0006		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	0012		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
SS083006	1.00	0017		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
BS083006	1.00	0023		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
LCSSD048	2.00	0029		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
SSD048-D	2.00	0034		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
765449D	2.00	0040		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
765449	2.00	0045		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
765449L	2.00	0051		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
765449MS	2.00	0057		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
CCV	1.00	0102		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
CCB	1.00	0108		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ZZZZZZ	2.00	0113		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21227_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/02/06 End Date: 09/03/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
765437	2.00	0119			X	X	X	X	X		X		X		X				X		X	X		X		X	
765438	2.00	0124			X	X	X	X	X		X		X		X				X		X	X		X		X	
765439	2.00	0130			X	X	X	X	X		X		X		X				X		X	X		X		X	
765440	2.00	0136			X	X	X	X	X		X		X		X				X		X	X		X		X	
765441	2.00	0141			X	X	X	X	X		X		X		X				X		X	X		X		X	
765442	2.00	0147			X	X	X	X	X		X		X		X				X		X	X		X		X	
765443	2.00	0152			X	X	X	X	X		X		X		X				X		X	X		X		X	
765444	2.00	0158			X	X	X	X	X		X		X		X				X		X	X		X		X	
765445	2.00	0204			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0209			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0215			X	X	X	X	X		X		X		X				X		X	X		X		X	
765446	2.00	0220			X	X	X	X	X		X		X		X				X		X	X		X		X	
765447	2.00	0226			X	X	X	X	X		X		X		X				X		X	X		X		X	
765448	2.00	0232			X	X	X	X	X		X		X		X				X		X	X		X		X	
765450	2.00	0237			X	X	X	X	X		X		X		X				X		X	X		X		X	
765451	2.00	0243			X	X	X	X	X		X		X		X				X		X	X		X		X	
765452	2.00	0248			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	0254			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	0300			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0305			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0311			X	X	X	X	X		X		X		X				X		X	X		X		X	

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STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

09/29/2006

Environ Corporation, Inc.
214 Carnegie Center, Suite 200
Princeton, NJ 08540

Attention: Mr. Bill Kraft

Laboratory Results
Job No. W421 - Sun Chemical SI

Dear Mr. Kraft:

Enclosed are the results you requested for the following sample(s) received at our laboratory on August 30, 2006.

Lab No.	Client ID	Analysis Required
765862	B1301-SS01	TCL VOA+10 TCL BN+15 PP Metals
765863	B1301-SS02	TCL VOA+10 TCL BN+15 PP Metals
765864	B201-SS01	PP Metals
765865	B201-SS02	PP Metals
765866	B202-SS01	PP Metals
765867	B202-SS02	PP Metals
765868	B202-SS02D	PP Metals
765869	B202-SS03	PP Metals
765870	MW5-SS01	PP Metals
765871	MW5-SS02	PP Metals
765872	MW5-SS03	PP Metals
765873	MW5-SS03D	PP Metals
765874	B301-SS01	PP Metals

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Edison, NJ 08817

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Laboratory Results
Job No. W421 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
765875	B301-SS02	PP Metals
765876	MW4-SS01	TCL VOA+10
		TCL BN+15
765877	MW4-SS02	TCL VOA+10
		TCL BN+15

If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael Urban
Laboratory Manager

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Analytical Results Summary

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06989.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	370
Acetone	ND	620
Carbon Disulfide	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
2-Butanone	ND	620
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	370
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
Bromoform	ND	500
4-Methyl-2-Pentanone	ND	620
2-Hexanone	ND	620
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	500
Styrene	ND	620
Xylene (Total)	ND	620

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06989.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08870.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.5 g
Purge Volume: 5.0 ml
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.3
Bromomethane	ND	5.3
Vinyl Chloride	ND	5.3
Chloroethane	ND	5.3
Methylene Chloride	ND	3.2
Acetone	ND	5.3
Carbon Disulfide	ND	5.3
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.3
trans-1,2-Dichloroethene	ND	5.3
cis-1,2-Dichloroethene	ND	5.3
Chloroform	ND	5.3
1,2-Dichloroethane	ND	2.1
2-Butanone	ND	5.3
1,1,1-Trichloroethane	ND	5.3
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.3
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.3
1,1,2-Trichloroethane	ND	3.2
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.3
Bromoform	ND	4.2
4-Methyl-2-Pentanone	ND	5.3
2-Hexanone	ND	5.3
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.3
Chlorobenzene	ND	5.3
Ethylbenzene	ND	4.2
Styrene	ND	5.3
Xylene (Total)	ND	5.3

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08870.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.5 g
Purge Volume: 5.0 ml
% Moisture: 13.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08871.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	22 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	2.0	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08871.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08872.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.6 g
Purge Volume: 5.0 ml
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.3
Bromomethane	ND	4.3
Vinyl Chloride	ND	4.3
Chloroethane	ND	4.3
Methylene Chloride	ND	2.6
Acetone	10 B	4.3
Carbon Disulfide	ND	4.3
1,1-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	4.3
trans-1,2-Dichloroethene	ND	4.3
cis-1,2-Dichloroethene	ND	4.3
Chloroform	ND	4.3
1,2-Dichloroethane	0.7J	1.7
2-Butanone	ND	4.3
1,1,1-Trichloroethane	ND	4.3
Carbon Tetrachloride	ND	1.7
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.3
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.3
1,1,2-Trichloroethane	ND	2.6
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.3
Bromoform	ND	3.5
4-Methyl-2-Pentanone	ND	4.3
2-Hexanone	ND	4.3
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.3
Chlorobenzene	ND	4.3
Ethylbenzene	ND	3.5
Styrene	ND	4.3
Xylene (Total)	ND	4.3

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08872.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.6 g
Purge Volume: 5.0 ml
% Moisture: 13.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION: 0.0

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24477.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	75
1,3-Dichlorobenzene	ND	750
1,4-Dichlorobenzene	19 J	750
1,2-Dichlorobenzene	32 J	750
bis(2-chloroisopropyl)ether	ND	750
N-Nitroso-di-n-propylamine	ND	75
Hexachloroethane	ND	75
Nitrobenzene	19 J	75
Isophorone	ND	750
bis(2-Chloroethoxy)methane	ND	750
1,2,4-Trichlorobenzene	ND	75
Naphthalene	130 J	750
4-Chloroaniline	ND	750
Hexachlorobutadiene	ND	150
2-Methylnaphthalene	190 J	750
Hexachlorocyclopentadiene	ND	750
2-Chloronaphthalene	ND	750
2-Nitroaniline	ND	1500
Dimethylphthalate	ND	750
Acenaphthylene	43 J	750
2,6-Dinitrotoluene	ND	150
3-Nitroaniline	ND	1500
Acenaphthene	32 J	750
Dibenzofuran	48 J	750
2,4-Dinitrotoluene	ND	150
Diethylphthalate	ND	750
4-Chlorophenyl-phenylether	ND	750
Fluorene	42 J	750
4-Nitroaniline	ND	1500
N-Nitrosodiphenylamine	ND	750
4-Bromophenyl-phenylether	ND	750
Hexachlorobenzene	ND	75
Phenanthrene	560 J	750
Anthracene	100 J	750

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24477.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	47 J	750
Di-n-butylphthalate	ND	750
Fluoranthene	810	750
Pyrene	1500	750
Butylbenzylphthalate	ND	750
3,3'-Dichlorobenzidine	ND	1500
Benzo(a)anthracene	470	75
Chrysene	740 J	750
bis(2-Ethylhexyl)phthalate	1200	750
Di-n-octylphthalate	ND	750
Benzo(b)fluoranthene	640	75
Benzo(k)fluoranthene	760	75
Benzo(a)pyrene	540	75
Indeno(1,2,3-cd)pyrene	250	75
Dibenz(a,h)anthracene	ND	75
Benzo(g,h,i)perylene	260 J	750

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24477.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 11.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	11.09	640	
2.	Unknown	11.38	710	
3.	C17H12 PAH	16.32	870	
4.	Unknown	16.65	1100	
5.	Unknown	18.85	1200	
6.	Unknown	19.62	2600	
7.	Unknown	19.69	3600	
8.	Unknown	20.11	3100	
9.	Unknown	20.16	2300	
10.	Unknown	20.50	3100	
11.	Unknown	22.07	2300	
12.	Unknown	22.94	2800	
13.				
14.				
15.				
16.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 24320

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24457.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24457.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24457.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/05/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24497.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	25 J	38
Naphthalene	42 J	380
4-Chloroaniline	7.9J	380
Hexachlorobutadiene	ND	76
2-Methylnaphthalene	26 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	760
Dimethylphthalate	98 J	380
Acenaphthylene	21 J	380
2,6-Dinitrotoluene	ND	76
3-Nitroaniline	ND	760
Acenaphthene	24 J	380
Dibenzofuran	15 J	380
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	29 J	380
4-Nitroaniline	48 J	760
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	180 J	380
Anthracene	36 J	380

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/05/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24497.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	24 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	290 J	380
Pyrene	270 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	54 J	760
Benzo(a)anthracene	150	38
Chrysene	180 J	380
bis(2-Ethylhexyl)phthalate	180 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	170	38
Benzo(k)fluoranthene	180	38
Benzo(a)pyrene	160	38
Indeno(1,2,3-cd)pyrene	51	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	48 J	380

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/05/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24497.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Trichloro-1,1-biphenyl isomer	14.05	940	
2.	Tetrachloro-1,1-biphenyl isomer	14.45	1500	
3.	Tetrachloro-1,1-biphenyl isomer	14.51	940	
4.	Tetrachloro-1,1-biphenyl isomer	14.56	750	
5.	Tetrachloro-1,1-biphenyl isomer	14.72	1300	
6.	Trichloro-1,1-biphenyl isomer	14.78	760	
7.	Tetrachloro-1,1-biphenyl isomer	14.88	1300	
8.	Tetrachloro-1,1-biphenyl isomer	15.14	820	
9.	Tetrachloro-1,1-biphenyl isomer	15.17	1100	
10.	Tetrachloro-1,1-biphenyl isomer	15.23	1700	
11.	Tetrachloro-1,1-biphenyl isomer	15.44	1200	
12.	Pentachloro-1,1'-biphenyl isomer	15.48	820	
13.	Pentachloro-1,1'-biphenyl isomer	15.92	720	
14.	Unknown Alkane	19.79	1300	
15.	Unknown Alkane	21.76	1200	
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30.				

TOTAL ESTIMATED CONCENTRATION 16350

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24459.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24459.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24459.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1301-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765862
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	33.4	0.72		P
Beryllium	0.52	0.068		P
Cadmium	0.58	0.090	B	P
Chromium	46.7	0.36		P
Copper	109	0.84	*	P
Lead	288	0.61		P
Mercury	0.28	0.019	*	CV
Nickel	58.9	0.54		P
Selenium	2.3	0.95		P
Silver	0.53	0.32	B	P
Thallium	ND	1.1		P
Zinc	112	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1301-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765863
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 13.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	30.3	0.74		P
Beryllium	0.32	0.069	B	P
Cadmium	ND	0.092		P
Chromium	61.0	0.37		P
Copper	24.8	0.85	*	P
Lead	6.8	0.62		P
Mercury	ND	0.019	*	CV
Nickel	280	0.55		P
Selenium	ND	0.97		P
Silver	0.38	0.32	B	P
Thallium	ND	1.1		P
Zinc	39.7	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B201-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765864
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 7.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.8	0.63		P
Beryllium	0.26	0.059	B	P
Cadmium	0.17	0.079	B	P
Chromium	21.6	0.32		P
Copper	32.4	0.73	*	P
Lead	80.9	0.53		P
Mercury	0.07	0.018	*	CV
Nickel	28.9	0.47		P
Selenium	ND	0.83		P
Silver	0.35	0.28	B	P
Thallium	ND	0.93		P
Zinc	77.4	1.1		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B201-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765865
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	5.8	0.72		P
Beryllium	0.49	0.068		P
Cadmium	0.60	0.091	B	P
Chromium	57.4	0.36		P
Copper	55.4	0.84	*	P
Lead	268	0.61		P
Mercury	0.36	0.019	*	CV
Nickel	98.5	0.54		P
Selenium	ND	0.95		P
Silver	0.41	0.32	B	P
Thallium	ND	1.1		P
Zinc	125	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765866
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 9.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	8.2	0.71		P
Beryllium	0.43	0.067		P
Cadmium	ND	0.089		P
Chromium	26.1	0.35		P
Copper	61.1	0.82	*	P
Lead	130	0.60		P
Mercury	0.57	0.018	*	CV
Nickel	80.9	0.53		P
Selenium	ND	0.93		P
Silver	0.39	0.31	B	P
Thallium	ND	1.0		P
Zinc	113	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765867
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.2	0.72		P
Beryllium	0.54	0.067		P
Cadmium	ND	0.090		P
Chromium	26.3	0.36		P
Copper	24.6	0.83	*	P
Lead	11.3	0.61		P
Mercury	0.24	0.019	*	CV
Nickel	121	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	43.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS02D**
Site: **Sun Chemical SI**

Lab Sample No: 765868
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	2.8	0.65		P
Beryllium	0.50	0.061		P
Cadmium	ND	0.081		P
Chromium	25.9	0.32		P
Copper	29.0	0.75	*	P
Lead	9.1	0.55		P
Mercury	0.19	0.019	*	CV
Nickel	143	0.49		P
Selenium	ND	0.85		P
Silver	0.40	0.28	B	P
Thallium	ND	0.95		P
Zinc	81.0	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765869
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 13.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	2.0	0.67		P
Beryllium	0.53	0.063		P
Cadmium	ND	0.084		P
Chromium	21.2	0.34		P
Copper	21.5	0.78	*	P
Lead	6.8	0.57		P
Mercury	ND	0.019	*	CV
Nickel	38.9	0.50		P
Selenium	ND	0.88		P
Silver	ND	0.29		P
Thallium	ND	0.99		P
Zinc	35.4	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765870
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	8.7	0.72		P
Beryllium	0.48	0.067		P
Cadmium	0.13	0.089	B	P
Chromium	35.4	0.36		P
Copper	53.4	0.83	*	P
Lead	147	0.60		P
Mercury	0.27	0.019	*	CV
Nickel	116	0.54		P
Selenium	ND	0.94		P
Silver	0.42	0.31	B	P
Thallium	ND	1.1		P
Zinc	164	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765871
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	9.7	0.72		P
Beryllium	0.51	0.068		P
Cadmium	0.19	0.090	B	P
Chromium	28.5	0.36		P
Copper	51.5	0.84	*	P
Lead	287	0.61		P
Mercury	0.83	0.019	*	CV
Nickel	123	0.54		P
Selenium	ND	0.95		P
Silver	0.62	0.32	B	P
Thallium	ND	1.1		P
Zinc	157	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765872
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	4.4	0.72		P
Beryllium	0.53	0.067		P
Cadmium	ND	0.090		P
Chromium	29.9	0.36		P
Copper	33.0	0.83	*	P
Lead	61.0	0.61		P
Mercury	0.12	0.019	*	CV
Nickel	139	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	54.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS03D**
Site: **Sun Chemical SI**

Lab Sample No: 765873
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	3.5	0.72		P
Beryllium	0.48	0.067		P
Cadmium	0.17	0.090	B	P
Chromium	26.1	0.36		P
Copper	30.1	0.83	*	P
Lead	22.3	0.61		P
Mercury	0.06	0.016	*	CV
Nickel	150	0.54		P
Selenium	ND	0.94		P
Silver	0.57	0.31	B	P
Thallium	ND	1.1		P
Zinc	66.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B301-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765874
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 15.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	6.2	1.4	N	P
Arsenic	44.4	0.76		P
Beryllium	0.40	0.071	B	P
Cadmium	1.4	0.095		P
Chromium	138	0.38		P
Copper	101	0.88	*	P
Lead	1120	0.64		P
Mercury	0.89	0.020	*	CV
Nickel	36.4	0.57		P
Selenium	ND	1.00		P
Silver	0.51	0.33	B	P
Thallium	ND	1.1		P
Zinc	330	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B301-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765875
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 12.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	10.4	0.73		P
Beryllium	0.56	0.069		P
Cadmium	0.23	0.092	B	P
Chromium	74.9	0.37		P
Copper	70.0	0.85	*	P
Lead	178	0.62		P
Mercury	0.24	0.019	*	CV
Nickel	186	0.55		P
Selenium	ND	0.96		P
Silver	0.42	0.32	B	P
Thallium	ND	1.1		P
Zinc	243	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

W421

STL Edison

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STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 2

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical - Staten Island
Company: ENVIRON	P.O. #: 21-1CH43A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609)452-9000 Fax: (609)452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals	PP VOC + 10	PP BN + 15	LAB USE ONLY Sample Numbers
B1301-SS01	8/30/08	0811	Soil	4	X	X	X	862
B1301-SS02		0816		4	X	X	X	863
B201-SS01		0841		1	X			864
B201-SS02		0844		1	X			865
B202-SS01		0902		1	X			866
B202-SS02		0907		1	X			867
B202-SS02D		0907		1	X			868
B202-SS03		0909		1	X			869
MW5-SS01		0927		1	X			870
MW5-SS02		0930		1	X			871

Job No. W421

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____

Soil: 1 1 1
Water:

Special Instructions _____ Cooler Temp: 3° Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	8/30/08 1645		Sun
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

W421

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STL EDISON

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Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical - Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals	PP VOC +10	PP BNHS	LAB USE ONLY Sample Numbers
MW5-SS03	8/30/06	0934	SO.1	1	X			765872
MW5-SS03D		0934		1	X			873
B301-SS01		1119		1	X			874
B301-SS02		1123		1	X			875
MW4-SS01		1151		4		XX		876
MW4-SS02		1159		4		XX		877

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____

	PP Metals	PP VOC +10	PP BNHS
Soil:	1	1	1
Water:			

Job No.: W421

Special Instructions _____ Cooler Temp: 3' Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	8/30/06 1645		
2.				
3.				
4.				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W421 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

VOAMS

SOLID - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
765862	8/30/2006	8/30/2006			9/7/2006	Riaz, Mahjabeen	0682
765863	8/30/2006	8/30/2006			9/6/2006	Klusey, Sylvanus	0784
765876	8/30/2006	8/30/2006			9/6/2006	Klusey, Sylvanus	0784
765877	8/30/2006	8/30/2006			9/6/2006	Klusey, Sylvanus	0784

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W421 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
765862	8/30/2006	8/30/2006	8/30/2006	Rodgers, Ivan	9/2/2006	Shalayda, Monica	4556
765863	8/30/2006	8/30/2006	8/30/2006	Rodgers, Ivan	9/2/2006	Asfaw, Abebaye	4556
765876	8/30/2006	8/30/2006	8/30/2006	Rodgers, Ivan	9/5/2006	Shalayda, Monica	4556
765877	8/30/2006	8/30/2006	8/30/2006	Rodgers, Ivan	9/2/2006	Asfaw, Abebaye	4556

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765862	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765863	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765864	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765865	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765866	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765867	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765868	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765869	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765870	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765871	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765872	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765873	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765874	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W421	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	8/30/2006
Sample No.:	765875	**Date Received:**	8/30/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	8/31/2006	Sheikh, Razia	8/31/2006	Sheikh, Razia	21230
ANTIMONY	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ARSENIC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
BERYLLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CADMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
CHROMIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
COPPER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
LEAD	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
NICKEL	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SELENIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
SILVER	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
THALLIUM	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230
ZINC	8/31/2006	Sanagavarapu, Suguna	8/31/2006	Chang, Churnder	21230

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND/U - The compound was not detected at the indicated concentration.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: W421

Client: Environ Corporation, Inc.

Date: 10/2/2006

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

Soil blank OV249 contains 2.8 ppb of Acetone. Sample results are flagged with a B qualifier.

Sample 765862 analyzed medium level, insufficient volume to re-run low level.

Base/Neutral and/or Acid Extractable Organics (GC/MS):

Sample #s 765862 and 765876: Internal Standard low, confirmed by re-analysis

Sample # 762861: Surrogate high due to low internal standard. Sample re-analyzed to confirm matrix interference.

Metals:

Copper and mercury Sample Duplicate RPD(s) are outside Q.C. limits. Poor precision attributed to non homogeneous sample (LCS/LCSdup RPD are within Q.C. limits).

Antimony Matrix Spike recovery is outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06989.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	370
Acetone	ND	620
Carbon Disulfide	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
2-Butanone	ND	620
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	370
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
Bromoform	ND	500
4-Methyl-2-Pentanone	ND	620
2-Hexanone	ND	620
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	500
Styrene	ND	620
Xylene (Total)	ND	620

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06989.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06989.d
Report Date: 11-Sep-2006 11:31

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06989.d
Lab Smp Id: 765862 Client Smp ID: B1301-SS01
Inj Date : 07-SEP-2006 15:51
Operator : VOAMS 4 Inst ID: VOAMS13.i
Smp Info : 765862;50;;4.53;10
Misc Info : W421;0682;;MR
Comment :
Method : /chem/VOAMS13.i/8260/09-01-06/07sep06.b/8260H_05.m
Meth Date : 07-Sep-2006 09:45 riaz Quant Type: ISTD
Cal Date : 01-SEP-2006 11:46 Cal File: p06901.d
Als bottle: 14
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: HSLVOA+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	4.53000	Weight of sample extracted (g)
M	11.40000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

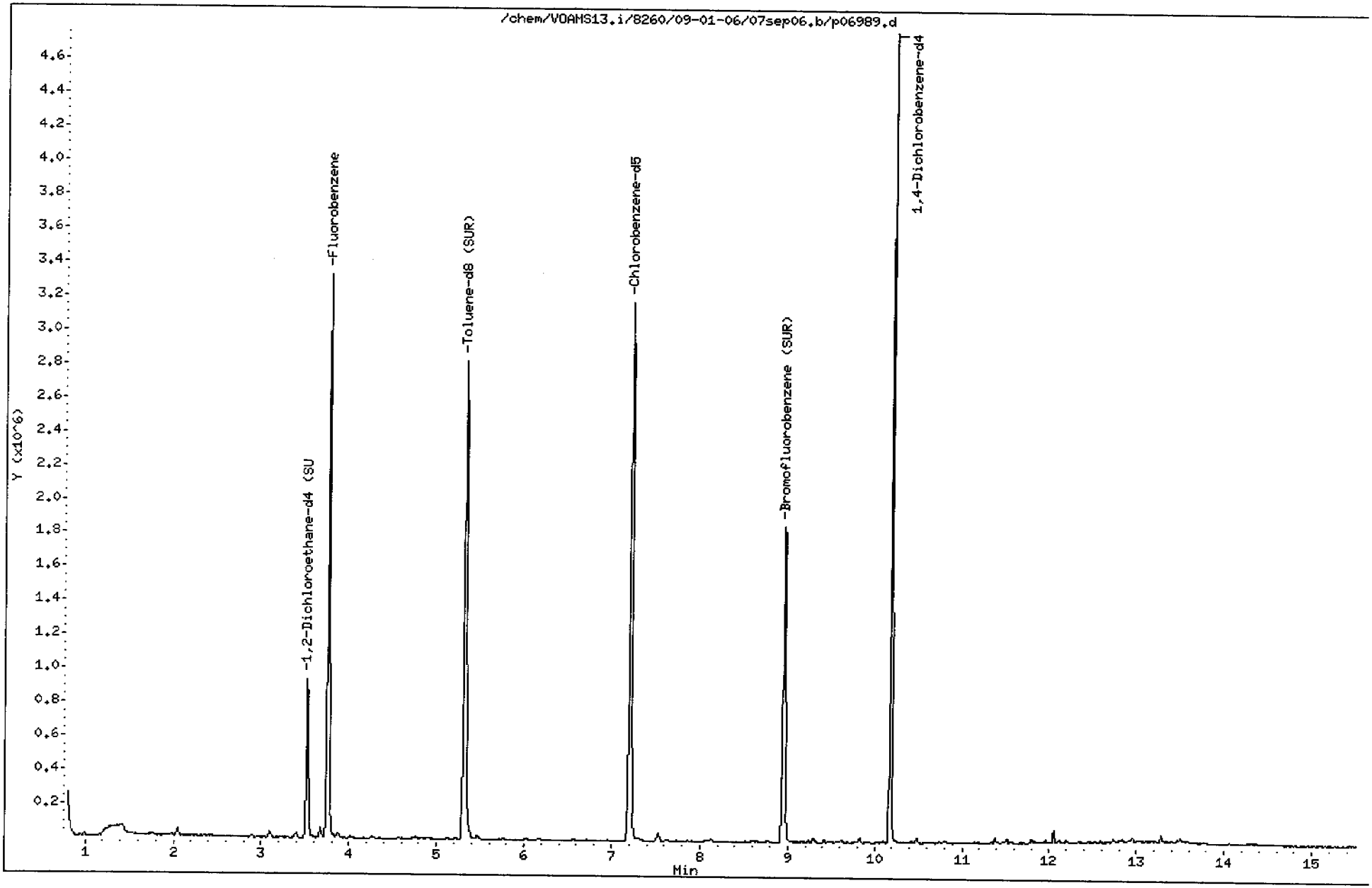
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.516	3.523	(0.937)	599588	45.6751	5700
* 19 Fluorobenzene	96	3.752	3.759	(1.000)	2663294	50.0000	
$ 37 Toluene-d8 (SUR)	98	5.314	5.321	(0.738)	1871885	45.8753	5700
* 32 Chlorobenzene-d5	117	7.205	7.212	(1.000)	2031302	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.953	8.953	(0.880)	520330	42.7984	5300
* 91 1,4-Dichlorobenzene-d4	152	10.178	10.178	(1.000)	1039898	50.0000	

Data File: /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06989.d
Date : 07-SEP-2006 15:51
Client ID: B1301-SS01
Sample Info: 765862;50;;4.53;10

Instrument: VOAMS13.i

Operator: VOAMS 4
Column diameter: 0.18

Column phase: RTX-VMS



STL Edison
W421

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08870.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.5 g
Purge Volume: 5.0 ml
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.3
Bromomethane	ND	5.3
Vinyl Chloride	ND	5.3
Chloroethane	ND	5.3
Methylene Chloride	ND	3.2
Acetone	ND	5.3
Carbon Disulfide	ND	5.3
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.3
trans-1,2-Dichloroethene	ND	5.3
cis-1,2-Dichloroethene	ND	5.3
Chloroform	ND	5.3
1,2-Dichloroethane	ND	2.1
2-Butanone	ND	5.3
1,1,1-Trichloroethane	ND	5.3
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.3
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.3
1,1,2-Trichloroethane	ND	3.2
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.3
Bromoform	ND	4.2
4-Methyl-2-Pentanone	ND	5.3
2-Hexanone	ND	5.3
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.3
Chlorobenzene	ND	5.3
Ethylbenzene	ND	4.2
Styrene	ND	5.3
Xylene (Total)	ND	5.3

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08870.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.5 g
Purge Volume: 5.0 ml
% Moisture: 13.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08870.d
Report Date: 08-Sep-2006 15:17

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

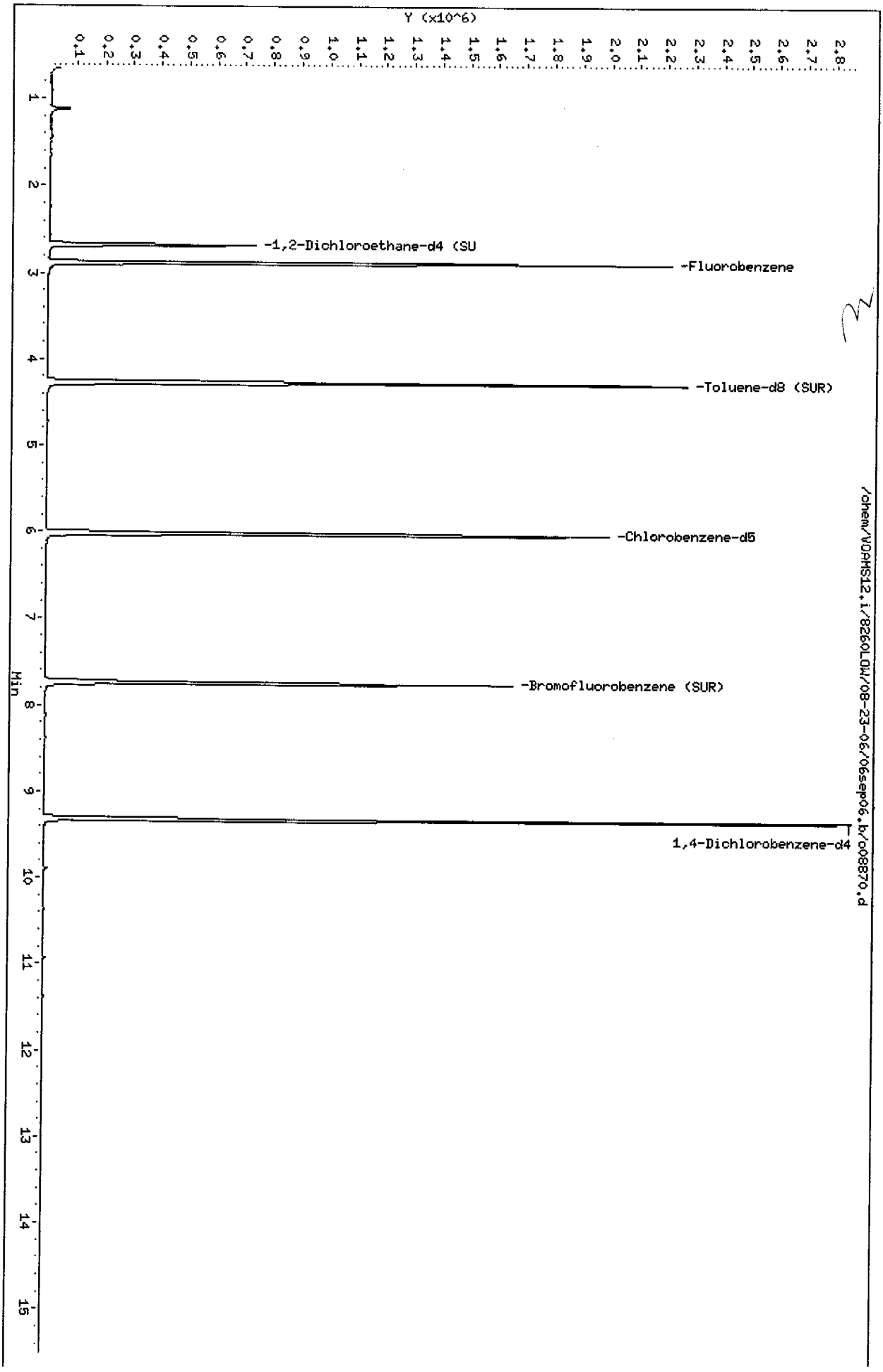
Data file : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08870.d
Lab Smp Id: 765863 Client Smp ID: B1301-SS02
Inj Date : 06-SEP-2006 20:02
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765863;;;5.48;5
Misc Info : W421;0784;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/8260L_05.m
Meth Date : 06-Sep-2006 12:24 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.48000	Weight of sample extracted (g)
M	13.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.681	2.675	(0.930)	487654	47.2388	50
* 69 Fluorobenzene	96	2.882	2.883	(1.000)	1694698	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.266	4.266	(0.709)	1364551	49.4407	52
* 32 Chlorobenzene-d5	117	6.016	6.016	(1.000)	1209650	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.735	7.735	(0.830)	514506	51.5673	54
* 91 1,4-Dichlorobenzene-d4	152	9.314	9.314	(1.000)	690461	50.0000	


Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08870.d
Date : 06-SEP-2006 20:02
Client ID: B1301-SS02
Sample Info: 765863;;;5.48;5
Column phase: DB624
Instrument: VOAMS12.i
Operator: VOAMS 9
Column diameter: 0.53
Y (x10^6)
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08870.d
Min

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08871.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Acetone	22 B	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	2.0	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08871.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 12.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08871.d
Report Date: 08-Sep-2006 15:17

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08871.d
Lab Smp Id: 765876 Client Smp ID: MW4-SS01
Inj Date : 06-SEP-2006 20:25
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765876;;;6.15;5
Misc Info : W421;0784;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/8260L_05.m
Meth Date : 06-Sep-2006 12:24 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.15000	Weight of sample extracted (g)
M	12.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

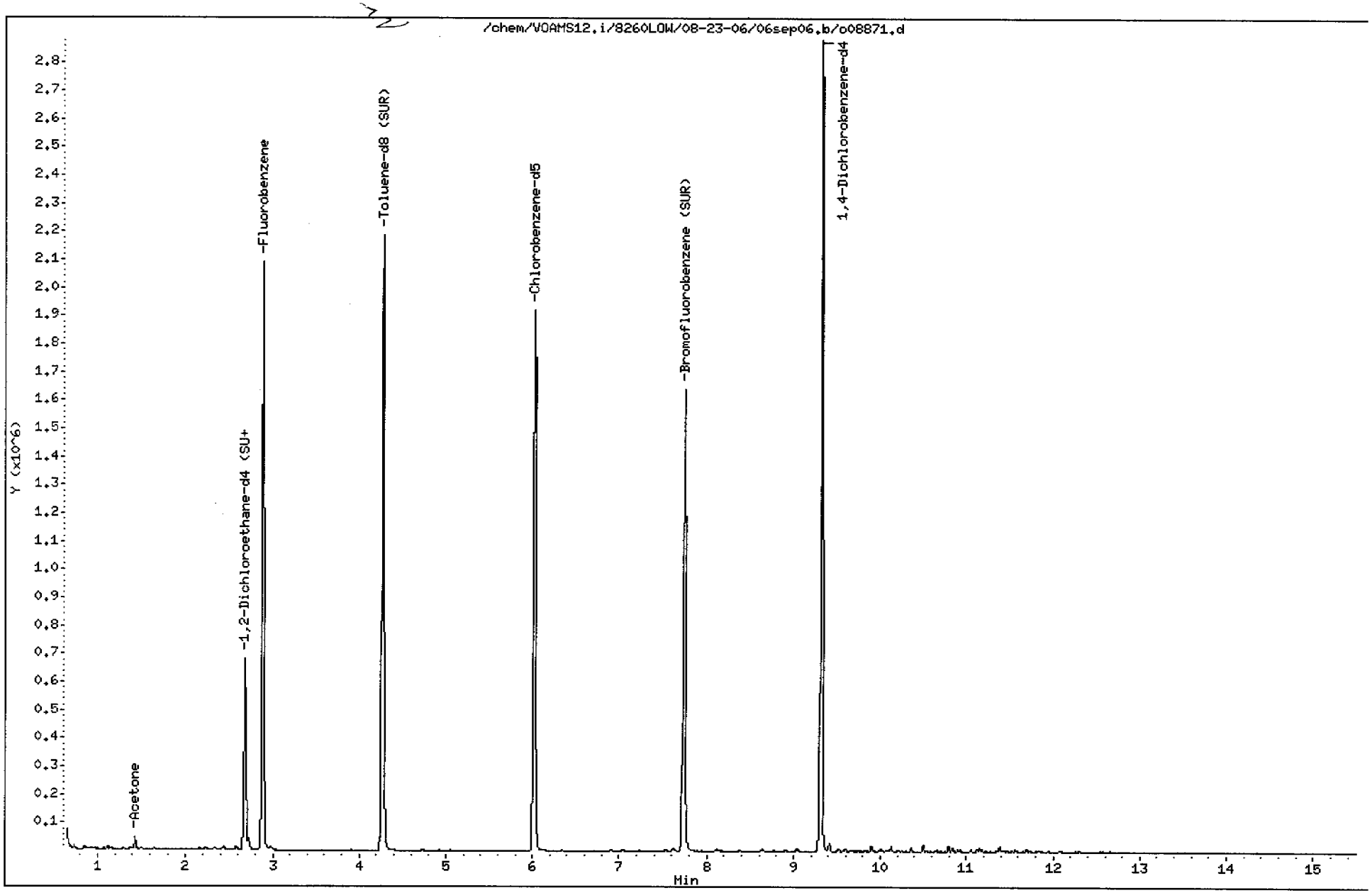
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
7 Acetone	43	1.432	1.432	(0.497)	38888	23.6377	22
$ 16 1,2-Dichloroethane-d4 (SUR)	65	2.675	2.675	(0.928)	454939	46.4915	43
17 1,2-Dichloroethane	62	2.724	2.724	(0.945)	24291	2.18212	2.0
* 69 Fluorobenzene	96	2.883	2.883	(1.000)	1606420	50.0000	
$ 37 Toluene-d8 (SUR)	98	4.266	4.266	(0.709)	1285959	47.9000	44
* 32 Chlorobenzene-d5	117	6.016	6.016	(1.000)	1176647	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.735	7.735	(0.831)	522550	52.3858	48
* 91 1,4-Dichlorobenzene-d4	152	9.308	9.314	(1.000)	690298	50.0000	

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08871.d
Date : 06-SEP-2006 20:25
Client ID: MW4-SS01
Sample Info: 765876;;;6.15;5

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53

Column phase: DB624



STL Edison

W421

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08871.d

Date : 06-SEP-2006 20:25

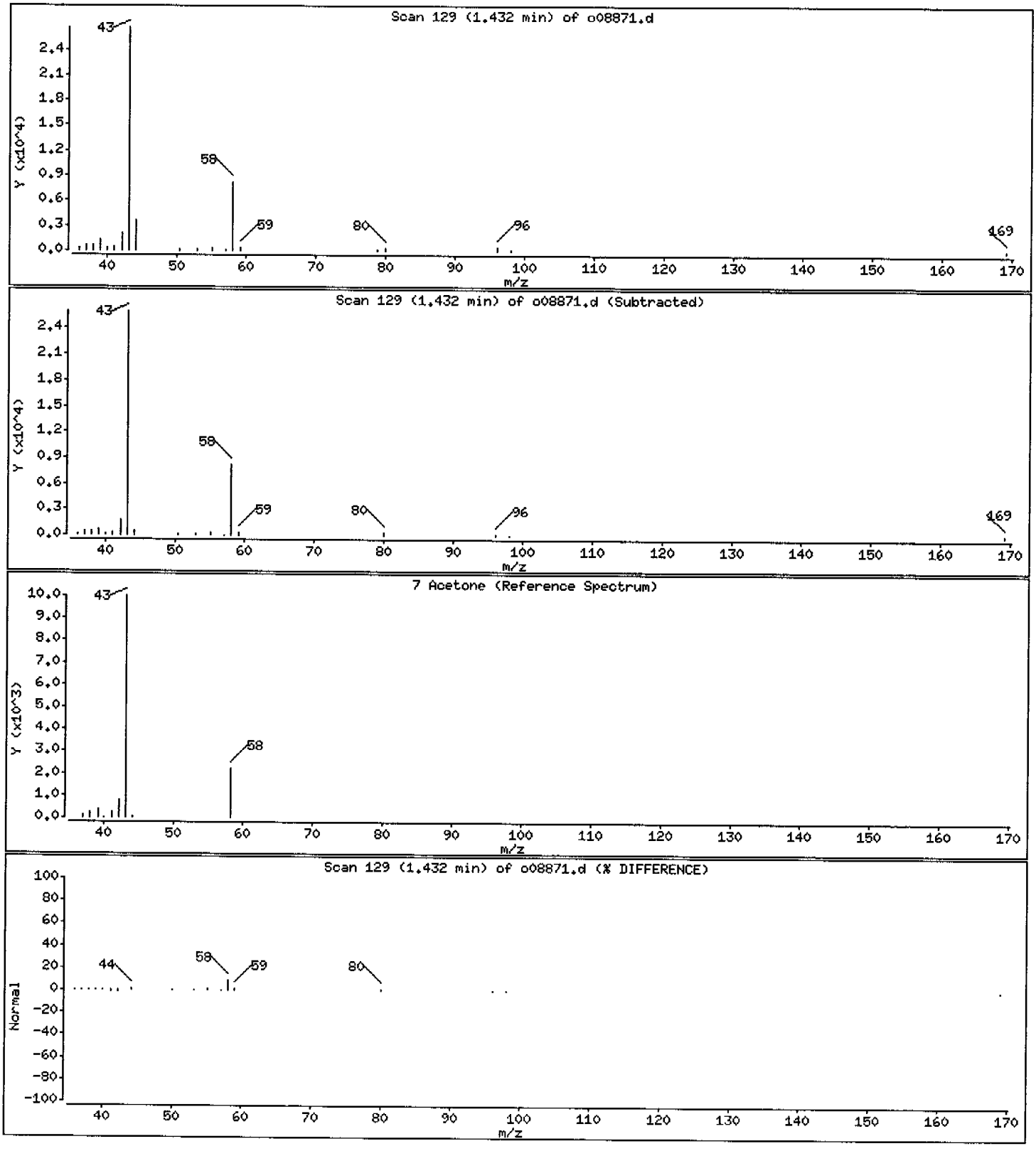
Client ID: MW4-SS01 Instrument: VOAMS12.i

Sample Info: 765876;;;6.15;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 22 ug/Kg



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08871.d

Date : 06-SEP-2006 20:25

Client ID: MW4-SS01

Instrument: VOAMS12.i

Sample Info: 765876;;;6.15;5

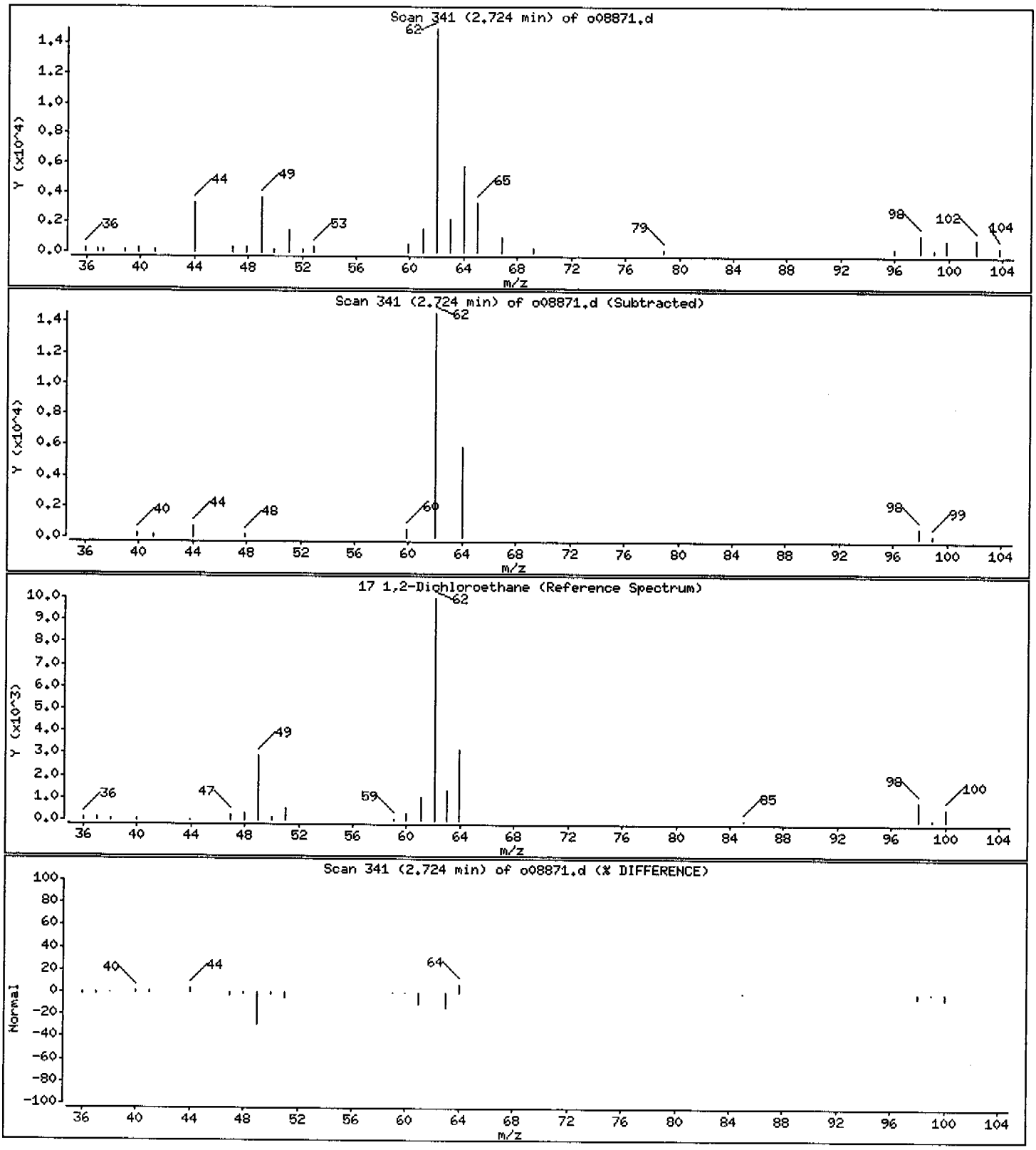
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

17 1,2-Dichloroethane

Concentration: 2.0 ug/Kg



Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08872.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.6 g
Purge Volume: 5.0 ml
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.3
Bromomethane	ND	4.3
Vinyl Chloride	ND	4.3
Chloroethane	ND	4.3
Methylene Chloride	ND	2.6
Acetone	10 B	4.3
Carbon Disulfide	ND	4.3
1,1-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	4.3
trans-1,2-Dichloroethene	ND	4.3
cis-1,2-Dichloroethene	ND	4.3
Chloroform	ND	4.3
1,2-Dichloroethane	0.7J	1.7
2-Butanone	ND	4.3
1,1,1-Trichloroethane	ND	4.3
Carbon Tetrachloride	ND	1.7
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.3
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.3
1,1,2-Trichloroethane	ND	2.6
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.3
Bromoform	ND	3.5
4-Methyl-2-Pentanone	ND	4.3
2-Hexanone	ND	4.3
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.3
Chlorobenzene	ND	4.3
Ethylbenzene	ND	3.5
Styrene	ND	4.3
Xylene (Total)	ND	4.3

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08872.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.6 g
Purge Volume: 5.0 ml
% Moisture: 13.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08872.d
Report Date: 08-Sep-2006 15:18

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08872.d
Lab Smp Id: 765877 Client Smp ID: MW4-SS02
Inj Date : 06-SEP-2006 20:48
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 765877;;;6.63;5
Misc Info : W421;0784;;SK
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/8260L_05.m
Meth Date : 06-Sep-2006 12:24 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.63000	Weight of sample extracted (g)
M	13.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.425	1.432	(0.495)	19495	11.9399	10
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.675	2.675	(0.928)	450409	46.3783	40
	17 1,2-Dichloroethane	62	2.724	2.724	(0.945)	8816	0.79798	0.69(aH)
*	69 Fluorobenzene	96	2.883	2.883	(1.000)	1594307	50.0000	
$	37 Toluene-d8 (SUR)	98	4.266	4.266	(0.709)	1265538	48.8305	42
*	32 Chlorobenzene-d5	117	6.016	6.016	(1.000)	1135896	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.735	7.735	(0.831)	476778	50.3695	44
*	91 1,4-Dichlorobenzene-d4	152	9.308	9.314	(1.000)	655045	50.0000	

QC Flag Legend

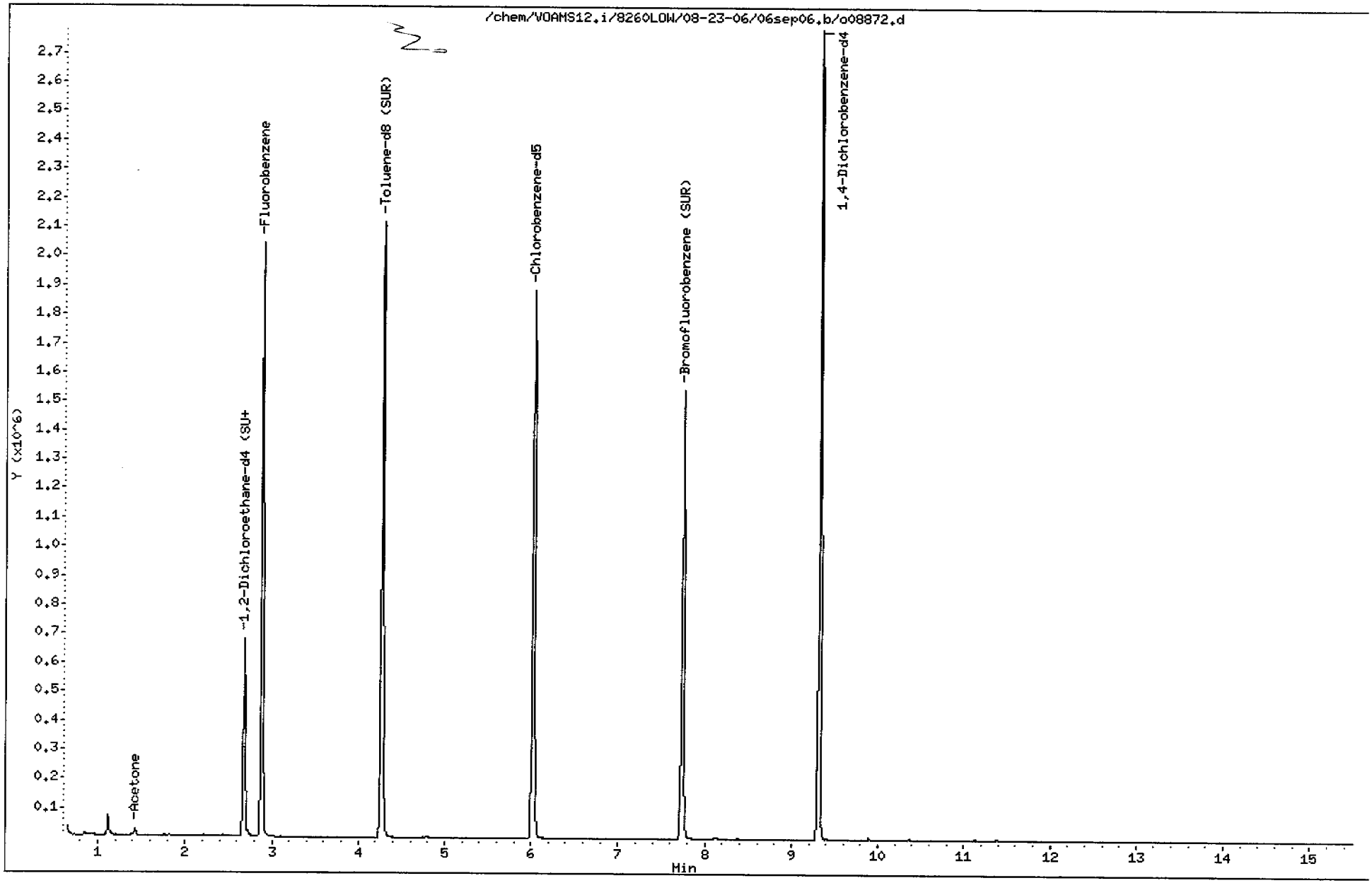
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08872.d
Date : 06-SEP-2006 20:48
Client ID: MW4-SS02
Sample Info: 765877;;;6.63;5

Instrument: VOAMS12.i

Operator: VOAMS 9
Column diameter: 0.53

Column phase: DB624



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08872.d

Date : 06-SEP-2006 20:48

Client ID: MW4-SS02

Instrument: VOAMS12.i

Sample Info: 765877;;;6.63;5

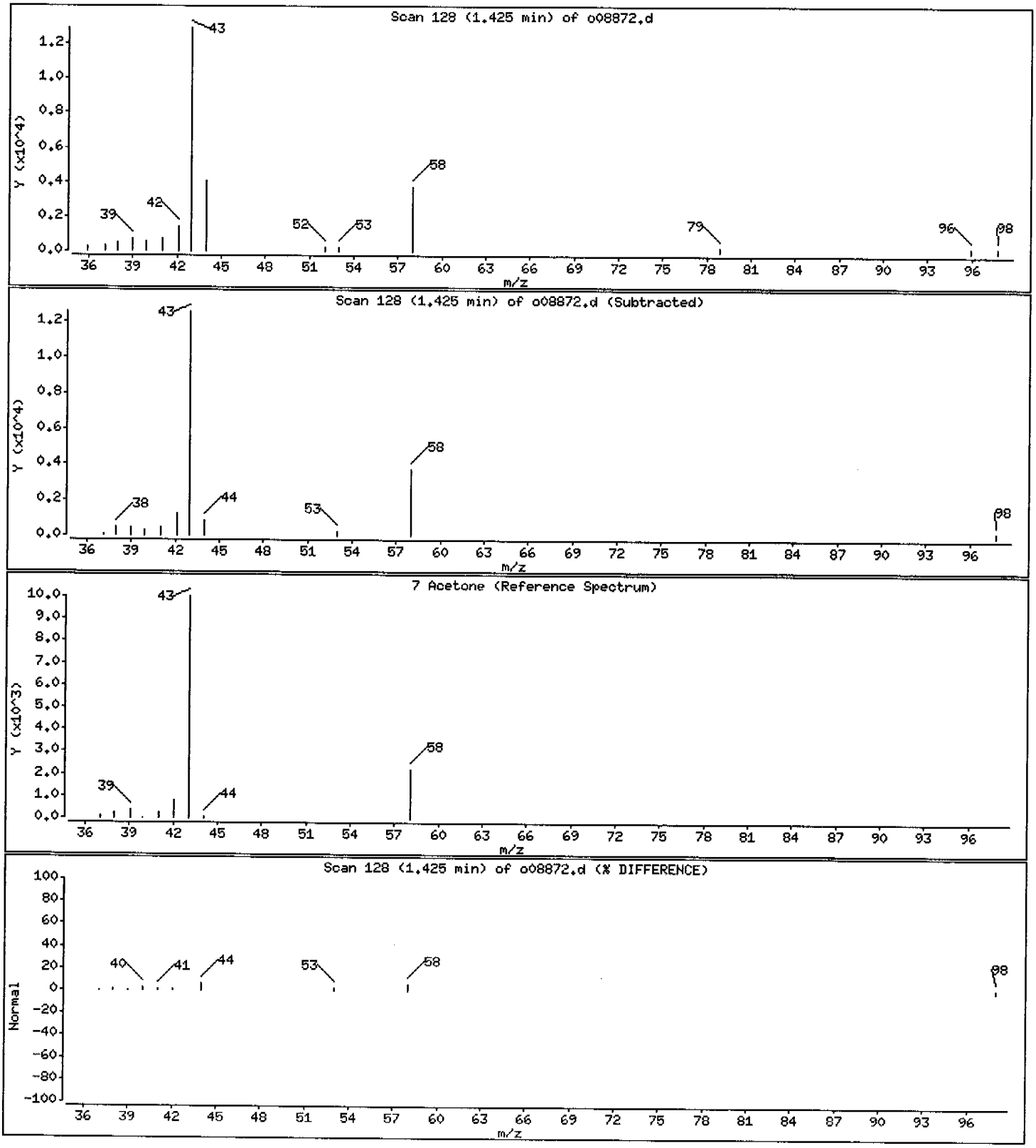
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

7 Acetone

Concentration: 10 ug/Kg



Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08872.d

Date : 06-SEP-2006 20:48

Client ID: MW4-SS02

Instrument: VOAMS12.i

Sample Info: 765877;;;6.63;5

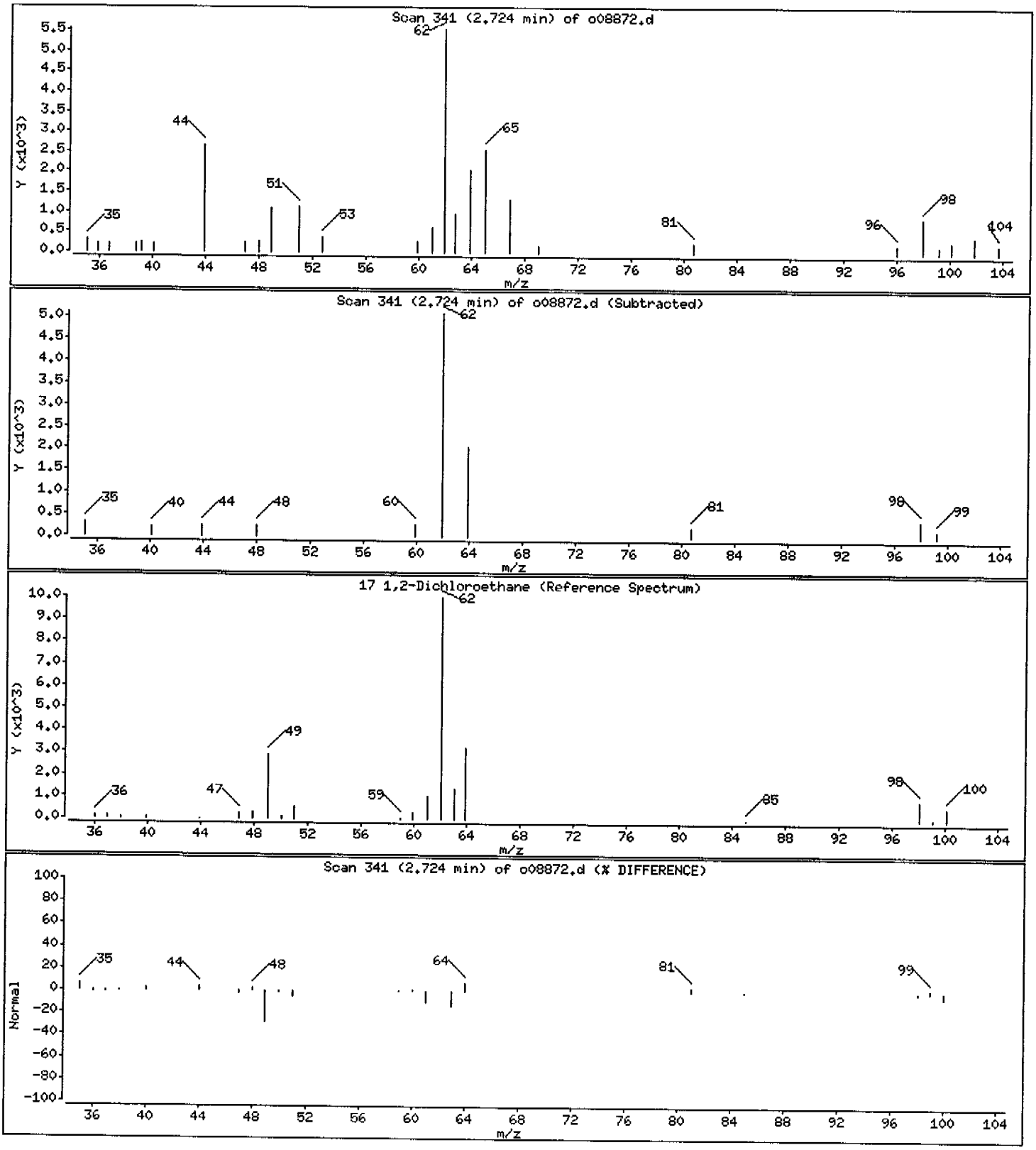
Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

17 1,2-Dichloroethane

Concentration: 0.69 ug/Kg



Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: O08680

BFB Injection Date: 08/23/06

Instrument ID: VOAMS12

BFB Injection Time: 1537

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	5.9 (7.1)1
176	95.0 - 101.0% of mass 174	80.4 (96.6)1
177	5.0 - 9.0% of mass 176	5.1 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OSTD005	OSTD005	O08681	08/23/06	1553
02	OSTD020	OSTD020	O08682	08/23/06	1618
03	OSTD050	OSTD050	O08683	08/23/06	1644
04	OSTD100	OSTD100	O08684	08/23/06	1709
05	OSTD200	OSTD200	O08685	08/23/06	1734
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

Instrument: VOAMS12.i

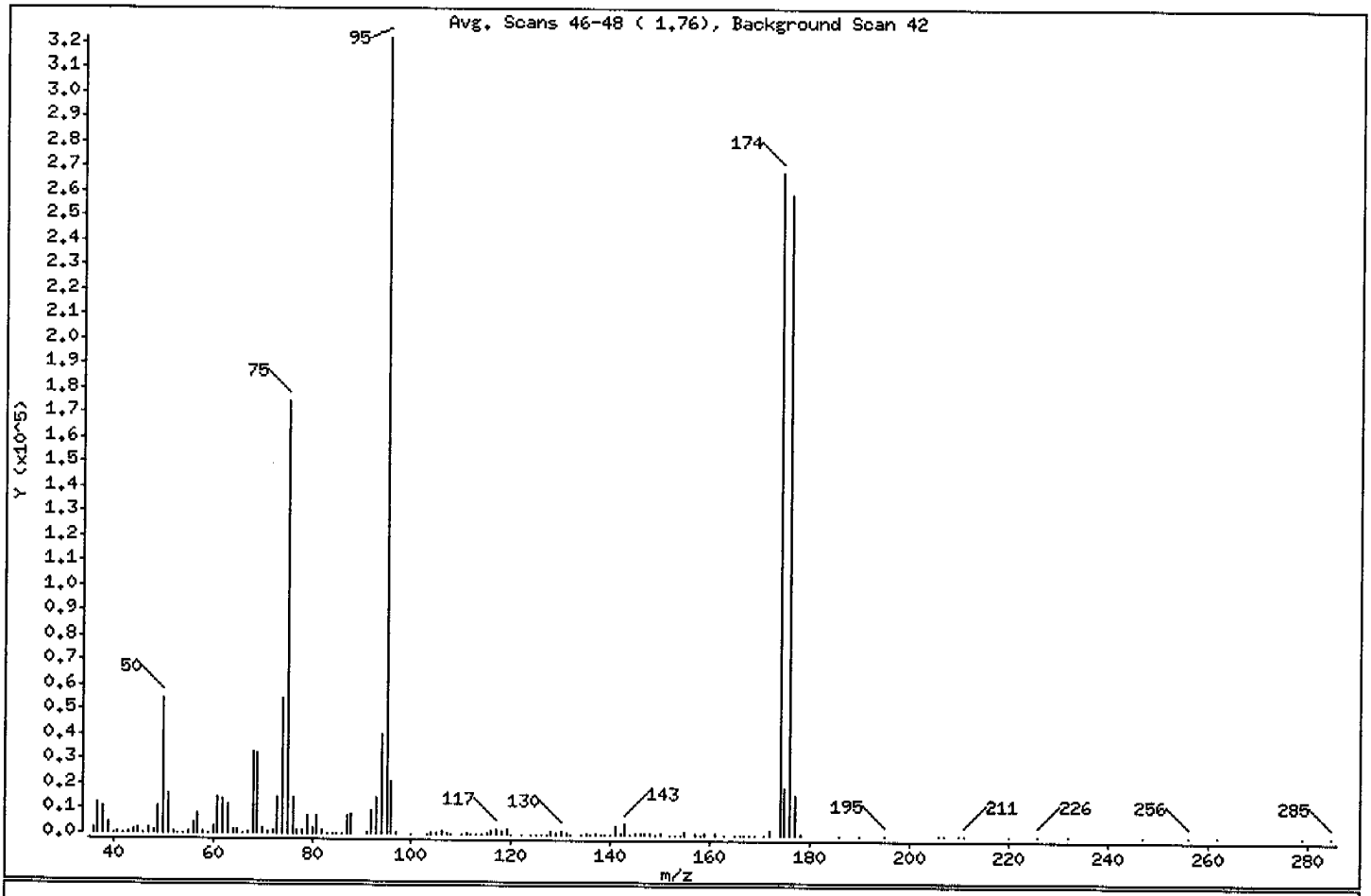
Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.95
75	30.00 - 60.00% of mass 95	54.17
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	83.28
175	5.00 - 9.00% of mass 174	5.91 (7.10)
176	95.00 - 101.00% of mass 174	80.43 (96.58)
177	5.00 - 9.00% of mass 176	5.10 (6.35)

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08680.d

Spectrum: Avg. Scans 46-48 (1.76), Background Scan 42

Location of Maximum: 95.00

Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2531	72.00	1766	115.00	611	155.00	1115
37.00	12934	73.00	14711	116.00	1296	157.00	808
38.00	10867	74.00	54712	117.00	2189	158.00	149
39.00	4380	75.00	174336	118.00	1464	159.00	578
40.00	152	76.00	14993	119.00	1914	161.00	449
41.00	488	77.00	1590	120.00	119	163.00	54
42.00	236	78.00	1111	122.00	119	165.00	50
43.00	678	79.00	7713	124.00	123	166.00	56
44.00	1827	80.00	2456	125.00	92	167.00	57
45.00	2336	81.00	7659	126.00	159	168.00	92
46.00	116	82.00	1590	127.00	131	169.00	79
47.00	2274	83.00	205	128.00	1199	171.00	253
48.00	1689	84.00	64	129.00	732	172.00	2145
49.00	11455	85.00	295	130.00	1522	174.00	268096
50.00	54552	86.00	53	131.00	502	175.00	19024
51.00	16014	87.00	7733	132.00	129	176.00	258944
52.00	1052	88.00	8075	134.00	69	177.00	16432
53.00	159	91.00	1017	135.00	581	178.00	506
54.00	213	92.00	9562	136.00	271	186.00	68
55.00	456	93.00	14477	137.00	879	190.00	55
56.00	4778	94.00	40400	138.00	52	195.00	174
57.00	8135	95.00	321920	139.00	184	206.00	51
58.00	373	96.00	21600	140.00	306	207.00	97
59.00	142	97.00	523	141.00	4065	210.00	57
60.00	3138	100.00	62	142.00	516	211.00	154
61.00	14796	103.00	51	143.00	4163	220.00	53
62.00	14393	104.00	1034	144.00	229	226.00	84
63.00	11533	105.00	461	145.00	614	232.00	50
64.00	1334	106.00	1702	146.00	623	247.00	59
65.00	1152	107.00	464	147.00	384	256.00	136
66.00	161	108.00	58	148.00	966	262.00	65
67.00	763	110.00	266	149.00	288	279.00	55
68.00	33528	111.00	371	150.00	452	285.00	69
69.00	32608	112.00	236	152.00	286		
70.00	2326	113.00	269	153.00	366		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08680.d

Spectrum: Avg. Scans 46-48 (1.76), Background Scan 42

Location of Maximum: 95.00

Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	441	114.00	96	154.00	144		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/23aug06.b/o08680.d

Date : 23-AUG-2006 15:37

Client ID:

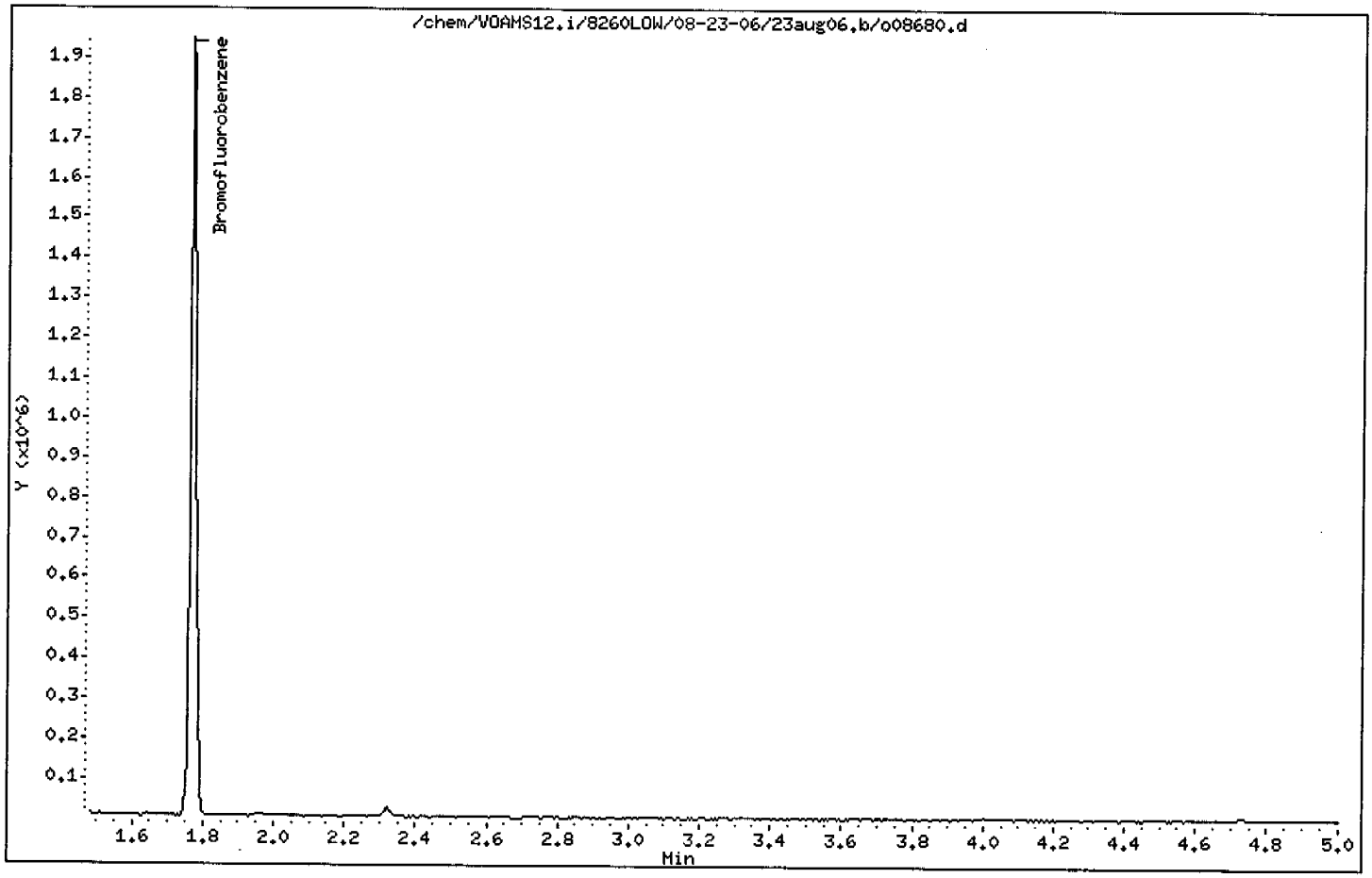
Instrument: VOAMS12.i

Sample Info: OBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: O08849

BFB Injection Date: 09/06/06

Instrument ID: VOAMS12

BFB Injection Time: 1148

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.6
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	81.5
175	5.0 - 9.0% of mass 174	5.9 (7.2)1
176	95.0 - 101.0% of mass 174	79.4 (97.4)1
177	5.0 - 9.0% of mass 176	5.3 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OSTD249	OSTD249	O08850	09/06/06	1205
02	OV249	OV249	O08853	09/06/06	1315
03	B1301-SS02	765863	O08870	09/06/06	2002
04	MW4-SS01	765876	O08871	09/06/06	2025
05	MW4-SS02	765877	O08872	09/06/06	2048
06					
07					
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22					

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08849.d

Date : 06-SEP-2006 11:48

Client ID:

Instrument: VOAMS12.i

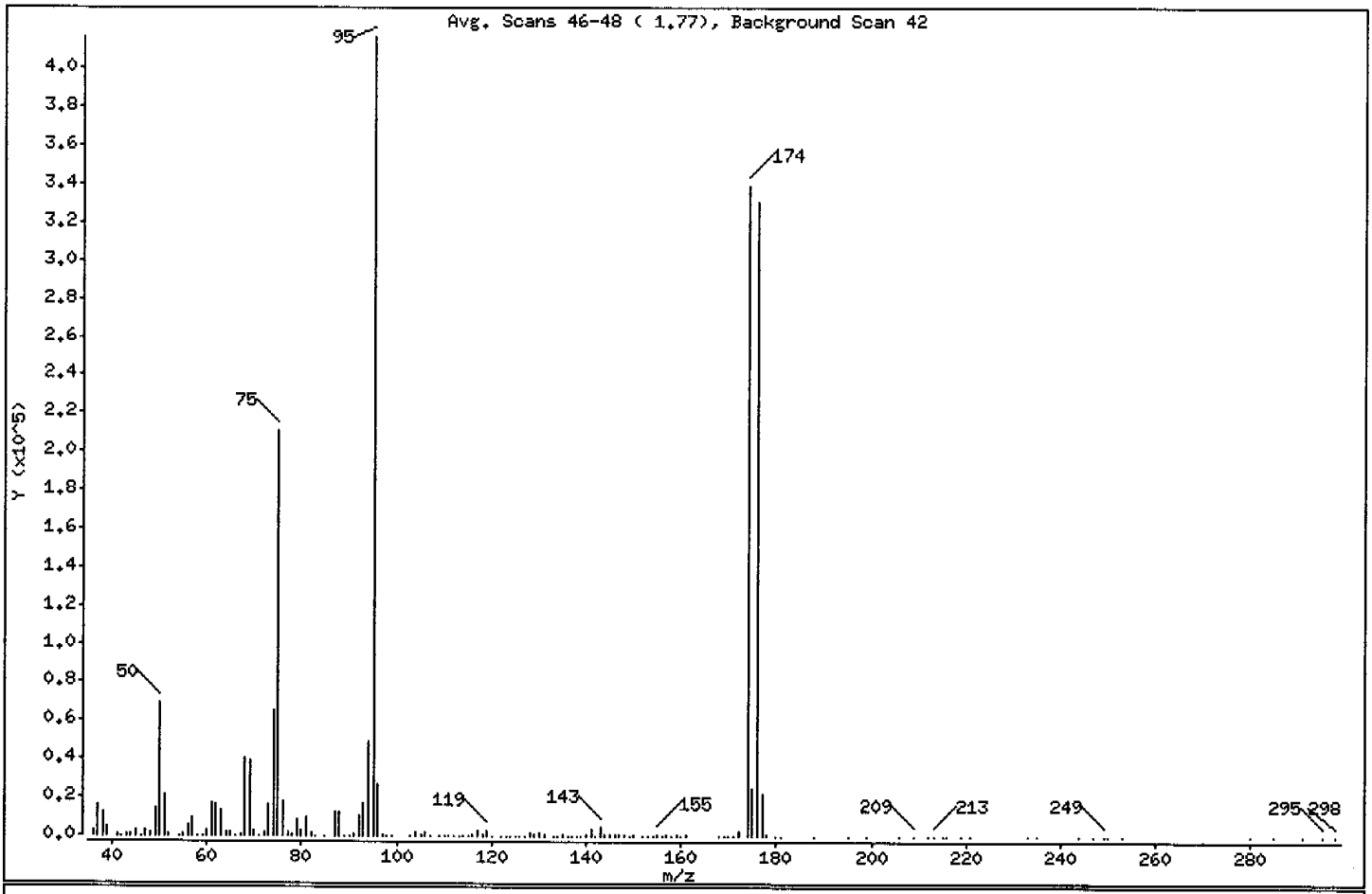
Sample Info: OBFB249

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.56
75	30.00 - 60.00% of mass 95	50.62
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	81.45
175	5.00 - 9.00% of mass 174	5.87 (7.21)
176	95.00 - 101.00% of mass 174	79.37 (97.44)
177	5.00 - 9.00% of mass 176	5.29 (6.67)

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08849.d

Date : 06-SEP-2006 11:48

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB249

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08849.d
Spectrum: Avg. Scans 46-48 (1.77), Background Scan 42
Location of Maximum: 95.00
Number of points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2728	76.00	17960	120.00	340	161.00	733
37.00	15911	77.00	2128	122.00	182	168.00	62
38.00	12510	78.00	1397	123.00	355	169.00	53
39.00	5218	79.00	8512	124.00	82	170.00	150
41.00	750	80.00	2538	125.00	54	171.00	92
42.00	313	81.00	9121	126.00	154	172.00	3165
43.00	867	82.00	1611	127.00	167	174.00	339456
44.00	1082	83.00	345	128.00	1732	175.00	24464
45.00	2667	85.00	464	129.00	840	176.00	330752
46.00	450	87.00	12555	130.00	1547	177.00	22048
47.00	3198	88.00	12363	131.00	667	178.00	569
48.00	1754	89.00	81	133.00	171	180.00	54
49.00	14441	90.00	81	134.00	118	181.00	91
50.00	68992	91.00	1429	135.00	1114	188.00	51
51.00	21264	92.00	10897	136.00	92	195.00	50
52.00	899	93.00	17480	137.00	386	199.00	50
54.00	149	94.00	48880	138.00	52	206.00	89
55.00	1227	95.00	416704	139.00	232	209.00	117
56.00	5316	96.00	26728	140.00	510	212.00	67
57.00	9419	97.00	713	141.00	3600	213.00	99
58.00	280	98.00	185	142.00	260	215.00	53
59.00	354	99.00	178	143.00	5198	216.00	60
60.00	3018	103.00	386	144.00	614	219.00	79
61.00	17088	104.00	1526	145.00	923	221.00	88
62.00	16018	105.00	526	146.00	519	233.00	66
63.00	13563	106.00	1611	147.00	602	235.00	52
64.00	1965	107.00	393	148.00	1203	244.00	88
65.00	2164	109.00	66	149.00	282	247.00	65
66.00	354	110.00	208	150.00	505	249.00	94
67.00	841	111.00	353	152.00	268	250.00	81
68.00	39760	112.00	432	153.00	372	253.00	50
69.00	38808	113.00	339	154.00	398	280.00	55
70.00	3235	114.00	80	155.00	1257	285.00	50
71.00	472	115.00	428	156.00	173	291.00	62
72.00	2162	116.00	1192	157.00	564	295.00	101

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08849.d

Date : 06-SEP-2006 11:48

Client ID:

Instrument: VOAMS12.i

Sample Info: OBFB249

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: o08849.d

Spectrum: Avg. Scans 46-48 (1.77), Background Scan 42

Location of Maximum: 95.00

Number of points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	16193	117.00	2587	158.00	112	298.00	64
74.00	64896	118.00	1199	159.00	520		
75.00	210944	119.00	2594	160.00	60		

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08849.d

Date : 06-SEP-2006 11:48

Client ID:

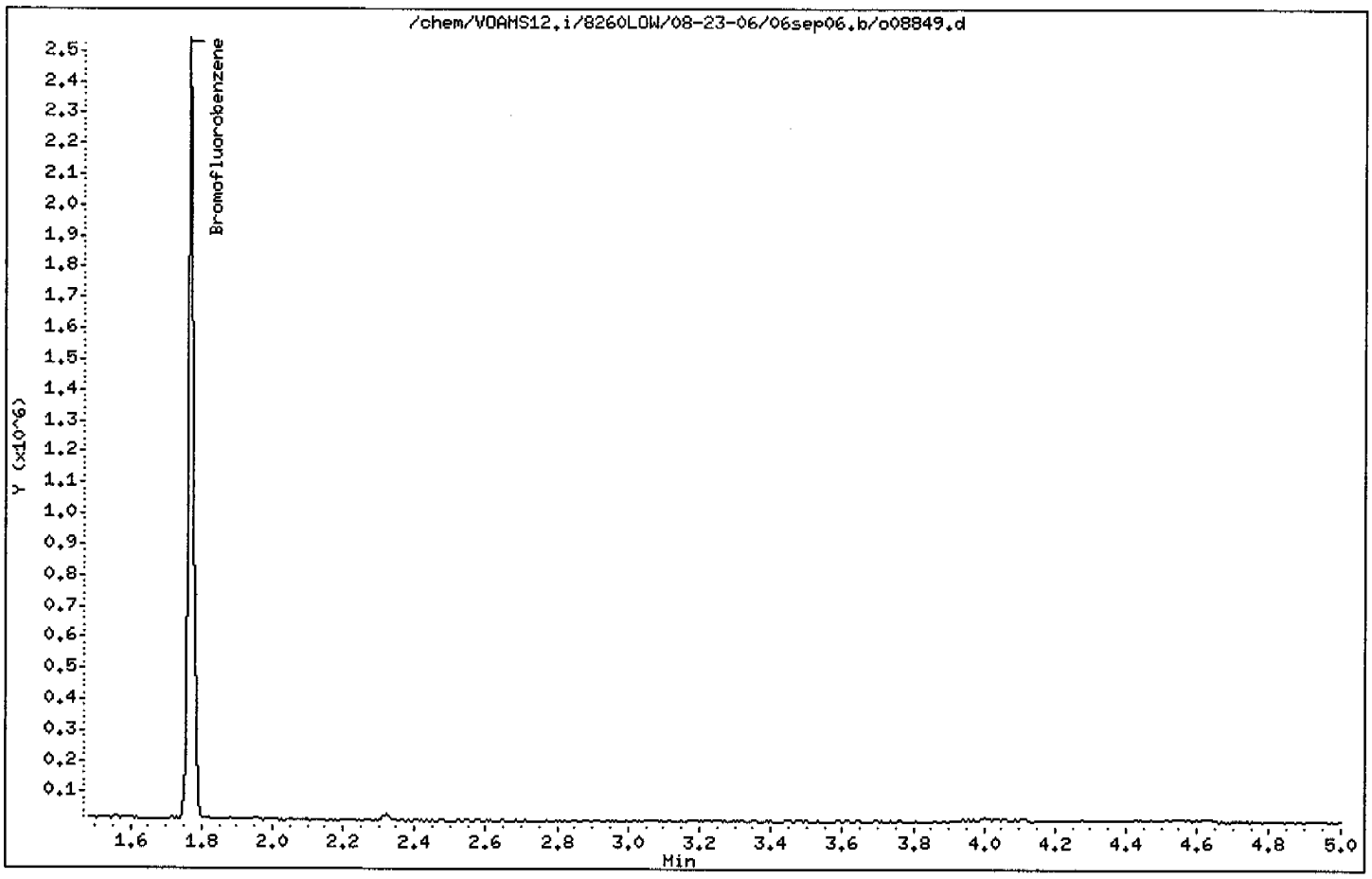
Instrument: VOAMS12.i

Sample Info: OBFB249

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: P06895

BFB Injection Date: 09/01/06

Instrument ID: VOAMS13

BFB Injection Time: 0850

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.9)1
174	50.0 - 100.0% of mass 95	69.9
175	5.0 - 9.0% of mass 174	5.1 (7.3)1
176	95.0 - 101.0% of mass 174	68.4 (97.8)1
177	5.0 - 9.0% of mass 176	4.8 (7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	PSTD005	PSTD005	P06896	09/01/06	0923
02	PSTD200	PSTD200	P06897	09/01/06	0945
03	PSTD100	PSTD100	P06898	09/01/06	1007
04	PSTD050	PSTD050	P06899	09/01/06	1029
05	PSTD020	PSTD020	P06901	09/01/06	1146
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21					
22					

Data File: /chem/VOAMS13.i/8260/09-01-06/01sep06.b/p06895.d

Date : 01-SEP-2006 08:50

Client ID:

Instrument: VOAMS13.i

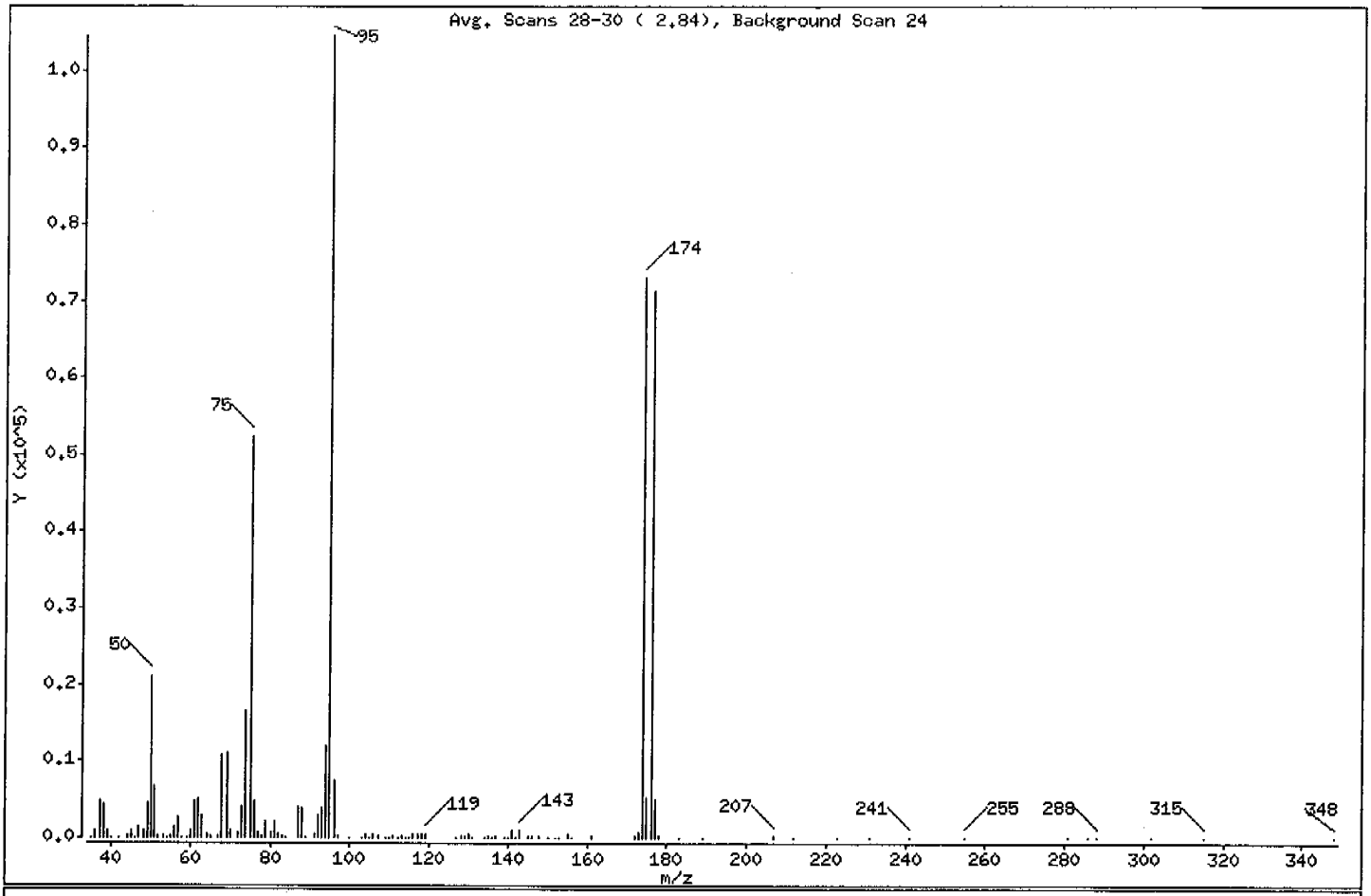
Sample Info: PBFB244

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.15
75	30.00 - 60.00% of mass 95	50.08
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.65 (0.92)
174	50.00 - 100.00% of mass 95	69.88
175	5.00 - 9.00% of mass 174	5.11 (7.31)
176	95.00 - 101.00% of mass 174	68.37 (97.84)
177	5.00 - 9.00% of mass 176	4.81 (7.03)

Data File: /chem/VOAMS13.i/8260/09-01-06/01sep06.b/p06895.d

Date : 01-SEP-2006 08:50

Client ID:

Instrument: VOAMS13.i

Sample Info: PBFB244

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: p06895.d

Spectrum: Avg. Scans 28-30 (2.84), Background Scan 24

Location of Maximum: 95.00

Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	62	68.00	10754	106.00	430	150.00	50
36.00	939	69.00	11119	107.00	164	152.00	88
37.00	4764	70.00	920	109.00	57	153.00	59
38.00	4239	72.00	694	110.00	64	155.00	421
39.00	1062	73.00	4066	111.00	123	156.00	67
40.00	8	74.00	16688	112.00	97	161.00	161
42.00	85	75.00	52312	113.00	122	172.00	167
44.00	325	76.00	4909	114.00	67	173.00	675
45.00	963	77.00	831	115.00	75	174.00	73000
46.00	53	78.00	263	116.00	409	175.00	5337
47.00	1376	79.00	2279	117.00	504	176.00	71424
48.00	904	80.00	788	118.00	434	177.00	5023
49.00	4495	81.00	2117	119.00	598	178.00	131
50.00	21048	82.00	574	127.00	73	183.00	59
51.00	6676	83.00	186	128.00	330	189.00	69
52.00	248	84.00	32	129.00	123	207.00	239
53.00	164	87.00	4141	130.00	376	212.00	74
54.00	55	88.00	3856	131.00	64	223.00	52
55.00	288	89.00	112	134.00	52	231.00	55
56.00	1466	91.00	465	135.00	241	241.00	84
57.00	2659	92.00	2876	136.00	82	255.00	62
58.00	60	93.00	3917	137.00	315	281.00	53
59.00	69	94.00	11918	139.00	59	286.00	53
60.00	952	95.00	104464	140.00	56	288.00	76
61.00	4835	96.00	7386	141.00	971	302.00	51
62.00	4941	97.00	290	142.00	95	315.00	61
63.00	2924	100.00	52	143.00	1017	348.00	120
64.00	452	103.00	53	145.00	141		
65.00	248	104.00	427	146.00	145		
67.00	211	105.00	56	148.00	183		

Data File: /chem/VOAMS13.i/8260/09-01-06/01sep06.b/p06895.d

Date : 01-SEP-2006 08:50

Client ID:

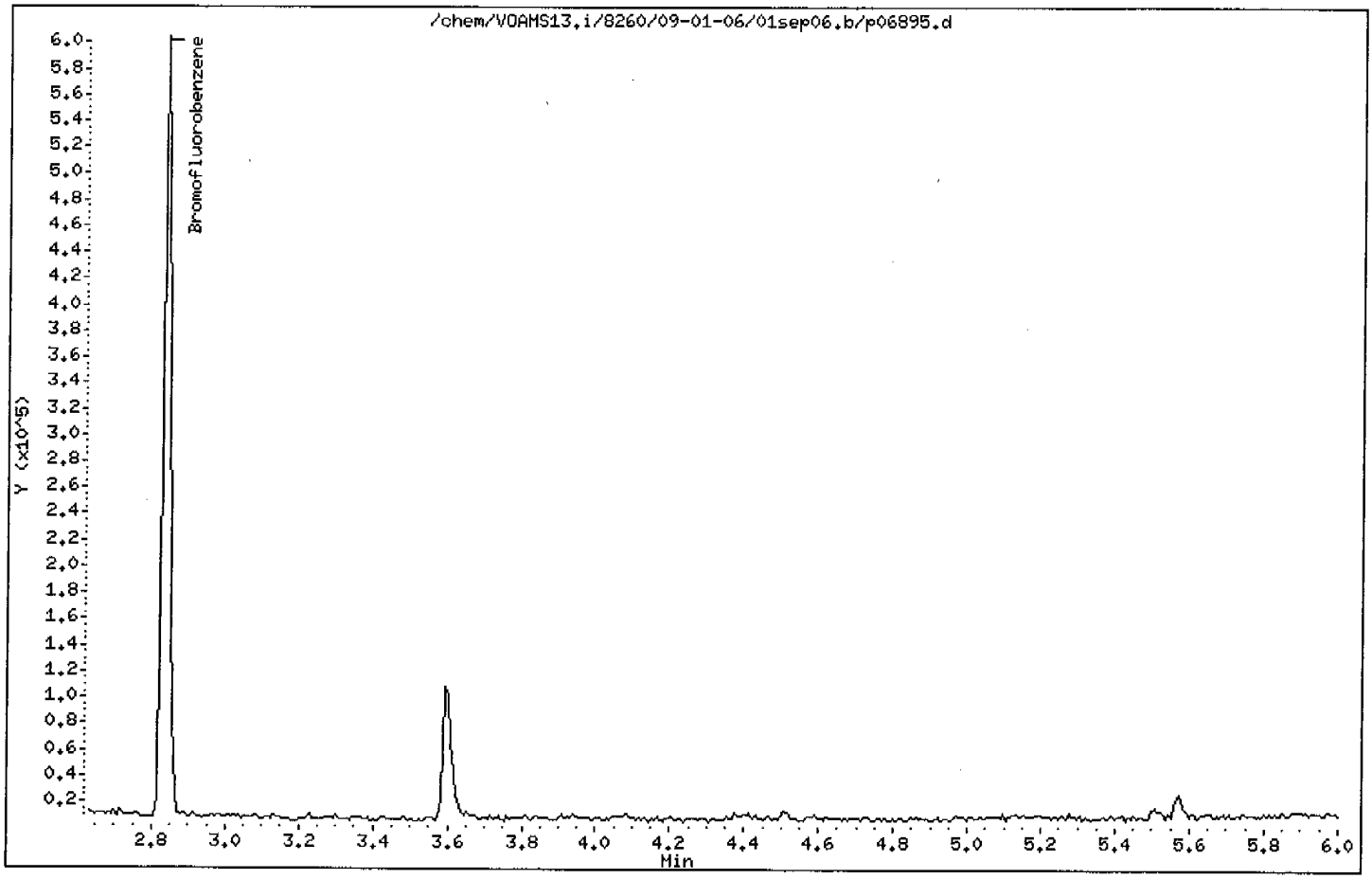
Instrument: VOAMS13.i

Sample Info: PBFB244

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: P06974

BFB Injection Date: 09/07/06

Instrument ID: VOAMS13

BFB Injection Time: 0819

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.0
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.8)1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.0 (7.4)1
176	95.0 - 101.0% of mass 174	64.7 (95.6)1
177	5.0 - 9.0% of mass 176	4.4 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	PSTD250	PSTD250	P06975	09/07/06	0837
02	PV250	PV250	P06978	09/07/06	1029
03	B1301-SS01	765862	P06989	09/07/06	1551
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06974.d

Date : 07-SEP-2006 08:19

Client ID:

Instrument: VOAMS13.i

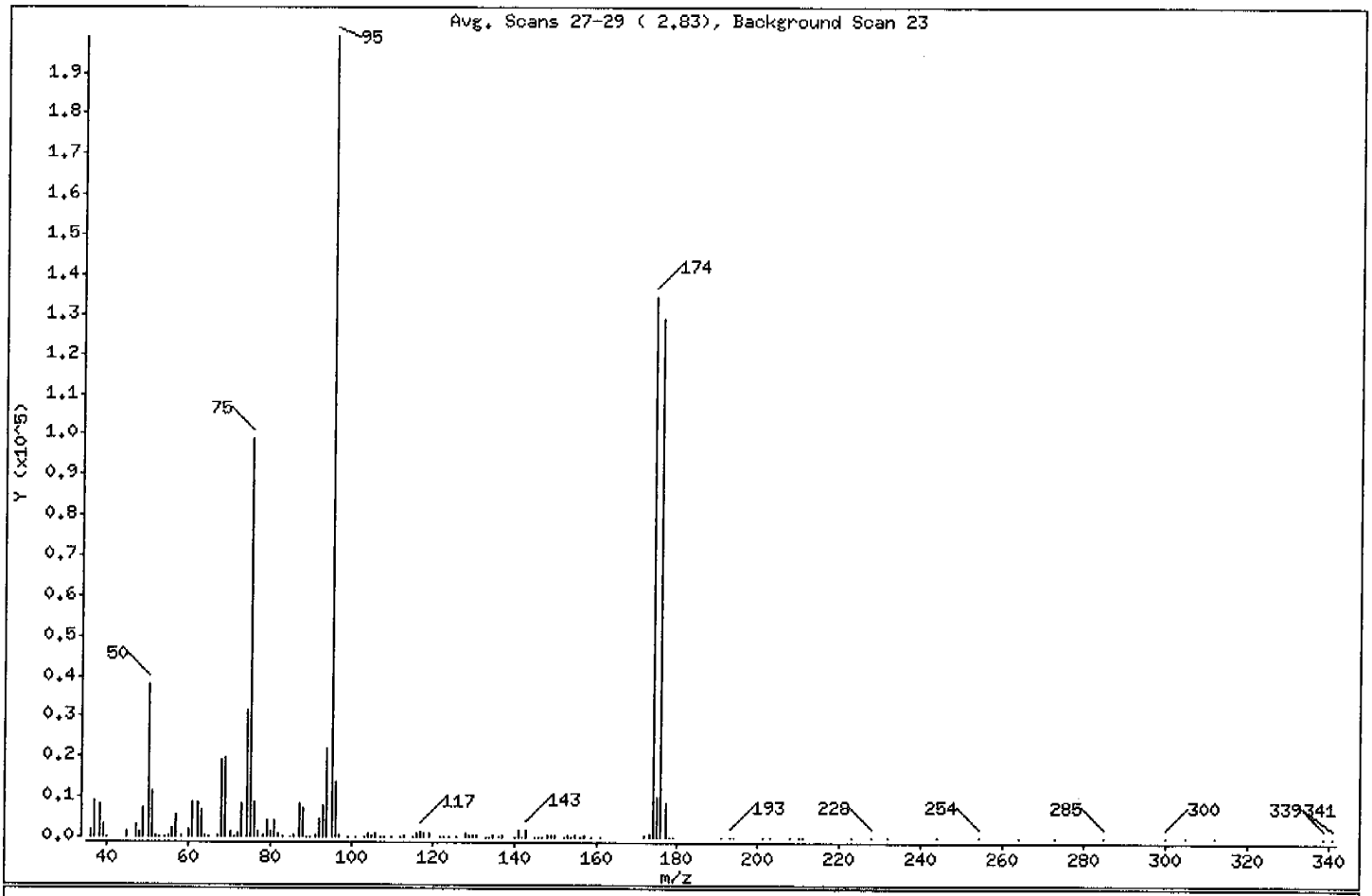
Sample Info: PBFB250

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.02
75	30.00 - 60.00% of mass 95	49.58
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.53 (0.78)
174	50.00 - 100.00% of mass 95	67.70
175	5.00 - 9.00% of mass 174	5.02 (7.42)
176	95.00 - 101.00% of mass 174	64.75 (95.63)
177	5.00 - 9.00% of mass 176	4.35 (6.72)

Data File: /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06974.d

Date : 07-SEP-2006 08:19

Client ID: Instrument: VOAMS13.i

Sample Info: PBFB250

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

Data File: p06974.d
Spectrum: Avg. Scans 27-29 (2.83), Background Scan 23
Location of Maximum: 95.00
Number of points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1859	76.00	8506	116.00	773	159.00	216
37.00	9146	77.00	1217	117.00	1155	161.00	180
38.00	8345	78.00	516	118.00	698	172.00	316
39.00	3170	79.00	4020	119.00	762	173.00	1048
40.00	11	80.00	1311	122.00	50	174.00	134656
45.00	1341	81.00	4052	123.00	122	175.00	9996
47.00	3215	82.00	859	124.00	58	176.00	128832
48.00	1344	83.00	177	126.00	105	177.00	8663
49.00	7213	85.00	53	128.00	802	178.00	181
50.00	37832	86.00	252	129.00	482	179.00	127
51.00	11301	87.00	8163	130.00	405	191.00	54
52.00	406	88.00	7474	131.00	322	193.00	187
53.00	158	89.00	58	133.00	74	194.00	52
54.00	53	90.00	53	134.00	78	201.00	56
55.00	459	91.00	384	135.00	311	203.00	50
56.00	2508	92.00	4766	136.00	52	208.00	108
57.00	5286	93.00	7725	137.00	273	210.00	108
58.00	368	94.00	21816	140.00	72	211.00	65
60.00	1861	95.00	198976	141.00	1755	223.00	54
61.00	8501	96.00	13726	142.00	152	228.00	63
62.00	8700	97.00	466	143.00	1846	232.00	51
63.00	6804	99.00	120	145.00	204	244.00	61
64.00	506	101.00	54	146.00	196	254.00	82
65.00	131	103.00	110	147.00	188	264.00	51
67.00	685	104.00	877	148.00	496	273.00	52
68.00	19224	105.00	310	149.00	250	285.00	68
69.00	19888	106.00	781	150.00	286	300.00	56
70.00	1522	107.00	205	152.00	61	305.00	51
71.00	62	108.00	104	153.00	258	312.00	52
72.00	919	110.00	120	154.00	126	339.00	57
73.00	8458	112.00	111	155.00	528	341.00	60
74.00	31688	113.00	262	156.00	131		
75.00	98648	115.00	174	157.00	413		

Data File: /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06974.d

Date : 07-SEP-2006 08:19

Client ID:

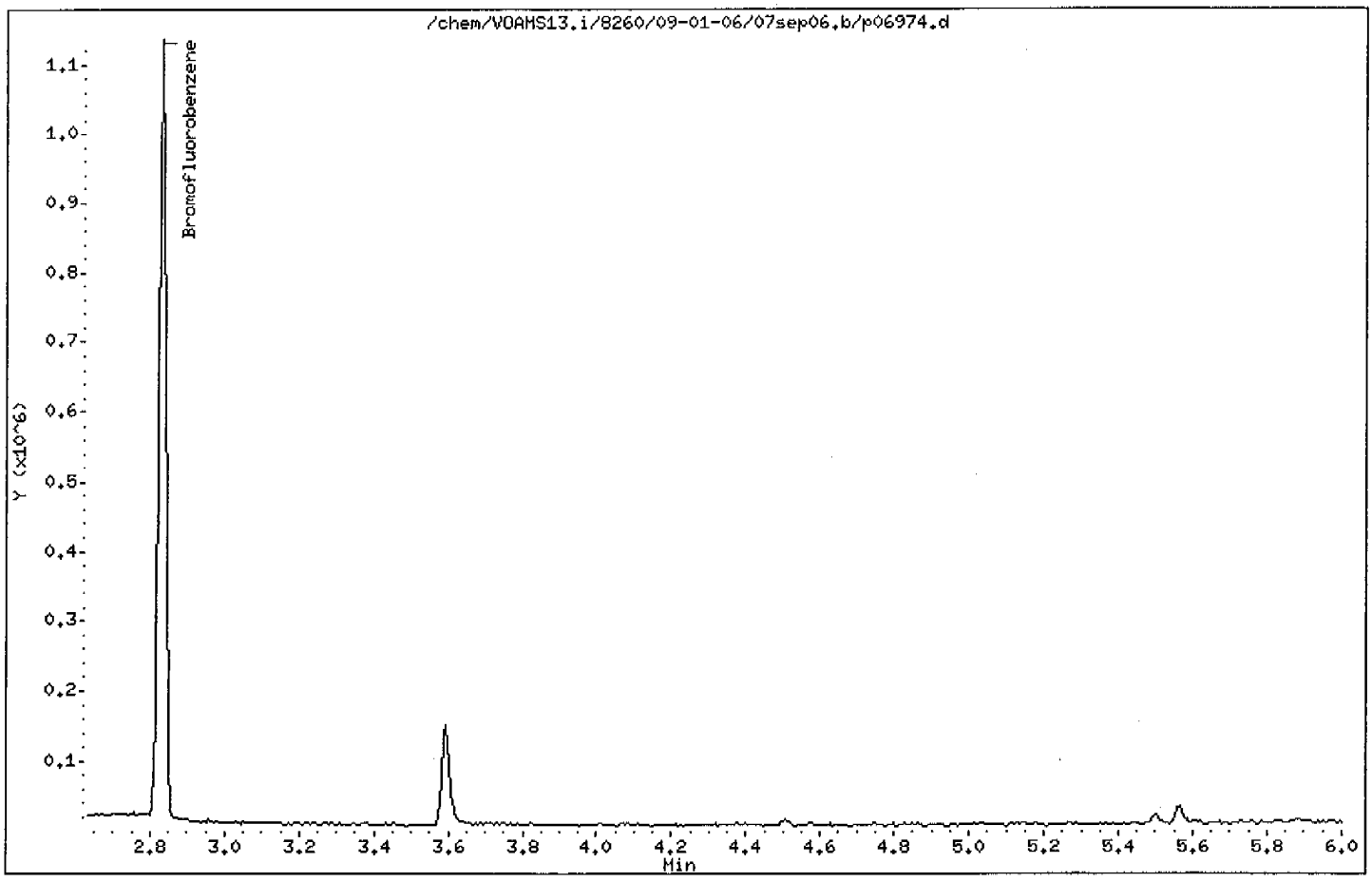
Instrument: VOAMS13.i

Sample Info: PBFB250

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

OV249

Matrix: SOIL

Level: LOW

Lab File ID: O08853

Instrument ID: VOAMS12

Date Analyzed: 09/06/06

Time Analyzed: 1315

Heated Purge (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B1301-SS02	765863	O08870	2002
02	MW4-SS01	765876	O08871	2025
03	MW4-SS02	765877	O08872	2048
04				
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COMMENTS:

Client ID: **OV249**
Site:

Lab Sample No: **OV249**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08853.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	0.8J	3.0
Acetone	2.8J	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **OV249**
Site:

Lab Sample No: **OV249**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08853.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
1,1-Dichloropropene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0

Client ID: **OV249**
Site:

Lab Sample No: **OV249**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08853.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
Isopropylbenzene	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methyl cyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **OV249**
Site:

Lab Sample No: **OV249**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08853.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0
Isobutyl Acetate	ND	5.0
Chlorodifluoromethane	ND	5.0
Cyclohexanone	ND	100
2-Nitropropane	ND	10
2-Methylnaphthalene	ND	5.0
tert-Amylmethyl Ether	ND	5.0
2-Heptanone	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
2-Chloropropene	ND	5.0

Client ID: **OV249**
Site:

Lab Sample No: **OV249**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/06/06
GC Column: DB624
Instrument ID: VOAMS12.i
Lab File ID: o08853.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08853.d
Report Date: 08-Sep-2006 15:19

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08853.d
Lab Smp Id: OV249 Client Smp ID: OV249
Inj Date : 06-SEP-2006 13:15
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : OV249
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/8260L_05.m
Meth Date : 06-Sep-2006 12:24 sylvanus Quant Type: ISTD
Cal Date : 23-AUG-2006 17:34 Cal File: o08685.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

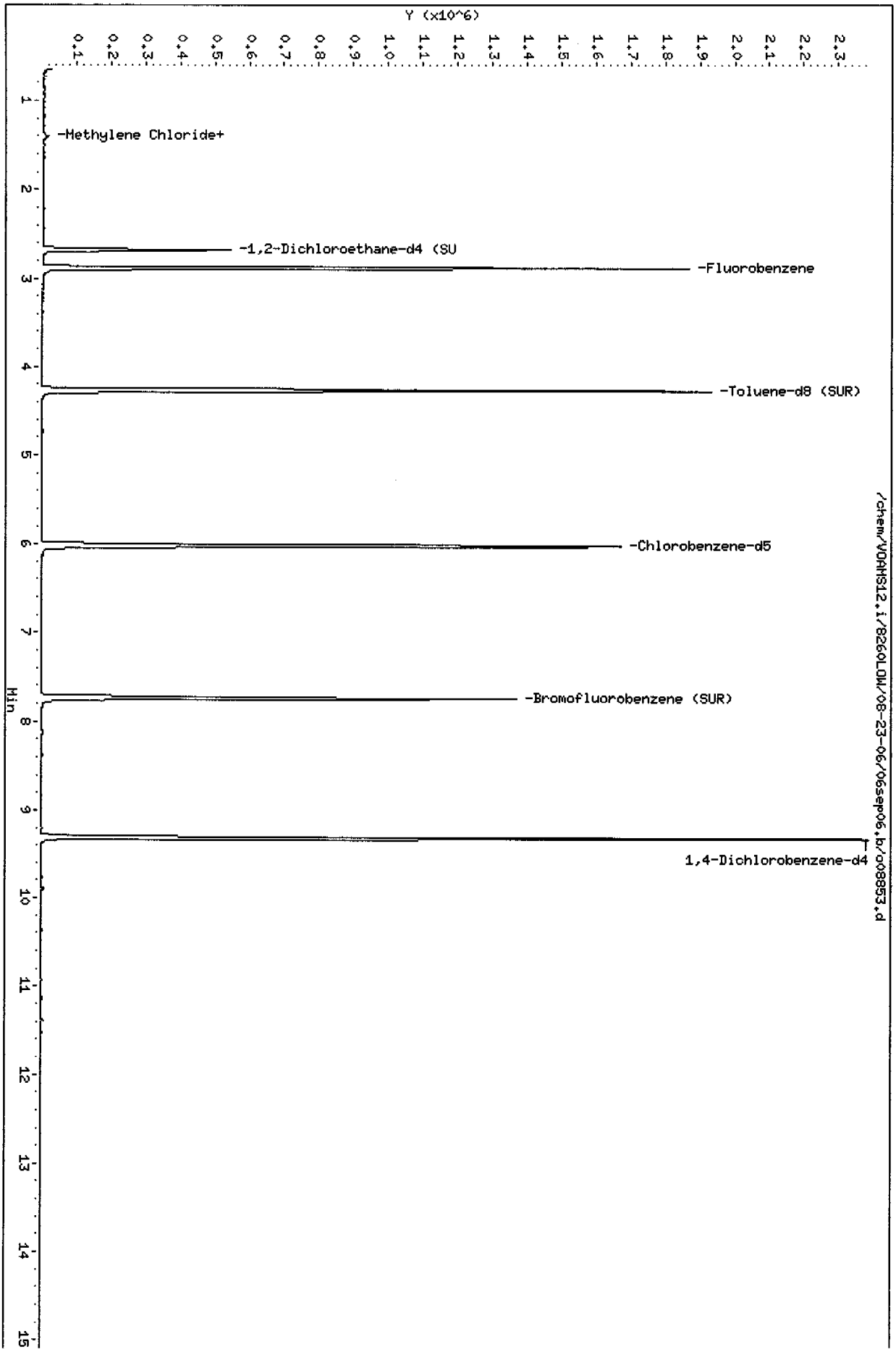
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	1.401	1.401	(0.486)	5878	0.79217	0.79(a)
	7 Acetone	43	1.432	1.432	(0.497)	4099	2.78468	2.8(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	2.681	2.675	(0.930)	355456	40.5989	40
*	69 Fluorobenzene	96	2.882	2.883	(1.000)	1437311	50.0000	
$	37 Toluene-d8 (SUR)	98	4.266	4.266	(0.709)	1215059	50.8273	51
*	32 Chlorobenzene-d5	117	6.016	6.016	(1.000)	1047744	50.0000	
$	41 Bromofluorobenzene (SUR)	174	7.735	7.735	(0.830)	449683	52.9607	53
*	91 1,4-Dichlorobenzene-d4	152	9.314	9.314	(1.000)	587591	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08853.d
Date : 06-SEP-2006 13:15
Client ID: OV249
Sample Info: OV249
Column phase: DB624
Instrument: VOAMS12.i
Operator: VOAMS 9
Column diameter: 0.53
Y (x10^6)
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Min
-Methylene Chloride+
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08853.d

Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08853.d

Date : 06-SEP-2006 13:15

Client ID: OV249

Instrument: VOAMS12.i

Sample Info: OV249

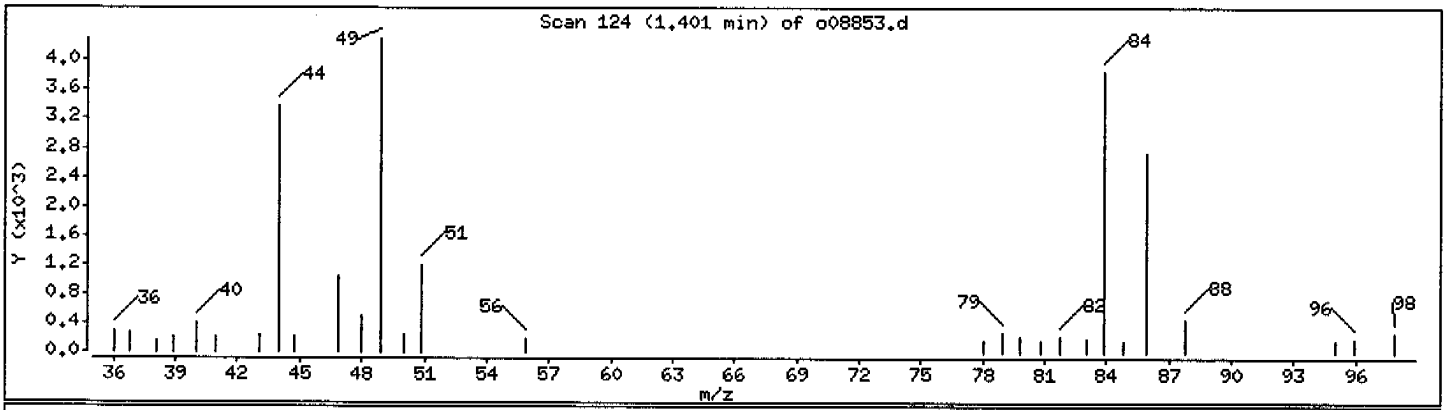
Operator: VOAMS 9

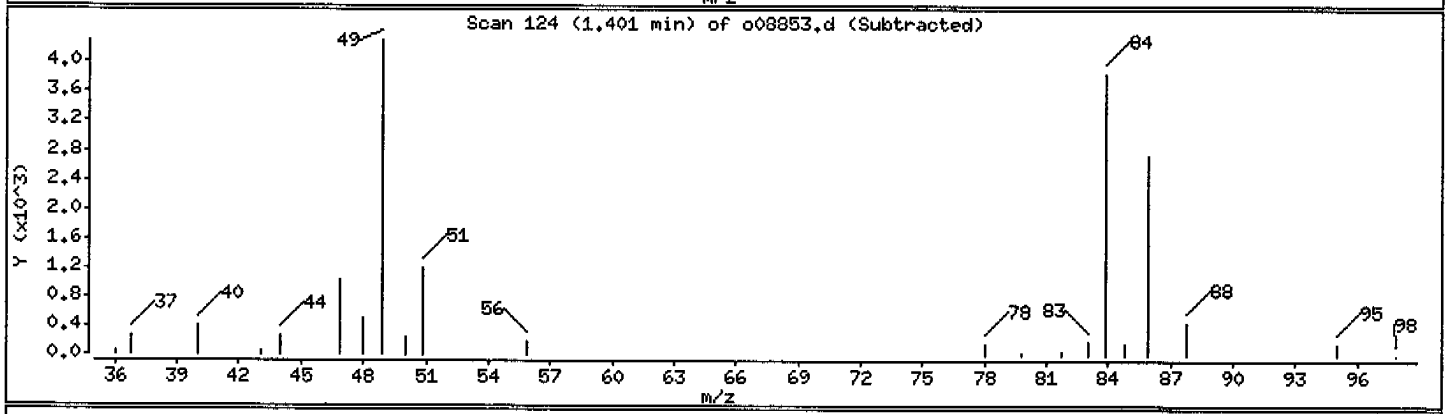
Column phase: DB624

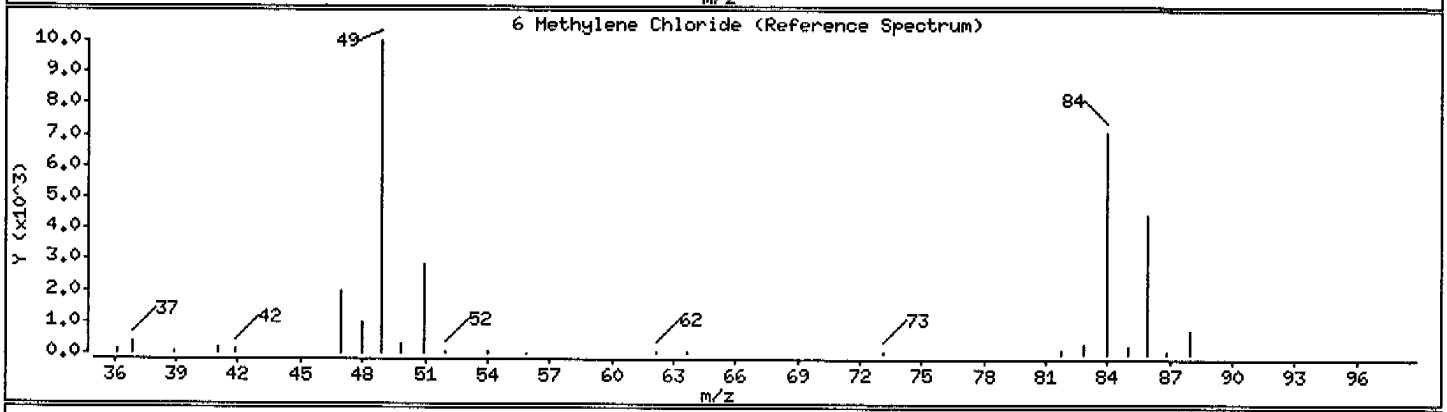
Column diameter: 0.53

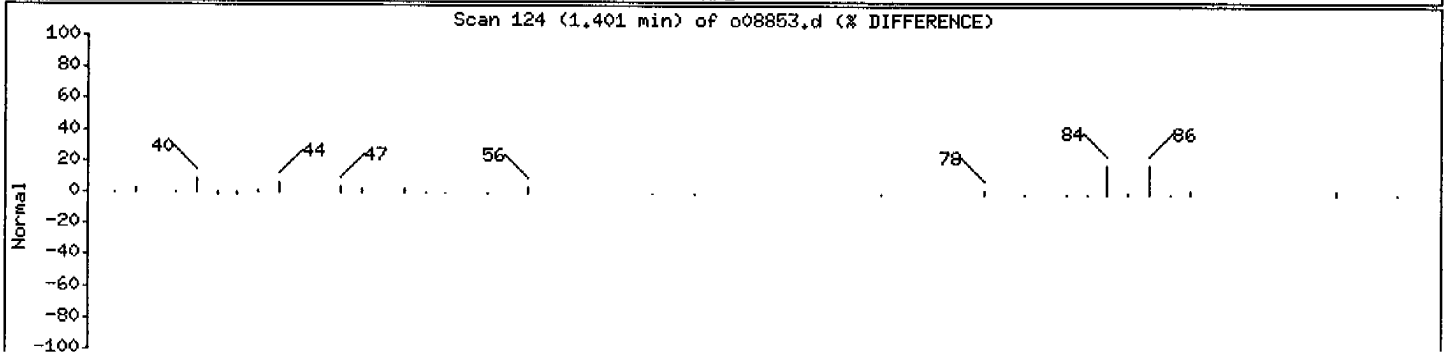
6 Methylene Chloride

Concentration: 0.79 ug/Kg









Data File: /chem/VOAMS12.i/8260LOW/08-23-06/06sep06.b/o08853.d

Date : 06-SEP-2006 13:15

Client ID: OV249

Instrument: VOAMS12.i

Sample Info: OV249

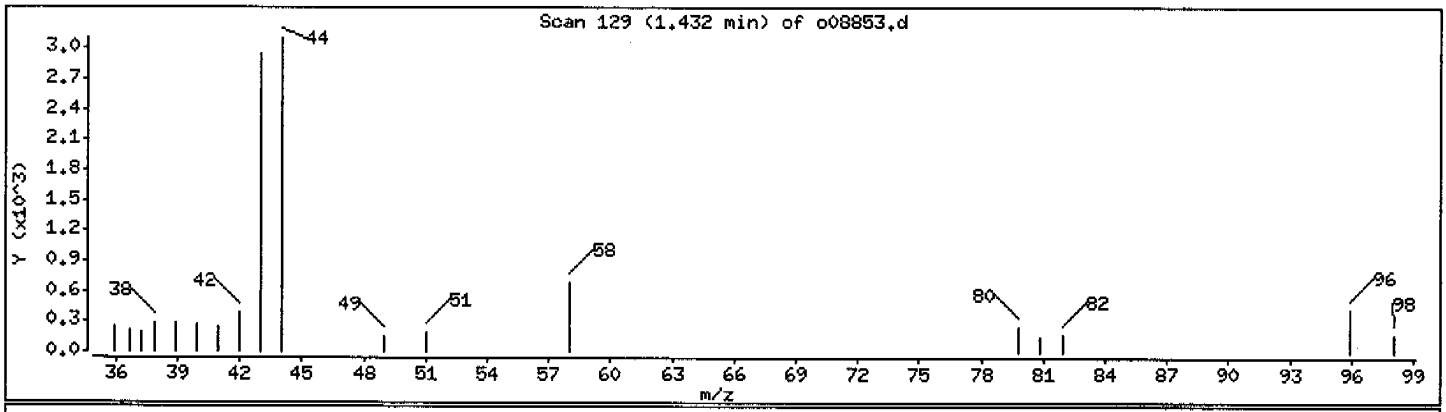
Operator: VOAMS 9

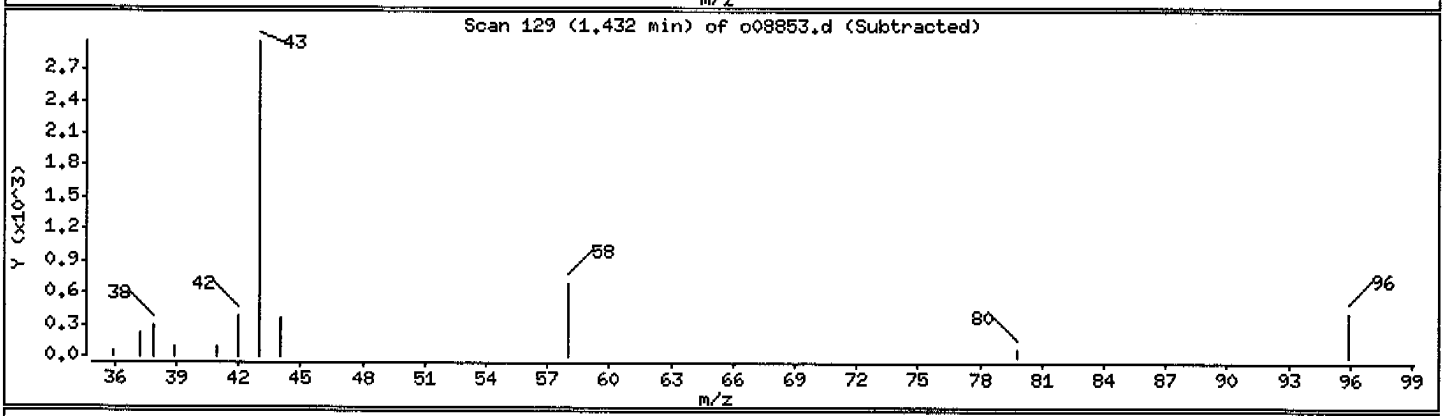
Column phase: DB624

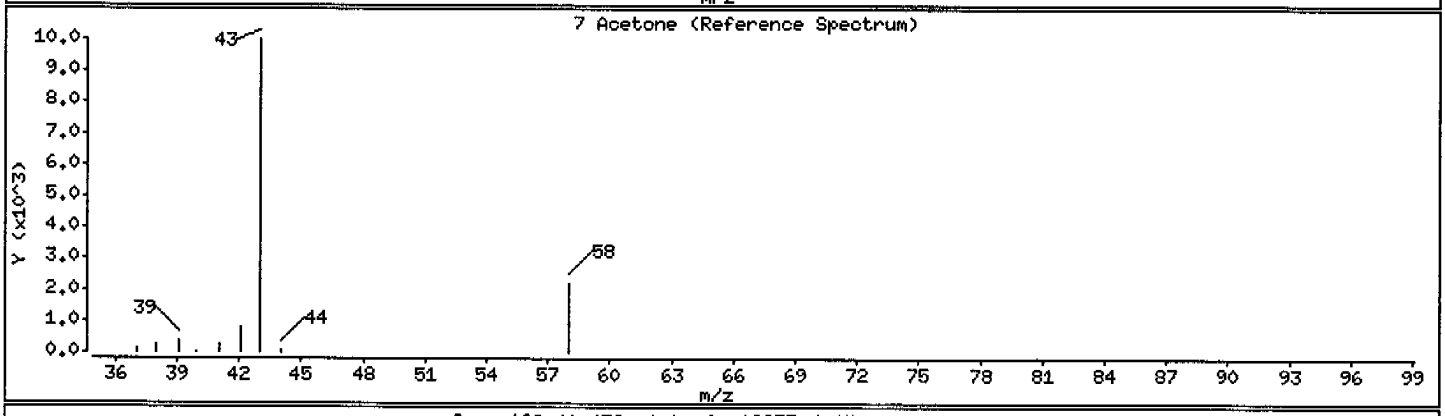
Column diameter: 0.53

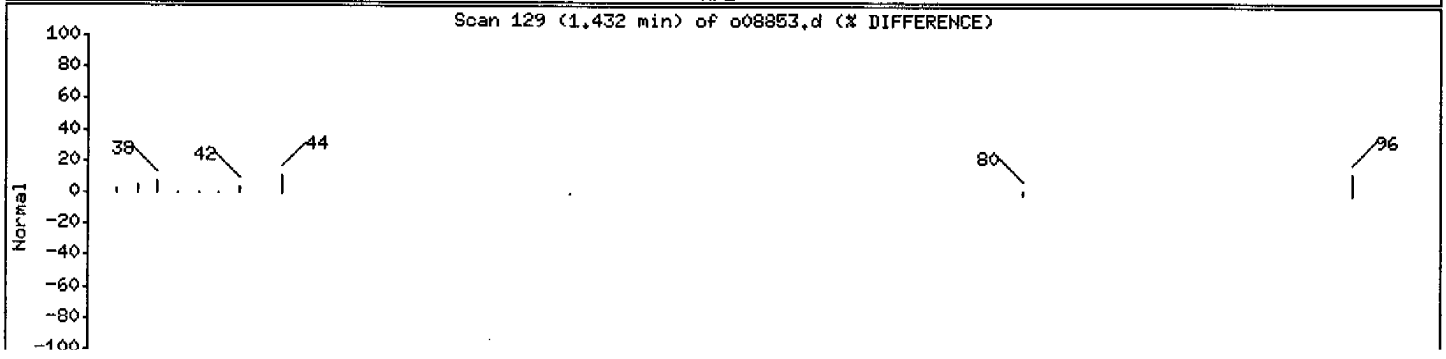
7 Acetone

Concentration: 2.8 ug/Kg









VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

PV250

Matrix: SOIL

Level: HIGH

Lab File ID: P06978

Instrument ID: VOAMS13

Date Analyzed: 09/07/06

Time Analyzed: 1029

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B1301-SS01	765862	P06989	1551
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
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17				
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25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **PV250**
Site:

Lab Sample No: **PV250**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06978.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl Chloride	ND	500
Chloroethane	ND	500
Methylene Chloride	ND	300
Acetone	ND	500
Carbon Disulfide	ND	500
Trichlorofluoromethane	ND	500
1,1-Dichloroethene	ND	200
1,1-Dichloroethane	ND	500
trans-1,2-Dichloroethene	ND	500
cis-1,2-Dichloroethene	ND	500
Chloroform	ND	500
1,2-Dichloroethane	ND	200
2-Butanone	ND	500
1,1,1-Trichloroethane	ND	500
Carbon Tetrachloride	ND	200
Bromodichloromethane	ND	100
1,2-Dichloropropane	ND	100
cis-1,3-Dichloropropene	ND	500
Trichloroethene	ND	100
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	300
Benzene	ND	100
trans-1,3-Dichloropropene	ND	500
2-Chloroethyl Vinyl Ether	ND	500
Bromoform	ND	400
4-Methyl-2-Pentanone	ND	500
2-Hexanone	ND	500
Tetrachloroethene	ND	100
1,1,2,2-Tetrachloroethane	ND	100
Toluene	ND	500
Chlorobenzene	ND	500
Ethylbenzene	ND	400

Client ID: **PV250**
Site:

Lab Sample No: **PV250**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06978.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	500
Xylene (Total)	ND	500
Ethyl Ether	ND	500
Acrolein	ND	10000
Freon TF	ND	500
Isopropanol	ND	50000
Acetonitrile	ND	10000
TBA	ND	10000
Acrylonitrile	ND	5000
MTBE	ND	500
Hexane	ND	500
DIPE	ND	500
Ethyl Acetate	ND	1000
Vinyl Acetate	ND	500
Tetrahydrofuran	ND	500
Cyclohexane	ND	500
Isobutanol	ND	50000
Isopropyl Acetate	ND	1000
n-Heptane	ND	500
n-Butanol	ND	50000
Propyl Acetate	ND	1000
Butyl Acetate	ND	1000
1,2-Dibromoethane	ND	500
1,3-Dichlorobenzene	ND	500
1,4-Dichlorobenzene	ND	500
1,2-Dichlorobenzene	ND	500
Naphthalene	ND	500
Methylnaphthalene (total)	ND	500
Dimethylnaphthalene (total)	ND	500
1,1-Dichloropropene	ND	500
Hexachlorobutadiene	ND	500
1,4-Dioxane	ND	100000
Methyl Acrylate	ND	500
1,1,1,2-Tetrachloroethane	ND	500

Client ID: **PV250**
Site:

Lab Sample No: **PV250**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06978.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	500
Dichlorodifluoromethane	ND	500
1,2,3-Trichloropropane	ND	500
1,2,4-Trimethylbenzene	ND	500
1,3,5-Trimethylbenzene	ND	500
Isopropylbenzene	ND	500
1,3-Dichloropropane	ND	500
2,2-Dichloropropane	ND	500
2-Chlorotoluene	ND	500
4-Chlorotoluene	ND	500
Bromobenzene	ND	500
1,2,4-Trichlorobenzene	ND	500
Bromochloromethane	ND	500
Dibromomethane	ND	500
n-Butylbenzene	ND	500
n-Propylbenzene	ND	500
p-Isopropyltoluene	ND	500
sec-Butylbenzene	ND	500
tert-Butylbenzene	ND	500
Allyl chloride	ND	500
Benzyl chloride	ND	500
Epichlorohydrin	ND	10000
Isoprene	ND	500
Methyl methacrylate	ND	500
n-Pentane	ND	500
Allyl alcohol	ND	100000
2-Octanol	ND	1000
2-Octanone	ND	500
Ethyl Acrylate	ND	500
Methyl Acetate	ND	500
Butyl Acrylate	ND	500
Methyl cyclohexane	ND	500
Butyl Methacrylate	ND	500
1,2-Dibromo-3-chloropropane	ND	500

Client ID: **PV250**
Site:

Lab Sample No: **PV250**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06978.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Ethyl methacrylate	ND	500
Ethanol	ND	50000
Cyclohexanone	ND	10000
p-Ethyltoluene	ND	500
1,4-Diethylbenzene	ND	500
1,2,4,5-Tetramethylbenzene	ND	500
Propylene Oxide	ND	5000
Camphene (total)	ND	2000
Camphor	ND	2000
Amyl Acetate	ND	1000
2-Methylnaphthalene	ND	500
1-Chlorohexane	ND	500
Chlorotrifluoromethane	ND	500
Chlorodifluoromethane	ND	500
tert-Amylmethyl Ether	ND	500
Iodomethane	ND	500
trans-1,4-Dichloro-2-butene	ND	500
Acetaldehyde	ND	1000
1,3,5-Trichlorobenzene	ND	500
1,2-Dichlorotrifluoroethane	ND	500
1-Bromo-2-chloroethane	ND	500
4-Chlorobenzotrifluoride	ND	500
2-Chloropropene	ND	500
tert-Butyl ethyl ether	ND	500
1,3-Butadiene	ND	500

Client ID: **PV250**
Site:

Lab Sample No: **PV250**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/07/06
GC Column: RTX-VMS
Instrument ID: VOAMS13.i
Lab File ID: p06978.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06978.d
Report Date: 11-Sep-2006 11:29

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06978.d
Lab Smp Id: PV250 Client Smp ID: PV250
Inj Date : 07-SEP-2006 10:29
Operator : VOAMS 4 Inst ID: VOAMS13.i
Smp Info : PV250
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260/09-01-06/07sep06.b/8260H_05.m
Meth Date : 07-Sep-2006 09:45 riaz Quant Type: ISTD
Cal Date : 01-SEP-2006 11:46 Cal File: p06901.d
Als bottle: 9 QC Sample: BLANK
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

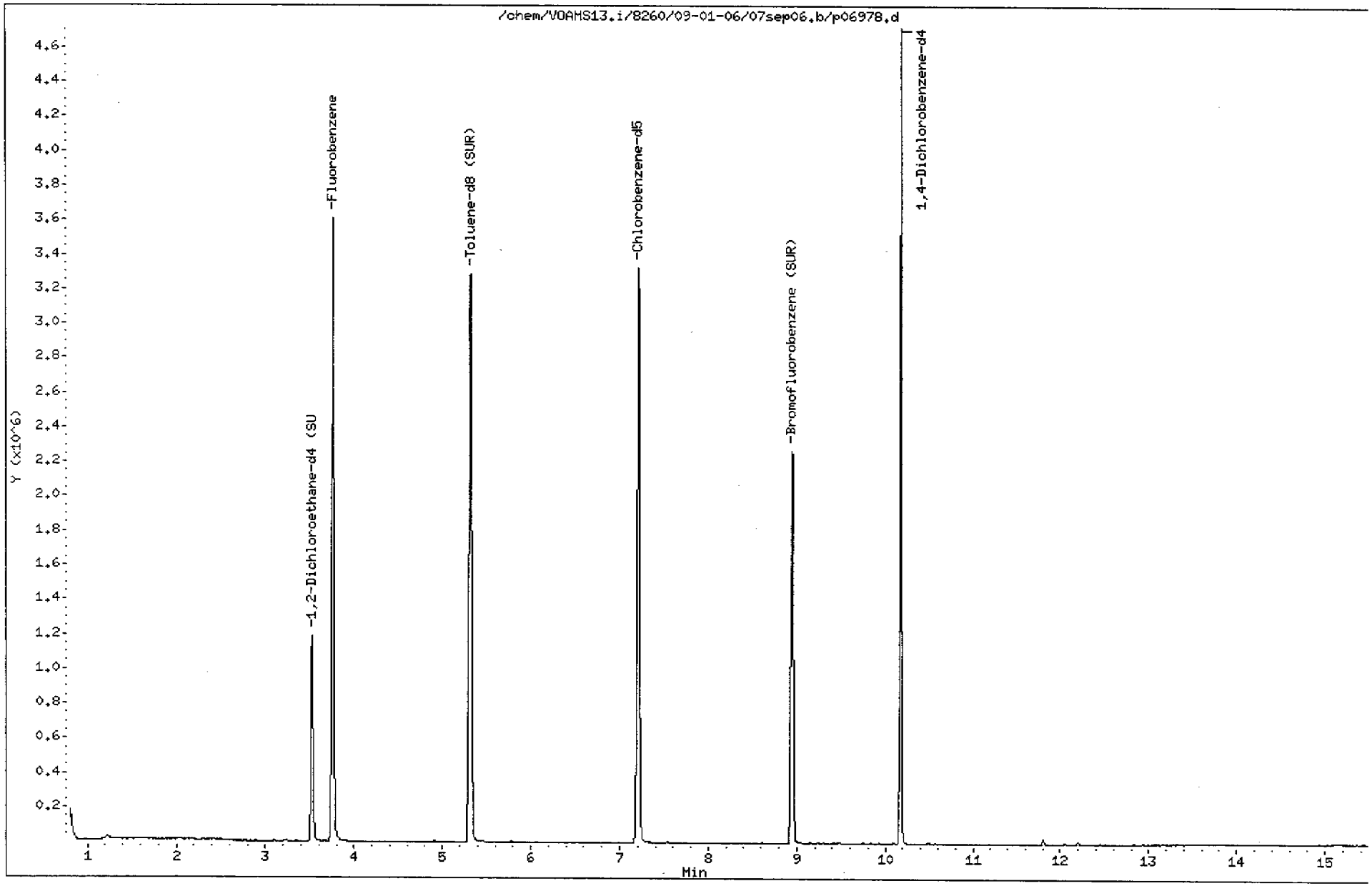
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.523	3.523	(0.937)	759816	52.8366	5300
* 19 Fluorobenzene	96	3.760	3.759	(1.000)	2917554	50.0000	
$ 37 Toluene-d8 (SUR)	98	5.321	5.321	(0.739)	2279823	53.3153	5300
* 32 Chlorobenzene-d5	117	7.205	7.212	(1.000)	2128744	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.953	8.953	(0.880)	629030	53.9191	5400
* 91 1,4-Dichlorobenzene-d4	152	10.171	10.178	(1.000)	997856	50.0000	

Data File: /chem/VOAMS13.i/8260/09-01-06/07sep06.b/p06978.d
Date : 07-SEP-2006 10:29
Client ID: PV250
Sample Info: PV250

Column phase: RTX-VMS

Instrument: VOAMS13.i

Operator: VOAMS 4
Column diameter: 0.18



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Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

LAB FILE ID: RRF5: O08681 RRF20: O08682 RRF50: O08683
RRF100: O08684 RRF200: O08685

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.236	0.219	0.244	0.206	0.196
Bromomethane	0.198	0.193	0.193	0.195	0.178
Vinyl Chloride	0.242	0.239	0.282	0.238	0.228
Chloroethane	0.154	0.118	0.086	0.128	0.089
Methylene Chloride	0.272	0.262	0.286	0.226	0.244
Acetone	0.086	0.048	0.046	0.040	0.036
Carbon Disulfide	0.703	0.791	0.784	0.754	0.716
Trichlorofluoromethane	0.629	0.673	0.592	0.667	0.601
1,1-Dichloroethene	0.229	0.234	0.263	0.226	0.242
1,1-Dichloroethane	0.355	0.409	0.448	0.398	0.450
trans-1,2-Dichloroethene	0.234	0.243	0.253	0.247	0.286
cis-1,2-Dichloroethene	0.264	0.276	0.288	0.262	0.304
Chloroform	0.455	0.515	0.524	0.484	0.561
1,2-Dichloroethane	0.328	0.354	0.352	0.318	0.380
2-Butanone	0.036	0.036	0.036	0.034	0.036
1,1,1-Trichloroethane	0.437	0.527	0.542	0.522	0.578
Carbon Tetrachloride	0.418	0.499	0.494	0.489	0.543
Bromodichloromethane	0.321	0.335	0.350	0.339	0.392
1,2-Dichloropropane	0.166	0.176	0.175	0.170	0.194
cis-1,3-Dichloropropene	0.244	0.302	0.334	0.324	0.380
Trichloroethene	0.306	0.293	0.292	0.282	0.320
Dibromochloromethane	0.240	0.285	0.300	0.316	0.375
1,1,2-Trichloroethane	0.147	0.157	0.155	0.157	0.179
Benzene	0.915	0.954	0.940	0.886	1.000
trans-1,3-Dichloropropene	0.288	0.351	0.374	0.402	0.456
2-Chloroethyl Vinyl Ether	0.052	0.068	0.074	0.084	0.087
Bromoform	0.156	0.187	0.211	0.219	0.266
4-Methyl-2-Pentanone	0.075	0.099	0.108	0.117	0.118
2-Hexanone	0.060	0.094	0.114	0.112	0.116
Tetrachloroethene	0.453	0.468	0.450	0.441	0.466
1,1,2,2-Tetrachloroethane	0.384	0.395	0.386	0.392	0.448
Toluene	1.230	1.486	1.427	1.372	1.458
Chlorobenzene	0.920	1.016	1.001	0.928	0.997
Ethylbenzene	0.348	0.538	0.560	0.510	0.541
Styrene	0.679	1.029	1.113	1.001	1.090
Xylene (Total)	0.510	0.690	0.725	0.646	0.686
Ethyl Ether	0.118	0.122	0.122	0.130	0.130
Acrolein	0.007	0.005	0.005	0.005	0.005
Freon TF	0.250	0.305	0.271	0.298	0.297

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

LAB FILE ID: RRF5: O08681 RRF20: O08682 RRF50: O08683
RRF100: O08684 RRF200: O08685

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile	0.017	0.014	0.015	0.013	0.013
TBA	0.018	0.017	0.019	0.018	0.018
Acrylonitrile	0.050	0.043	0.047	0.042	0.045
MTBE	0.468	0.514	0.523	0.556	0.560
Hexane					
DIPE	0.415	0.472	0.456	0.487	0.482
Ethyl Acetate	0.018	0.018	0.017	0.018	0.019
Vinyl Acetate	0.170	0.148	0.130	0.142	0.145
Tetrahydrofuran					
Cyclohexane	0.307	0.368	0.344	0.368	0.373
Isobutanol					
Isopropyl Acetate	0.133	0.145	0.157	0.173	0.176
n-Heptane					
n-Butanol					
Propyl Acetate					
Butyl Acetate	0.136	0.198	0.206	0.245	0.248
1,2-Dibromoethane	0.193	0.216	0.226	0.231	0.262
1,3-Dichlorobenzene	1.305	1.570	1.553	1.401	1.508
1,4-Dichlorobenzene	1.518	1.610	1.582	1.414	1.510
1,2-Dichlorobenzene	1.240	1.480	1.484	1.311	1.407
Naphthalene	1.322	1.243	1.711	1.637	1.690
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
1,1-Dichloropropene	0.295	0.360	0.363	0.349	0.392
Hexachlorobutadiene	0.746	0.873	0.910	0.724	0.603
1,4-Dioxane	0.003	0.002	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.304	0.356	0.363	0.366	0.407
1,2,3-Trichlorobenzene	0.660	0.824	0.982	0.849	0.839
Dichlorodifluoromethane	0.412	0.444	0.474	0.393	0.377
1,2,3-Trichloropropane	0.159	0.164	0.160	0.163	0.185
1,2,4-Trimethylbenzene	1.842	2.795	2.850	2.532	2.707
1,3,5-Trimethylbenzene	1.798	2.787	2.819	2.542	2.712
1,3-Dichloropropane	0.277	0.326	0.334	0.343	0.393
Isopropylbenzene	1.233	1.911	2.083	1.818	1.950
2,2-Dichloropropane	0.380	0.459	0.464	0.449	0.502
2-Chlorotoluene	1.767	2.315	2.179	1.991	2.112
4-Chlorotoluene	1.835	2.382	2.321	2.110	2.248

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

LAB FILE ID: RRF5: O08681 RRF20: O08682 RRF50: O08683
RRF100: O08684 RRF200: O08685

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Bromobenzene	0.632	0.755	0.739	0.697	0.762
1,2,4-Trichlorobenzene	0.655	0.895	1.064	0.935	0.944
Bromochloromethane	0.149	0.153	0.168	0.139	0.155
Dibromomethane	0.127	0.141	0.143	0.132	0.154
n-Butylbenzene	1.755	2.774	2.908	2.465	2.399
n-Propylbenzene	2.262	3.505	3.518	3.196	3.394
p-Isopropyltoluene	2.235	3.405	3.465	2.977	3.044
sec-Butylbenzene	2.416	3.508	3.515	3.038	3.089
tert-Butylbenzene	1.537	2.525	2.536	2.262	2.384
Allyl chloride					
Benzyl chloride	0.702	0.943	1.003	1.148	1.171
Epichlorohydrin					
Isoprene	0.239	0.272	0.256	0.290	0.294
Methyl methacrylate					
n-Pentane	0.037	0.038	0.028	0.037	0.036
Allyl alcohol					
Cyclohexene					
Ethyl methacrylate					
Methyl acetate	0.141	0.120	0.132	0.132	0.127
Methyl cyclohexane	0.402	0.498	0.461	0.485	0.487
Ethanol					
p-Ethyltoluene					
1,2-Dibromo-3-chloropropane	0.091	0.096	0.109	0.106	0.120
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Isobutyl Acetate					
Chlorodifluoromethane					
Cyclohexanone					
2-Nitropropane					
2-Methylnaphthalene					
tert-Amylmethyl Ether					
2-Heptanone					
Iodomethane					
trans-1,4-Dichloro-2-butene					
2-Chloropropene					
1,2-Dichloroethane-d4 (SUR)	0.362	0.325	0.307	0.259	0.269
Toluene-d8 (SUR)	1.284	1.206	1.148	1.056	1.009
Bromofluorobenzene (SUR)	0.789	0.740	0.727	0.684	0.673

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.22053521	9.1**
Bromomethane	AVRG	0.19154023	4.1*
Vinyl Chloride	AVRG	0.24576780	8.5*
Chloroethane	AVRG	0.11513218	24.5*
Methylene Chloride	AVRG	0.25812379	9.2*
Acetone	AVRG	0.05120604	39.5*
Carbon Disulfide	AVRG	0.74956587	5.2*
Trichlorofluoromethane	AVRG	0.63230233	5.9*
1,1-Dichloroethene	AVRG	0.23888460	6.2*
1,1-Dichloroethane	AVRG	0.41195649	9.5**
trans-1,2-Dichloroethene	AVRG	0.25264400	7.8*
cis-1,2-Dichloroethene	AVRG	0.27887063	6.2*
Chloroform	AVRG	0.50789938	7.9*
1,2-Dichloroethane	AVRG	0.34647942	7.0*
2-Butanone	AVRG	0.03549078	2.0*
1,1,1-Trichloroethane	AVRG	0.52131397	10.0*
Carbon Tetrachloride	AVRG	0.48868607	9.2*
Bromodichloromethane	AVRG	0.34733537	7.8*
1,2-Dichloropropane	AVRG	0.17612011	6.0*
cis-1,3-Dichloropropene	AVRG	0.31659665	15.6*
Trichloroethene	AVRG	0.29860667	4.9*
Dibromochloromethane	AVRG	0.30341637	16.2*
1,1,2-Trichloroethane	AVRG	0.15906337	7.5*
Benzene	AVRG	0.93901214	4.5*
trans-1,3-Dichloropropene	AVRG	0.37435676	16.5*
2-Chloroethyl Vinyl Ether	AVRG	0.07274880	19.2*
Bromoform	AVRG	0.20802465	19.6**
4-Methyl-2-Pentanone	AVRG	0.10340665	17.1*
2-Hexanone	AVRG	0.09912832	24.0*
Tetrachloroethene	AVRG	0.45569103	2.5*
1,1,2,2-Tetrachloroethane	AVRG	0.40083762	6.6**
Toluene	AVRG	1.39467476	7.2*
Chlorobenzene	AVRG	0.97240722	4.6**
Ethylbenzene	AVRG	0.49952475	17.3*
Styrene	AVRG	0.98246477	17.8*
Xylene (Total)	AVRG	0.65154879	12.9*
Ethyl Ether	AVRG	0.12441886	4.3*
Acrolein	AVRG	0.00561259	10.1*
Freon TF	AVRG	0.28447287	8.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.01443615	12.4*
TBA	AVRG	0.01803054	4.8*
Acrylonitrile	AVRG	0.04551572	7.3*
MTBE	AVRG	0.52424961	7.1*
Hexane	AVRG		
DIPE	AVRG	0.46213066	6.2*
Ethyl Acetate	AVRG	0.01807696	3.0*
Vinyl Acetate	AVRG	0.14707886	9.9*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.35208320	7.8*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.15673244	11.5*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG		
Butyl Acetate	AVRG	0.20665457	22.0*
1,2-Dibromoethane	AVRG	0.22565178	11.1*
1,3-Dichlorobenzene	AVRG	1.46717935	7.6*
1,4-Dichlorobenzene	AVRG	1.52702449	5.0*
1,2-Dichlorobenzene	AVRG	1.38450315	7.7*
Naphthalene	AVRG	1.52066220	14.5*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
1,1-Dichloropropene	AVRG	0.35181212	10.1*
Hexachlorobutadiene	AVRG	0.77110144	16.0*
1,4-Dioxane	AVRG	0.00290682	12.3*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.35913529	10.2*
1,2,3-Trichlorobenzene	AVRG	0.83087967	13.8*
Dichlorodifluoromethane	AVRG	0.42009912	9.4*
1,2,3-Trichloropropane	AVRG	0.16626723	6.5*
1,2,4-Trimethylbenzene	AVRG	2.54509194	16.2*
1,3,5-Trimethylbenzene	AVRG	2.53190441	16.7*
1,3-Dichloropropane	AVRG	0.33484368	12.3*
Isopropylbenzene	AVRG	1.79913611	18.4*
2,2-Dichloropropane	AVRG	0.45091690	9.8*
2-Chlorotoluene	AVRG	2.07287647	10.0*
4-Chlorotoluene	AVRG	2.17919666	10.0*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Calibration Time(s): 1553 1734

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Bromobenzene	AVRG	0.71704401	7.5*
1,2,4-Trichlorobenzene	AVRG	0.89885477	16.7*
Bromochloromethane	AVRG	0.15285108	7.0*
Dibromomethane	AVRG	0.13943810	7.4*
n-Butylbenzene	AVRG	2.46027267	18.2*
n-Propylbenzene	AVRG	3.17517238	16.6*
p-Isopropyltoluene	AVRG	3.02521522	16.2*
sec-Butylbenzene	AVRG	3.11323955	14.4*
tert-Butylbenzene	AVRG	2.24875669	18.4*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	0.99346780	19.0*
Epichlorohydrin	AVRG		
Isoprene	AVRG	0.27033823	8.5*
Methyl methacrylate	AVRG		
n-Pentane	AVRG	0.03516406	11.2*
Allyl alcohol	AVRG		
Cyclohexene	AVRG		
Ethyl methacrylate	AVRG		
Methyl acetate	AVRG	0.13038280	5.7*
Methyl cyclohexane	AVRG	0.46657507	8.2*
Ethanol	AVRG		
p-Ethyltoluene	AVRG		
1,2-Dibromo-3-chloropropane	AVRG	0.10443237	11.0*
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
Isobutyl Acetate	AVRG		
Chlorodifluoromethane	AVRG		
Cyclohexanone	AVRG		
2-Nitropropane	AVRG		
2-Methylnaphthalene	AVRG		
tert-Amylmethyl Ether	AVRG		
2-Heptanone	AVRG		
Iodomethane	AVRG		
trans-1,4-Dichloro-2-butene	AVRG		
2-Chloropropene	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.30457250	13.8*
Toluene-d8 (SUR)	AVRG	1.14081456	9.7*
Bromofluorobenzene (SUR)	AVRG	0.72251574	6.4*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/06/06 Time: 1205

Lab File ID: O08850 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.220	0.250	0.1	-13.6	50.0
Bromomethane	0.191	0.145		24.1	50.0
Vinyl Chloride	0.246	0.288		-17.1	20.0
Chloroethane	0.115	0.090		21.7	50.0
Methylene Chloride	0.258	0.254		1.6	50.0
Acetone	0.051	0.045		11.8	50.0
Carbon Disulfide	0.750	0.677		9.7	50.0
Trichlorofluoromethane	0.632	0.517		18.2	50.0
1,1-Dichloroethene	0.239	0.235		1.7	20.0
1,1-Dichloroethane	0.412	0.419	0.1	-1.7	50.0
trans-1,2-Dichloroethene	0.253	0.238		5.9	50.0
cis-1,2-Dichloroethene	0.279	0.271		2.9	50.0
Chloroform	0.508	0.477		6.1	20.0
1,2-Dichloroethane	0.346	0.320		7.5	50.0
2-Butanone	0.036	0.035		2.8	50.0
1,1,1-Trichloroethane	0.521	0.460		11.7	50.0
Carbon Tetrachloride	0.489	0.409		16.4	50.0
Bromodichloromethane	0.347	0.324		6.6	50.0
1,2-Dichloropropane	0.176	0.185		-5.1	20.0
cis-1,3-Dichloropropene	0.317	0.340		-7.2	50.0
Trichloroethene	0.299	0.286		4.3	50.0
Dibromochloromethane	0.303	0.267		11.9	50.0
1,1,2-Trichloroethane	0.159	0.155		2.5	50.0
Benzene	0.939	0.889		5.3	50.0
trans-1,3-Dichloropropene	0.374	0.348		7.0	50.0
2-Chloroethyl Vinyl Ether	0.073	0.080		-9.6	50.0
Bromoform	0.208	0.181	0.1	13.0	50.0
4-Methyl-2-Pentanone	0.103	0.120		-16.5	50.0
2-Hexanone	0.099	0.120		-21.2	50.0
Tetrachloroethene	0.456	0.401		12.1	50.0
1,1,2,2-Tetrachloroethane	0.401	0.403	0.3	-0.5	50.0
Toluene	1.395	1.349		3.3	20.0
Chlorobenzene	0.972	0.927	0.3	4.6	50.0
Ethylbenzene	0.499	0.517		-3.6	20.0
Styrene	0.982	1.034		-5.3	50.0
Xylene (Total)	0.651	0.669		-2.8	50.0
Ethyl Ether	0.124	0.122		1.6	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/06/06 Time: 1205

Lab File ID: O08850 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.005	0.006		-20.0	50.0
Freon TF	0.284	0.255		10.2	50.0
Isopropanol					50.0
Acetonitrile	0.014	0.014		0.0	50.0
TBA	0.018	0.018		0.0	50.0
Acrylonitrile	0.045	0.049		-8.9	50.0
MTBE	0.524	0.492		6.1	50.0
Hexane					50.0
DIPE	0.462	0.477		-3.2	50.0
Ethyl Acetate	0.018	0.018		0.0	50.0
Vinyl Acetate	0.147	0.105		28.6	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.352	0.346		1.7	50.0
Isobutanol					50.0
Isopropyl Acetate	0.157	0.178		-13.4	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate					50.0
Butyl Acetate	0.207	0.210		-1.4	50.0
1,2-Dibromoethane	0.226	0.210		7.1	50.0
1,3-Dichlorobenzene	1.467	1.441		1.8	50.0
1,4-Dichlorobenzene	1.527	1.463		4.2	50.0
1,2-Dichlorobenzene	1.384	1.356		2.0	50.0
Naphthalene	1.521	1.422		6.5	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.352	0.339		3.7	50.0
Hexachlorobutadiene	0.771	0.744		3.5	50.0
1,4-Dioxane	0.003	0.003		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.359	0.330		8.1	50.0
1,2,3-Trichlorobenzene	0.831	0.808		2.8	50.0
Dichlorodifluoromethane	0.420			100.0	50.0
1,2,3-Trichloropropane	0.166	0.156		6.0	50.0
1,2,4-Trimethylbenzene	2.545	2.685		-5.5	50.0
1,3,5-Trimethylbenzene	2.532	2.687		-6.1	50.0
1,3-Dichloropropane	0.335	0.326		2.7	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/06/06 Time: 1205

Lab File ID: O08850 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Isopropylbenzene	1.799	1.886		-4.8	50.0
2,2-Dichloropropane	0.451	0.395		12.4	50.0
2-Chlorotoluene	2.073	2.057		0.8	50.0
4-Chlorotoluene	2.179	2.206		-1.2	50.0
Bromobenzene	0.717	0.689		3.9	50.0
1,2,4-Trichlorobenzene	0.899	0.911		-1.3	50.0
Bromochloromethane	0.153	0.146		4.6	50.0
Dibromomethane	0.139	0.132		5.0	50.0
n-Butylbenzene	2.460	2.761		-12.2	50.0
n-Propylbenzene	3.175	3.424		-7.8	50.0
p-Isopropyltoluene	3.025	3.234		-6.9	50.0
sec-Butylbenzene	3.113	3.353		-7.7	50.0
tert-Butylbenzene	2.249	2.393		-6.4	50.0
Allyl chloride					50.0
Benzyl chloride	0.993	0.942		5.1	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.254		5.9	50.0
Methyl methacrylate					50.0
n-Pentane	0.035	0.028		20.0	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.130	0.137		-5.4	50.0
Methyl cyclohexane	0.467	0.474		-1.5	50.0
Ethanol					50.0
p-Ethyltoluene					50.0
1,2-Dibromo-3-chloropropane	0.104	0.090		13.5	50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Isobutyl Acetate					50.0
Chlorodifluoromethane					50.0
Cyclohexanone					50.0
2-Nitropropane					50.0
2-Methylnaphthalene					50.0
tert-Amylmethyl Ether			0.01		50.0
2-Heptanone			0.01		50.0
Iodomethane			0.01		50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS12 Calibration Date: 09/06/06 Time: 1205

Lab File ID: O08850 Init. Calib. Date(s): 08/23/06 08/23/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1553 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
trans-1,4-Dichloro-2-butene			0.01		50.0
2-Chloropropene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.304	0.256		15.8	50.0
Toluene-d8 (SUR)	1.141	1.092		4.3	50.0
Bromofluorobenzene (SUR)	0.723	0.720		0.4	50.0

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

LAB FILE ID: RRF5: P06896 RRF20: P06901 RRF50: P06899
RRF100: P06898 RRF200: P06897

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.451	0.293	0.245	0.289	0.291
Bromomethane	0.182	0.126	0.108	0.124	0.126
Vinyl Chloride	0.362	0.242	0.209	0.250	0.253
Chloroethane	0.103	0.060	0.049	0.057	0.060
Methylene Chloride	0.179	0.161	0.193	0.210	0.210
Acetone	0.102	0.064	0.060	0.062	0.064
Carbon Disulfide	0.598	0.618	0.572	0.629	0.674
Trichlorofluoromethane	0.529	0.336	0.267	0.333	0.344
1,1-Dichloroethene	0.175	0.125	0.142	0.172	0.174
1,1-Dichloroethane	0.301	0.295	0.340	0.377	0.378
trans-1,2-Dichloroethene	0.178	0.158	0.187	0.212	0.212
cis-1,2-Dichloroethene	0.170	0.169	0.204	0.224	0.219
Chloroform	0.285	0.295	0.349	0.387	0.390
1,2-Dichloroethane	0.258	0.237	0.285	0.313	0.311
2-Butanone	0.037	0.033	0.035	0.040	0.040
1,1,1-Trichloroethane	0.221	0.242	0.267	0.325	0.329
Carbon Tetrachloride	0.207	0.187	0.198	0.252	0.243
Bromodichloromethane	0.238	0.214	0.258	0.292	0.293
1,2-Dichloropropane	0.202	0.175	0.215	0.238	0.237
cis-1,3-Dichloropropene	0.254	0.274	0.344	0.380	0.381
Trichloroethene	0.243	0.161	0.184	0.219	0.221
Dibromochloromethane	0.189	0.213	0.266	0.290	0.290
1,1,2-Trichloroethane	0.174	0.167	0.221	0.232	0.224
Benzene	0.856	0.661	0.798	0.906	0.908
trans-1,3-Dichloropropene	0.334	0.360	0.461	0.496	0.485
2-Chloroethyl Vinyl Ether	0.116	0.139	0.149	0.160	0.167
Bromoform	0.105	0.123	0.157	0.173	0.179
4-Methyl-2-Pentanone	0.208	0.236	0.245	0.263	0.280
2-Hexanone	0.226	0.240	0.258	0.272	0.278
Tetrachloroethene	0.362	0.196	0.214	0.273	0.270
1,1,2,2-Tetrachloroethane	0.759	0.499	0.722	0.724	0.700
Toluene	1.065	0.992	1.167	1.334	1.290
Chlorobenzene	0.692	0.641	0.761	0.839	0.826
Ethylbenzene	0.378	0.332	0.385	0.460	0.462
Styrene	0.633	0.655	0.835	0.936	0.942
Xylene (Total)	0.434	0.407	0.476	0.568	0.576
Ethyl Ether	0.172	0.182	0.176	0.189	0.191
Acrolein	0.004	0.004	0.004	0.004	0.004
Freon TF	0.196	0.190	0.184	0.207	0.223

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

LAB FILE ID: RRF5: P06896 RRF20: P06901 RRF50: P06899
RRF100: P06898 RRF200: P06897

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile	0.030	0.030	0.029	0.031	0.033
TBA	0.020	0.020	0.021	0.023	0.024
Acrylonitrile	0.070	0.079	0.074	0.078	0.078
MTBE	0.587	0.630	0.626	0.666	0.688
Hexane					
DIPE	0.725	0.778	0.745	0.788	0.815
Ethyl Acetate	0.022	0.024	0.024	0.027	0.028
Vinyl Acetate	0.264	0.245	0.288	0.306	0.317
Tetrahydrofuran					
Cyclohexane	0.384	0.386	0.377	0.416	0.440
Isobutanol					
Isopropyl Acetate	0.418	0.472	0.481	0.513	0.531
n-Heptane					
n-Butanol					
Propyl Acetate	0.318	0.362	0.373	0.396	0.413
Butyl Acetate	0.450	0.535	0.572	0.609	0.633
1,2-Dibromoethane	0.196	0.202	0.263	0.276	0.268
1,3-Dichlorobenzene	1.085	0.933	1.160	1.334	1.388
1,4-Dichlorobenzene	1.179	0.983	1.189	1.329	1.312
1,2-Dichlorobenzene	1.059	0.917	1.163	1.241	1.225
Naphthalene	1.230	1.103	1.822	2.014	1.952
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
1,1-Dichloropropene	0.225	0.224	0.244	0.306	0.310
Hexachlorobutadiene	0.247	0.167	0.146	0.247	0.262
1,4-Dioxane	0.002	0.002	0.002	0.002	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.210	0.212	0.262	0.291	0.291
1,2,3-Trichlorobenzene	0.489	0.386	0.540	0.624	0.613
Dichlorodifluoromethane	0.320	0.196	0.164	0.203	0.214
1,2,3-Trichloropropane	0.162	0.161	0.222	0.220	0.210
1,2,4-Trimethylbenzene	1.907	1.682	1.969	2.362	2.328
1,3,5-Trimethylbenzene	1.827	1.637	1.830	2.303	2.272
Isopropylbenzene	1.079	0.998	1.074	1.397	1.419
1,3-Dichloropropane	0.375	0.380	0.482	0.509	0.489
2,2-Dichloropropane	0.227	0.225	0.264	0.317	0.306
2-Chlorotoluene	1.690	1.469	1.758	2.000	1.956
4-Chlorotoluene	1.813	1.566	1.880	2.096	2.048

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

LAB FILE ID: RRF5: P06896 RRF20: P06901 RRF50: P06899
RRF100: P06898 RRF200: P06897

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Bromobenzene	0.519	0.475	0.615	0.654	0.629
1,2,4-Trichlorobenzene	0.531	0.457	0.585	0.750	0.798
Bromochloromethane	0.078	0.078	0.098	0.104	0.104
Dibromomethane	0.097	0.100	0.121	0.133	0.132
n-Butylbenzene	1.816	1.536	1.425	2.121	2.092
n-Propylbenzene	2.707	2.371	2.552	3.295	3.148
p-Isopropyltoluene	1.955	1.642	1.648	2.403	2.465
sec-Butylbenzene	2.163	1.872	1.760	2.605	2.562
tert-Butylbenzene	1.485	1.321	1.360	1.868	1.875
Allyl chloride					
Benzyl chloride	1.168	1.216	1.457	1.624	1.693
Epichlorohydrin	0.020	0.022	0.023	0.024	0.025
Isoprene	0.280	0.280	0.271	0.302	0.317
Methyl methacrylate	0.136	0.154	0.162	0.174	0.177
n-Pentane	0.039	0.033	0.032	0.035	0.037
Allyl alcohol					
2-Octanol					
2-Octanone					
Ethyl Acrylate					
Methyl Acetate	0.242	0.238	0.228	0.241	0.247
Butyl Acrylate					
Methyl cyclohexane	0.340	0.324	0.315	0.352	0.373
Butyl Methacrylate					
1,2-Dibromo-3-chloropropane	0.091	0.094	0.130	0.137	0.135
Ethyl methacrylate					
Ethanol					
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

LAB FILE ID: RRF5: P06896 RRF20: P06901 RRF50: P06899
RRF100: P06898 RRF200: P06897

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether					
1,3-Butadiene					
1,2-Dichloroethane-d4 (SUR)	0.230	0.243	0.251	0.252	0.257
Toluene-d8 (SUR)	0.969	0.960	1.036	1.029	1.028
Bromofluorobenzene (SUR)	0.638	0.533	0.588	0.581	0.583

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.31376307	25.3**
Bromomethane	AVRG	0.13296908	21.2*
Vinyl Chloride	AVRG	0.26334584	22.0*
Chloroethane	AVRG	0.06598010	32.4*
Methylene Chloride	AVRG	0.19043295	11.0*
Acetone	AVRG	0.07044845	24.9*
Carbon Disulfide	AVRG	0.61804543	6.2*
Trichlorofluoromethane	AVRG	0.36198326	27.1*
1,1-Dichloroethene	AVRG	0.15772826	14.5*
1,1-Dichloroethane	AVRG	0.33824751	11.8**
trans-1,2-Dichloroethene	AVRG	0.18949741	12.2*
cis-1,2-Dichloroethene	AVRG	0.19734664	13.4*
Chloroform	AVRG	0.34132025	14.5*
1,2-Dichloroethane	AVRG	0.28082523	11.9*
2-Butanone	AVRG	0.03697197	8.2*
1,1,1-Trichloroethane	AVRG	0.27703420	17.6*
Carbon Tetrachloride	AVRG	0.21740977	13.1*
Bromodichloromethane	AVRG	0.25905140	13.2*
1,2-Dichloropropane	AVRG	0.21356826	12.3*
cis-1,3-Dichloropropene	AVRG	0.32664646	18.2*
Trichloroethene	AVRG	0.20578849	15.9*
Dibromochloromethane	AVRG	0.24977641	18.5*
1,1,2-Trichloroethane	AVRG	0.20347235	15.0*
Benzene	AVRG	0.82572638	12.4*
trans-1,3-Dichloropropene	AVRG	0.42742146	17.6*
2-Chloroethyl Vinyl Ether	AVRG	0.14627661	13.5*
Bromoform	AVRG	0.14724078	21.9**
4-Methyl-2-Pentanone	AVRG	0.24643337	11.0*
2-Hexanone	AVRG	0.25488108	8.5*
Tetrachloroethene	AVRG	0.26306291	24.7*
1,1,2,2-Tetrachloroethane	AVRG	0.68086059	15.3**
Toluene	AVRG	1.16965622	12.4*
Chlorobenzene	AVRG	0.75189519	11.3**
Ethylbenzene	AVRG	0.40347124	13.9*
Styrene	AVRG	0.80019327	18.6*
Xylene (Total)	AVRG	0.49219158	15.6*
Ethyl Ether	AVRG	0.18214899	4.5*
Acrolein	AVRG	0.00399587	5.4*
Freon TF	AVRG	0.19999054	7.7*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.03067831	4.5*
TBA	AVRG	0.02151076	8.5*
Acrylonitrile	AVRG	0.07579776	5.0*
MTBE	AVRG	0.63968275	6.1*
Hexane	AVRG		
DIPE	AVRG	0.77027084	4.6*
Ethyl Acetate	AVRG	0.02491511	9.4*
Vinyl Acetate	AVRG	0.28404263	10.4*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.40027986	6.6*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.48294296	9.0*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.37240548	9.7*
Butyl Acetate	AVRG	0.55987916	12.8*
1,2-Dibromoethane	AVRG	0.24084007	16.1*
1,3-Dichlorobenzene	AVRG	1.17977198	15.7*
1,4-Dichlorobenzene	AVRG	1.19851825	11.6*
1,2-Dichlorobenzene	AVRG	1.12096714	12.0*
Naphthalene	AVRG	1.62420719	26.2*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
1,1-Dichloropropene	AVRG	0.26201102	16.3*
Hexachlorobutadiene	AVRG	0.21388300	24.8*
1,4-Dioxane	AVRG	0.00254338	4.0*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.25339715	15.9*
1,2,3-Trichlorobenzene	AVRG	0.53027810	18.4*
Dichlorodifluoromethane	AVRG	0.21933464	27.0*
1,2,3-Trichloropropane	AVRG	0.19520171	15.8*
1,2,4-Trimethylbenzene	AVRG	2.04973532	14.2*
1,3,5-Trimethylbenzene	AVRG	1.97391878	15.0*
Isopropylbenzene	AVRG	1.19352273	16.6*
1,3-Dichloropropane	AVRG	0.44700690	14.4*
2,2-Dichloropropane	AVRG	0.26777204	16.0*
2-Chlorotoluene	AVRG	1.77469099	12.1*
4-Chlorotoluene	AVRG	1.88061531	11.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Bromobenzene	AVRG	0.57823798	13.3*
1,2,4-Trichlorobenzene	AVRG	0.62431155	23.2*
Bromochloromethane	AVRG	0.09221660	14.6*
Dibromomethane	AVRG	0.11645435	14.7*
n-Butylbenzene	AVRG	1.79803019	17.6*
n-Propylbenzene	AVRG	2.81450953	14.0*
p-Isopropyltoluene	AVRG	2.02267148	19.6*
sec-Butylbenzene	AVRG	2.19236744	17.6*
tert-Butylbenzene	AVRG	1.58202642	17.1*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	1.43167044	16.4*
Epichlorohydrin	AVRG	0.02300376	9.0*
Isoprene	AVRG	0.29019423	6.5*
Methyl methacrylate	AVRG	0.16071168	10.4*
n-Pentane	AVRG	0.03528865	8.2*
Allyl alcohol	AVRG		
2-Octanol	AVRG		
2-Octanone	AVRG		
Ethyl Acrylate	AVRG		
Methyl Acetate	AVRG	0.23927760	2.9*
Butyl Acrylate	AVRG		
Methyl cyclohexane	AVRG	0.34086411	6.7*
Butyl Methacrylate	AVRG		
1,2-Dibromo-3-chloropropane	AVRG	0.11732417	19.6*
Ethyl methacrylate	AVRG		
Ethanol	AVRG		
Cyclohexanone	AVRG		
p-Ethyltoluene	AVRG		
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
Propylene Oxide	AVRG		
Camphene (total)	AVRG		
Camphor	AVRG		
Amyl Acetate	AVRG		
2-Methylnaphthalene	AVRG		
1-Chlorohexane	AVRG		
Chlorotrifluoromethane	AVRG		
Chlorodifluoromethane	AVRG		
tert-Amylmethyl Ether	AVRG		

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0923 1146

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Iodomethane	AVRG		
trans-1,4-Dichloro-2-butene	AVRG		
Acetaldehyde	AVRG		
1,3,5-Trichlorobenzene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG		
1-Bromo-2-chloroethane	AVRG		
4-Chlorobenzotrifluoride	AVRG		
2-Chloropropene	AVRG		
tert-Butyl ethyl ether	AVRG		
1,3-Butadiene	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.24644771	4.3*
Toluene-d8 (SUR)	AVRG	1.00437434	3.7*
Bromofluorobenzene (SUR)	AVRG	0.58456206	6.4*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date: 09/07/06 Time: 0837

Lab File ID: P06975 Init. Calib. Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Init. Calib. Times: 0923 1146

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.314	0.295	0.1	6.0	50.0
Bromomethane	0.133	0.123		7.5	50.0
Vinyl Chloride	0.263	0.260		1.1	20.0
Chloroethane	0.066	0.061		7.6	50.0
Methylene Chloride	0.191	0.206		-7.8	50.0
Acetone	0.070	0.054		22.8	50.0
Carbon Disulfide	0.618	0.427		30.9	50.0
Trichlorofluoromethane	0.362	0.344		5.0	50.0
1,1-Dichloroethene	0.158	0.168		-6.3	20.0
1,1-Dichloroethane	0.338	0.376	0.1	-11.2	50.0
trans-1,2-Dichloroethene	0.189	0.207		-9.5	50.0
cis-1,2-Dichloroethene	0.197	0.221		-12.2	50.0
Chloroform	0.341	0.386		-13.2	20.0
1,2-Dichloroethane	0.281	0.304		-8.2	50.0
2-Butanone	0.037	0.034		8.1	50.0
1,1,1-Trichloroethane	0.277	0.319		-15.2	50.0
Carbon Tetrachloride	0.217	0.238		-9.7	50.0
Bromodichloromethane	0.259	0.269		-3.9	50.0
1,2-Dichloropropane	0.213	0.231		-8.4	20.0
cis-1,3-Dichloropropene	0.327	0.360		-10.1	50.0
Trichloroethene	0.206	0.214		-3.9	50.0
Dibromochloromethane	0.250	0.246		1.6	50.0
1,1,2-Trichloroethane	0.204	0.213		-4.4	50.0
Benzene	0.826	0.881		-6.6	50.0
trans-1,3-Dichloropropene	0.427	0.441		-3.3	50.0
2-Chloroethyl Vinyl Ether	0.146	0.128		12.3	50.0
Bromoform	0.147	0.136	0.1	7.5	50.0
4-Methyl-2-Pentanone	0.246	0.211		14.2	50.0
2-Hexanone	0.255	0.208		18.4	50.0
Tetrachloroethene	0.263	0.261		0.8	50.0
1,1,2,2-Tetrachloroethane	0.681	0.621	0.3	8.8	50.0
Toluene	1.170	1.234		-5.5	20.0
Chlorobenzene	0.752	0.784	0.3	-4.2	50.0
Ethylbenzene	0.403	0.427		-6.0	20.0
Styrene	0.800	0.842		-5.2	50.0
Xylene (Total)	0.492	0.525		-6.7	50.0
Ethyl Ether	0.182	0.160		12.1	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date: 09/07/06 Time: 0837

Lab File ID: P06975 Init. Calib. Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Init. Calib. Times: 0923 1146

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.004	0.004		0.0	50.0
Freon TF	0.200	0.174		13.0	50.0
Isopropanol					50.0
Acetonitrile	0.031	0.026		16.1	50.0
TBA	0.022	0.018		18.2	50.0
Acrylonitrile	0.076	0.075		1.3	50.0
MTBE	0.639	0.553		13.4	50.0
Hexane					50.0
DIPE	0.770	0.667		13.4	50.0
Ethyl Acetate	0.025	0.022		12.0	50.0
Vinyl Acetate	0.284	0.178		37.3	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.401	0.338		15.7	50.0
Isobutanol					50.0
Isopropyl Acetate	0.483	0.409		15.3	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.372	0.317		14.8	50.0
Butyl Acetate	0.560	0.447		20.2	50.0
1,2-Dibromoethane	0.241	0.245		-1.6	50.0
1,3-Dichlorobenzene	1.180	1.174		0.5	50.0
1,4-Dichlorobenzene	1.198	1.204		-0.5	50.0
1,2-Dichlorobenzene	1.121	1.125		-0.4	50.0
Naphthalene	1.624	1.575		3.0	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.262	0.295		-12.6	50.0
Hexachlorobutadiene	0.214	0.222		-3.7	50.0
1,4-Dioxane	0.002	0.002		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.253	0.259		-2.4	50.0
1,2,3-Trichlorobenzene	0.530	0.494		6.8	50.0
Dichlorodifluoromethane	0.219	0.213		2.7	50.0
1,2,3-Trichloropropane	0.195	0.193		1.0	50.0
1,2,4-Trimethylbenzene	2.050	2.125		-3.6	50.0
1,3,5-Trimethylbenzene	1.974	2.064		-4.6	50.0
Isopropylbenzene	1.193	1.290		-8.1	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date: 09/07/06 Time: 0837

Lab File ID: P06975 Init. Calib. Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Init. Calib. Times: 0923 1146

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3-Dichloropropane	0.447	0.460		-2.9	50.0
2,2-Dichloropropane	0.268	0.311		-16.0	50.0
2-Chlorotoluene	1.775	1.824		-2.8	50.0
4-Chlorotoluene	1.881	1.910		-1.5	50.0
Bromobenzene	0.578	0.598		-3.5	50.0
1,2,4-Trichlorobenzene	0.624	0.605		3.0	50.0
Bromochloromethane	0.092	0.102		-10.9	50.0
Dibromomethane	0.117	0.128		-9.4	50.0
n-Butylbenzene	1.798	1.890		-5.1	50.0
n-Propylbenzene	2.815	2.992		-6.3	50.0
p-Isopropyltoluene	2.023	2.130		-5.3	50.0
sec-Butylbenzene	2.192	2.329		-6.2	50.0
tert-Butylbenzene	1.582	1.677		-6.0	50.0
Allyl chloride					50.0
Benzyl chloride	1.432	1.112		22.3	50.0
Epichlorohydrin	0.023	0.019		17.4	50.0
Isoprene	0.290	0.245		15.5	50.0
Methyl methacrylate	0.161	0.136		15.5	50.0
n-Pentane	0.035	0.028		20.0	50.0
Allyl alcohol					50.0
2-Octanol					50.0
2-Octanone					50.0
Ethyl Acrylate					50.0
Methyl Acetate	0.239	0.214		10.5	50.0
Butyl Acrylate					50.0
Methyl cyclohexane	0.341	0.290		15.0	50.0
Butyl Methacrylate					50.0
1,2-Dibromo-3-chloropropane	0.117	0.103		12.0	50.0
Ethyl methacrylate					50.0
Ethanol					50.0
Cyclohexanone					50.0
p-Ethyltoluene					50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Propylene Oxide					50.0
Camphene (total)					50.0
Camphor					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS13 Calibration Date: 09/07/06 Time: 0837

Lab File ID: P06975 Init. Calib. Date(s): 09/01/06 09/01/06

Heated Purge: (Y/N) N Init. Calib. Times: 0923 1146

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Amyl Acetate					50.0
2-Methylnaphthalene					50.0
1-Chlorohexane					50.0
Chlorotrifluoromethane					50.0
Chlorodifluoromethane					50.0
tert-Amylmethyl Ether					50.0
Iodomethane					50.0
trans-1,4-Dichloro-2-butene					50.0
Acetaldehyde					50.0
1,3,5-Trichlorobenzene					50.0
1,2-Dichlorotrifluoroethane					50.0
1-Bromo-2-chloroethane					50.0
4-Chlorobenzotrifluoride					50.0
2-Chloropropene					50.0
tert-Butyl ethyl ether			0.01		50.0
1,3-Butadiene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.247	0.295		-19.4	50.0
Toluene-d8 (SUR)	1.004	1.116		-11.2	50.0
Bromofluorobenzene (SUR)	0.585	0.638		-9.0	50.0

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: SOIL Level: HIGH Lab Job No: W421

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	PV250	106	107	108		0
02	765862	91	92	86		0
03						
04						
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07						
08						
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30						

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(56-147)
S2	= Toluene-d8	(62-141)
S3	= Bromofluorobenzene	(61-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: SOIL Level: LOW Lab Job No: W421

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	OV249	81	102	106		0
02	765863	94	99	103		0
03	765876	93	96	105		0
04	765877	93	98	101		0
05						
06						
07						
08						
09						
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		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(57-149)
S2	= Toluene-d8	(60-147)
S3	= Bromofluorobenzene	(52-154)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: HIGH

Matrix Spike - Lab Sample No.: 762426

MS Sample from Lab Job No: V971

QA Batch: 0682

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	5300	0.00	5600	106	65-126
Trichloroethene	5300	0.00	5900	111	65-129
Benzene	5300	0.00	6000	113	73-127
Toluene	5300	0.00	5800	109	70-128
Chlorobenzene	5300	420	5800	102	71-131

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5300	6000	113	7	40	65-126
Trichloroethene	5300	6500	123	10	40	65-129
Benzene	5300	6200	117	3	40	73-127
Toluene	5300	6000	113	3	40	70-128
Chlorobenzene	5300	6000	105	4	40	71-131

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 762134

MS Sample from Lab Job No: V928

QA Batch: 0784

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	63	0.00	66	105	56-142
Trichloroethene	63	0.00	62	98	66-130
Benzene	63	0.00	63	100	64-134
Toluene	63	0.00	62	98	69-129
Chlorobenzene	63	0.00	61	97	70-134

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	62	65	105	0	40	56-142
Trichloroethene	62	62	100	2	40	66-130
Benzene	62	64	103	3	40	64-134
Toluene	62	62	100	2	40	69-129
Chlorobenzene	62	61	98	2	40	70-134

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): O08850 Date Analyzed: 09/06/06

Instrument ID: VOAMS12 Time Analyzed: 1205

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	1421564	2.88	1263087	6.02	814010	9.31
	UPPER LIMIT	2843128	3.38	2526174	6.52	1628020	9.81
	LOWER LIMIT	710782	2.38	631544	5.52	407005	8.81
	LABORATORY SAMPLE NO.						
01	OV249	1437311	2.88	1047744	6.02	587591	9.31
02	765863	1694698	2.88	1209650	6.02	690461	9.31
03	765876	1606420	2.88	1176647	6.02	690298	9.31
04	765877	1594307	2.88	1135896	6.02	655045	9.31
05							
06							
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14							
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16							
17							
18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): P06975 Date Analyzed: 09/07/06

Instrument ID: VOAMS13 Time Analyzed: 0837

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	2949043	3.76	2214614	7.21	1157634	10.18
	UPPER LIMIT	5898086	4.26	4429228	7.71	2315268	10.68
	LOWER LIMIT	1474522	3.26	1107307	6.71	578817	9.68
	LABORATORY SAMPLE NO.						
01	PV250	2917554	3.76	2128744	7.21	997856	10.17
02	765862	2663294	3.75	2031302	7.20	1039898	10.18
03							
04							
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18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS Forms and Data (Semivolatiles)

Results Summary and Chromatograms

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24477.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	75
1,3-Dichlorobenzene	ND	750
1,4-Dichlorobenzene	19 J	750
1,2-Dichlorobenzene	32 J	750
bis(2-chloroisopropyl)ether	ND	750
N-Nitroso-di-n-propylamine	ND	75
Hexachloroethane	ND	75
Nitrobenzene	19 J	75
Isophorone	ND	750
bis(2-Chloroethoxy)methane	ND	750
1,2,4-Trichlorobenzene	ND	75
Naphthalene	130 J	750
4-Chloroaniline	ND	750
Hexachlorobutadiene	ND	150
2-Methylnaphthalene	190 J	750
Hexachlorocyclopentadiene	ND	750
2-Chloronaphthalene	ND	750
2-Nitroaniline	ND	1500
Dimethylphthalate	ND	750
Acenaphthylene	43 J	750
2,6-Dinitrotoluene	ND	150
3-Nitroaniline	ND	1500
Acenaphthene	32 J	750
Dibenzofuran	48 J	750
2,4-Dinitrotoluene	ND	150
Diethylphthalate	ND	750
4-Chlorophenyl-phenylether	ND	750
Fluorene	42 J	750
4-Nitroaniline	ND	1500
N-Nitrosodiphenylamine	ND	750
4-Bromophenyl-phenylether	ND	750
Hexachlorobenzene	ND	75
Phenanthrene	560 J	750
Anthracene	100 J	750

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24477.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	47 J	750
Di-n-butylphthalate	ND	750
Fluoranthene	810	750
Pyrene	1500	750
Butylbenzylphthalate	ND	750
3,3'-Dichlorobenzidine	ND	1500
Benzo(a)anthracene	470	75
Chrysene	740 J	750
bis(2-Ethylhexyl)phthalate	1200	750
Di-n-octylphthalate	ND	750
Benzo(b)fluoranthene	640	75
Benzo(k)fluoranthene	760	75
Benzo(a)pyrene	540	75
Indeno(1,2,3-cd)pyrene	250	75
Dibenz(a,h)anthracene	ND	75
Benzo(g,h,i)perylene	260 J	750

Client ID: **B1301-SS01**
Site: Sun Chemical SI

Lab Sample No: **765862**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24477.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 11.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	11.09	640	
2. Unknown	11.38	710	
3. C17H12 PAH	16.32	870	
4. Unknown	16.65	1100	
5. Unknown	18.85	1200	
6. Unknown	19.62	2600	
7. Unknown	19.69	3600	
8. Unknown	20.11	3100	
9. Unknown	20.16	2300	
10. Unknown	20.50	3100	
11. Unknown	22.07	2300	
12. Unknown	22.94	2800	
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TOTAL ESTIMATED CONCENTRATION 24320

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d
Report Date: 05-Sep-2006 14:01

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d
Lab Smp Id: 765862 Client Smp ID: B1301-SS01
Inj Date : 02-SEP-2006 20:45
Operator : BNAMS 4 Inst ID: BNAMS6.i
Smp Info : 765862;3208651
Misc Info : W421;SB242A;QA4556
Comment :
Method : /chem/BNAMS6.i/8270/08-30-06/02sep06.b/8270C6-1.m
Meth Date : 02-Sep-2006 15:04 asfawa Quant Type: ISTD
Cal Date : 30-AUG-2006 11:35 Cal File: m24372.d
Als bottle: 11
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	11.40000	% Moisture

Cpnd Variable Local Compound Variable

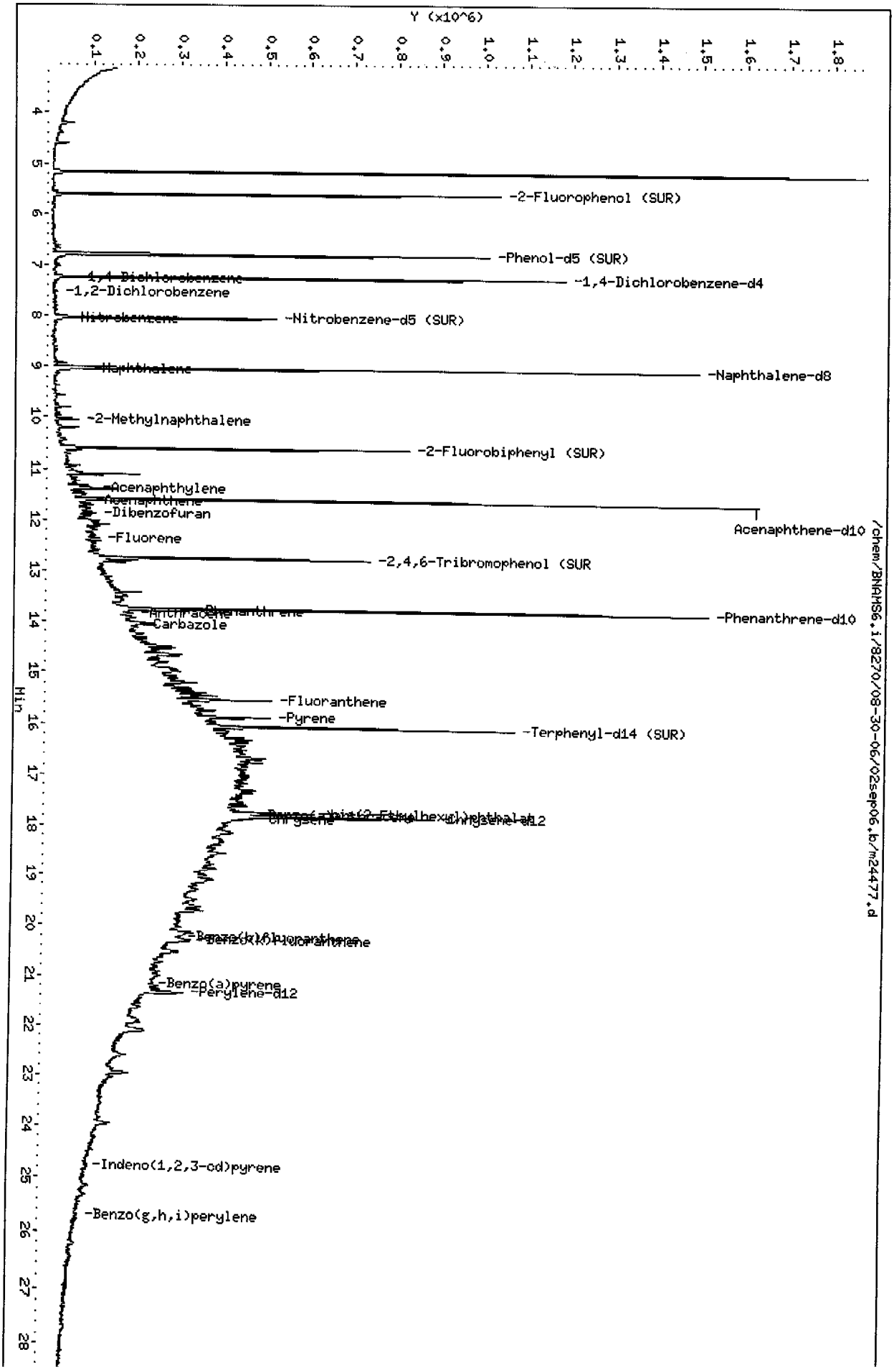
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.605	5.593	(0.775)	337522	44.0441	6600
$ 17 Phenol-d5 (SUR)	99	6.790	6.793	(0.938)	454864	44.4785	6700
* 79 1,4-Dichlorobenzene-d4	152	7.235	7.236	(1.000)	213629	40.0000	
22 1,4-Dichlorobenzene	146	7.257	7.258	(1.003)	1041	0.12923	19(a)
23 1,2-Dichlorobenzene	146	7.515	7.516	(1.039)	1614	0.20939	32(aM)
$ 76 Nitrobenzene-d5 (SUR)	82	8.033	8.047	(0.890)	224955	22.2066	3300
27 Nitrobenzene	77	8.061	8.069	(0.894)	1655	0.12699	19(a)
* 80 Naphthalene-d8	136	9.022	9.029	(1.000)	819537	40.0000	
31 Naphthalene	128	9.052	9.059	(1.003)	17219	0.87544	130(a)
34 2-Methylnaphthalene	142	10.028	10.038	(1.112)	18077	1.24661	190(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.576	10.578	(0.913)	342633	22.3725	3400
39 Acenaphthylene	152	11.362	11.374	(0.981)	6289	0.28555	43(a)
* 82 Acenaphthene-d10	164	11.585	11.587	(1.000)	511503	40.0000	

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d
Report Date: 05-Sep-2006 14:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	42 Acenaphthene	154	11.628	11.639	(1.004)	2820	0.21130	32(a)
	43 Dibenzofuran	168	11.849	11.859	(1.023)	6396	0.31696	48(a)
	47 Fluorene	166	12.359	12.369	(1.067)	4480	0.27652	42(a)
$	18 2,4,6-Tribromophenol (SUR)	330	12.750	12.753	(1.100)	78826	36.3808	5500
*	83 Phenanthrene-d10	188	13.731	13.738	(1.000)	609979	40.0000	
	52 Phenanthrene	178	13.766	13.775	(1.003)	69220	3.73649	560(a)
	53 Anthracene	178	13.829	13.835	(1.007)	12259	0.67635	100(a)
	54 Carbazole	167	14.065	14.071	(1.024)	6470	0.31145	47(a)
	56 Fluoranthene	202	15.511	15.518	(1.130)	100638	5.35915	810
	57 Pyrene	202	15.847	15.854	(0.891)	86724	9.77208	1500
$	78 Terphenyl-d14 (SUR)	244	16.036	16.037	(0.902)	264566	39.7523	6000(R)
	63 bis(2-Ethylhexyl)phthalate	149	17.718	17.721	(0.996)	82405	8.31445	1200
	61 Benzo(a)anthracene	228	17.747	17.756	(0.998)	26613	3.12644	470
*	81 Chrysene-d12	240	17.782	17.797	(1.000)	292407	40.0000	
	62 Chrysene	228	17.832	17.853	(1.003)	39455	4.91827	740(a)
	65 Benzo(b)fluoranthene	252	20.226	20.245	(0.949)	12607	4.23024	640
	66 Benzo(k)fluoranthene	252	20.275	20.312	(0.951)	14385	5.02023	760
	67 Benzo(a)pyrene	252	21.152	21.170	(0.992)	9295	3.57669	540
*	84 Perylene-d12	264	21.320	21.339	(1.000)	84462	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	24.767	24.815	(1.162)	4416	1.68571	250(M)
	70 Benzo(g,h,i)perylene	276	25.689	25.757	(1.205)	3878	1.73261	260(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d
Date : 02-SEP-2006 20:45
Client ID: B1301-SS01
Sample Info: 765862;3208651
Column phase: DB-5
Instrument: BNAMS6.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Dibenzofuran
Acenaphthene-d10
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
Chrysene-d12
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

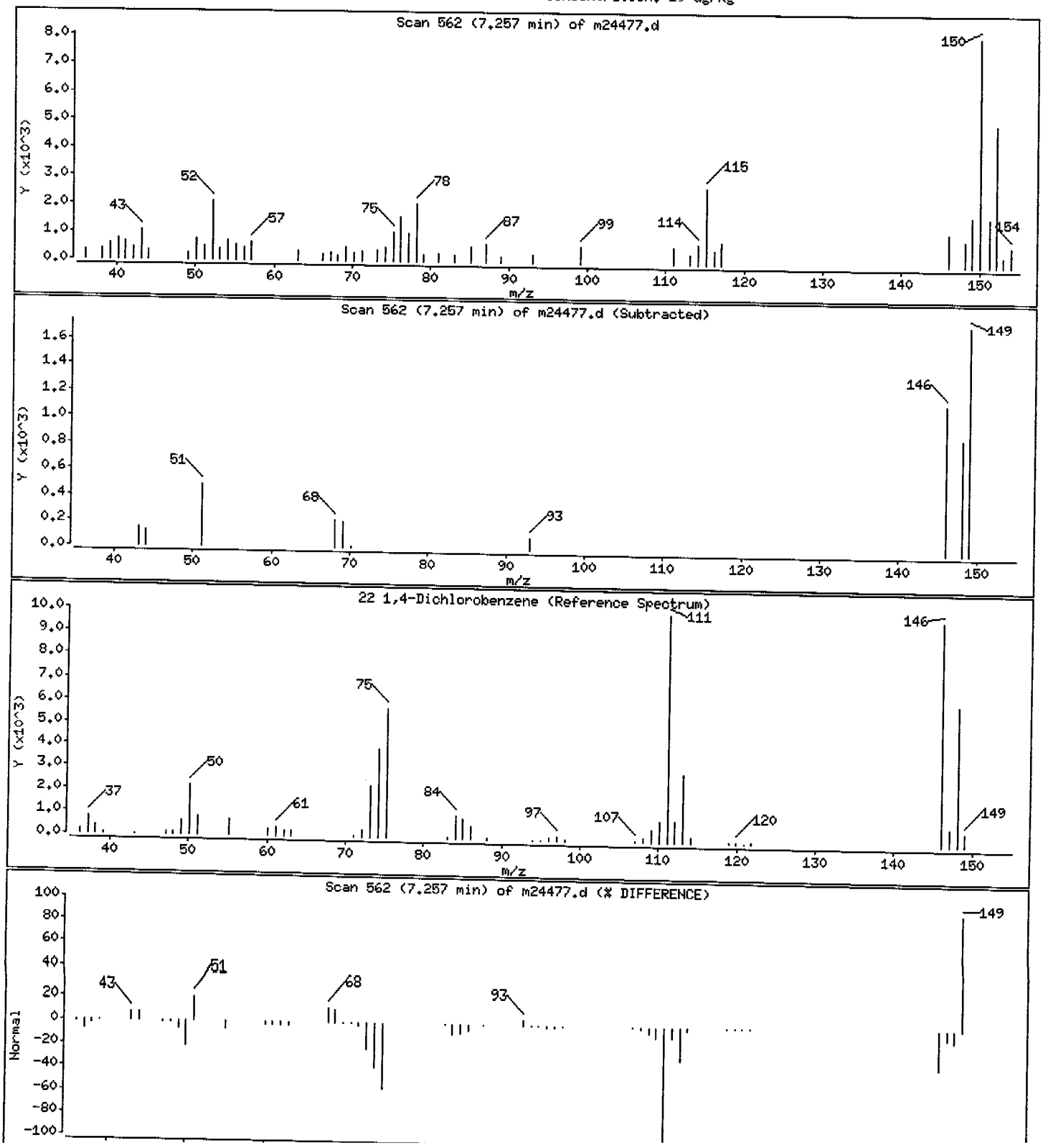
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

22 1,4-Dichlorobenzene

Concentration: 19 ug/Kg



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

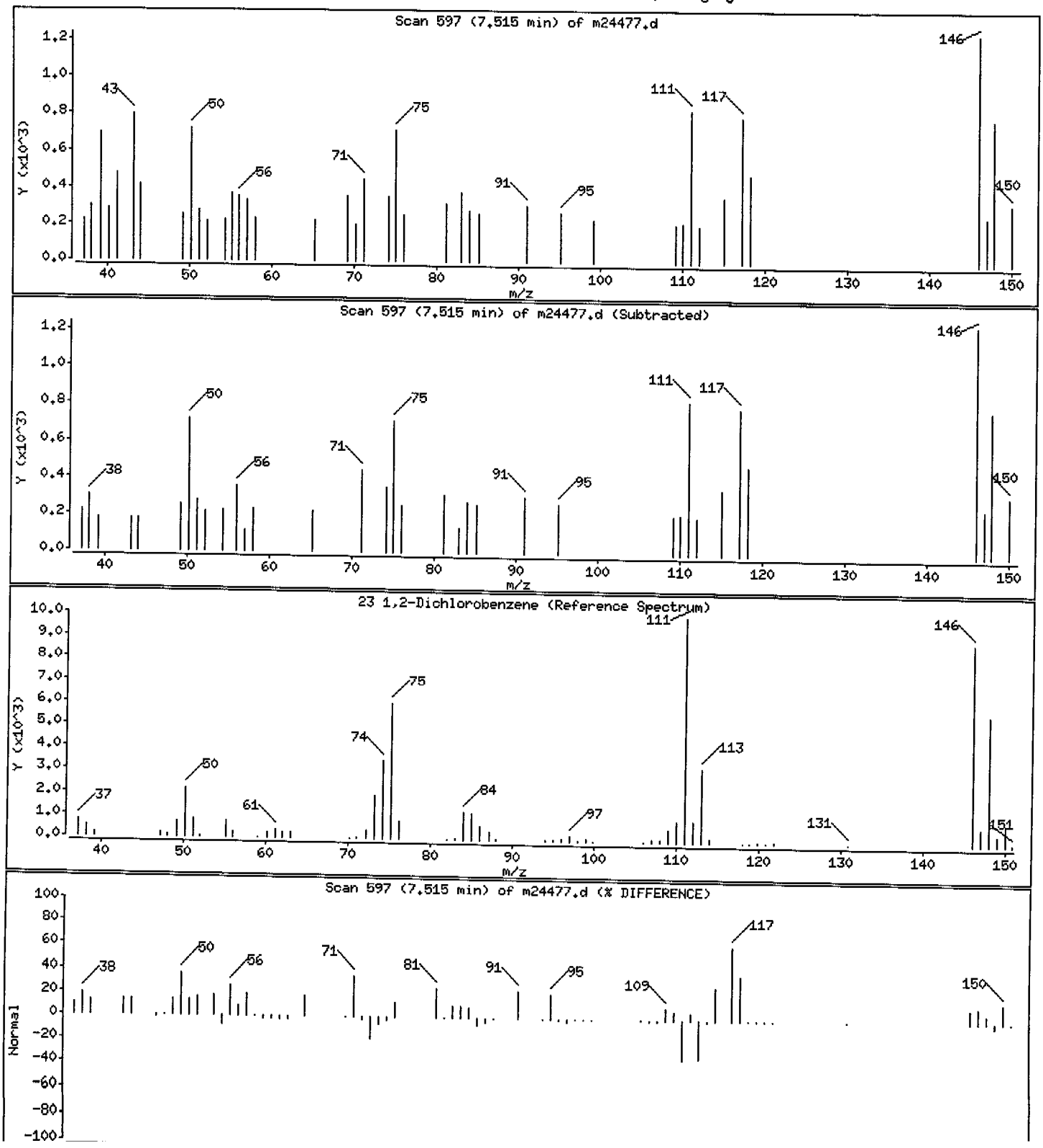
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

23 1,2-Dichlorobenzene

Concentration: 32 ug/Kg



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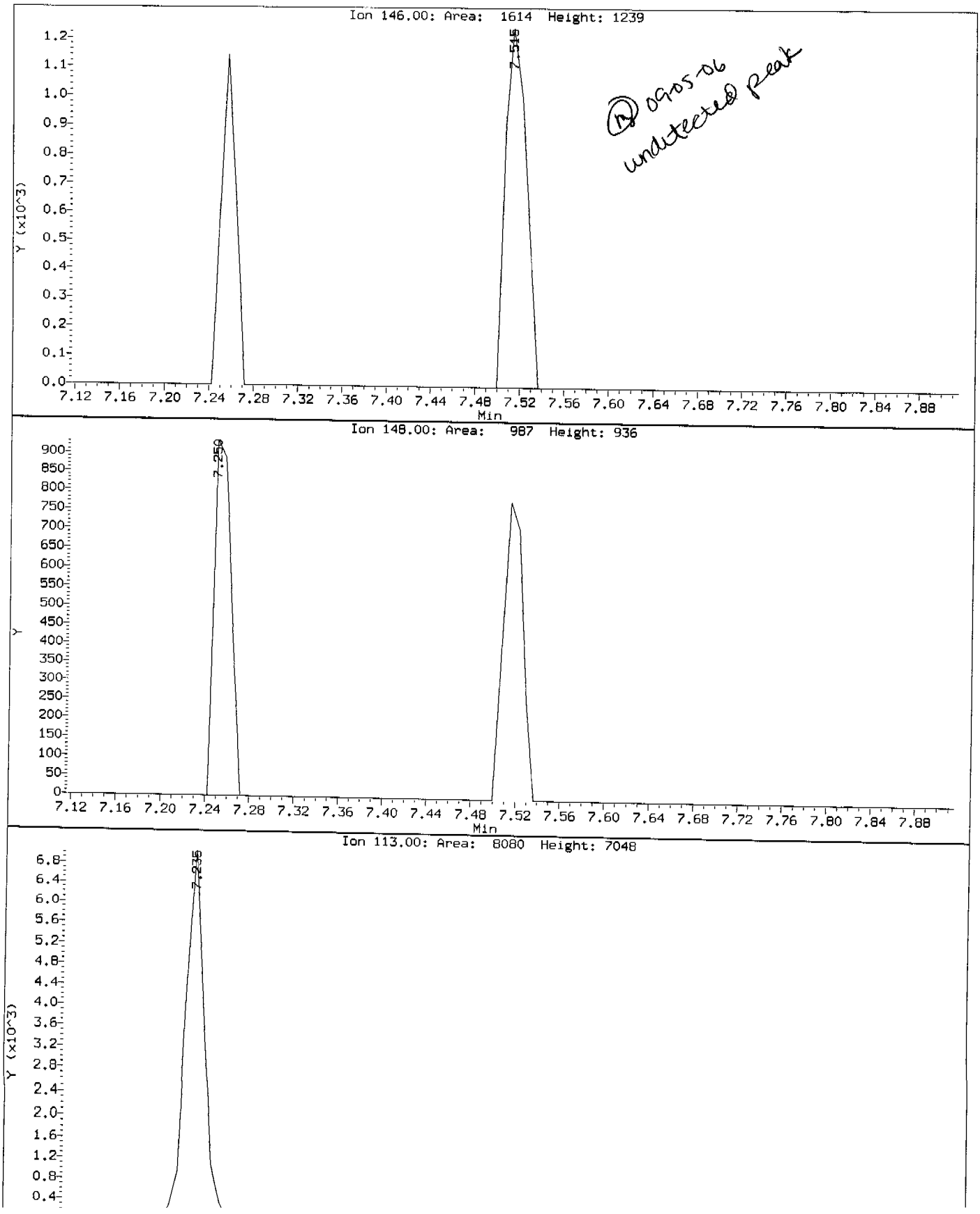
Injection Date: 02-SEP-2006 20:45
Instrument: BNAMS6.i
Client Sample ID: B1301-SS01

Compound: 1,2-Dichlorobenzene
CAS Number: 95-50-1



0905-06 undetected peak

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

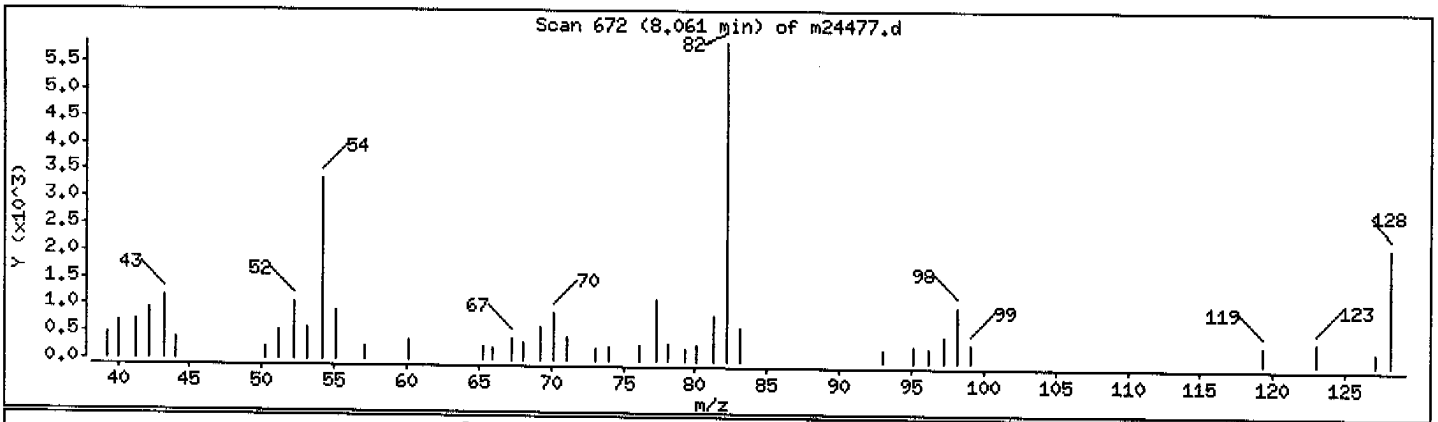
Operator: BNAMS 4

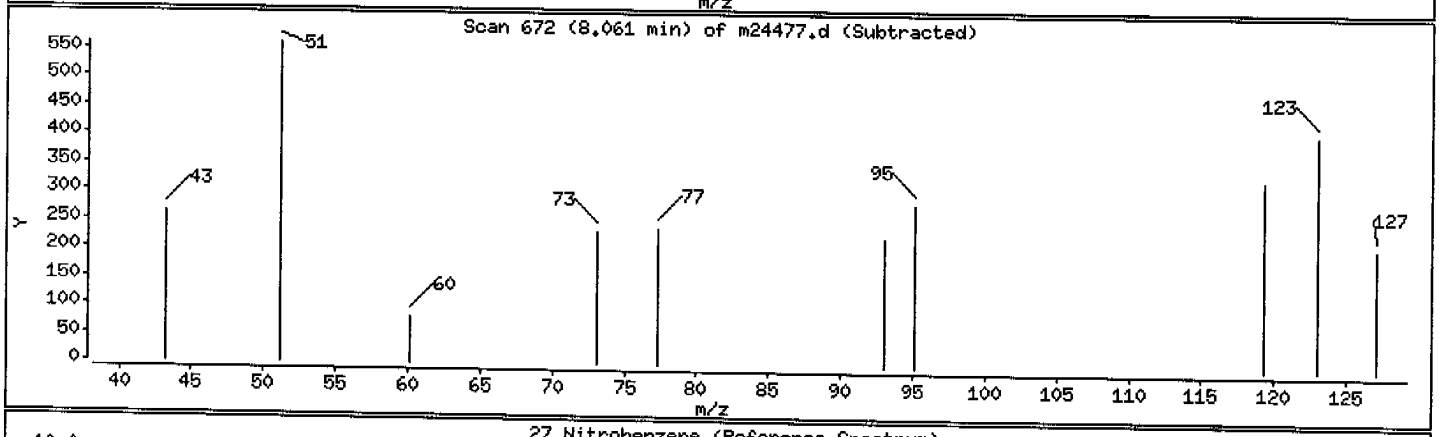
Column phase: DB-5

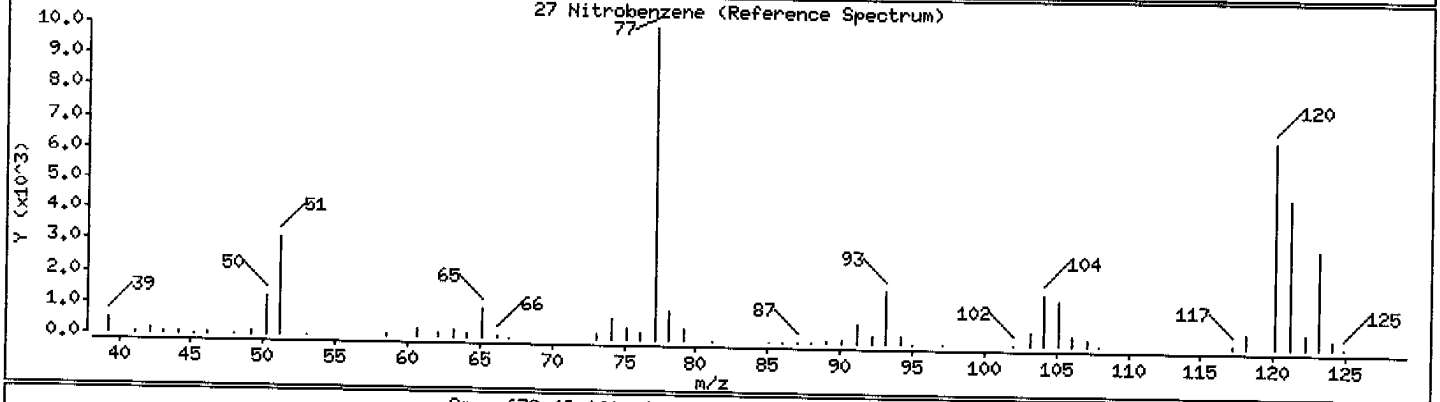
Column diameter: 0.25

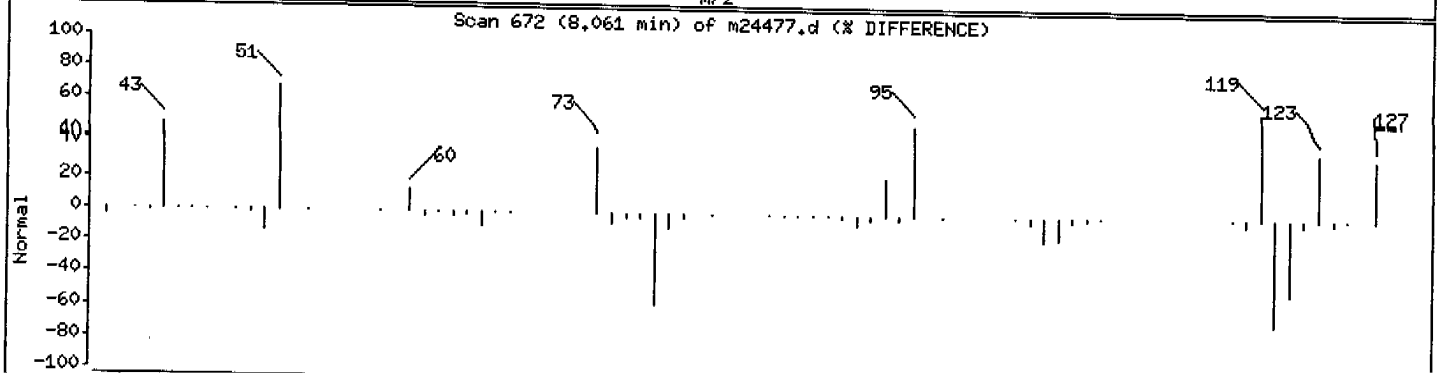
27 Nitrobenzene

Concentration: 19 ug/Kg









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Date : 02-SEP-2006 20:45

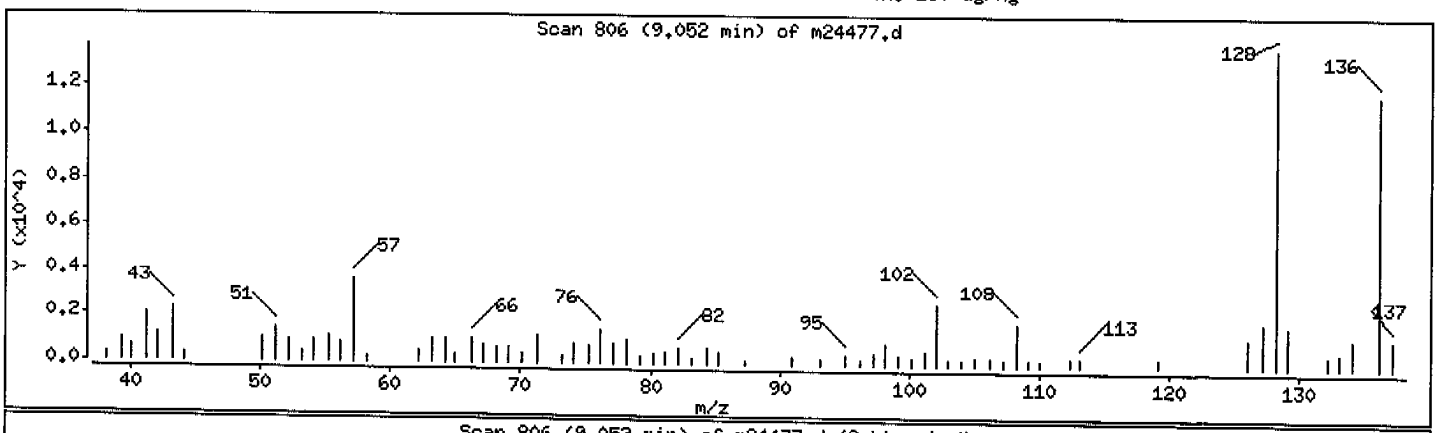
Client ID: B1301-SS01 Instrument: BNAMS6.i

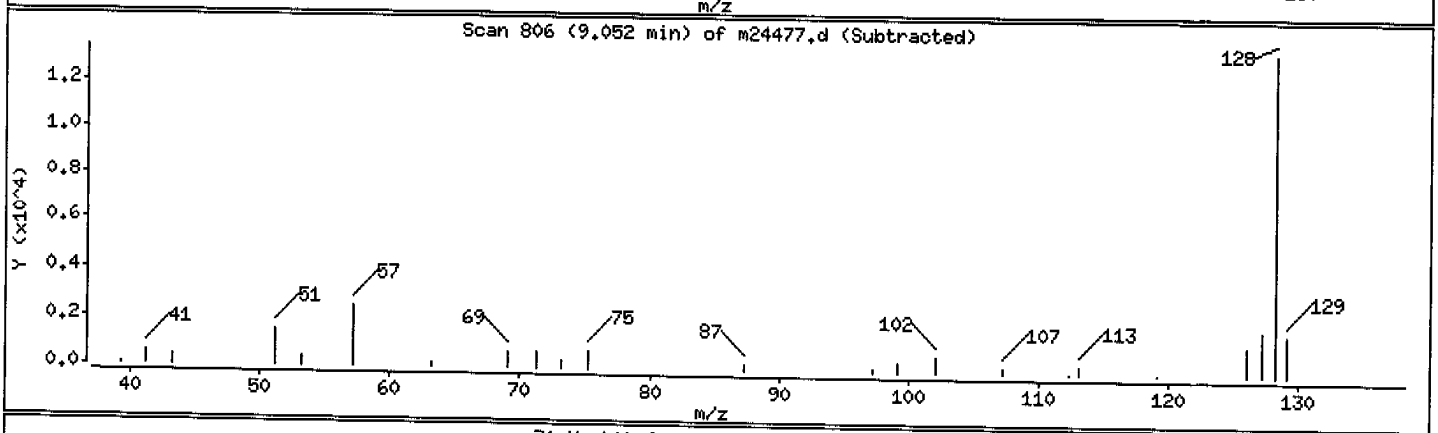
Sample Info: 765862;3208651

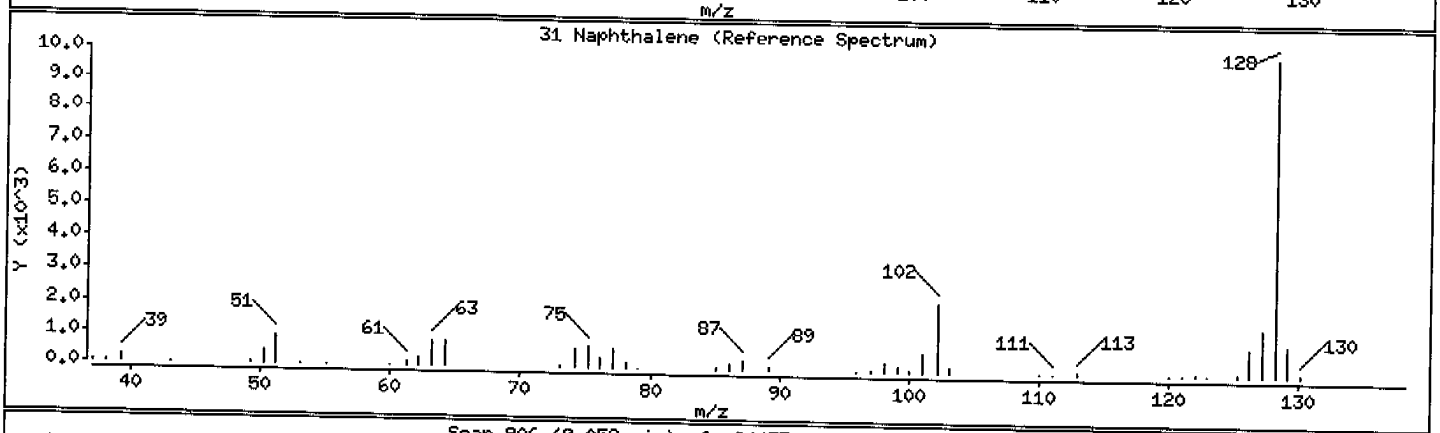
Operator: BNAMS 4

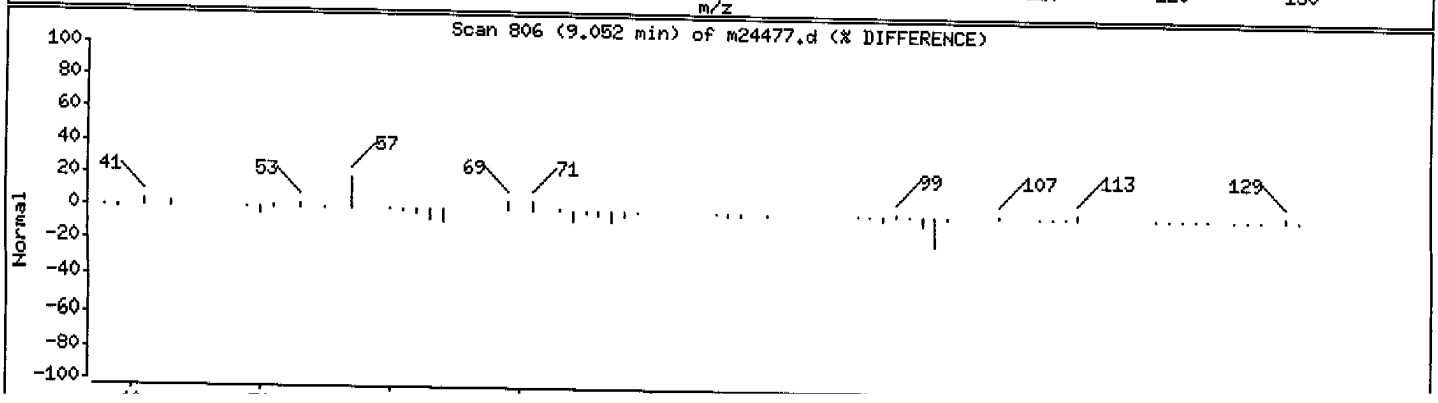
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 130 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

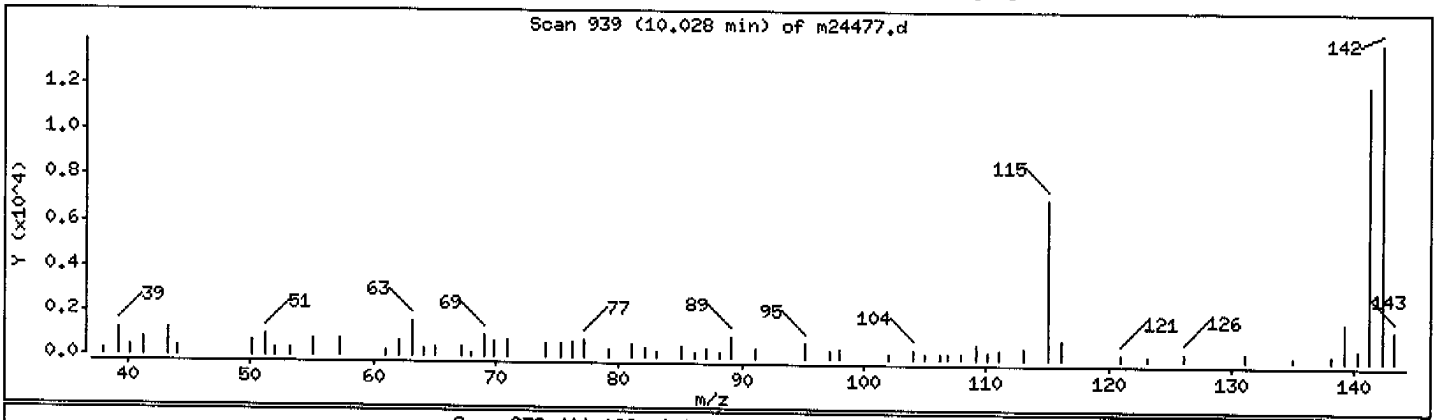
Client ID: B1301-SS01 Instrument: BNAMS6.i

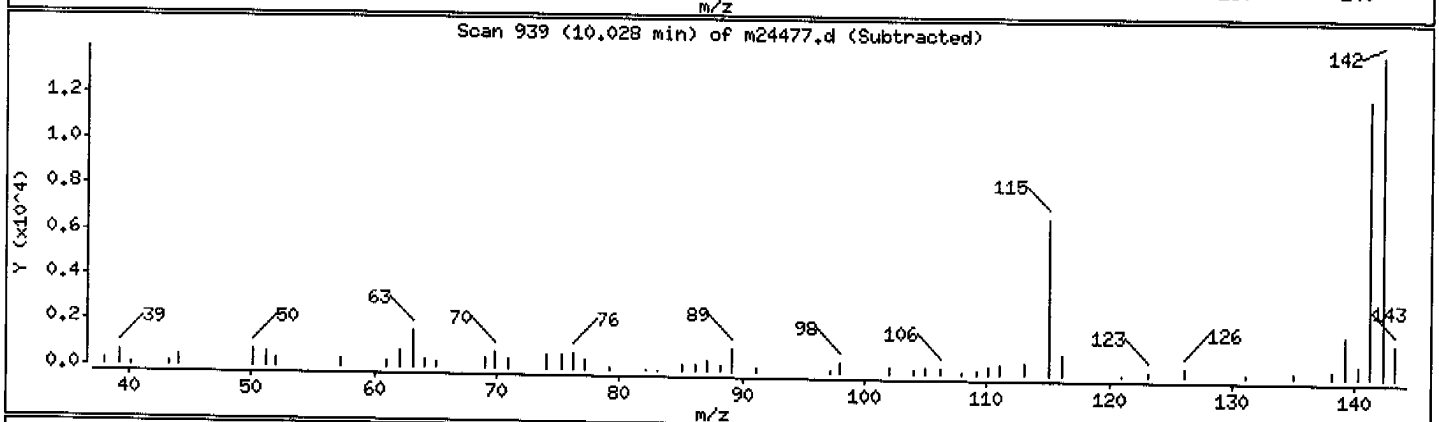
Sample Info: 765862;3208651

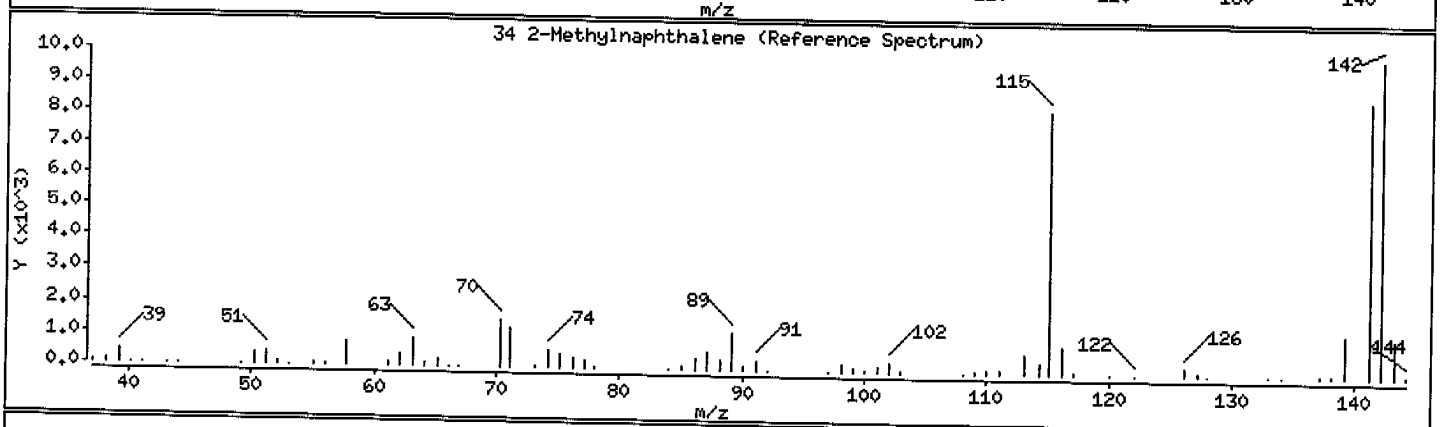
Operator: BNAMS 4

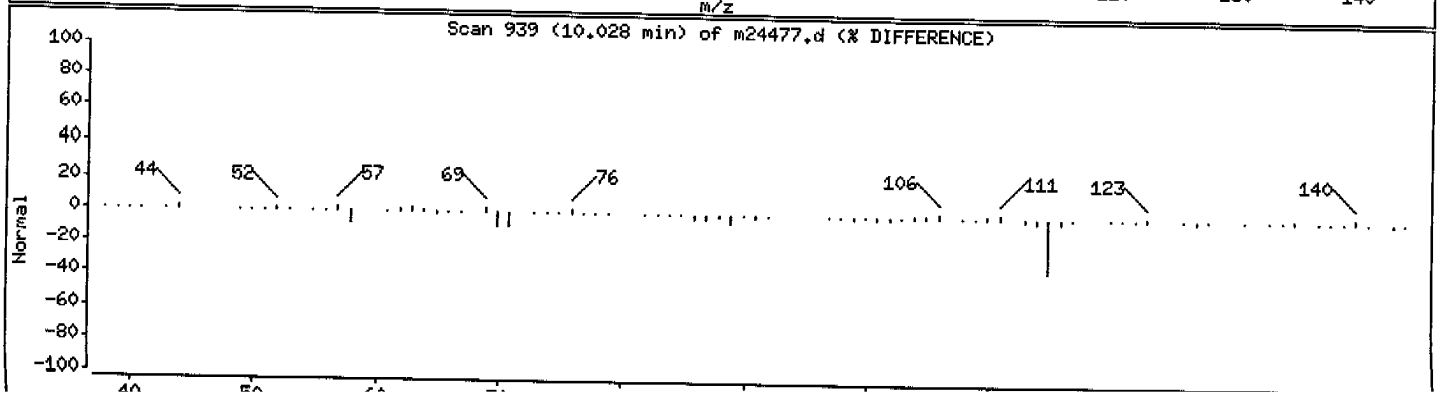
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 190 ug/Kg









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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

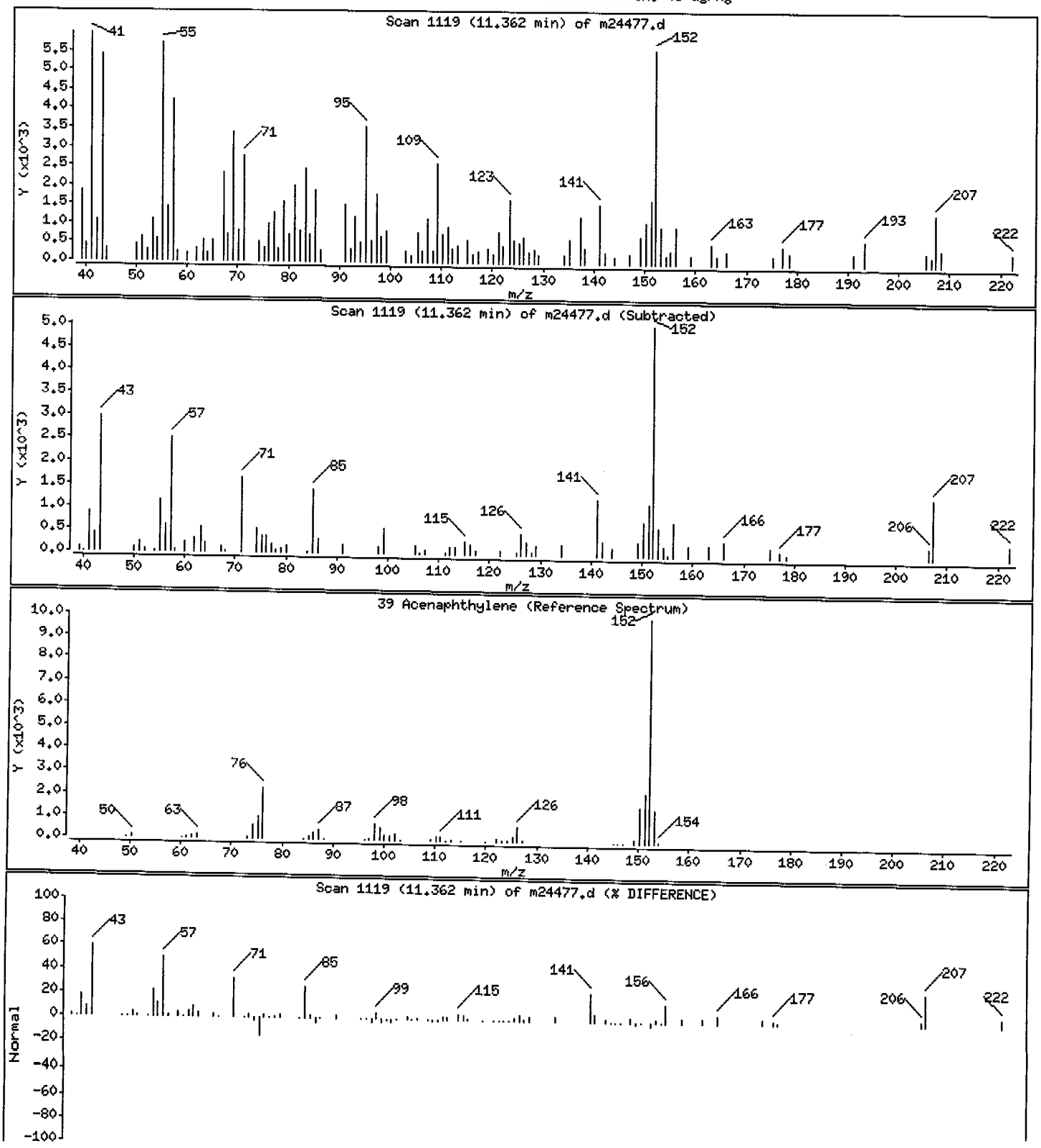
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

39 Acenaphthylene

Concentration: 43 ug/Kg



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Date : 02-SEP-2006 20:45

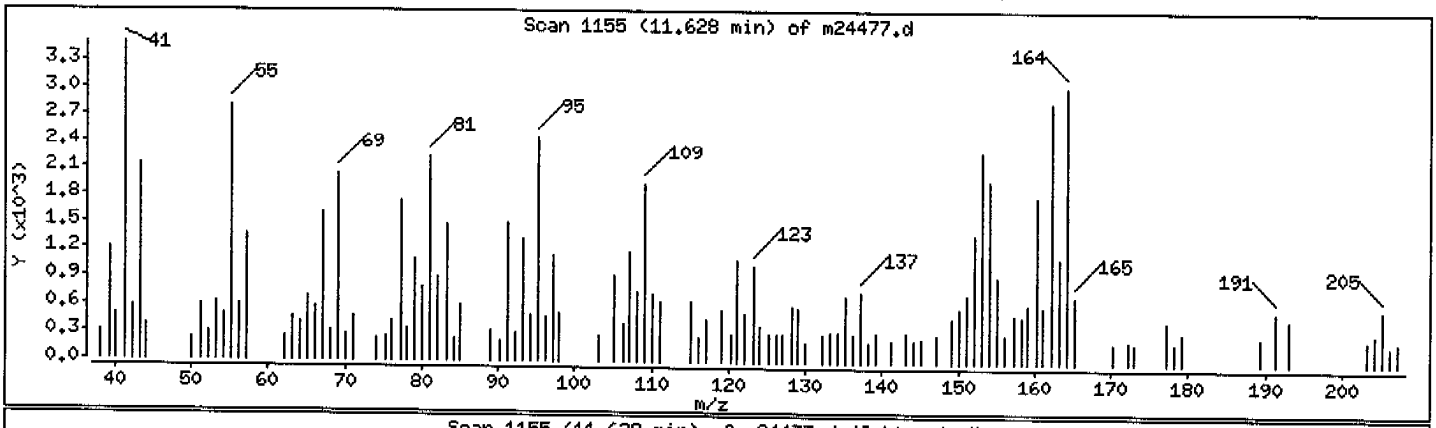
Client ID: B1301-SS01 Instrument: BNAMS6.i

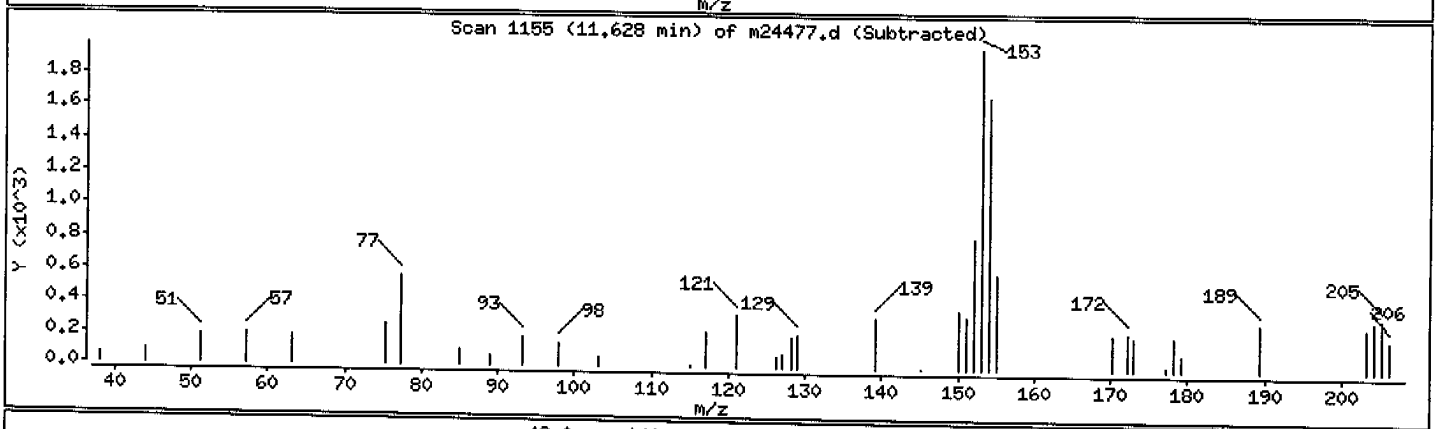
Sample Info: 765862;3208651

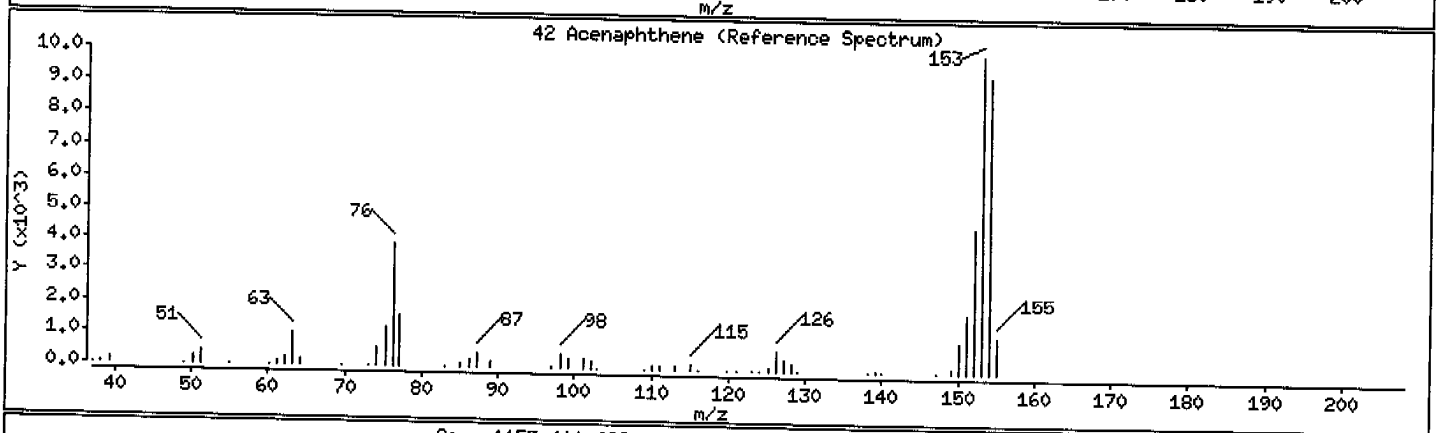
Operator: BNAMS 4

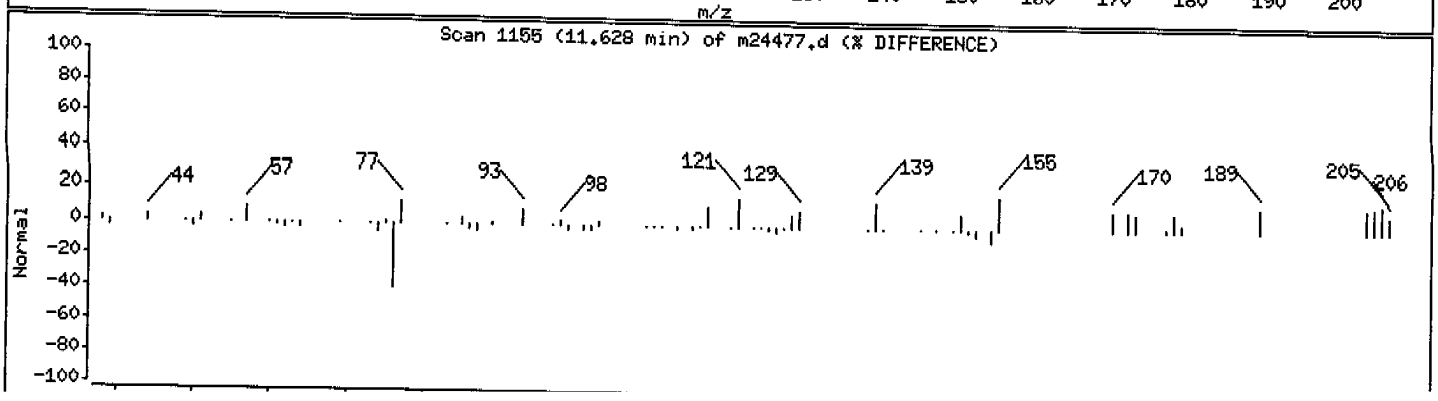
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 32 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

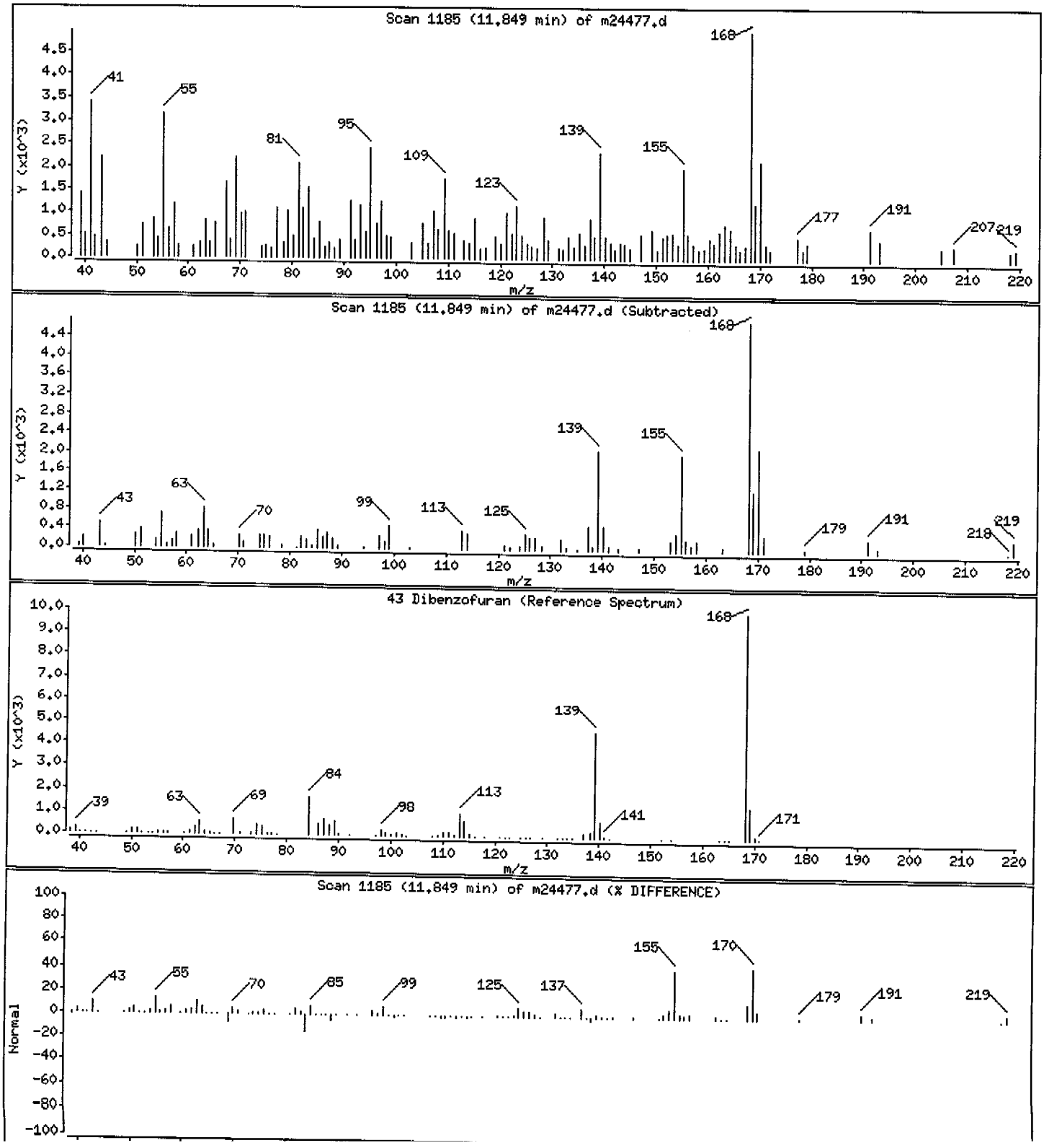
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

43 Dibenzofuran

Concentration: 48 ug/Kg



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862:3208651

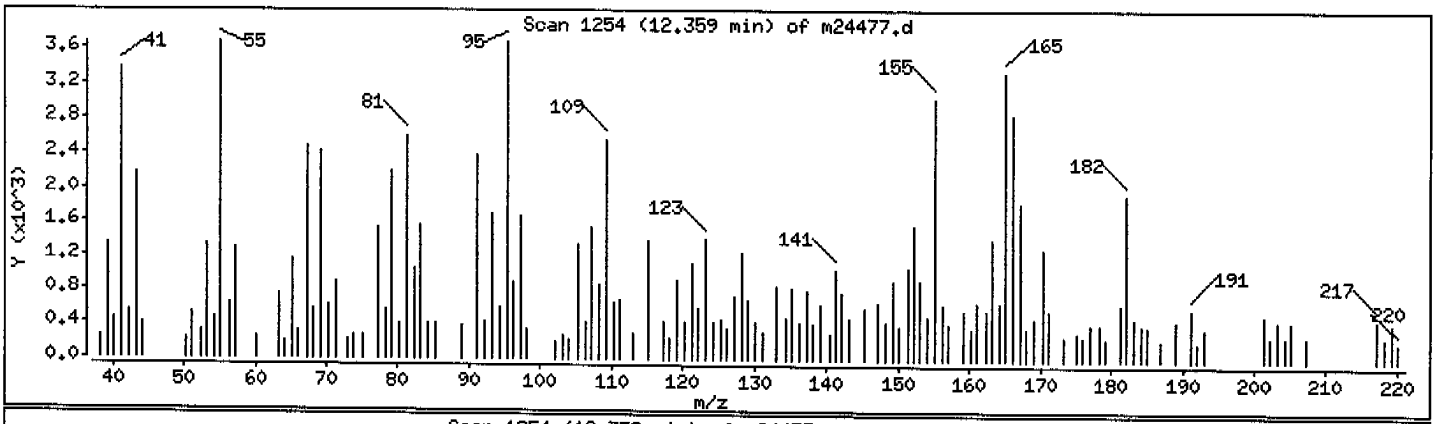
Operator: BNAMS 4

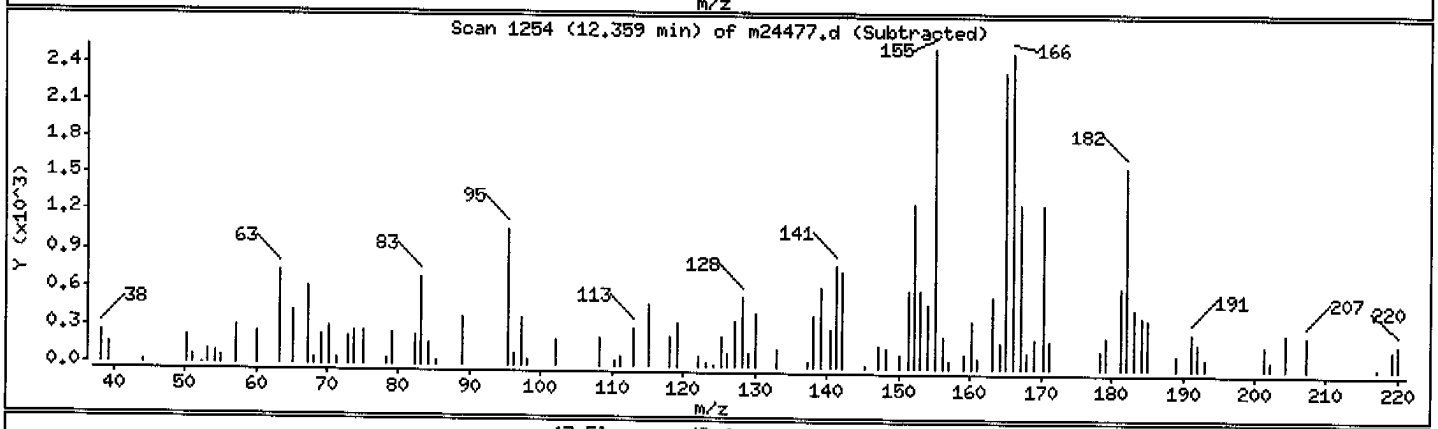
Column phase: DB-5

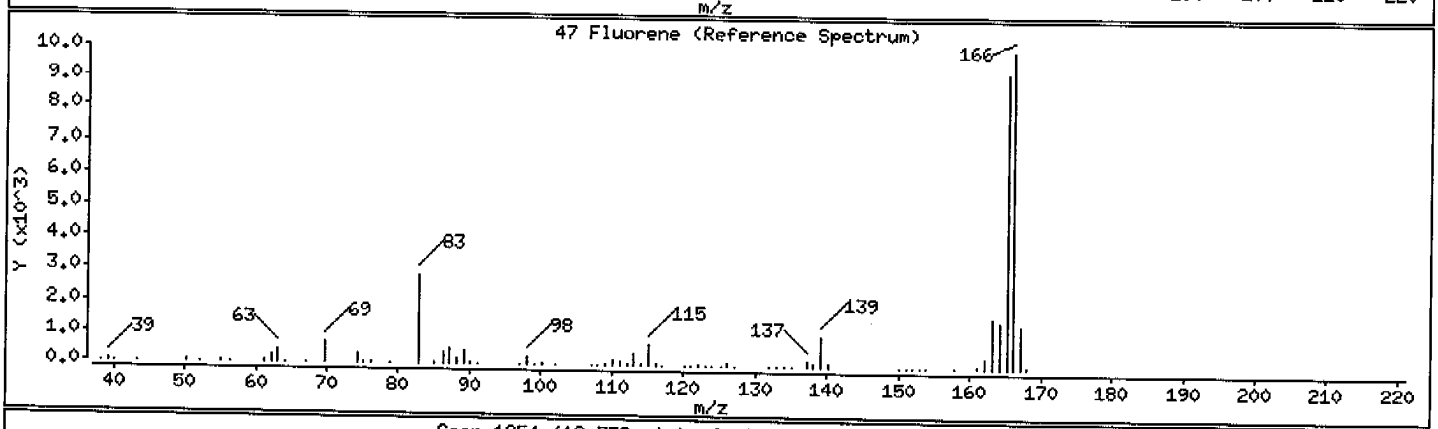
Column diameter: 0.25

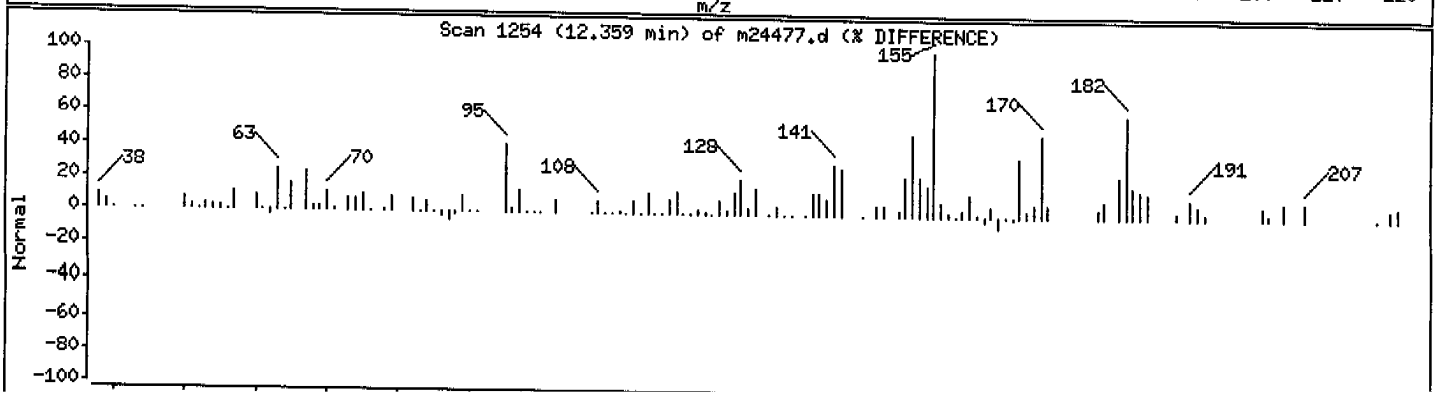
47 Fluorene

Concentration: 42 ug/Kg









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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

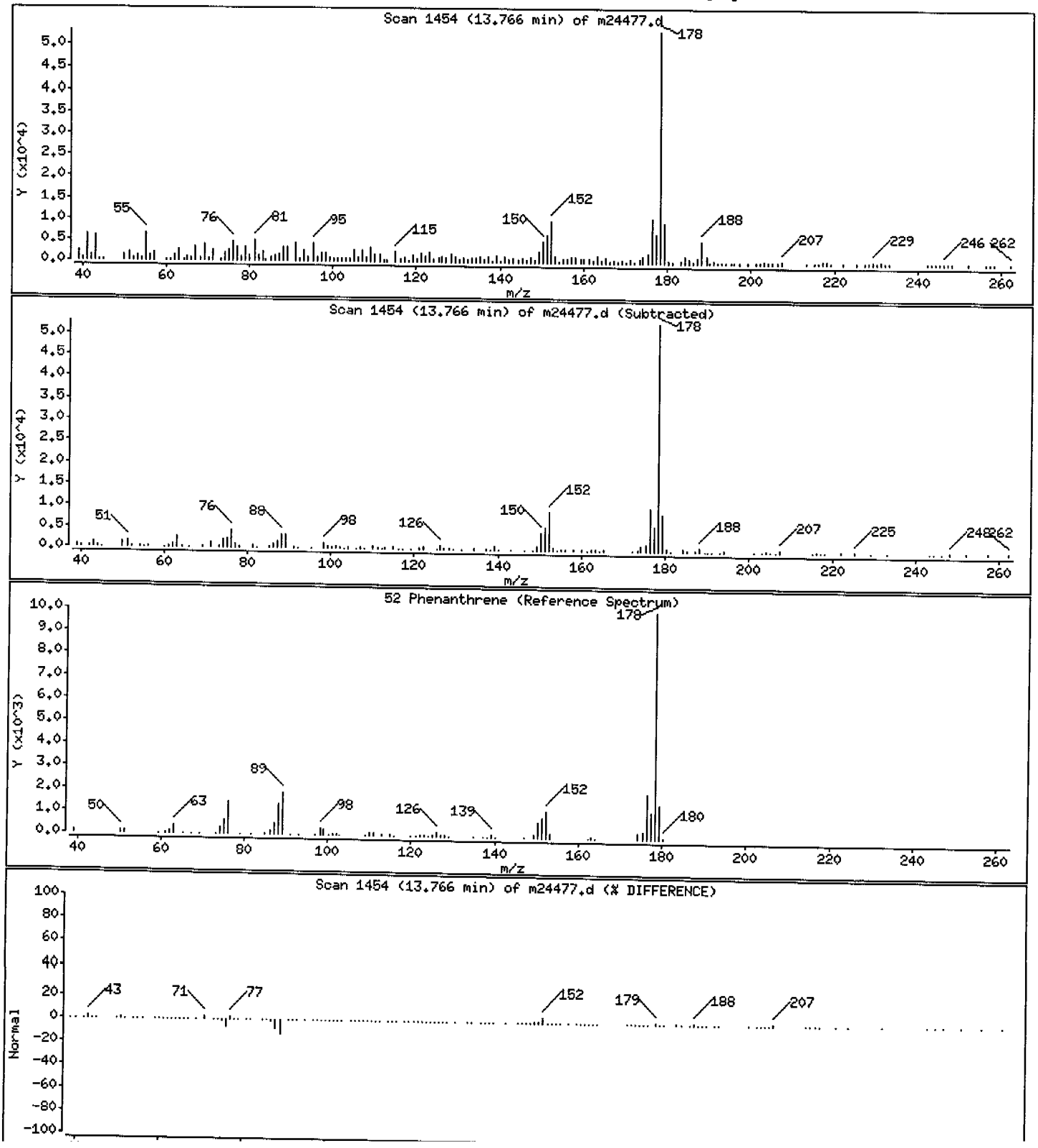
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

52 Phenanthrene

Concentration: 560 ug/Kg



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862:3208651

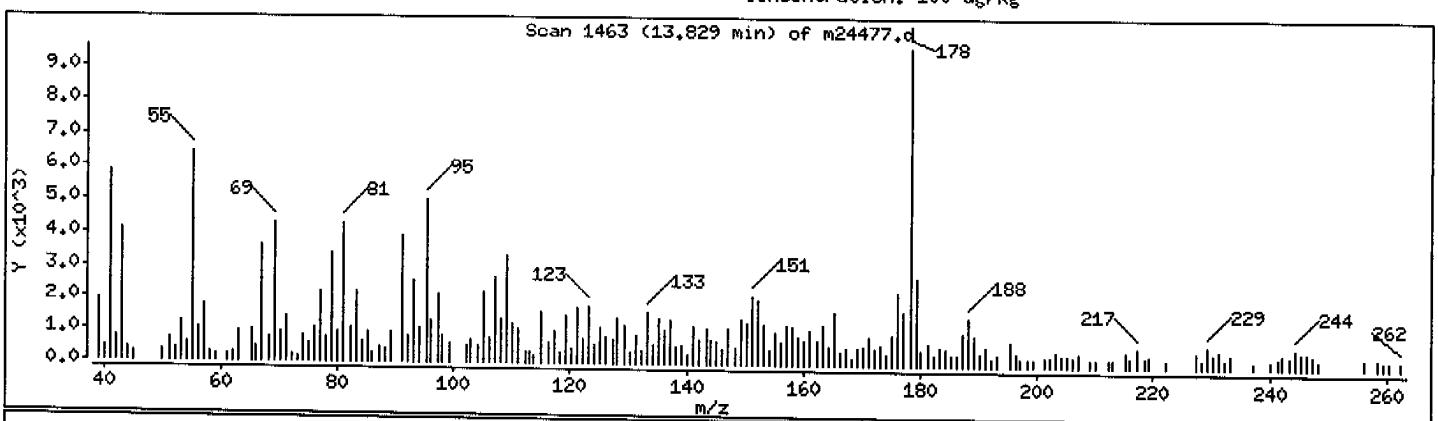
Operator: BNAMS 4

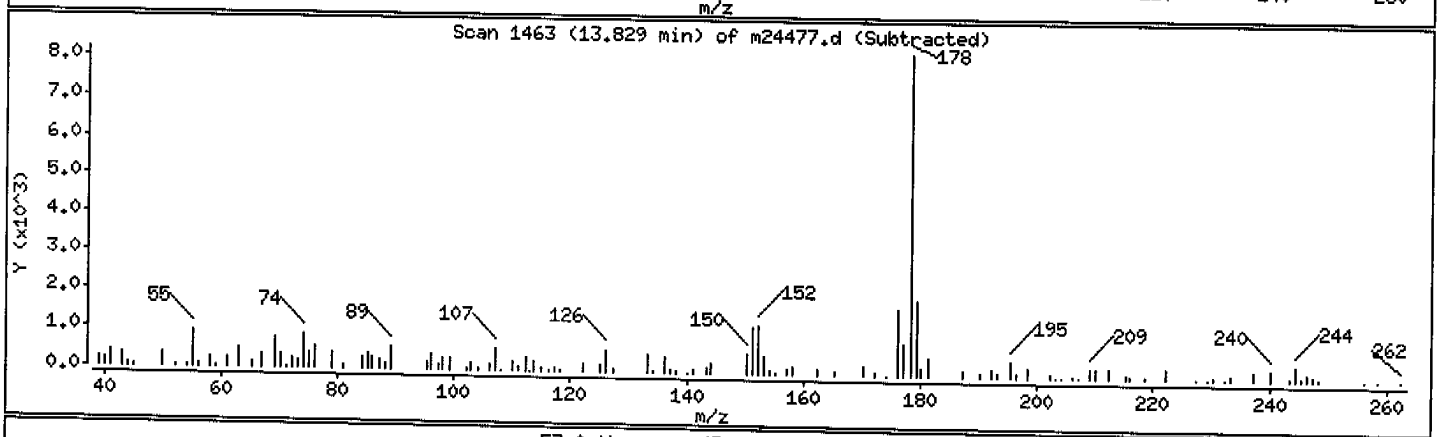
Column phase: DB-5

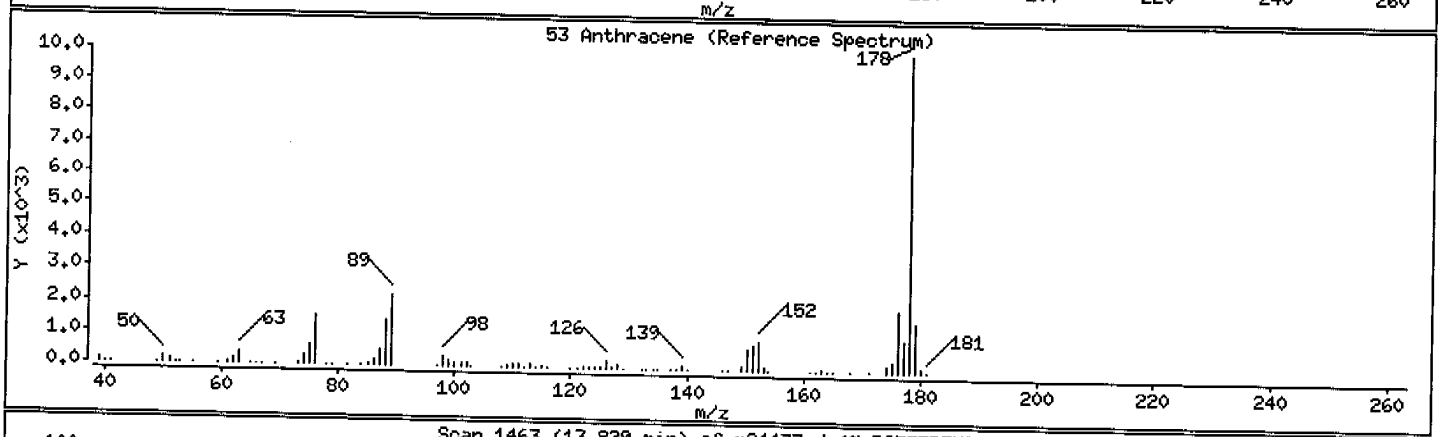
Column diameter: 0.25

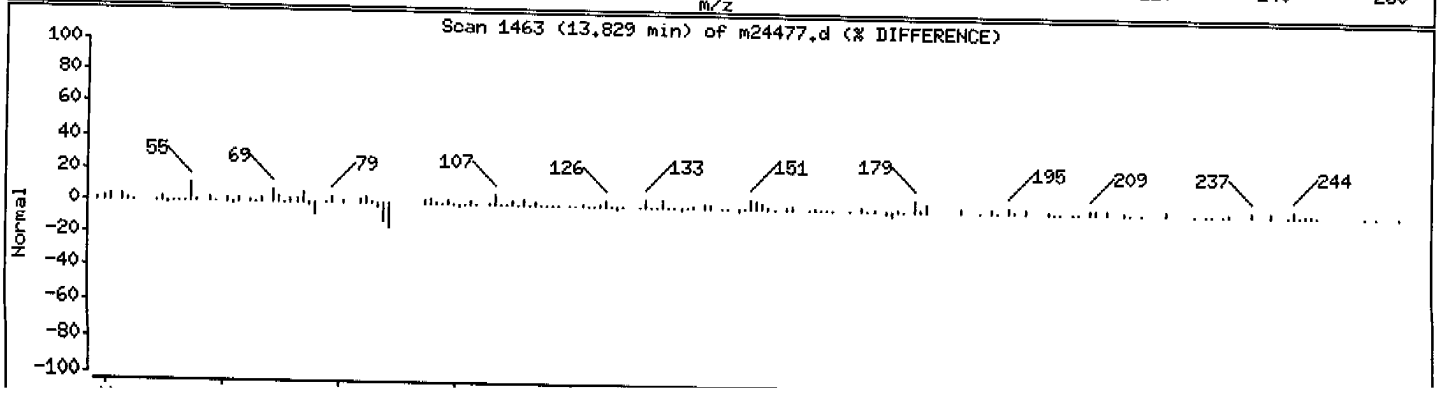
53 Anthracene

Concentration: 100 ug/Kg









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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

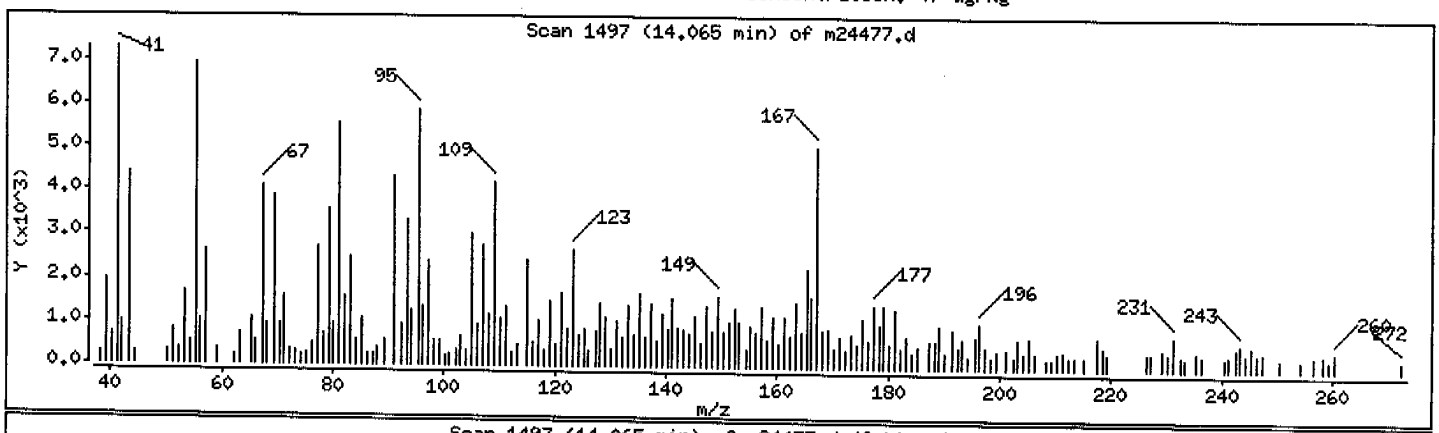
Operator: BNAMS 4

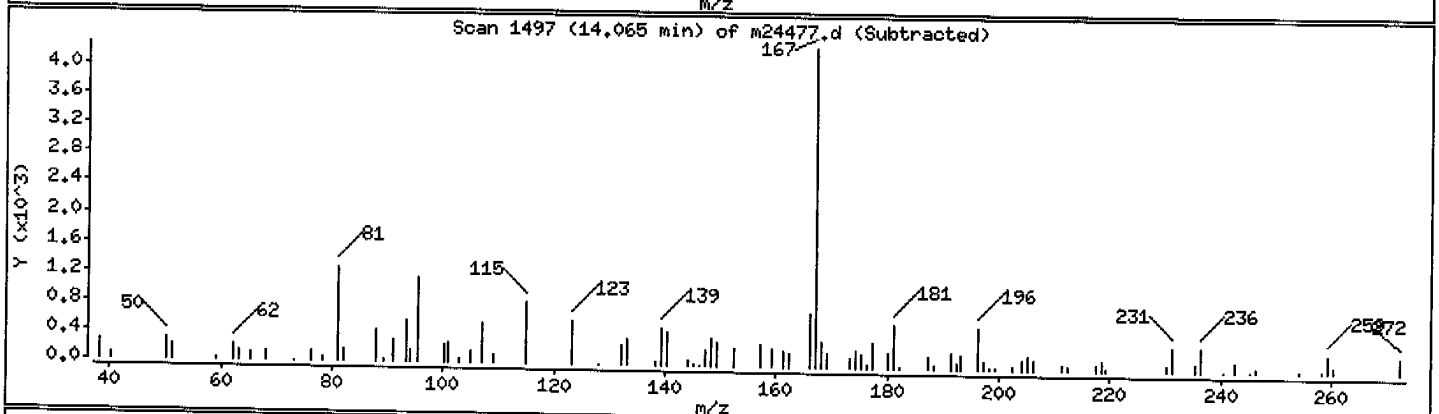
Column phase: DB-5

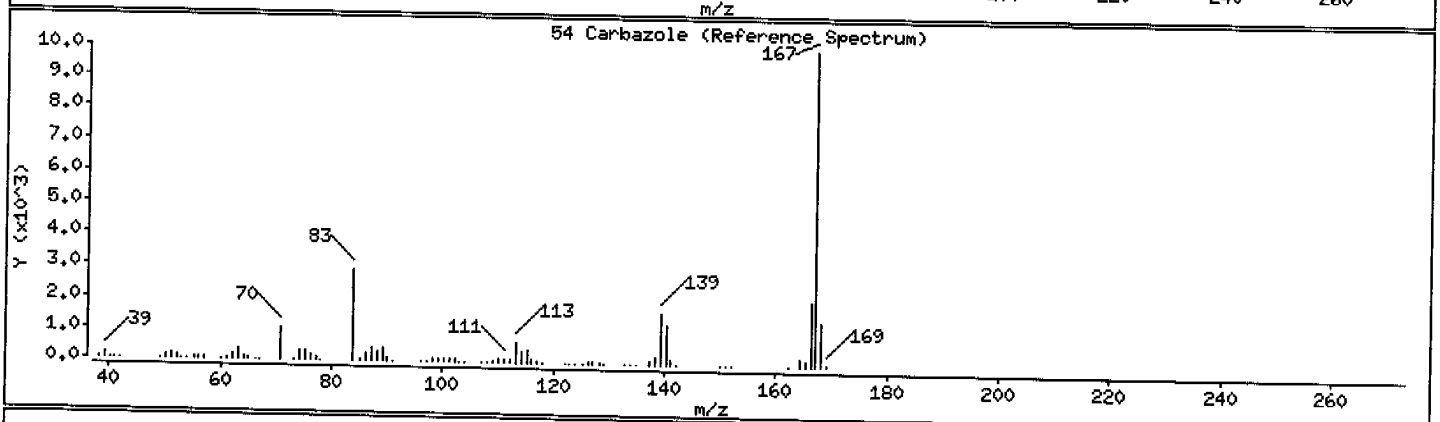
Column diameter: 0.25

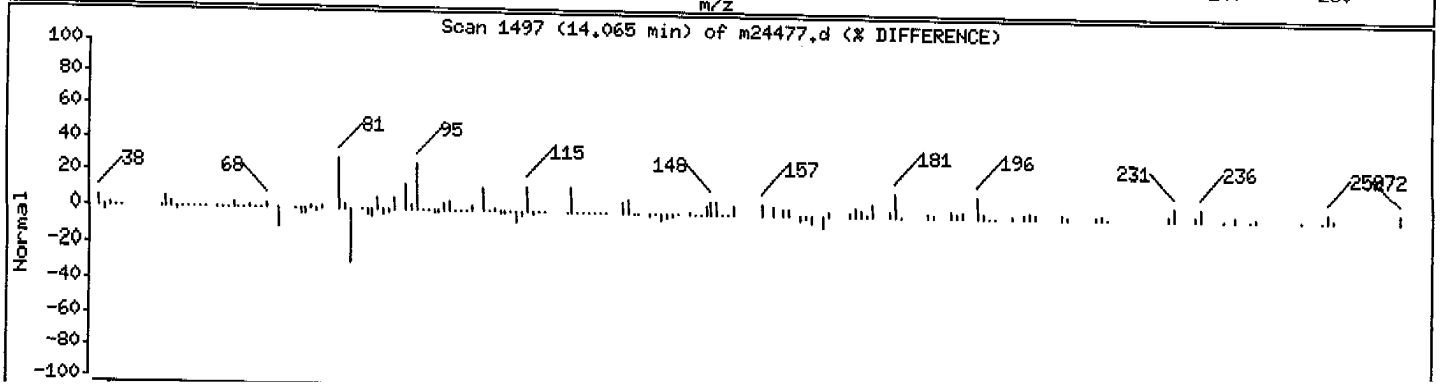
54 Carbazole

Concentration: 47 ug/Kg









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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

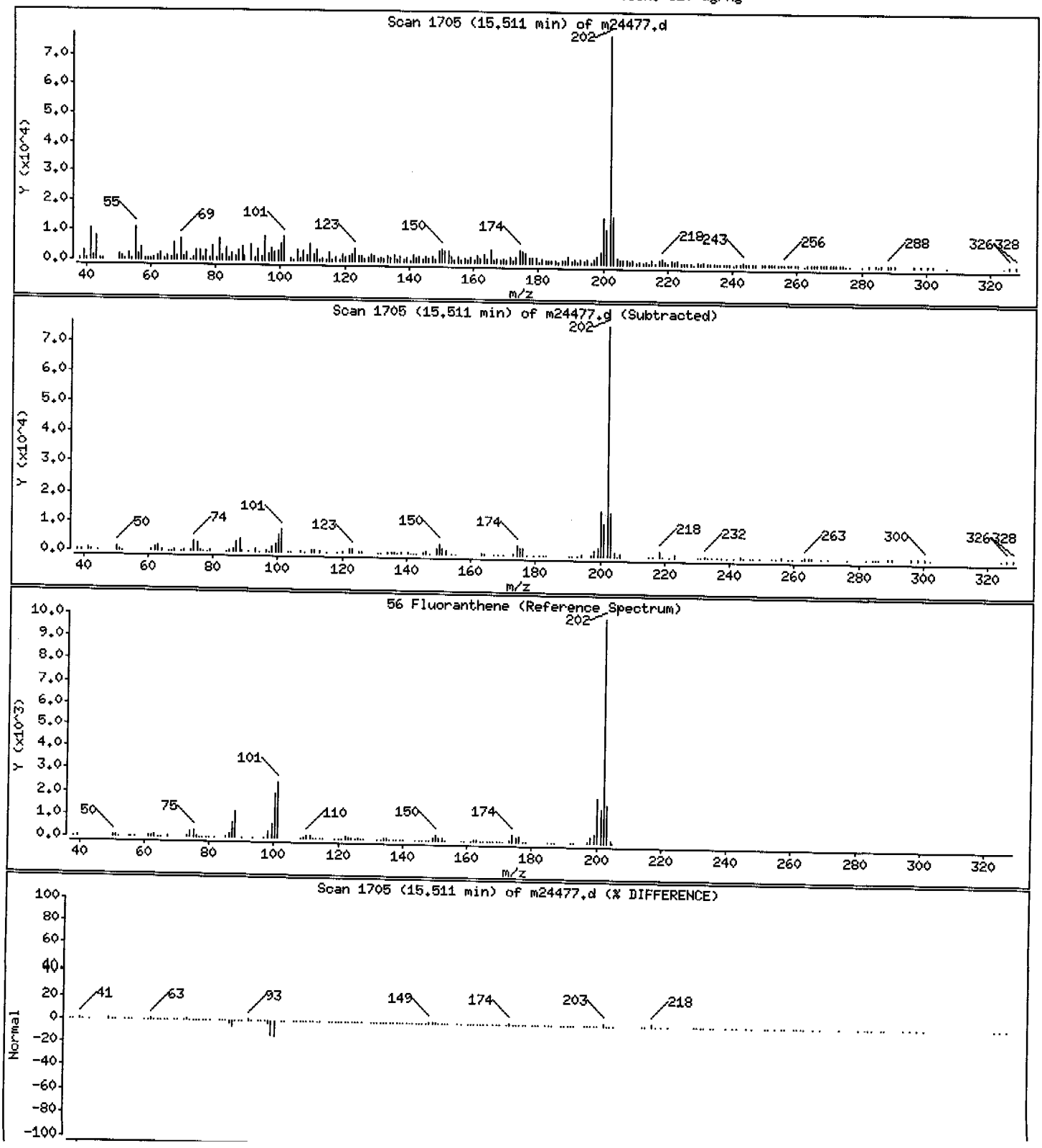
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

56 Fluoranthene

Concentration: 810 ug/Kg



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

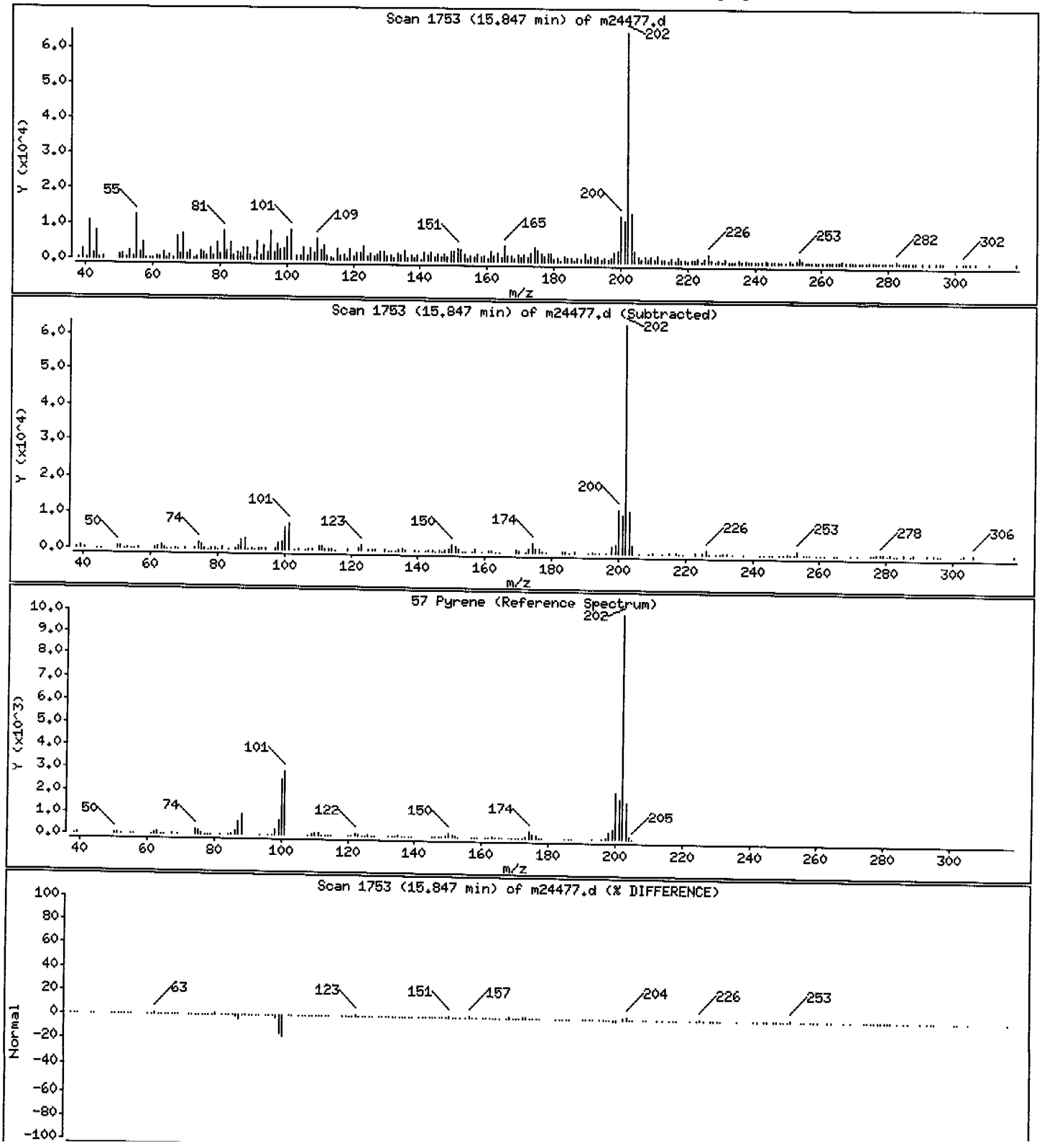
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 1500 ug/Kg



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

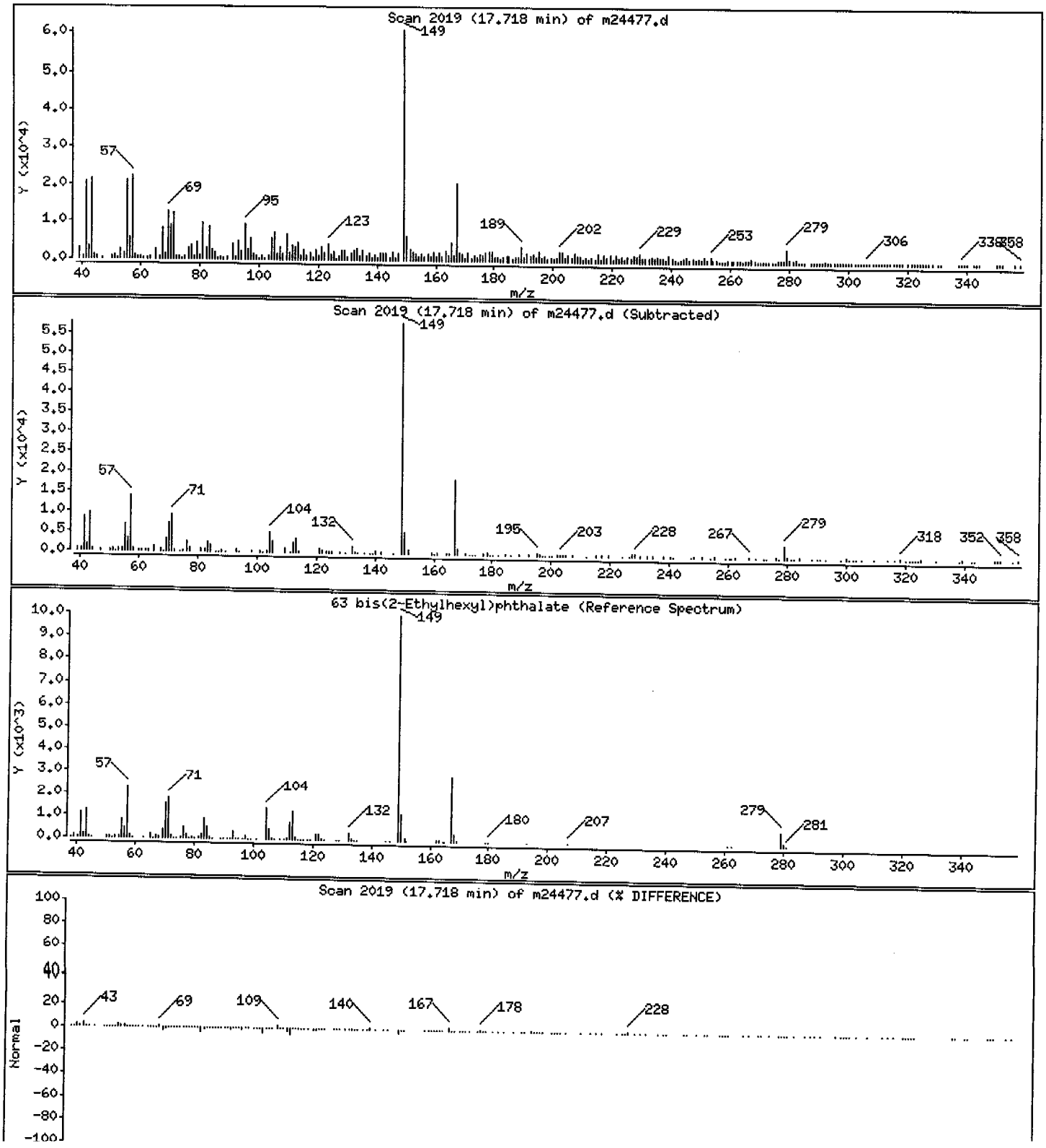
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 1200 ug/Kg



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

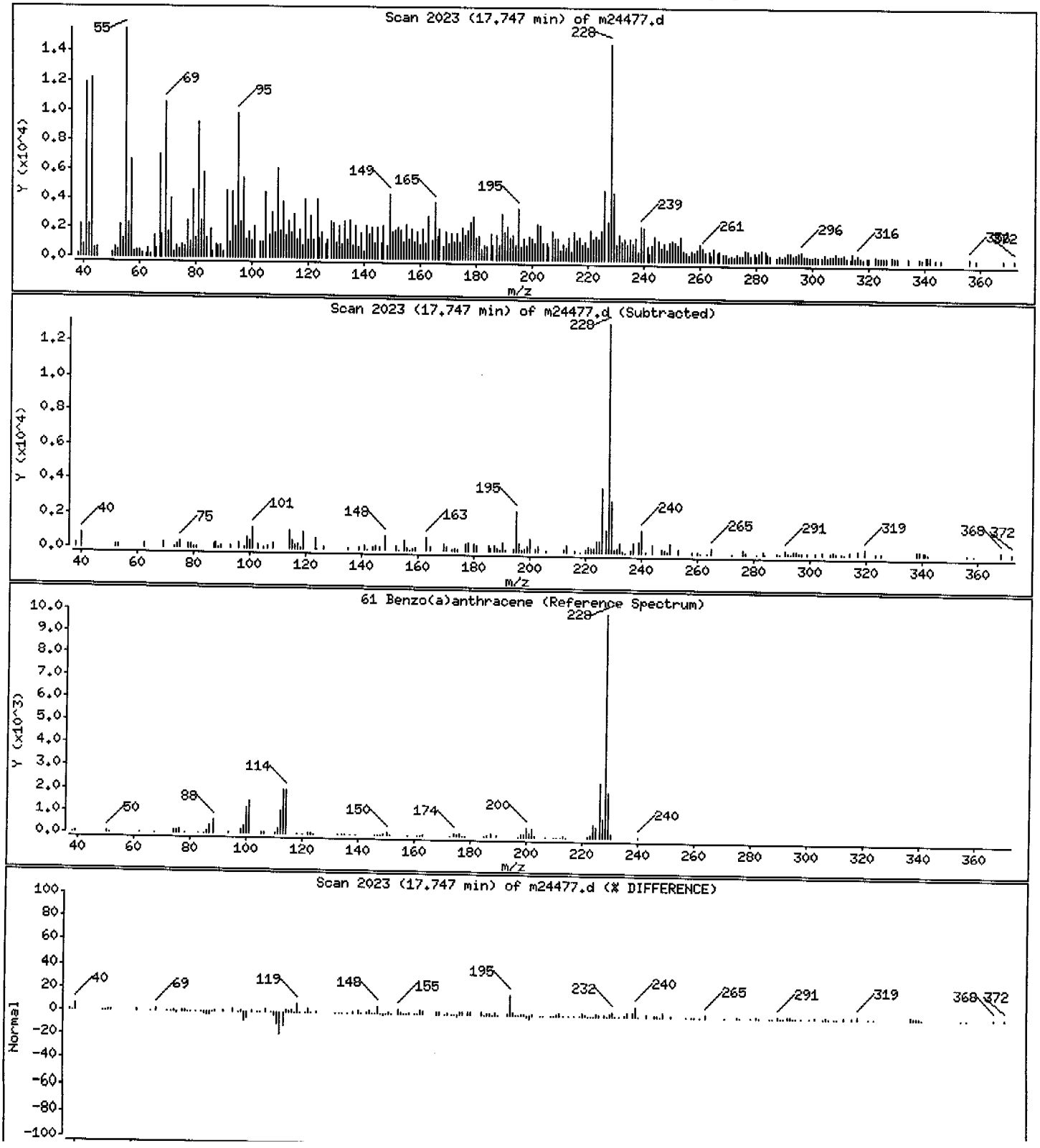
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 470 ug/Kg



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

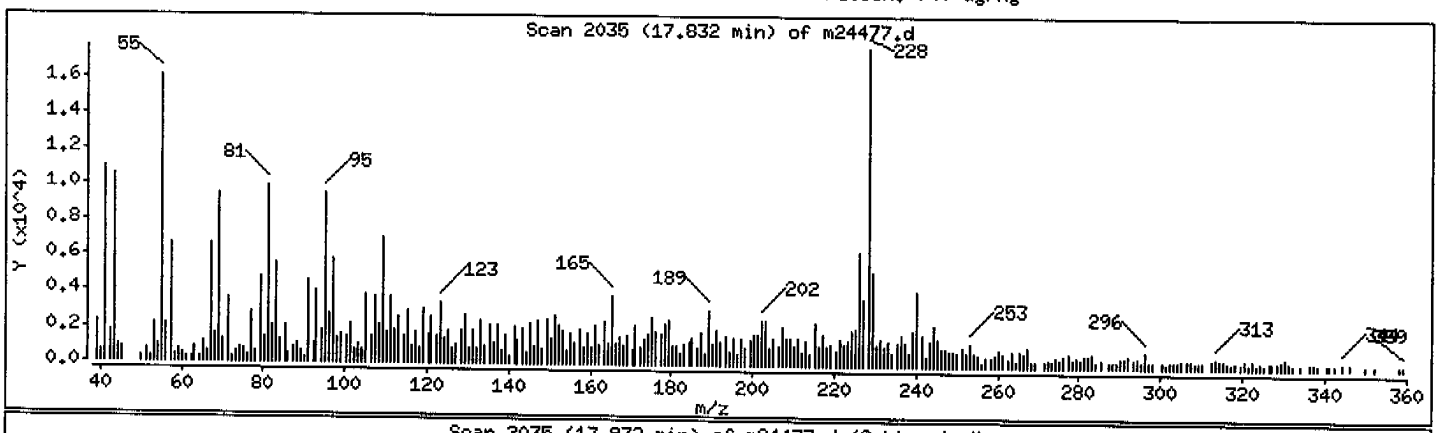
Operator: BNAMS 4

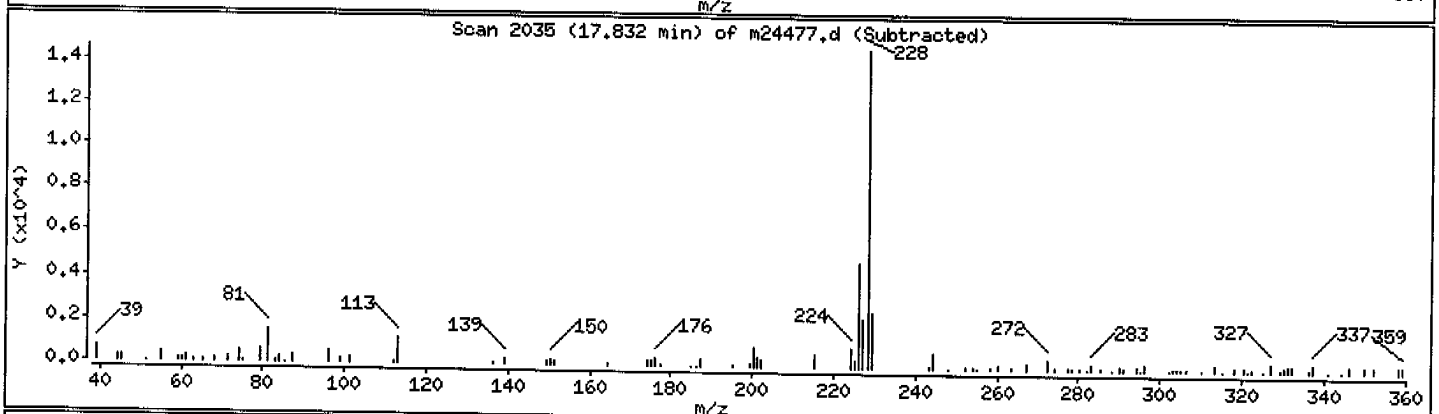
Column phase: DB-5

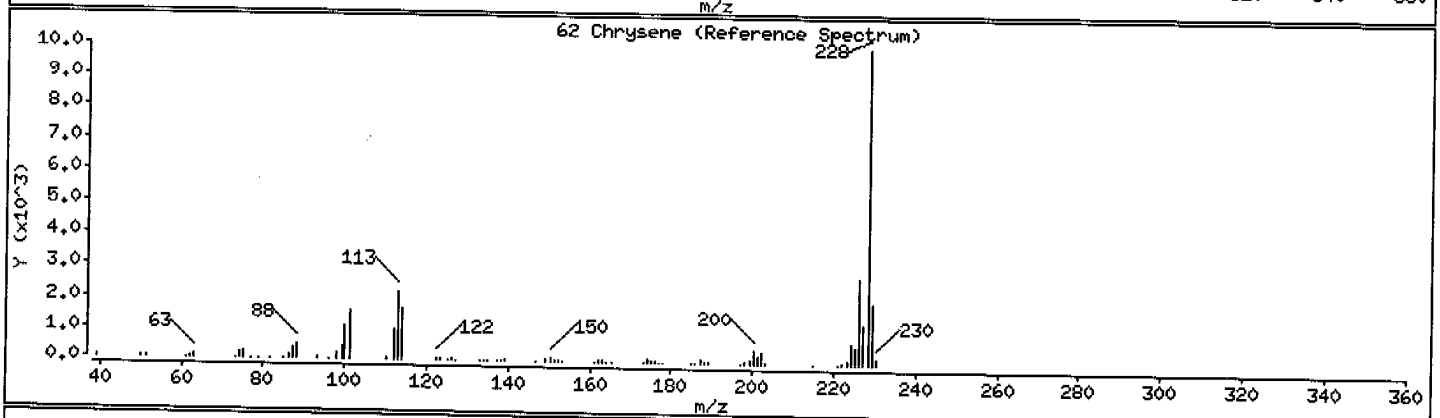
Column diameter: 0.25

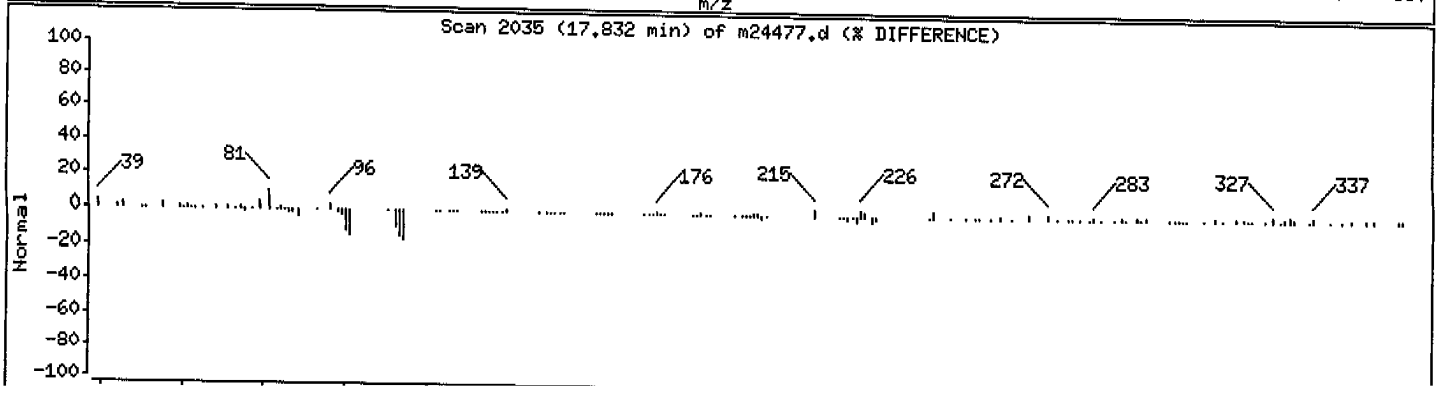
62 Chrysene

Concentration: 740 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

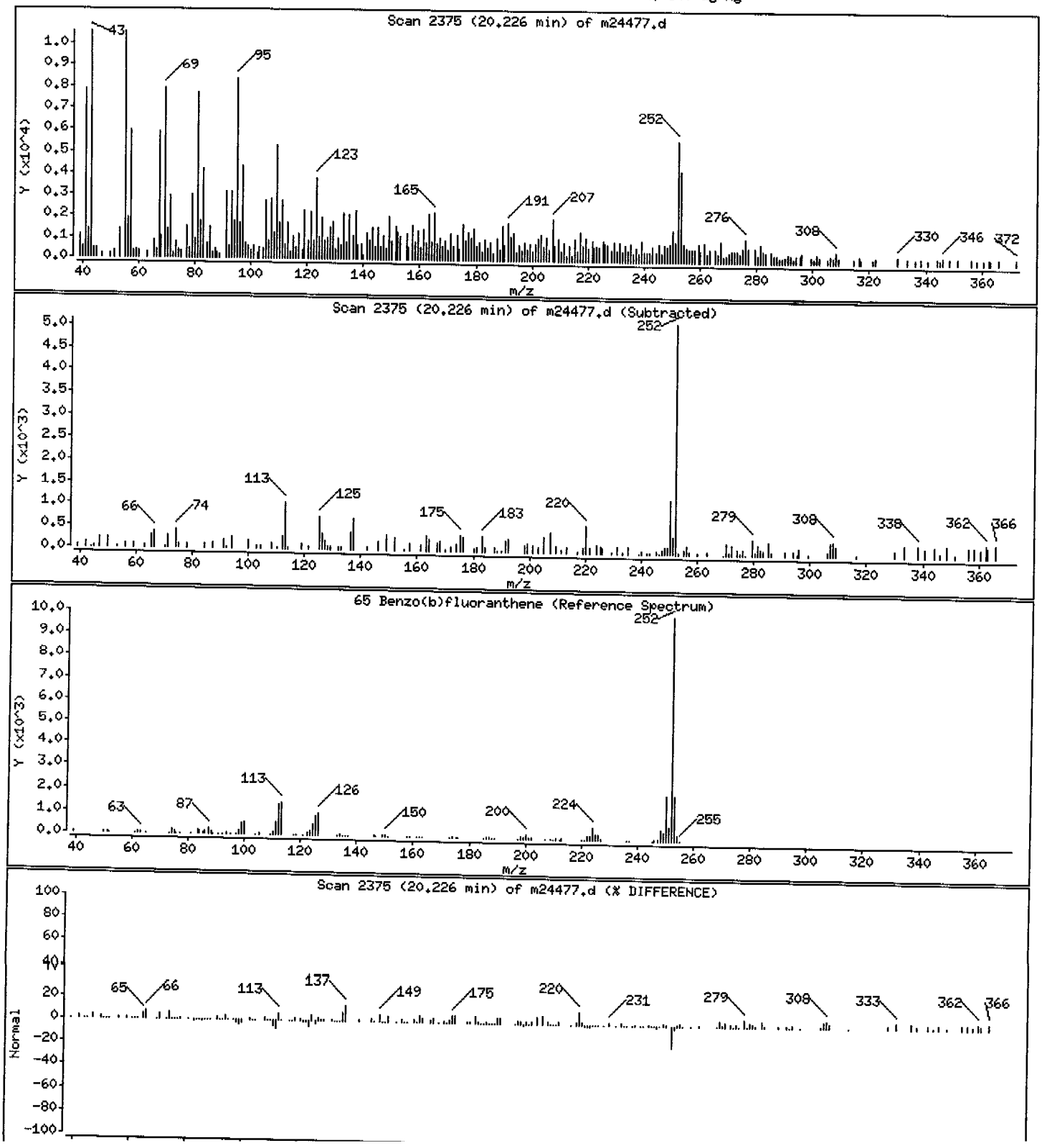
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 640 ug/Kg



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

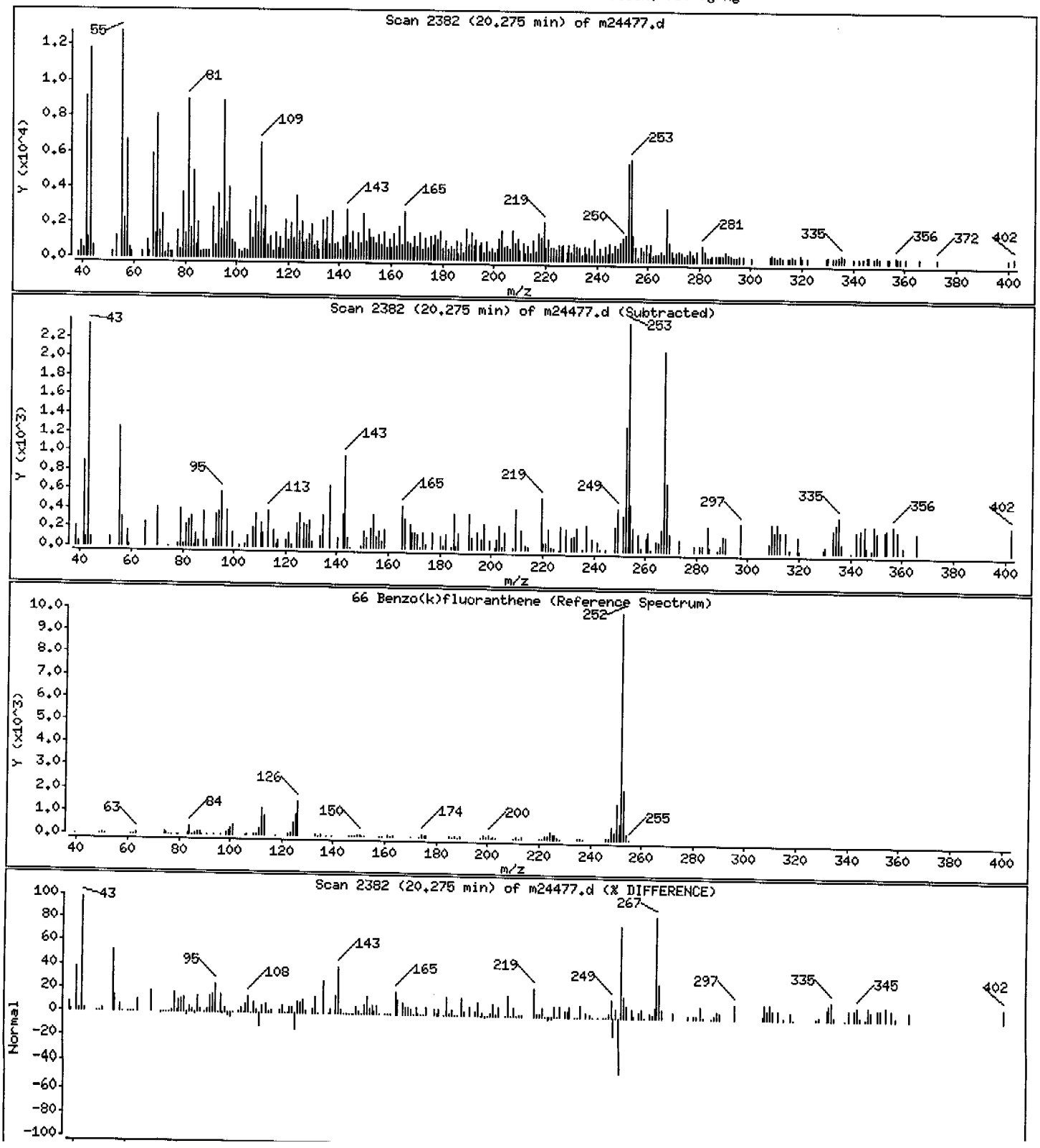
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

66 Benzo(k)fluoranthene

Concentration: 760 ug/Kg



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

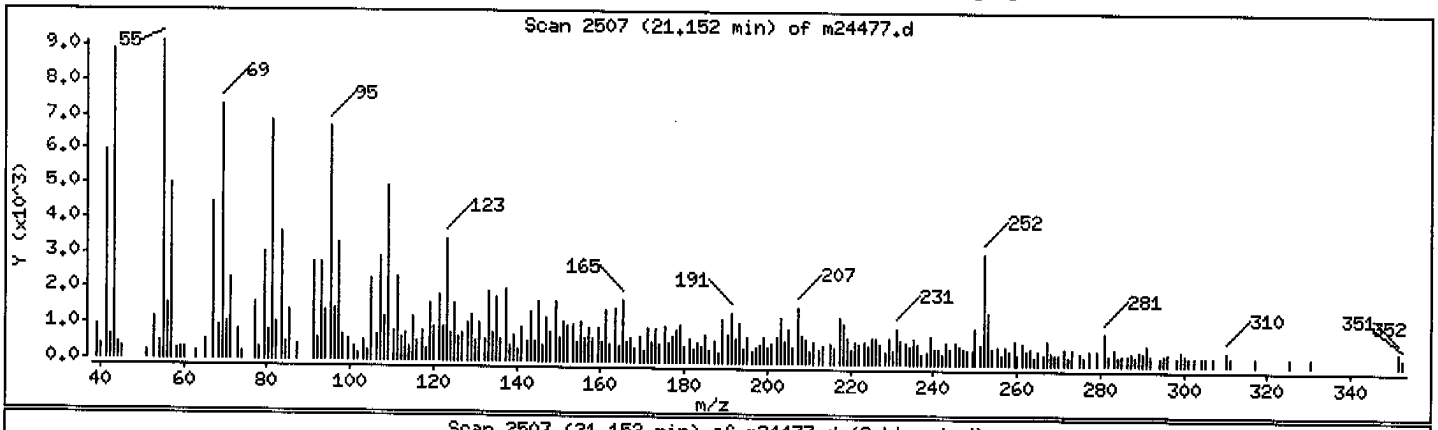
Operator: BNAMS 4

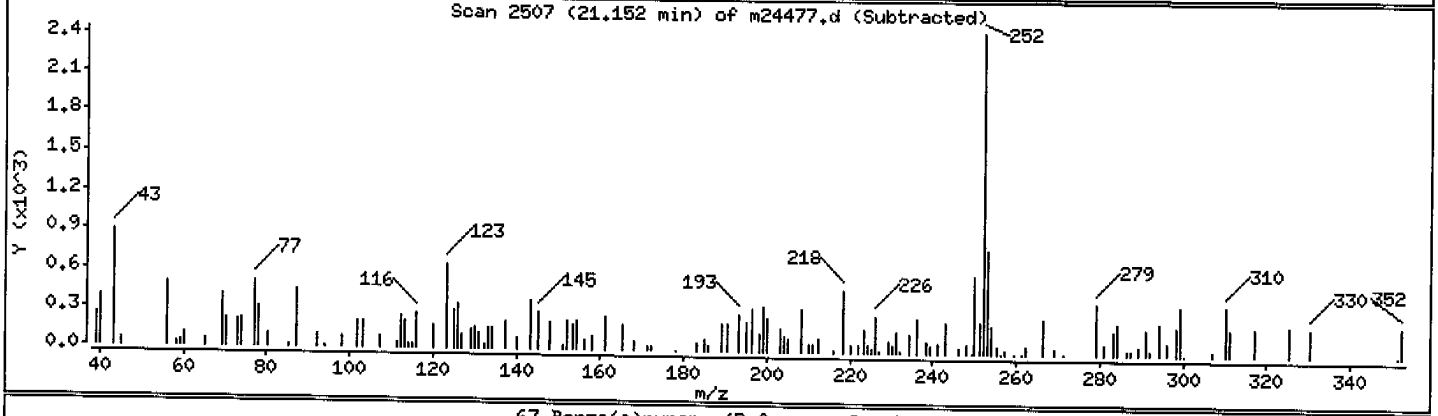
Column phase: DB-5

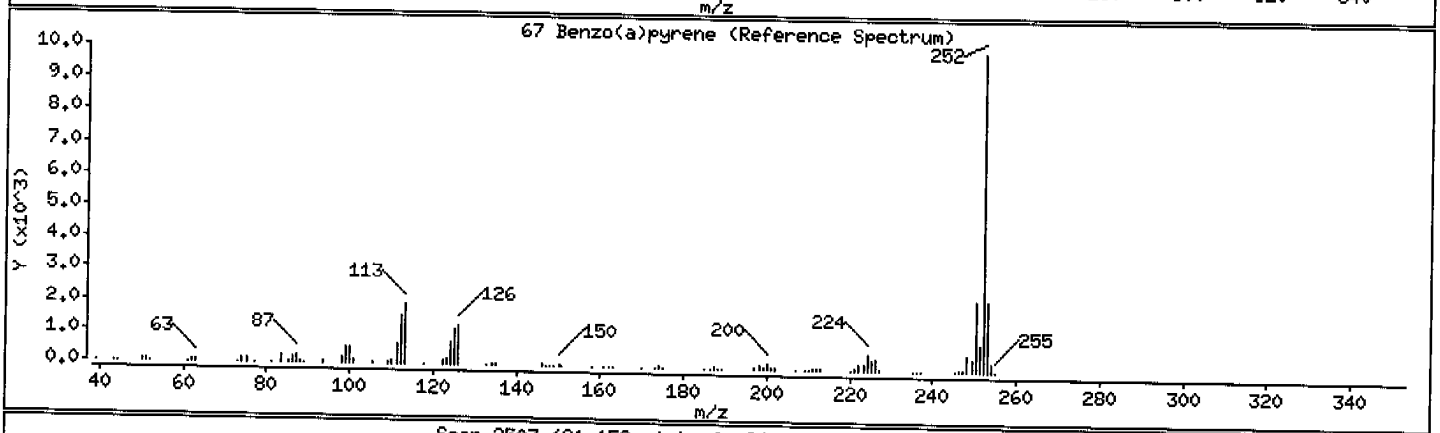
Column diameter: 0.25

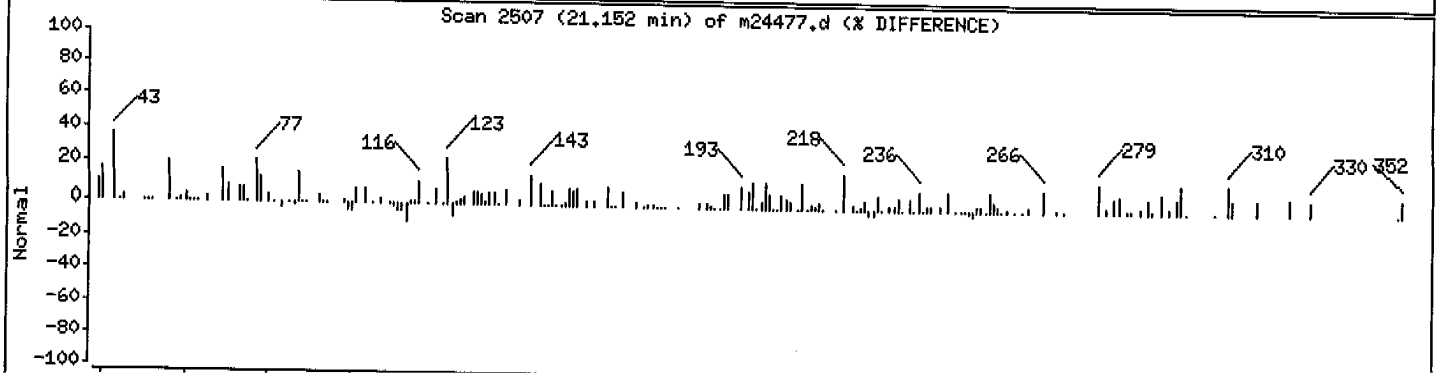
67 Benzo(a)pyrene

Concentration: 540 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

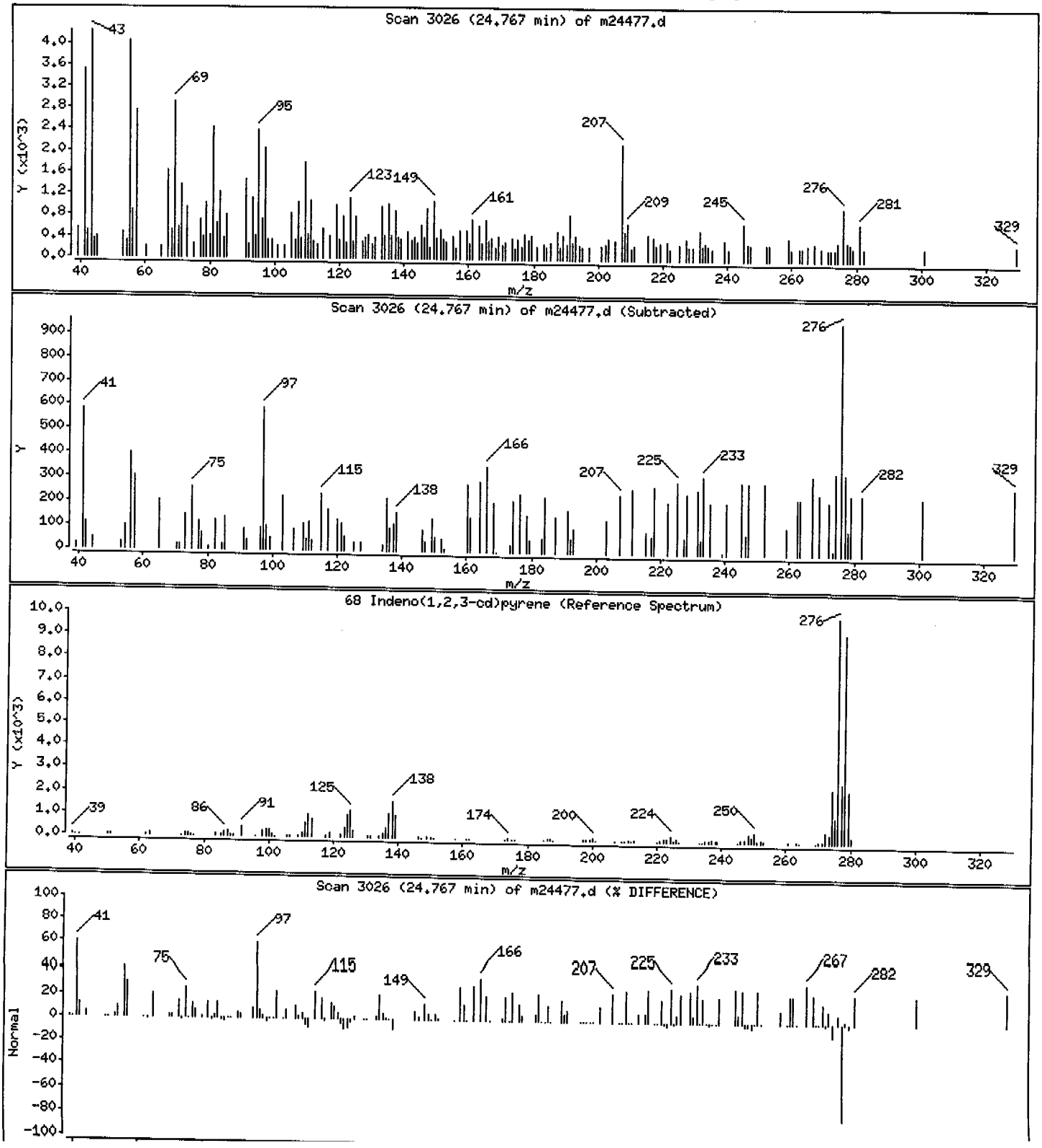
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

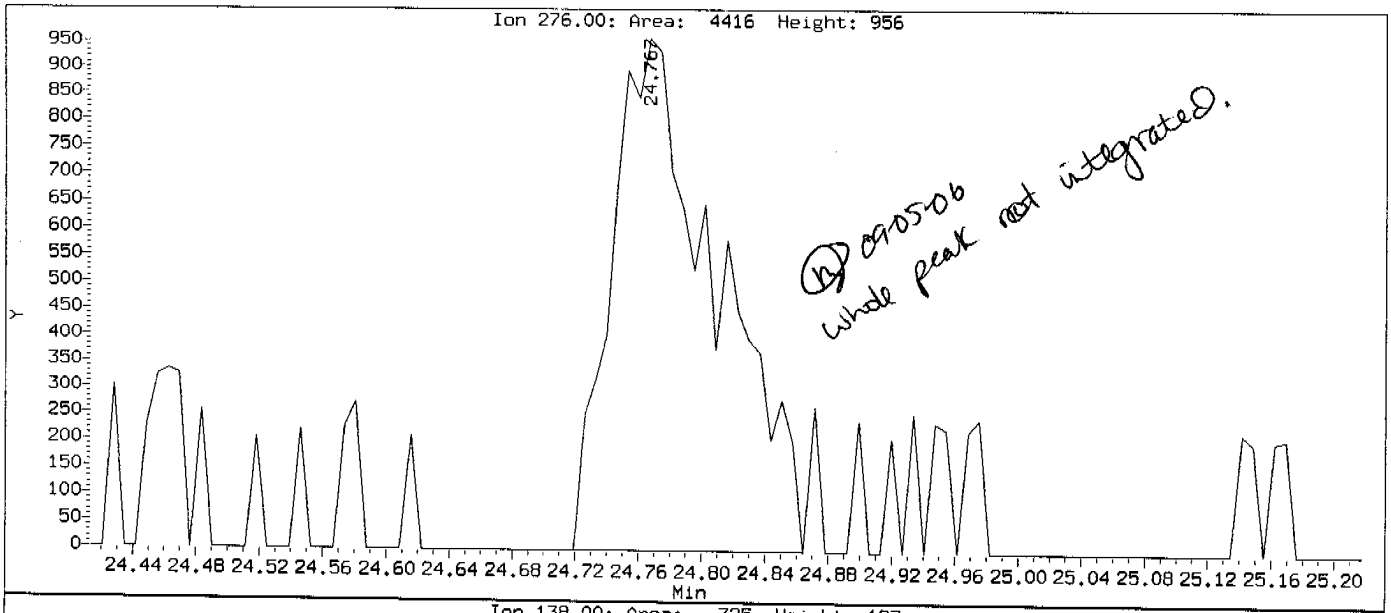
68 Indeno(1,2,3-cd)pyrene

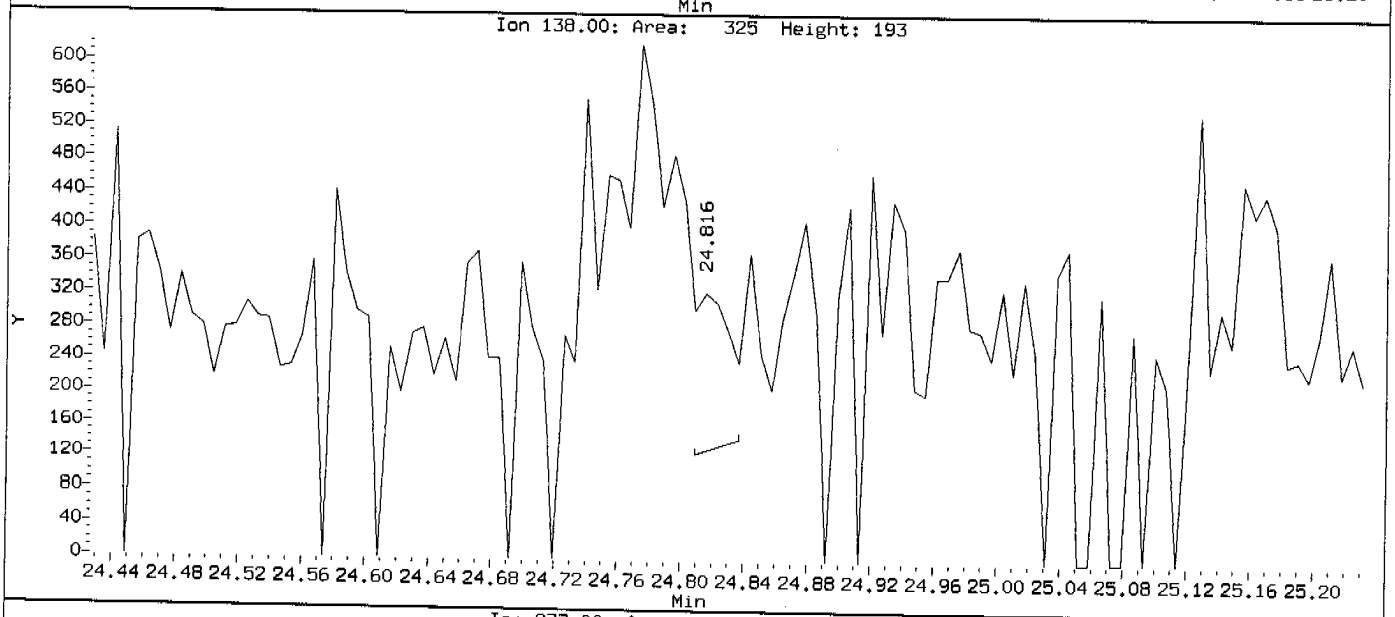
Concentration: 250 ug/Kg

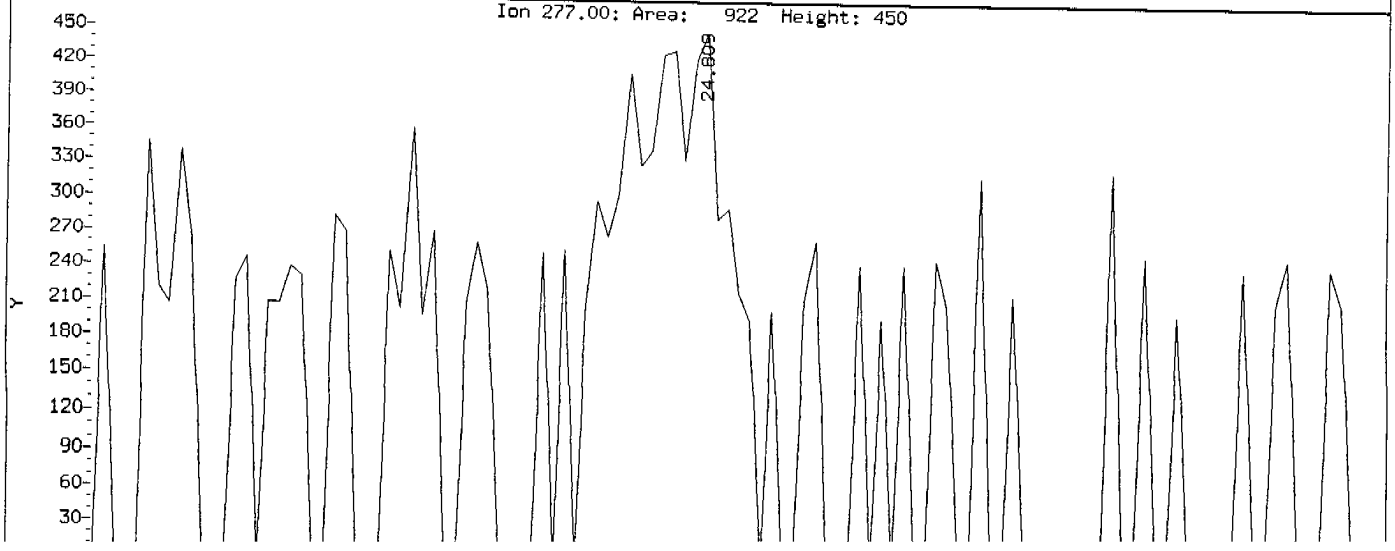


Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d
Injection Date: 02-SEP-2006 20:45
Instrument: BNAMS6.i
Client Sample ID: B1301-SS01

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5







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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

Sample Info: 765862;3208651

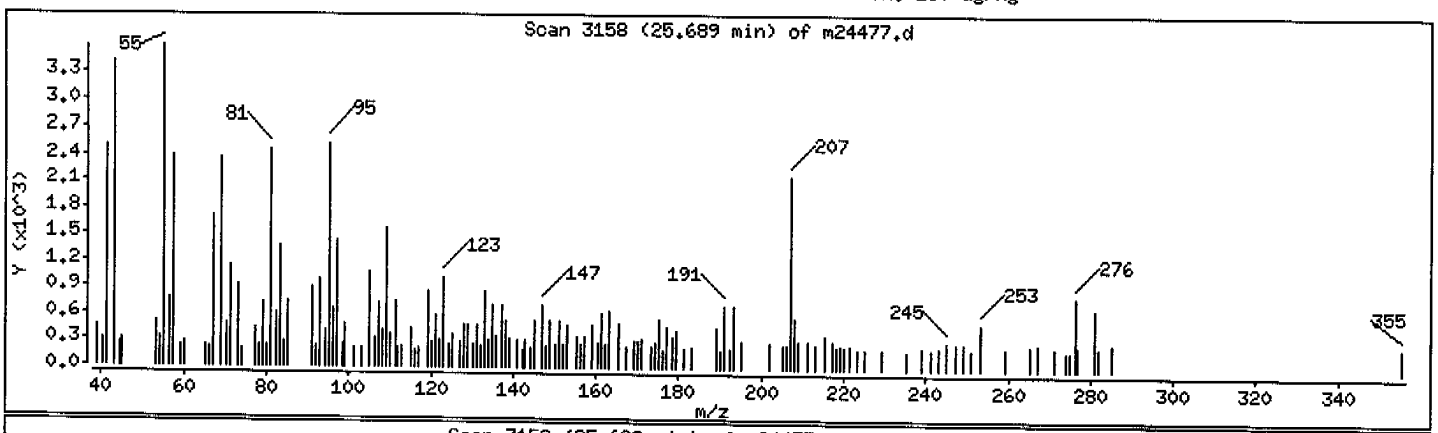
Operator: BNAMS 4

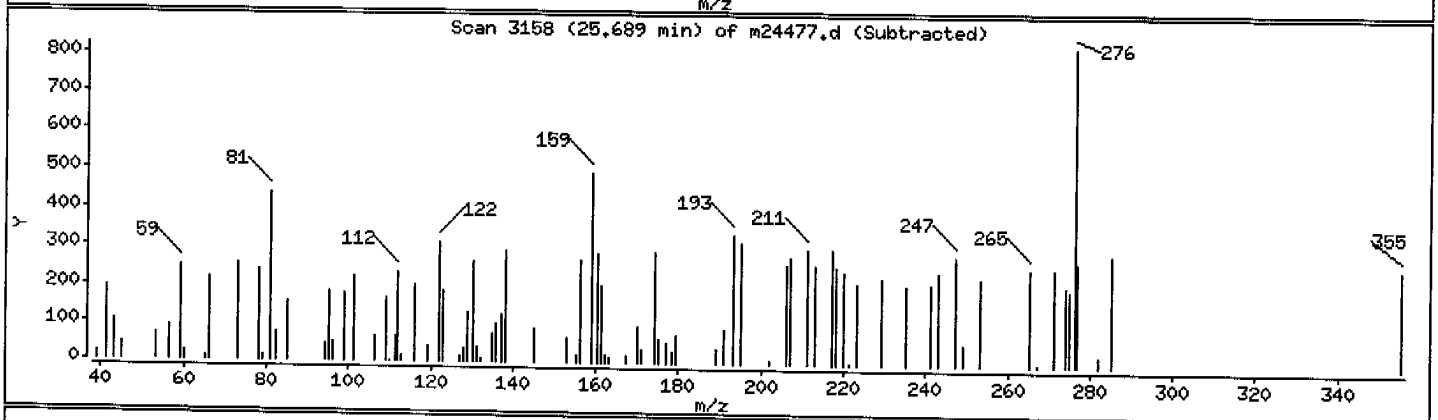
Column phase: DB-5

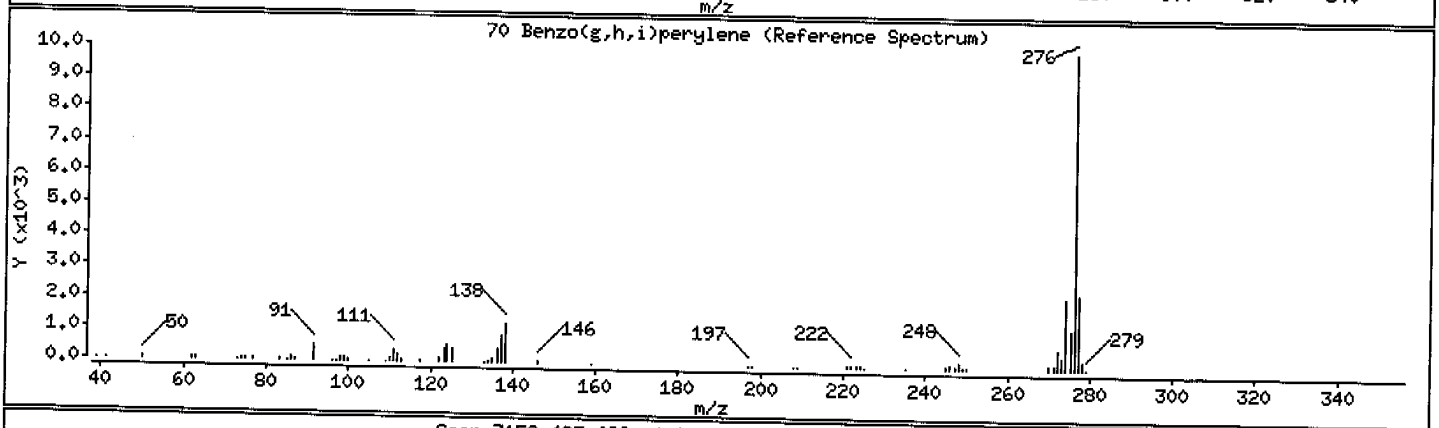
Column diameter: 0.25

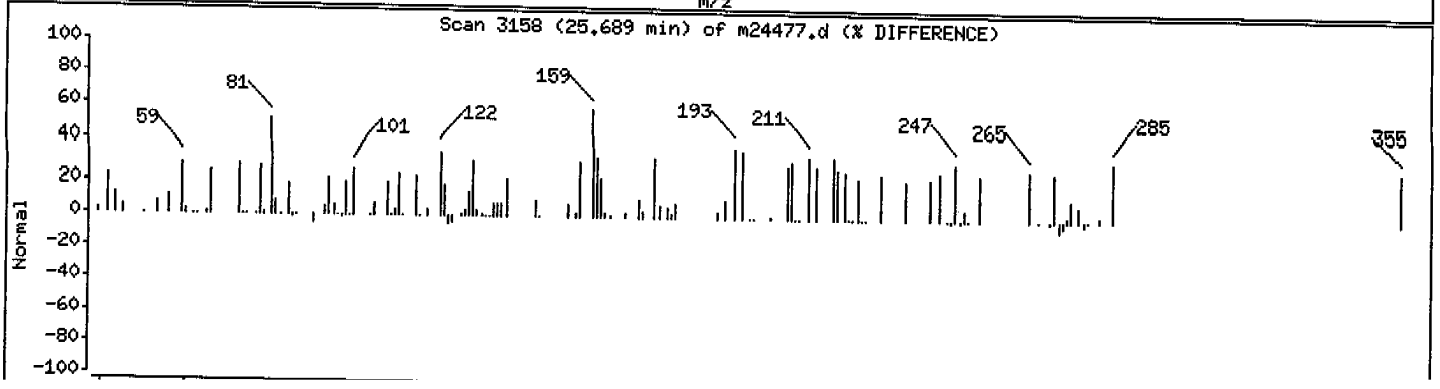
70 Benzo(g,h,i)perylene

Concentration: 260 ug/Kg



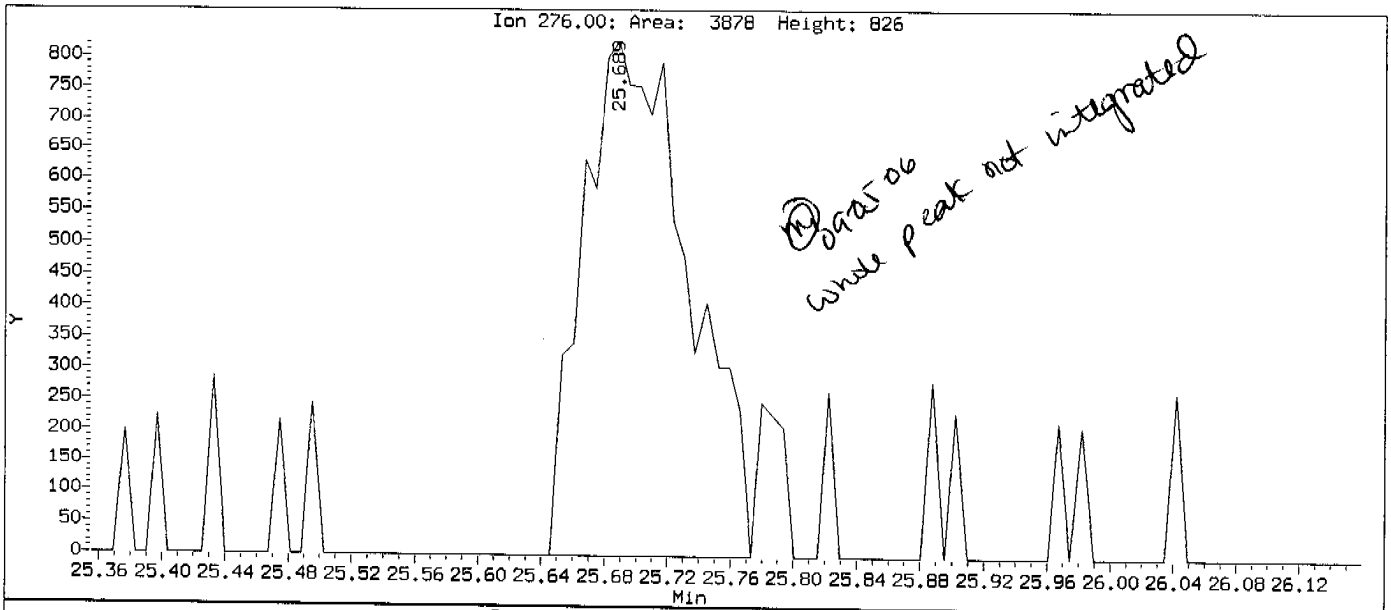




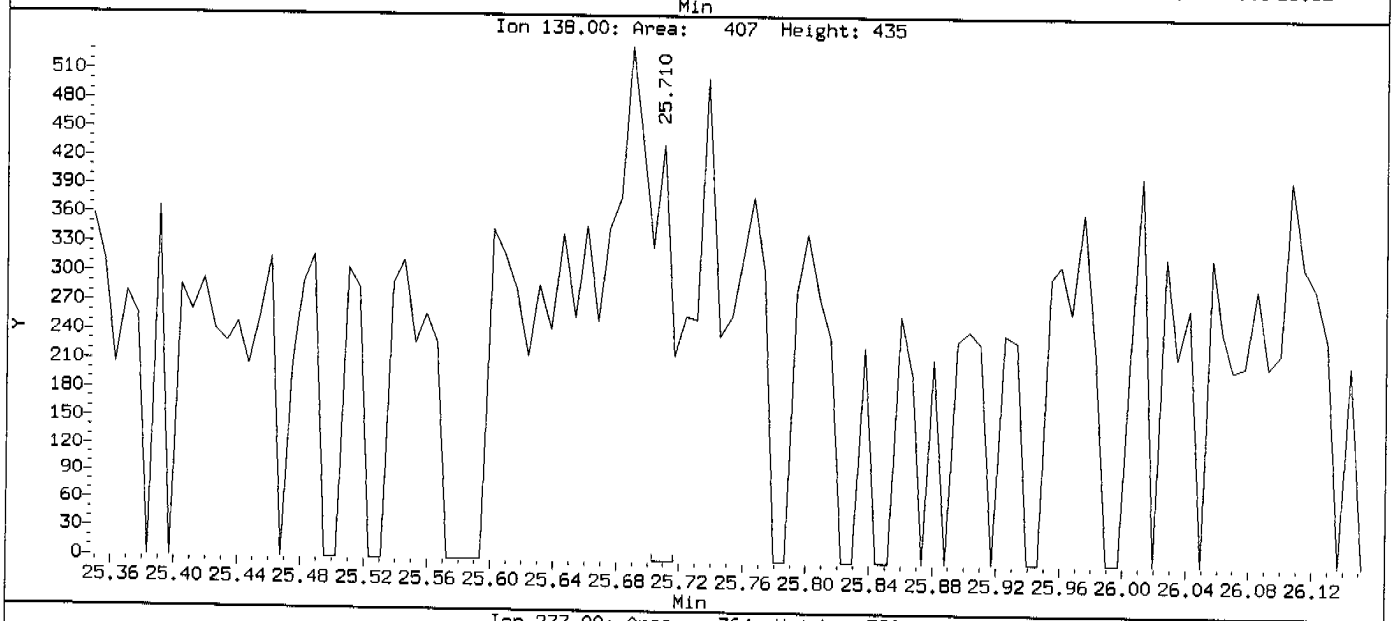


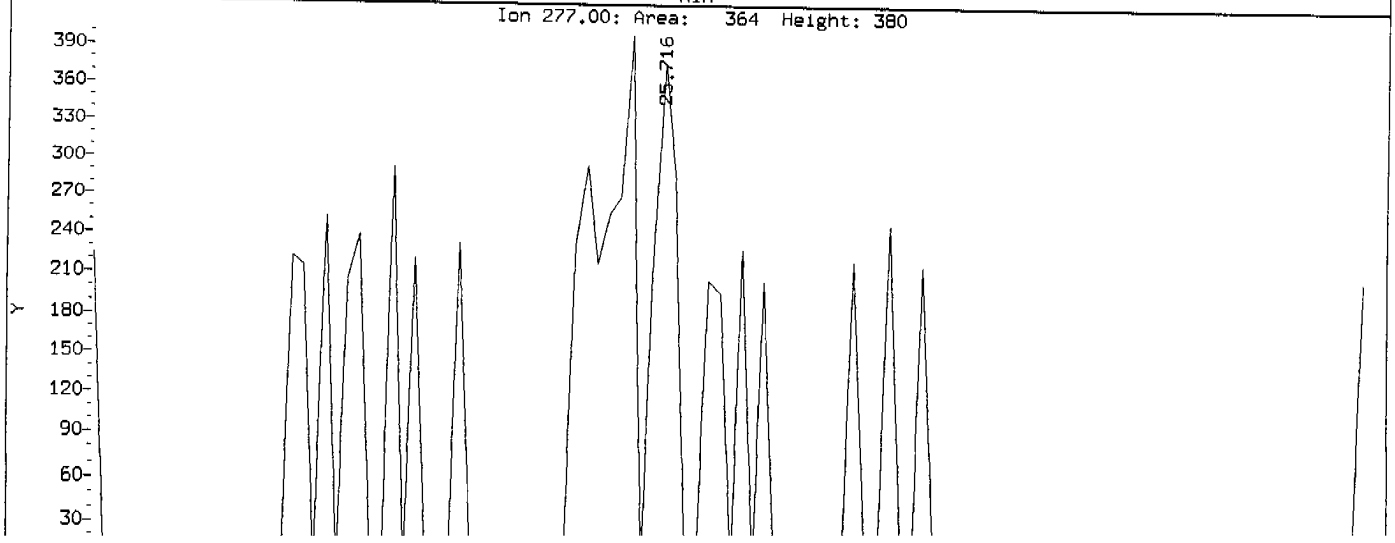
Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d
Injection Date: 02-SEP-2006 20:45
Instrument: BNAMS6.i
Client Sample ID: B1301-SS01

Compound: Benzo(g,h,i)perylene
CAS Number: 191-24-2



MS 9/27/06
whole peak not integrated





Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

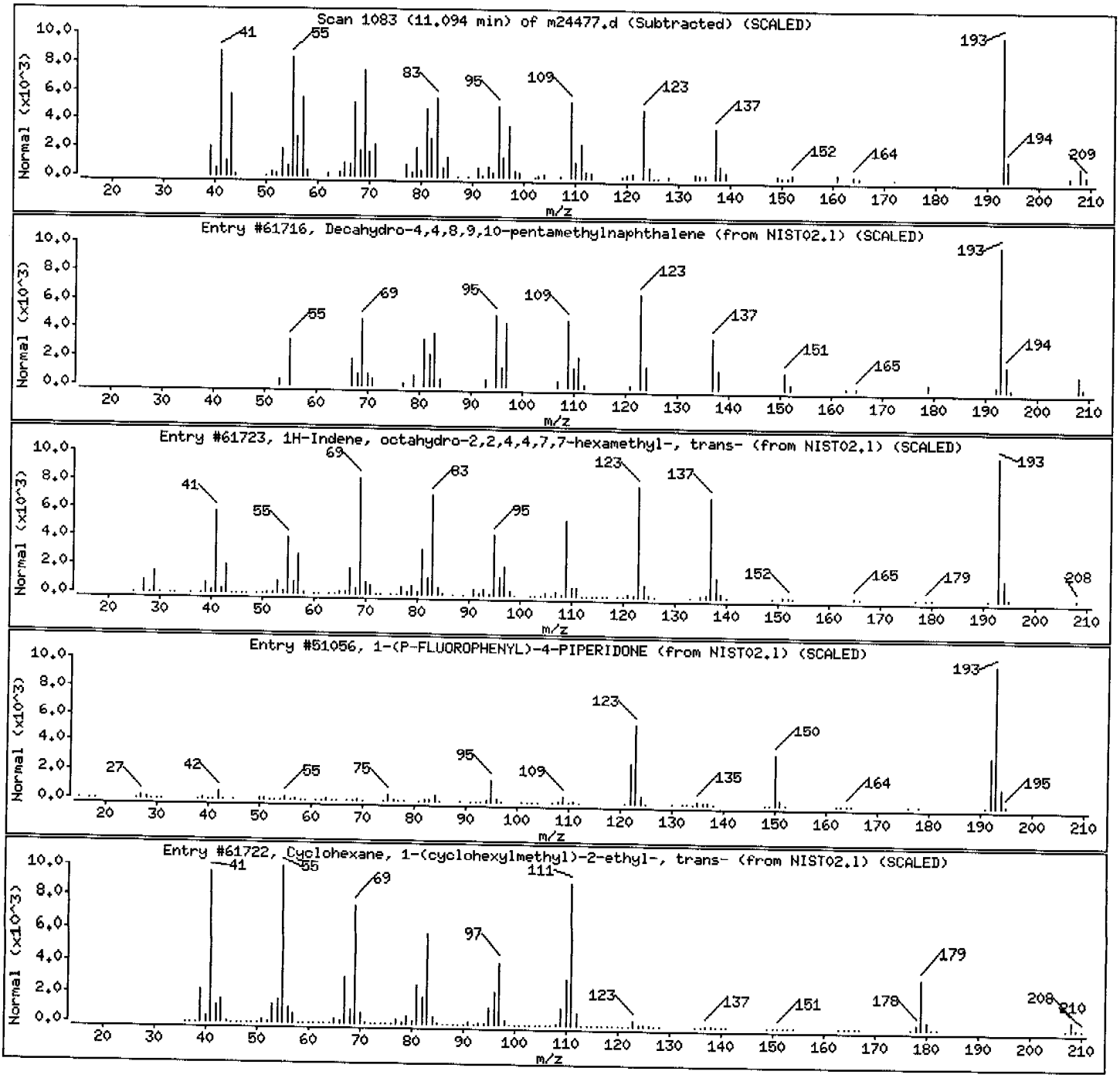
Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decahydro-4,4,8,9,10-pentamethylnaphthal	80655-44-3	NIST02.l	61716	83	C15H28	208
1H-Indene, octahydro-2,2,4,4,7,7-hexamet	54832-83-6	NIST02.l	61723	59	C15H28	208
1-(P-FLUOROPHENYL)-4-PIPERIDONE	1000238-56-7	NIST02.l	51056	27	C11H12FNO	193
Cyclohexane, 1-(cyclohexylmethyl)-2-ethy	54934-92-8	NIST02.l	61722	25	C15H28	208



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

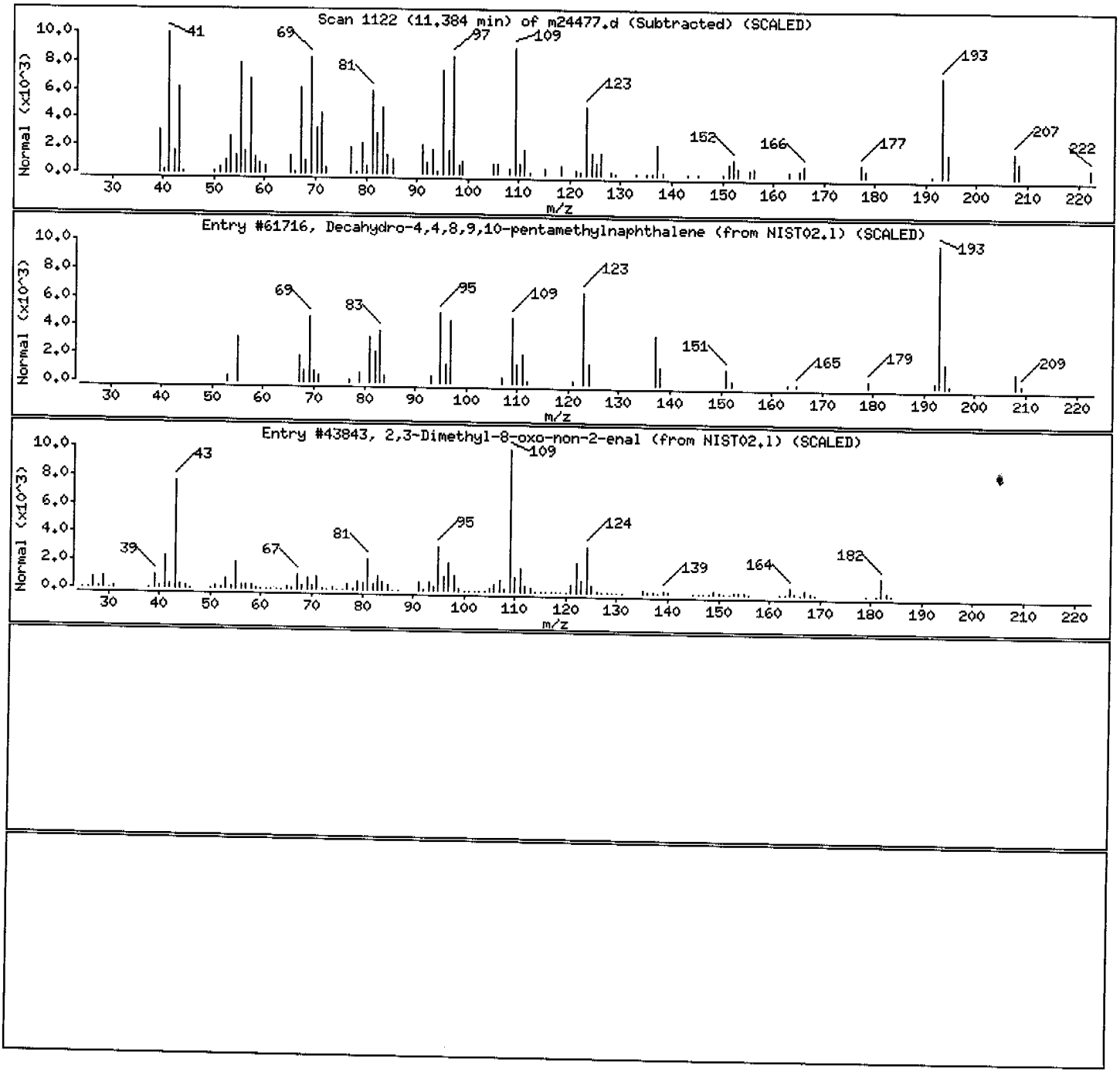
Client ID: B1301-SS01 Instrument: BNAMS6.i

Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decahydro-4,4,8,9,10-pentamethylnaphthal	80655-44-3	NIST02.l	61716	83	C15H28	208
2,3-Dimethyl-8-oxo-non-2-enal	1000186-82-6	NIST02.l	43843	22	C11H18O2	182



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

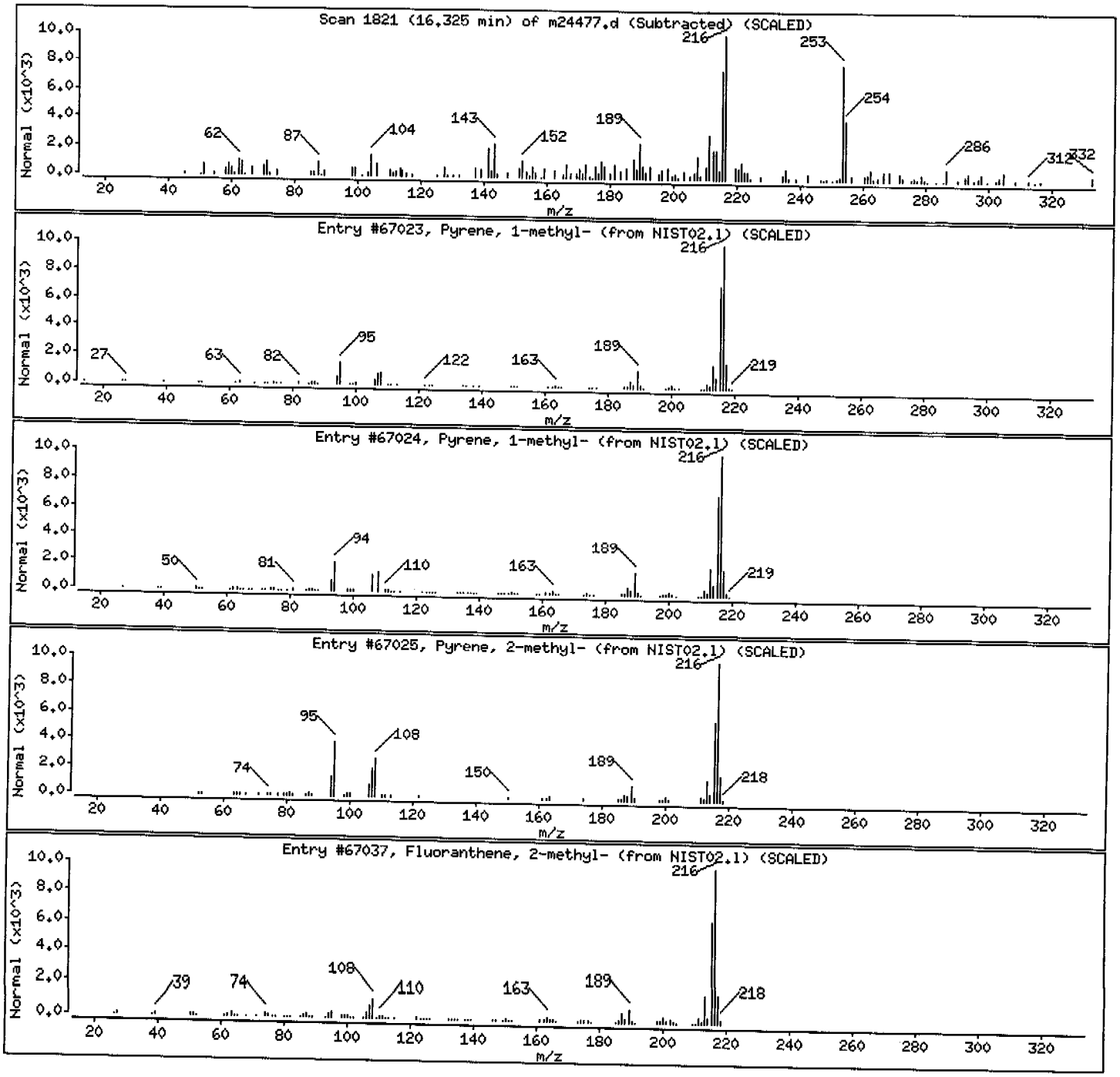
Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	43	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67024	41	C17H12	216
Pyrene, 2-methyl-	3442-78-2	NIST02.l	67025	38	C17H12	216
Fluoranthene, 2-methyl-	33543-31-6	NIST02.l	67037	38	C17H12	216



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Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

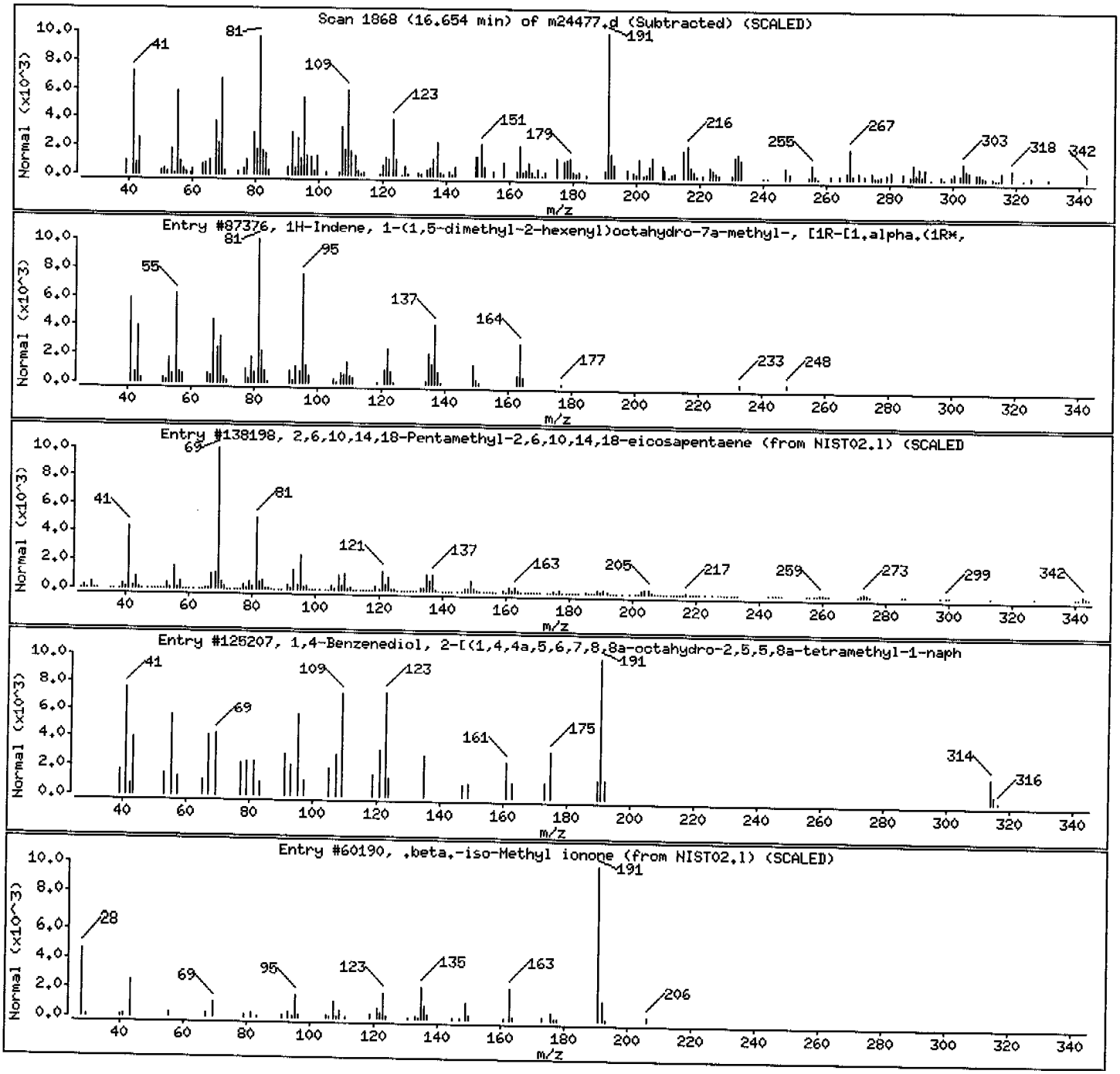
Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Indene, 1-(1,5-dimethyl-2-hexenyl)oct	54411-95-9	NIST02.l	87376	50	C18H32	248
2,6,10,14,18-Pentamethyl-2,6,10,14,18-ei	75581-03-2	NIST02.l	138198	38	C25H42	342
1,4-Benzenediol, 2-[(1,4,4a,5,6,7,8,8a-o	39707-55-6	NIST02.l	125207	38	C21H3002	314
.beta.-iso-Methyl ionone	1000285-40-2	NIST02.l	60190	35	C14H220	206



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

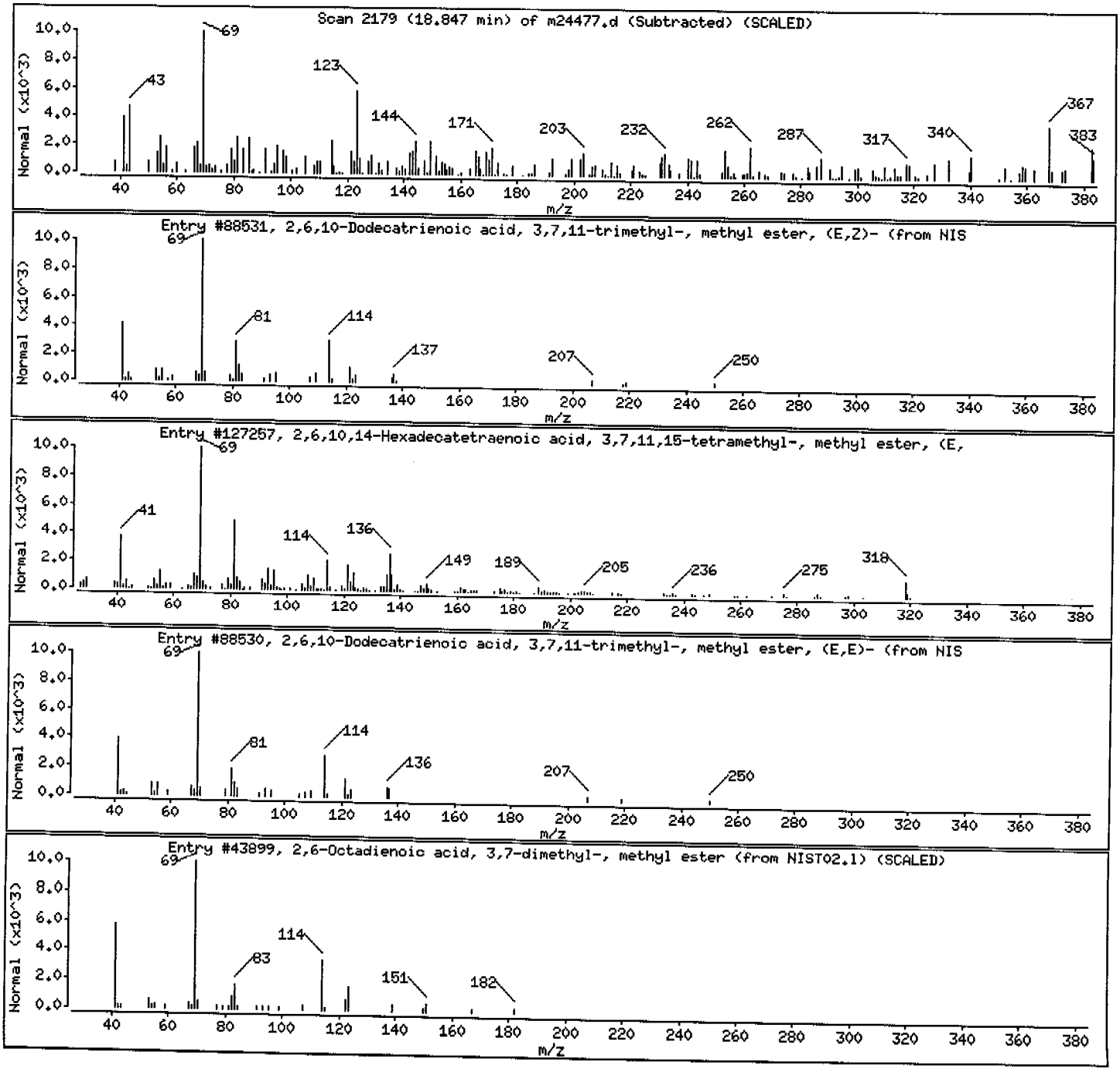
Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,6,10-Dodecatrienoic acid, 3,7,11-trime	4176-79-8	NIST02.l	88531	35	C16H2602	250
2,6,10,14-Hexadecatetraenoic acid, 3,7,1	42207-88-5	NIST02.l	127257	35	C21H3402	318
2,6,10-Dodecatrienoic acid, 3,7,11-trime	3675-00-1	NIST02.l	88530	25	C16H2602	250
2,6-Octadienoic acid, 3,7-dimethyl-, met	2349-14-6	NIST02.l	43899	25	C11H1802	182



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

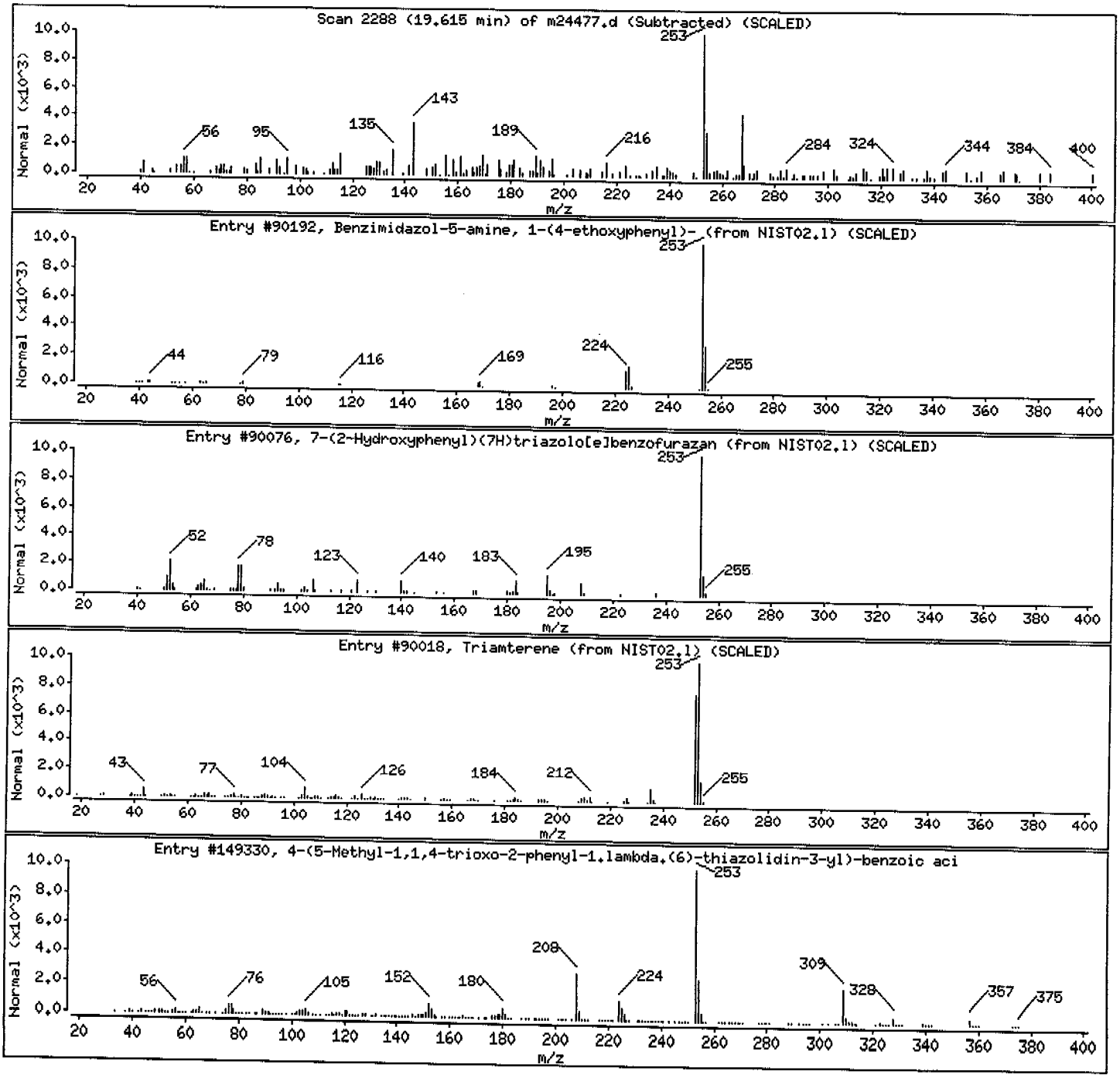
Client ID: B1301-SS01 Instrument: BNAMS6.i

Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzimidazol-5-amine, 1-(4-ethoxyphenyl)	7104-62-3	NIST02.l	90192	38	C15H15N3O	253
7-(2-Hydroxyphenyl)(7H)triazolo[e]benzof	166766-15-0	NIST02.l	90076	35	C12H7N5O2	253
Triamterene	396-01-0	NIST02.l	90018	35	C12H11N7	253
4-(5-Methyl-1,1,4-trioxo-2-phenyl-1.lamb	1000294-64-6	NIST02.l	149330	32	C19H19NO5S	373



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

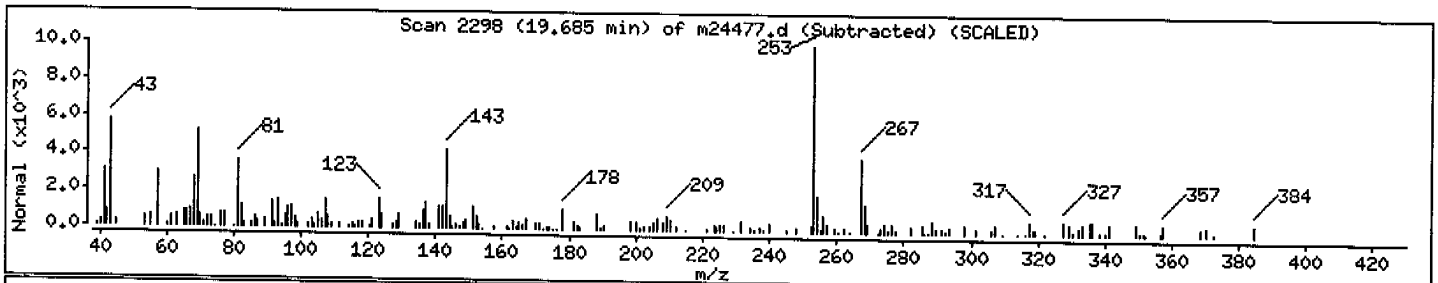
Sample Info: 765862;3208651

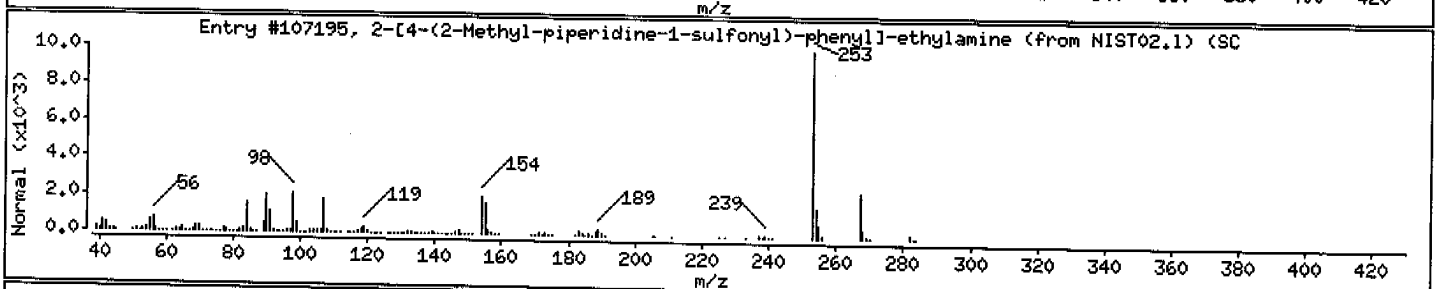
Operator: BNAMS 4

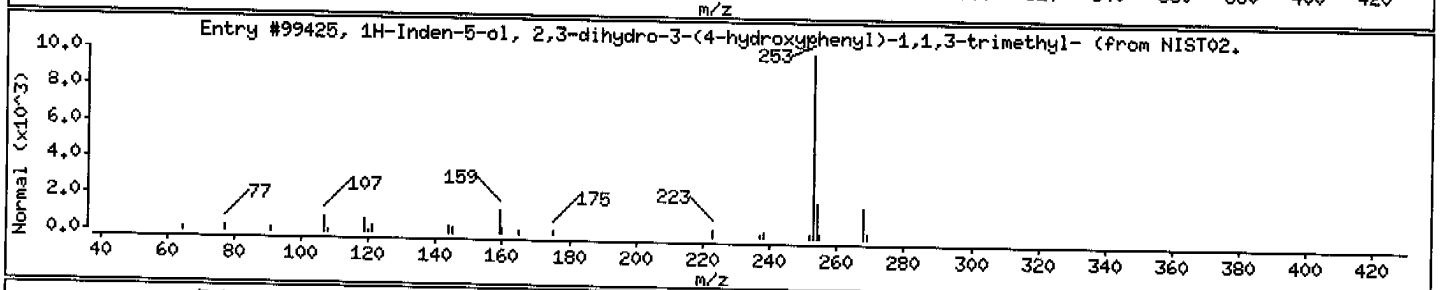
Column phase: DB-5

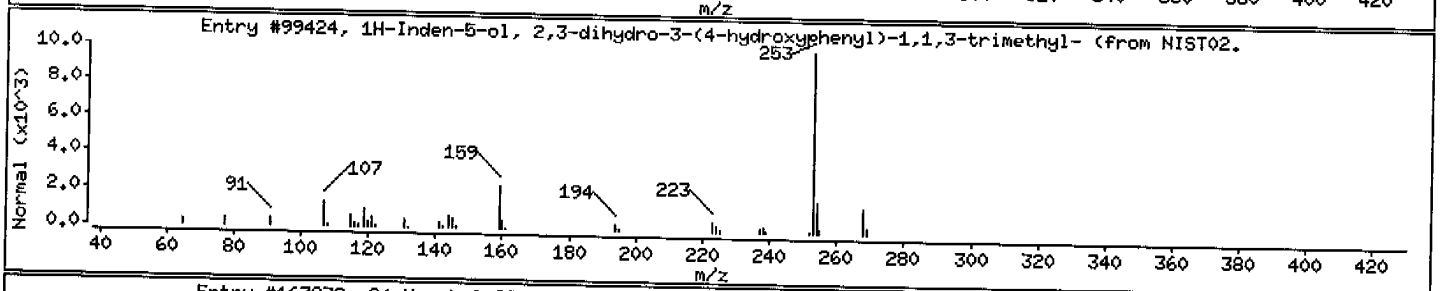
Column diameter: 0.25

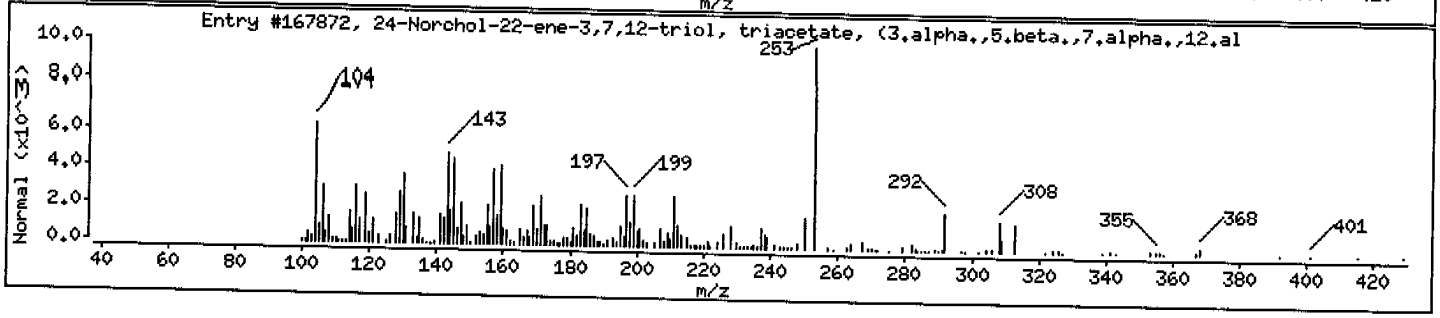
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-[4-(2-Methyl-piperidine-1-sulfonyl)-ph	1000295-08-5	NIST02.l	107195	50	C14H22N2O2S	282
1H-Inden-5-ol, 2,3-dihydro-3-(4-hydroxyp	10527-11-4	NIST02.l	99425	50	C18H20O2	268
1H-Inden-5-ol, 2,3-dihydro-3-(4-hydroxyp	10527-11-4	NIST02.l	99424	43	C18H20O2	268
24-Norchol-22-ene-3,7,12-triol, triaceta	60354-49-6	NIST02.l	167872	43	C29H44O6	488











Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

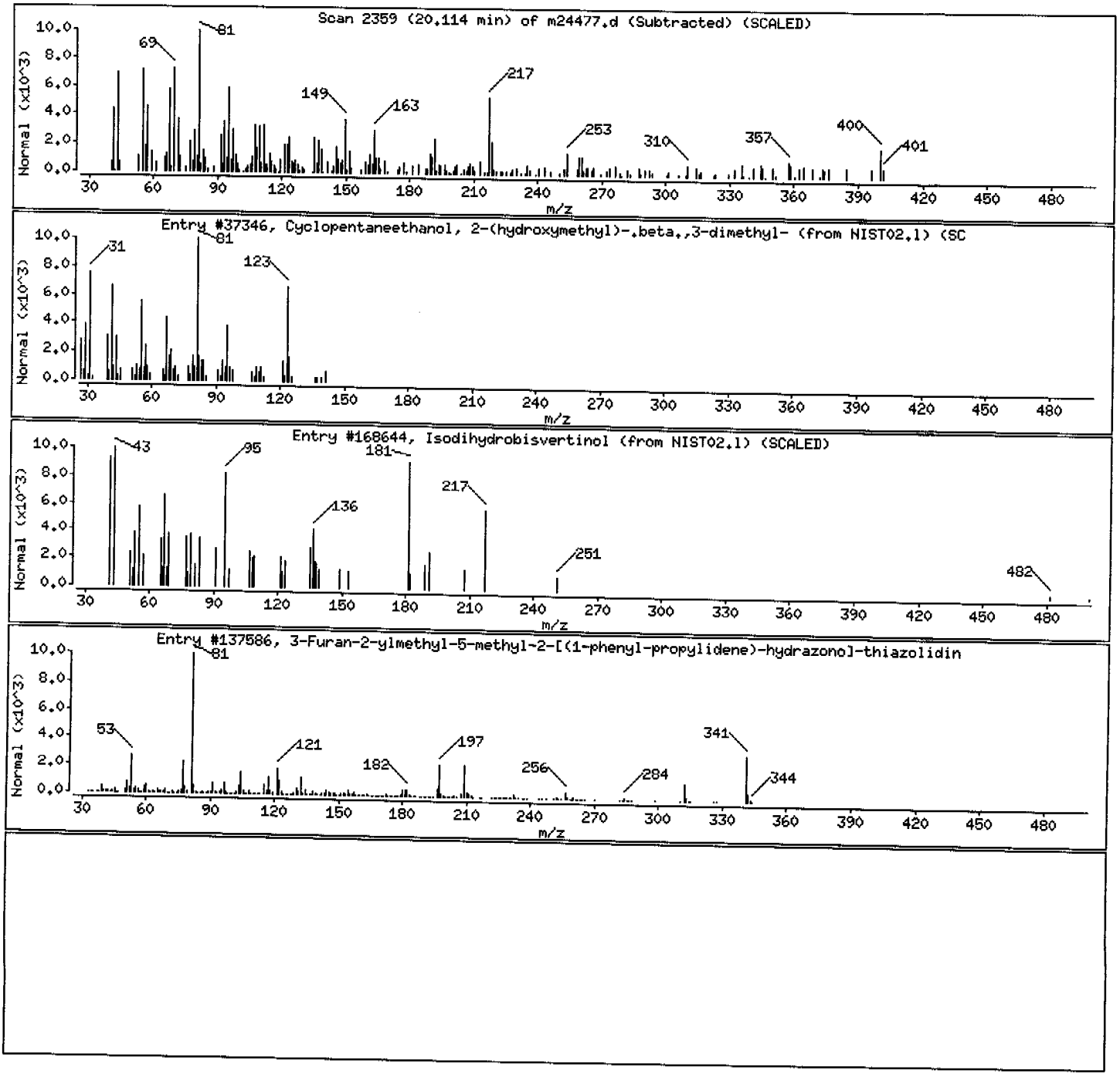
Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclopentaneethanol, 2-(hydroxymethyl)-,	485-42-7	NIST02.l	37346	27	C10H2002	172
Isodihydrobisvertinol	1000143-59-2	NIST02.l	168644	22	C28H3608	500
3-Furan-2-ylmethyl-5-methyl-2-[(1-phenyl	1000275-52-0	NIST02.l	137586	22	C18H19N3O2S	341



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

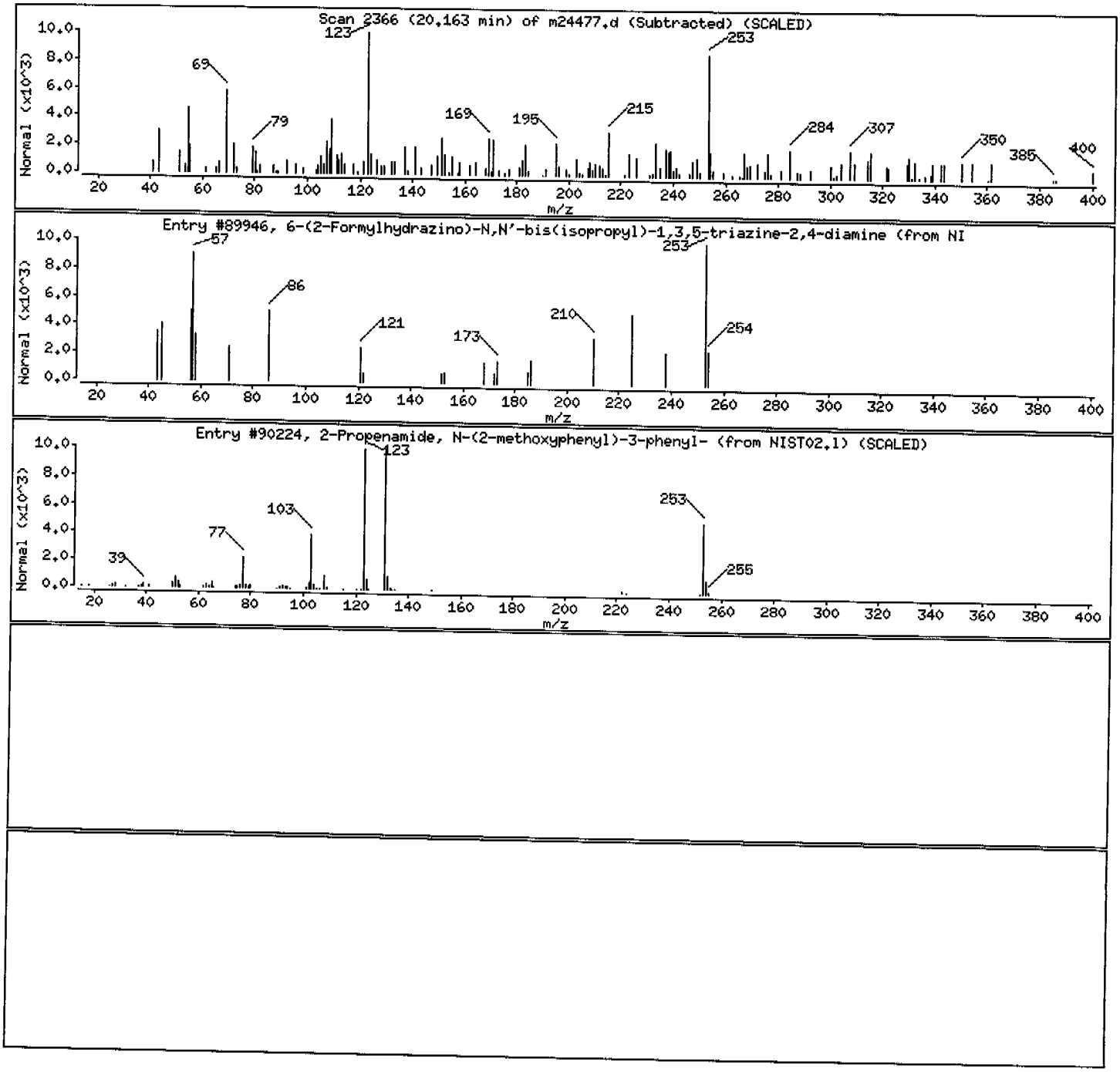
Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
6-(2-Formylhydrazino)-N,N'-bis(isopropyl	84305-82-8	NIST02.l	89946	25	C10H19N7O	253
2-Propenamide, N-(2-methoxyphenyl)-3-phe	6889-84-5	NIST02.l	90224	22	C16H15NO2	253



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

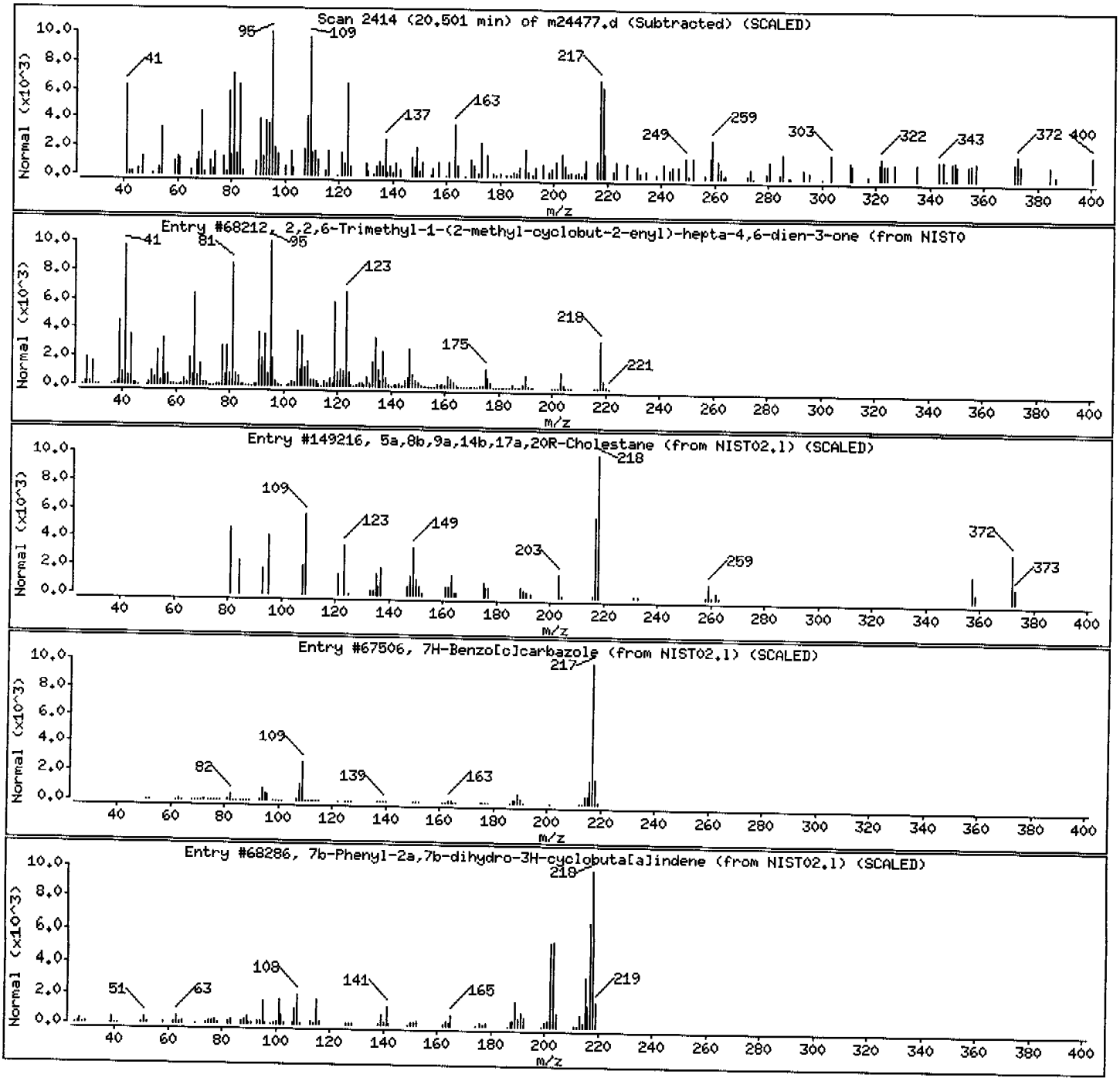
Sample Info: 765862;3208651

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,2,6-Trimethyl-1-(2-methyl-cyclobut-2-e	1000188-72-8	NIST02.l	68212	45	C15H220	218
5a,8b,9a,14b,17a,20R-Cholestane	1000147-83-1	NIST02.l	149216	38	C27H48	372
7H-Benzo[c]carbazole	205-25-4	NIST02.l	67506	35	C16H11N	217
7b-Phenyl-2a,7b-dihydro-3H-cyclobuta[a]i	138089-70-0	NIST02.l	68286	35	C17H14	218



Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24477.d

Date : 02-SEP-2006 20:45

Client ID: B1301-SS01

Instrument: BNAMS6.i

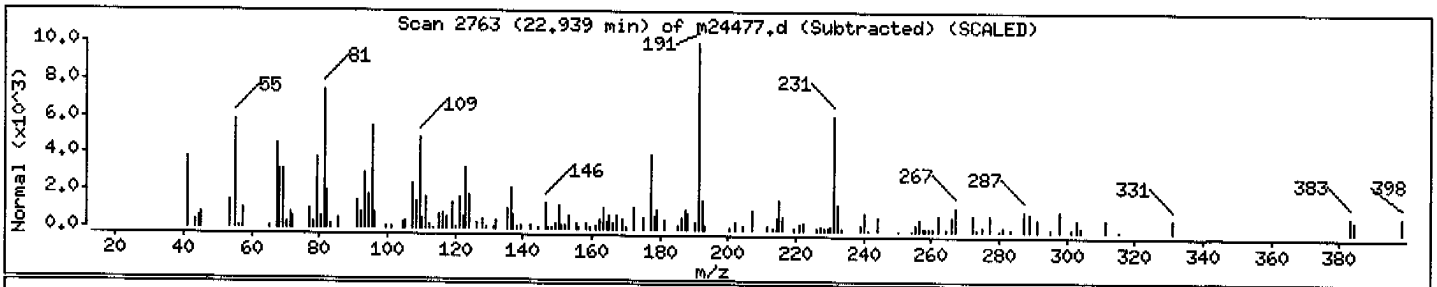
Sample Info: 765862;3208651

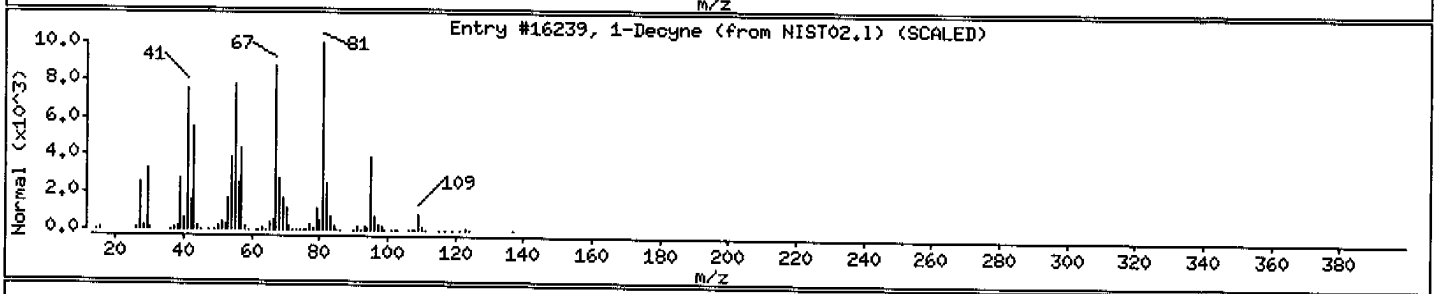
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Decyne	764-93-2	NIST02.l	16239	22	C10H18	138





Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24457.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24457.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B1301-SS02**
Site: Sun Chemical SI

Lab Sample No: **765863**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24457.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24457.d
Report Date: 02-Sep-2006 15:56

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

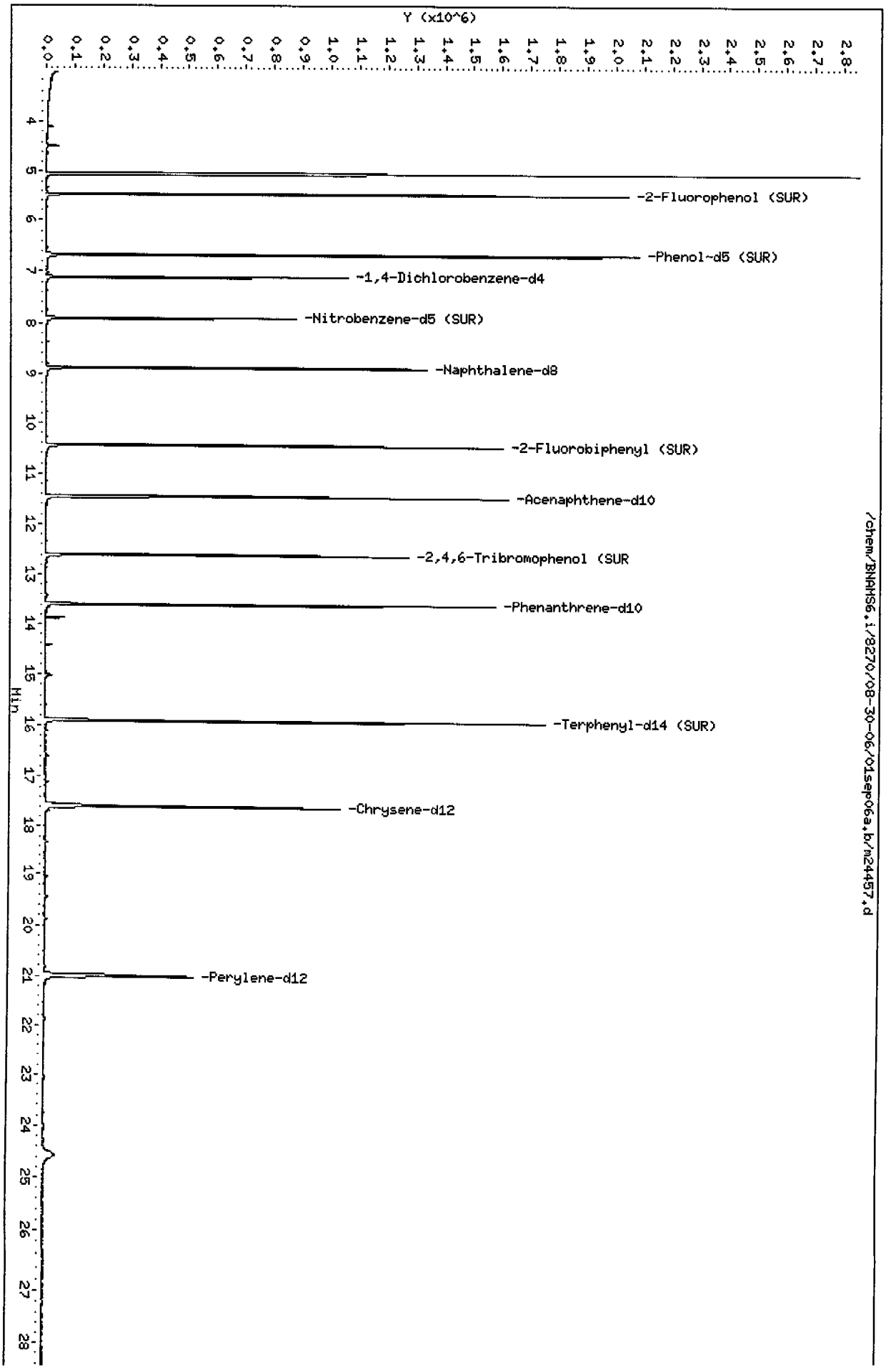
Data file : /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24457.d
Lab Smp Id: 765863 Client Smp ID: B1301-SS02
Inj Date : 02-SEP-2006 01:44
Operator : BNAMS 4 Inst ID: BNAMS6.i
Smp Info : 765863;3208668
Misc Info : W421;SB242A;QA4556
Comment :
Method : /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/8270C6-1.m
Meth Date : 01-Sep-2006 23:12 asfawa Quant Type: ISTD
Cal Date : 30-AUG-2006 11:35 Cal File: m24372.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBNb+ae.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.30000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.479	5.471	(0.771)	622685	88.1415	6800
$ 17 Phenol-d5 (SUR)	99	6.663	6.668	(0.937)	862388	91.4740	7000
* 79 1,4-Dichlorobenzene-d4	152	7.110	7.111	(1.000)	196940	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.903	7.917	(0.889)	371976	38.9805	3000
* 80 Naphthalene-d8	136	8.892	8.892	(1.000)	772011	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.440	10.450	(0.912)	610750	38.2230	2900
* 82 Acenaphthene-d10	164	11.448	11.449	(1.000)	533670	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.611	12.612	(1.102)	154790	68.4732	5300
* 83 Phenanthrene-d10	188	13.590	13.597	(1.000)	706918	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.897	15.898	(0.904)	718659	47.1976	3600
* 81 Chrysene-d12	240	17.589	17.606	(1.000)	668988	40.0000	
* 84 Perylene-d12	264	21.001	21.022	(1.000)	552516	40.0000	


Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24457.d
Date : 02-SEP-2006 01:44
Client ID: B1301-SS02
Sample Info: 765863;3208668
Column phase: DB-5
Instrument: BNAMS6.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24457.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/05/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24497.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	25 J	38
Naphthalene	42 J	380
4-Chloroaniline	7.9J	380
Hexachlorobutadiene	ND	76
2-Methylnaphthalene	26 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	760
Dimethylphthalate	98 J	380
Acenaphthylene	21 J	380
2,6-Dinitrotoluene	ND	76
3-Nitroaniline	ND	760
Acenaphthene	24 J	380
Dibenzofuran	15 J	380
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	29 J	380
4-Nitroaniline	48 J	760
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	180 J	380
Anthracene	36 J	380

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/05/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24497.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	24 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	290 J	380
Pyrene	270 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	54 J	760
Benzo(a)anthracene	150	38
Chrysene	180 J	380
bis(2-Ethylhexyl)phthalate	180 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	170	38
Benzo(k)fluoranthene	180	38
Benzo(a)pyrene	160	38
Indeno(1,2,3-cd)pyrene	51	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	48 J	380

Client ID: **MW4-SS01**
Site: Sun Chemical SI

Lab Sample No: **765876**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/05/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24497.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Trichloro-1,1-biphenyl isomer	14.05	940	
2.	Tetrachloro-1,1-biphenyl isomer	14.45	1500	
3.	Tetrachloro-1,1-biphenyl isomer	14.51	940	
4.	Tetrachloro-1,1-biphenyl isomer	14.56	750	
5.	Tetrachloro-1,1-biphenyl isomer	14.72	1300	
6.	Trichloro-1,1-biphenyl isomer	14.78	760	
7.	Tetrachloro-1,1-biphenyl isomer	14.88	1300	
8.	Tetrachloro-1,1-biphenyl isomer	15.14	820	
9.	Tetrachloro-1,1-biphenyl isomer	15.17	1100	
10.	Tetrachloro-1,1-biphenyl isomer	15.23	1700	
11.	Tetrachloro-1,1-biphenyl isomer	15.44	1200	
12.	Pentachloro-1,1'-biphenyl isomer	15.48	820	
13.	Pentachloro-1,1'-biphenyl isomer	15.92	720	
14.	Unknown Alkane	19.79	1300	
15.	Unknown Alkane	21.76	1200	
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TOTAL ESTIMATED CONCENTRATION 16350

Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d
Report Date: 06-Sep-2006 12:50

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d
Lab Smp Id: 765876 Client Smp ID: MW4-SS01
Inj Date : 05-SEP-2006 18:38
Operator : BNAMS 4 Inst ID: BNAMS6.i
Smp Info : 765876;3208865
Misc Info : W421;SB242A;QA4556
Comment :
Method : /chem/BNAMS6.i/8270/08-30-06/05sep06.b/8270C6-1.m
Meth Date : 05-Sep-2006 10:31 monica Quant Type: ISTD
Cal Date : 30-AUG-2006 11:35 Cal File: m24372.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	12.10000	% Moisture

Cpnd Variable Local Compound Variable

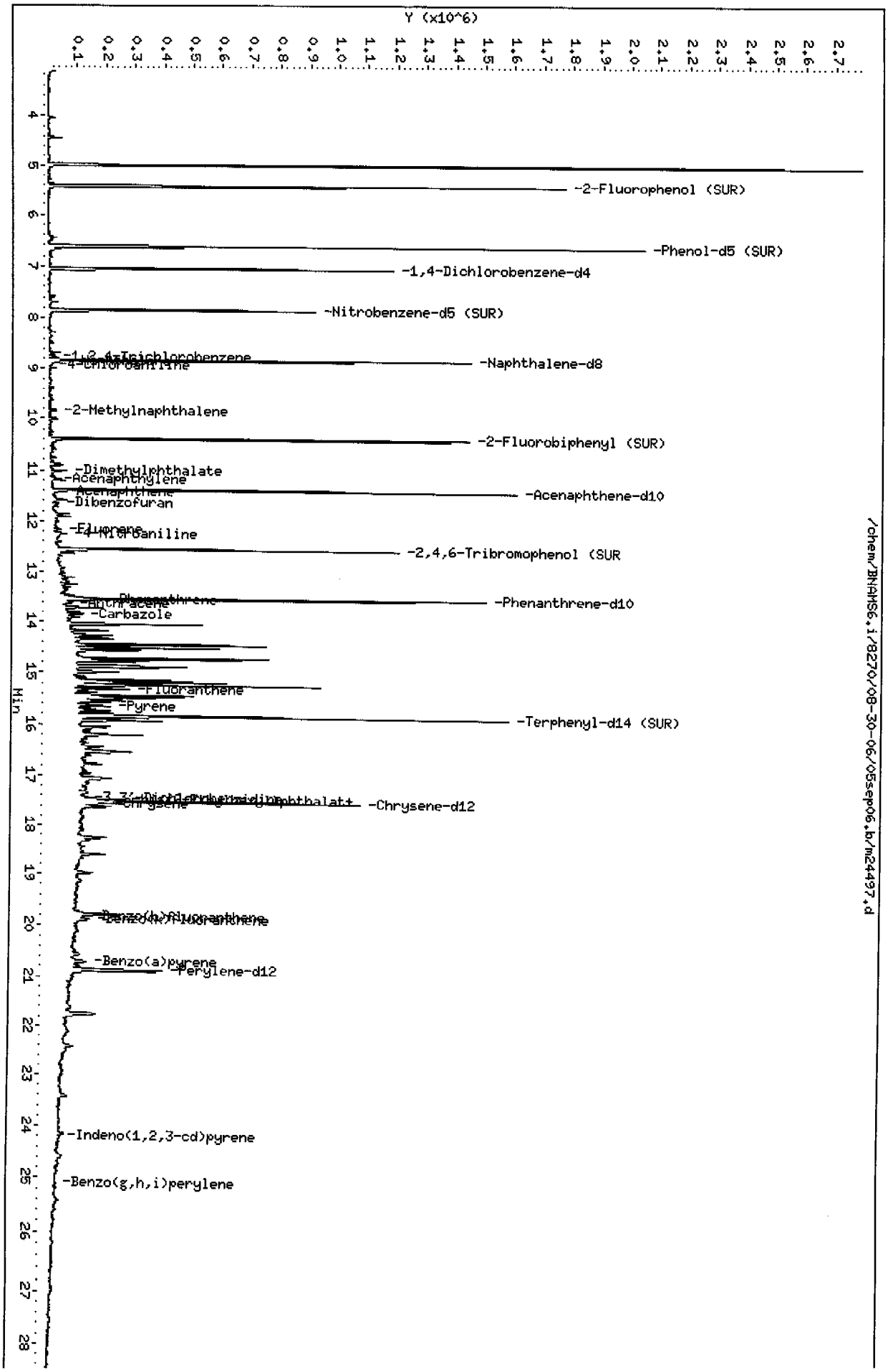
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.427	5.417	(0.770)	559174	76.0951	5800
$ 17 Phenol-d5 (SUR)	99	6.618	6.614	(0.939)	721890	73.6146	5600
* 79 1,4-Dichlorobenzene-d4	152	7.051	7.048	(1.000)	204850	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.852	7.856	(0.889)	357892	36.6641	2800
30 1,2,4-Trichlorobenzene	180	8.771	8.771	(0.993)	1770	0.32555	25(a)
* 80 Naphthalene-d8	136	8.837	8.836	(1.000)	789708	40.0000	
31 Naphthalene	128	8.859	8.866	(1.003)	10459	0.55184	42(a)
32 4-Chloroaniline	127	8.932	8.962	(1.011)	812	0.10401	7.9(a)
34 2-Methylnaphthalene	142	9.840	9.838	(1.113)	4900	0.35067	26(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.386	10.387	(0.912)	543384	36.4946	2800
38 Dimethylphthalate	163	11.018	11.024	(0.967)	23841	1.29233	98(a)
39 Acenaphthylene	152	11.165	11.171	(0.980)	5962	0.27844	21(a)
* 82 Acenaphthene-d10	164	11.393	11.388	(1.000)	497293	40.0000	

Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d
Report Date: 06-Sep-2006 12:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	42 Acenaphthene	154	11.436	11.433	(1.004)	4096	0.31568	24(a)
	43 Dibenzofuran	168	11.663	11.659	(1.024)	3876	0.19757	15(a)
	47 Fluorene	166	12.159	12.164	(1.067)	6014	0.38181	29(a)
	48 4-Nitroaniline	138	12.256	12.276	(1.076)	2609	0.63236	48(a)
$	18 2,4,6-Tribromophenol (SUR)	330	12.552	12.551	(1.102)	126825	60.2064	4600
*	83 Phenanthrene-d10	188	13.533	13.526	(1.000)	594190	40.0000	
	52 Phenanthrene	178	13.563	13.569	(1.002)	42122	2.33416	180(a)
	53 Anthracene	178	13.629	13.629	(1.007)	8482	0.48040	36(a)
	54 Carbazole	167	13.865	13.872	(1.024)	6394	0.31597	24(a)
	56 Fluoranthene	202	15.307	15.305	(1.131)	70398	3.84843	290(a)
	57 Pyrene	202	15.647	15.642	(0.893)	62578	3.51707	270(a)
$	78 Terphenyl-d14 (SUR)	244	15.841	15.833	(0.904)	530565	39.7630	3000
	60 3,3'-Dichlorobenzidine	252	17.445	17.444	(0.995)	4451	0.71483	54(a)
	63 bis(2-Ethylhexyl)phthalate	149	17.479	17.472	(0.997)	47143	2.37252	180(a)
	61 Benzo(a)anthracene	228	17.486	17.486	(0.998)	33753	1.97779	150
*	81 Chrysene-d12	240	17.528	17.528	(1.000)	586240	40.0000	
	62 Chrysene	228	17.563	17.576	(1.002)	37783	2.34920	180(a)
	65 Benzo(b)fluoranthene	252	19.828	19.845	(0.949)	23444	2.27114	170
	66 Benzo(k)fluoranthene	252	19.877	19.912	(0.952)	23921	2.41019	180
	67 Benzo(a)pyrene	252	20.709	20.721	(0.992)	18705	2.07801	160
*	84 Perylene-d12	264	20.886	20.877	(1.000)	292552	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	24.210	24.238	(1.159)	6133	0.67590	51
	70 Benzo(g,h,i)perylene	276	25.088	25.117	(1.201)	4959	0.63966	48(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).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Date : 05-SEP-2006 18:38
Client ID: MW4-SS01
Sample Info: 765876;3208865
Column phase: DB-5
Instrument: BNAMS6.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

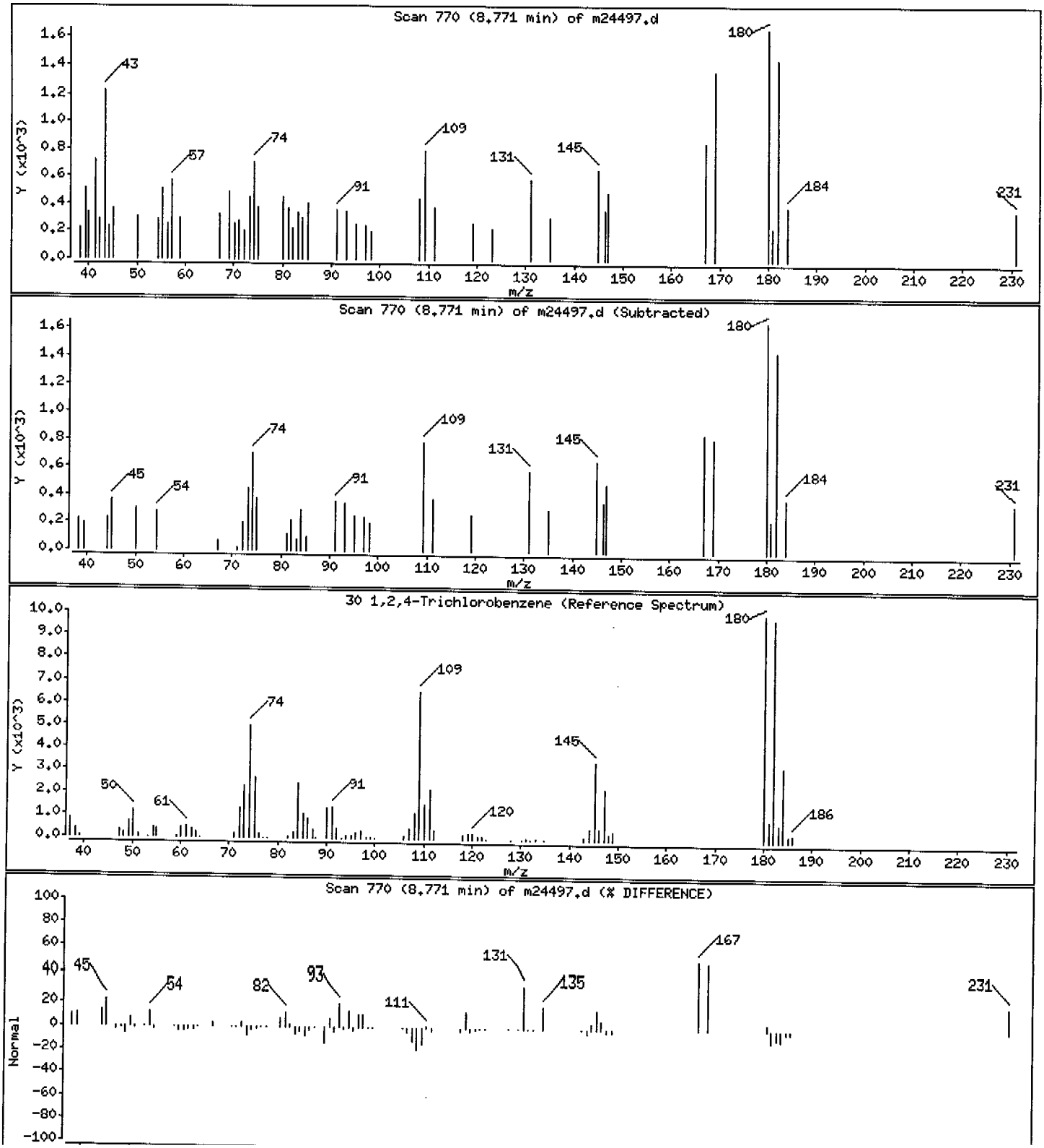
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

30 1,2,4-Trichlorobenzene

Concentration: 25 ug/Kg



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Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

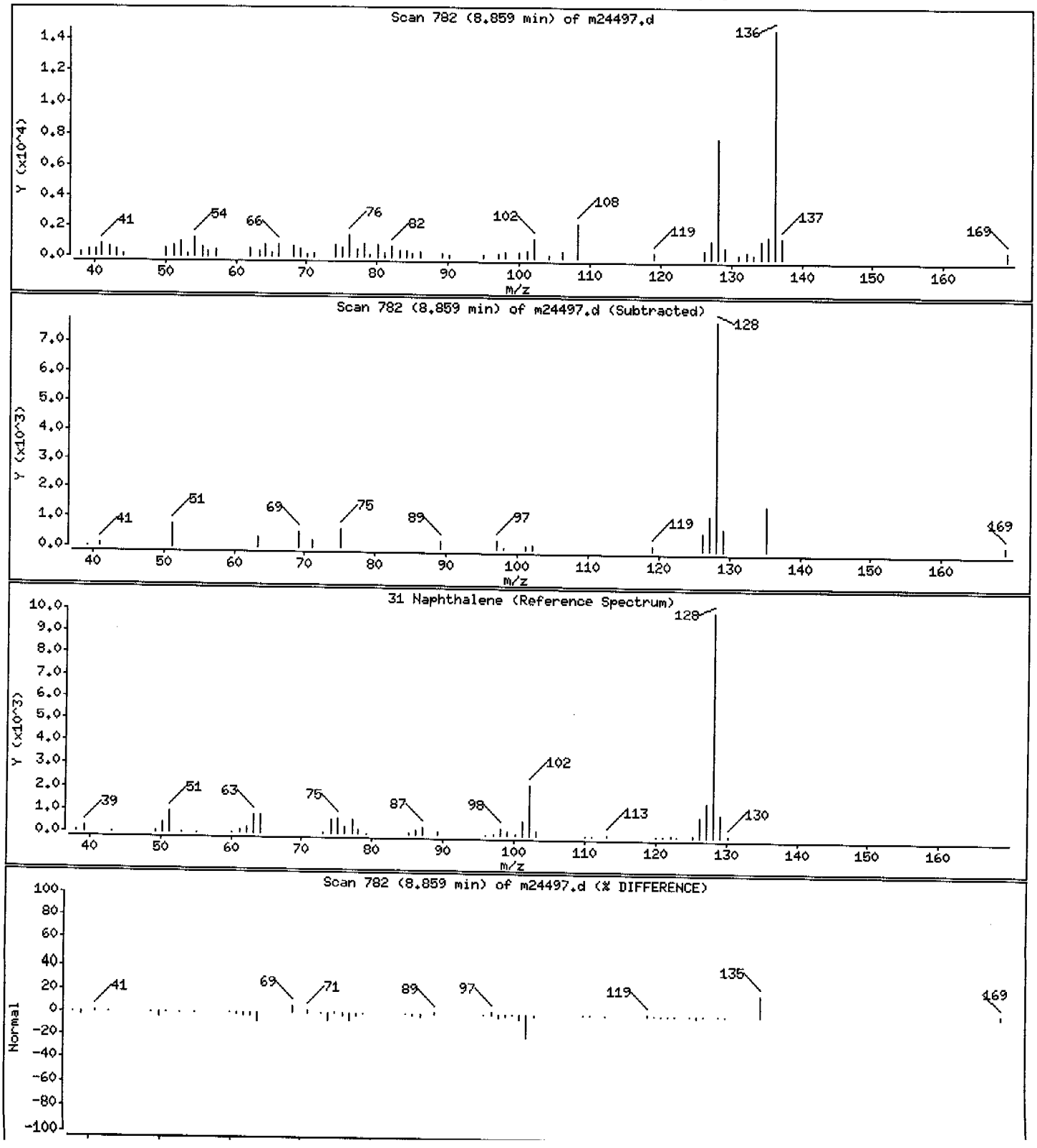
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

31 Naphthalene

Concentration: 42 ug/Kg



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Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

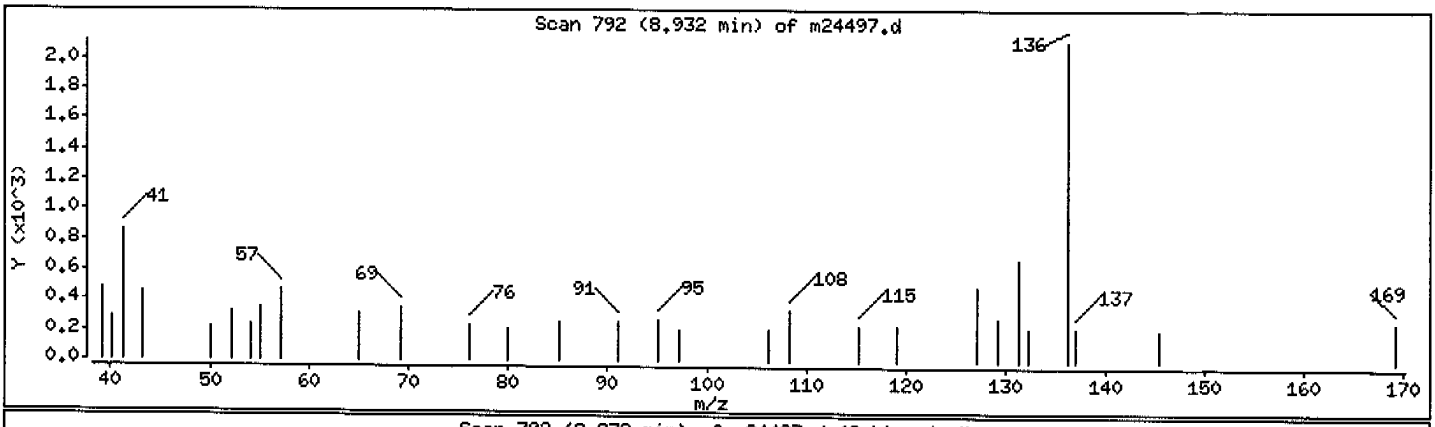
Operator: BNAMS 4

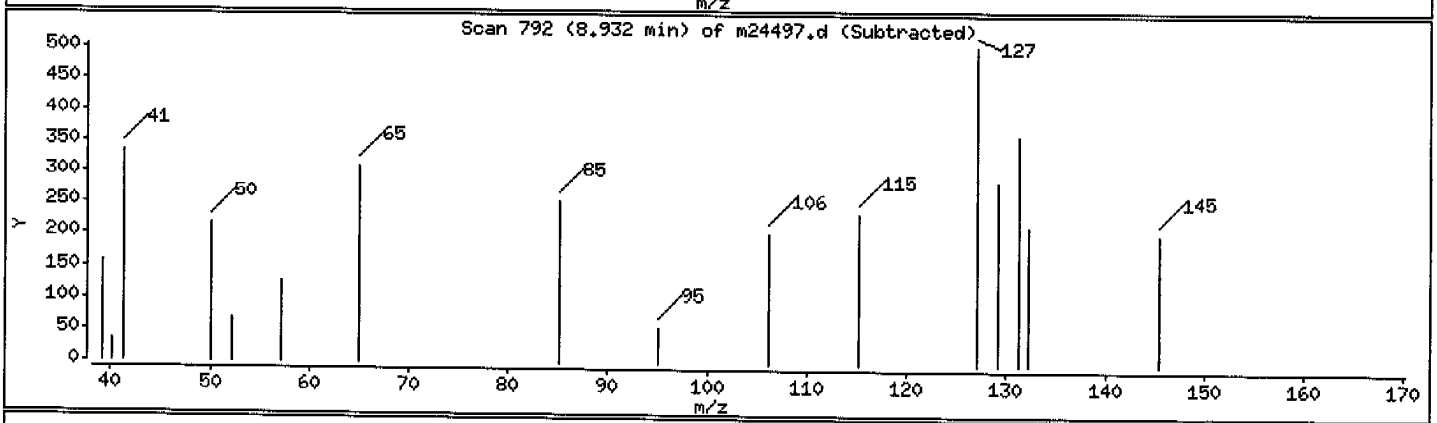
Column phase: DB-5

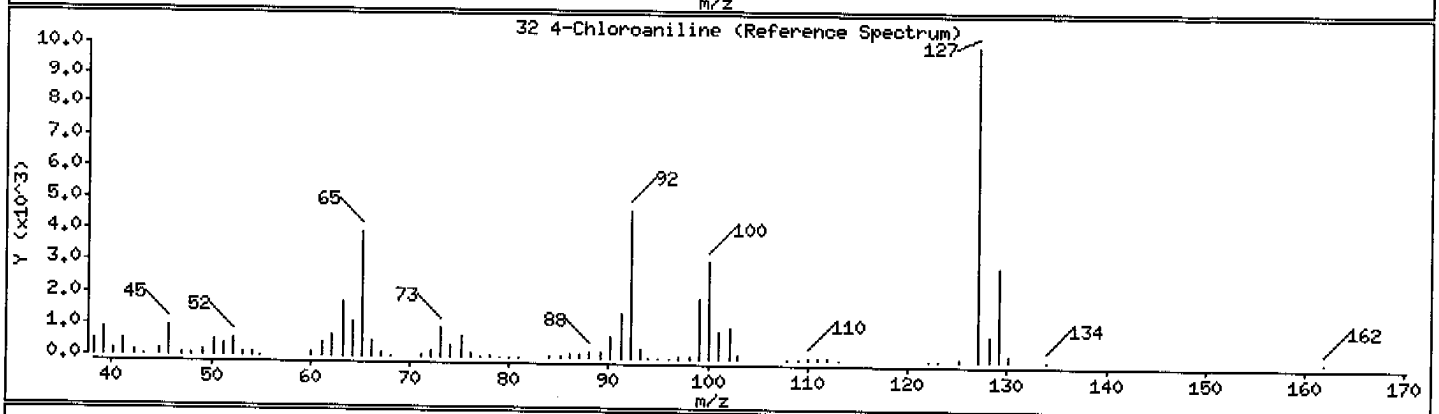
Column diameter: 0.25

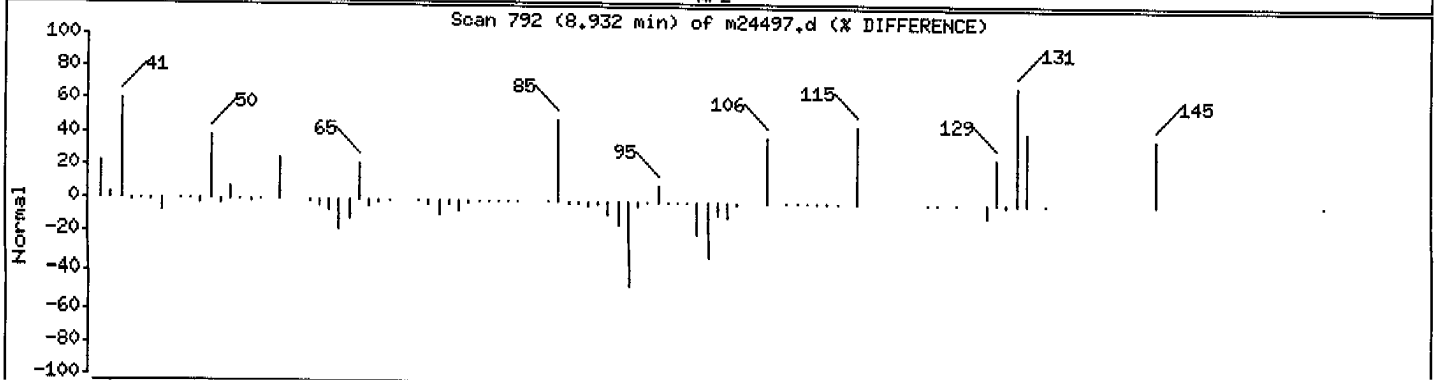
32 4-Chloroaniline

Concentration: 7.9 ug/Kg









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Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

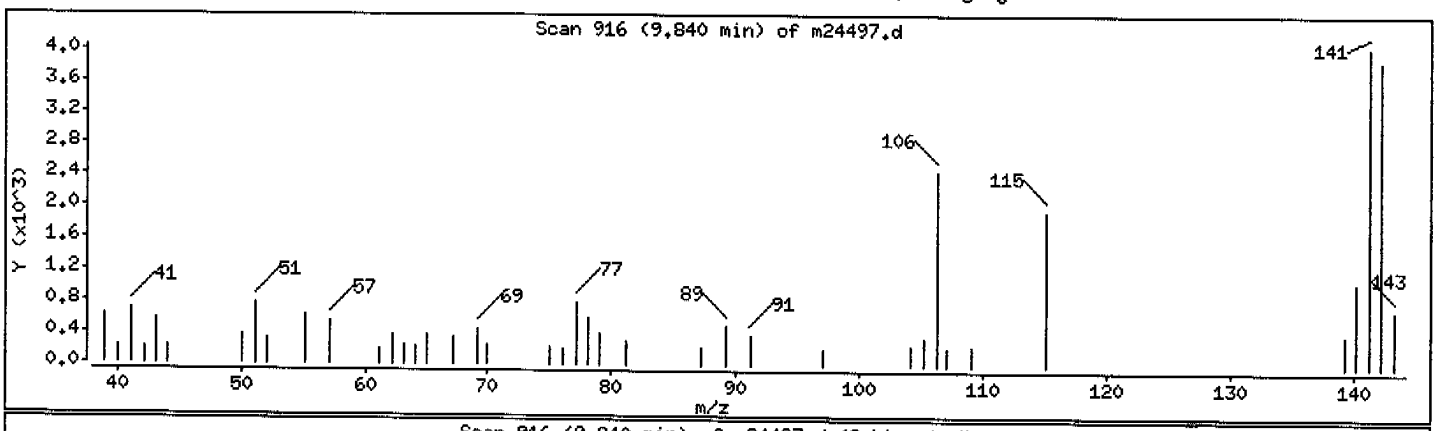
Operator: BNAMS 4

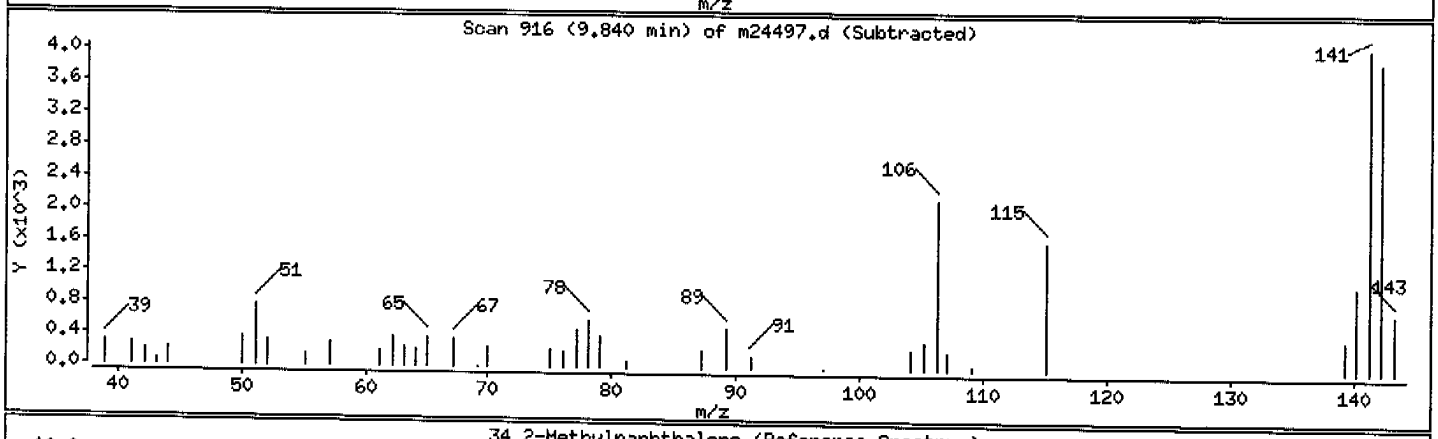
Column phase: DB-5

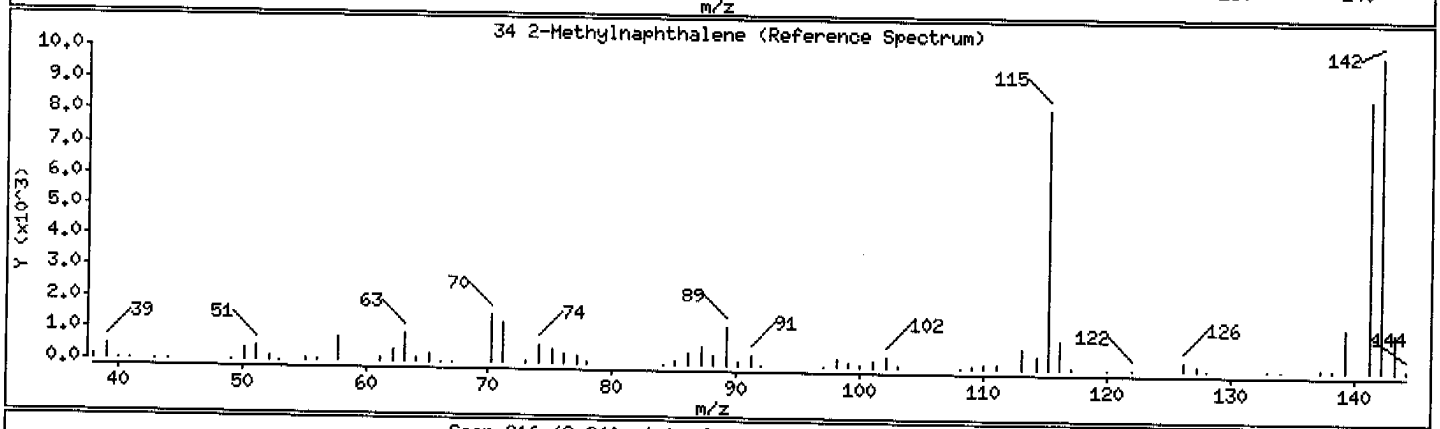
Column diameter: 0.25

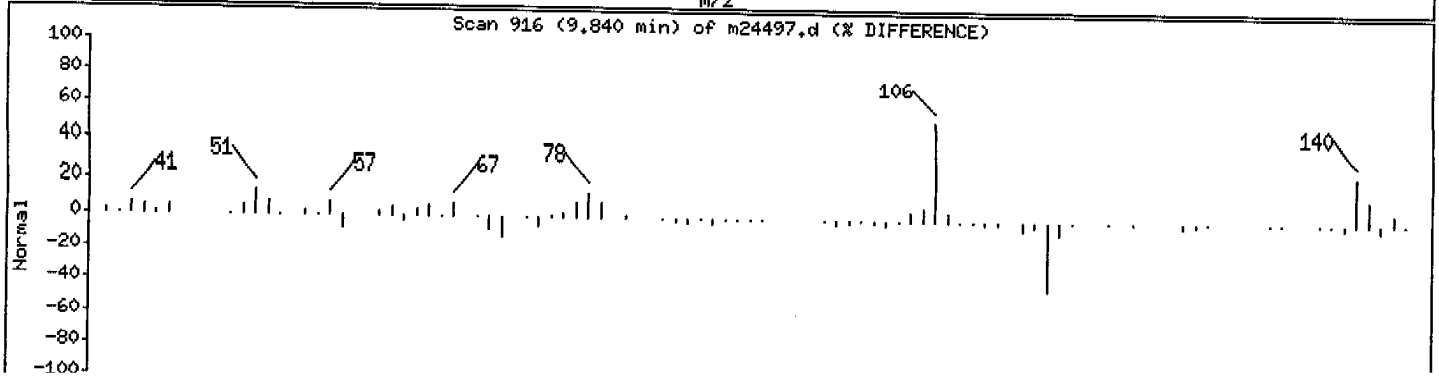
34 2-Methylnaphthalene

Concentration: 26 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

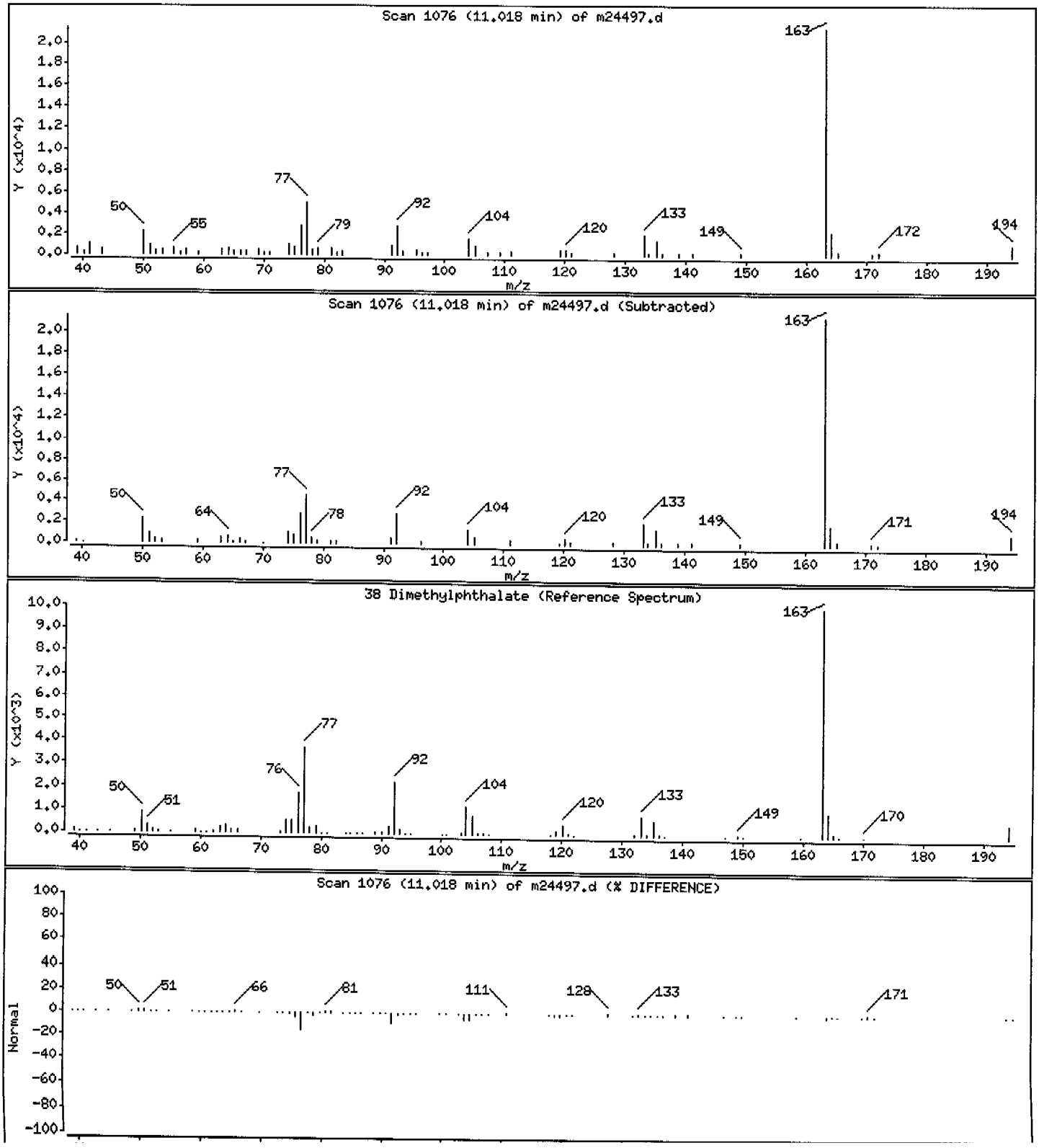
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

38 Dimethylphthalate Concentration: 98 ug/Kg



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Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

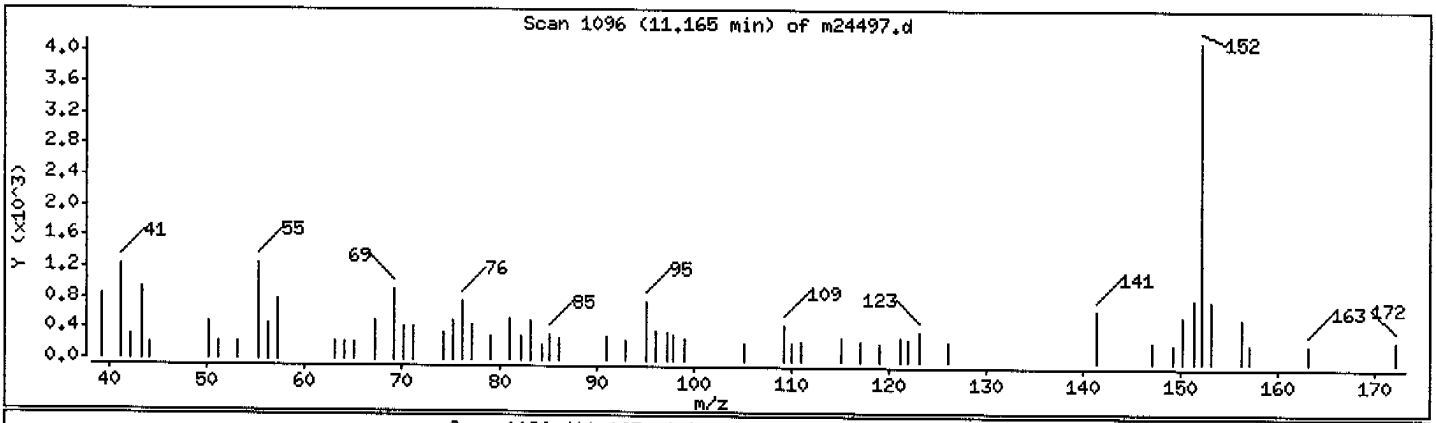
Operator: BNAMS 4

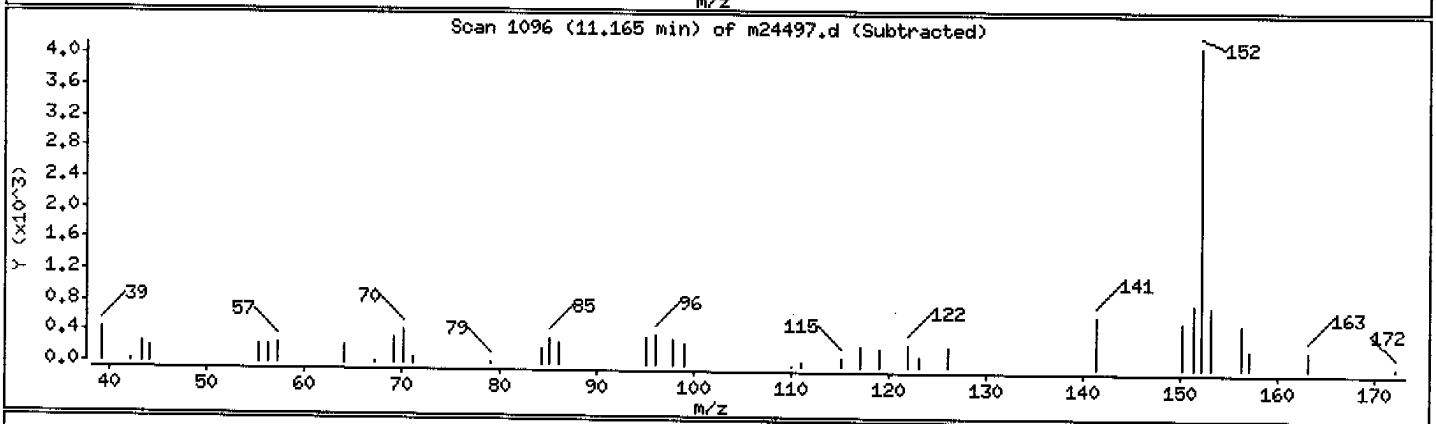
Column phase: DB-5

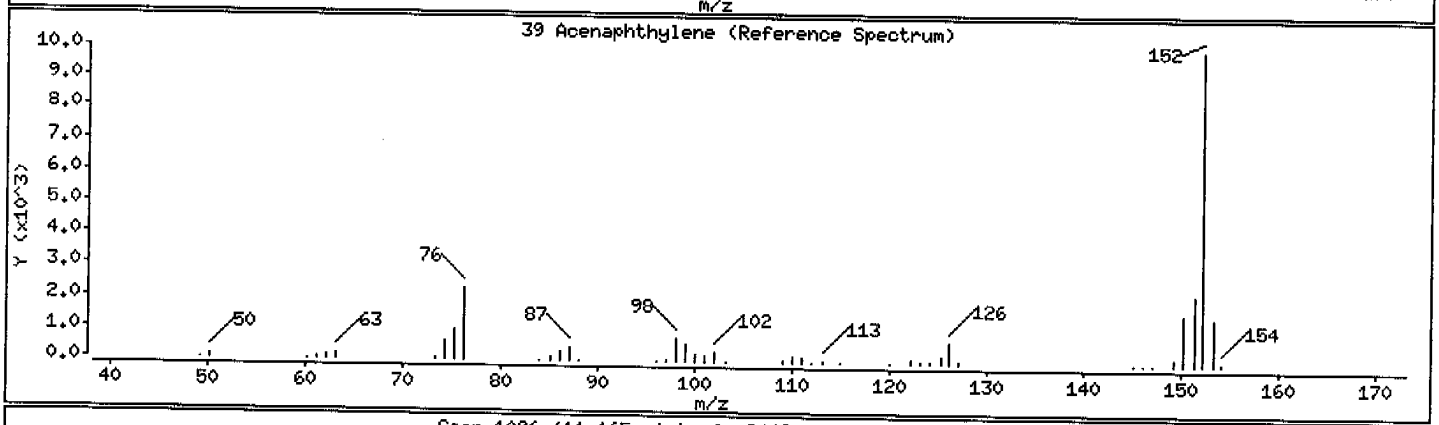
Column diameter: 0.25

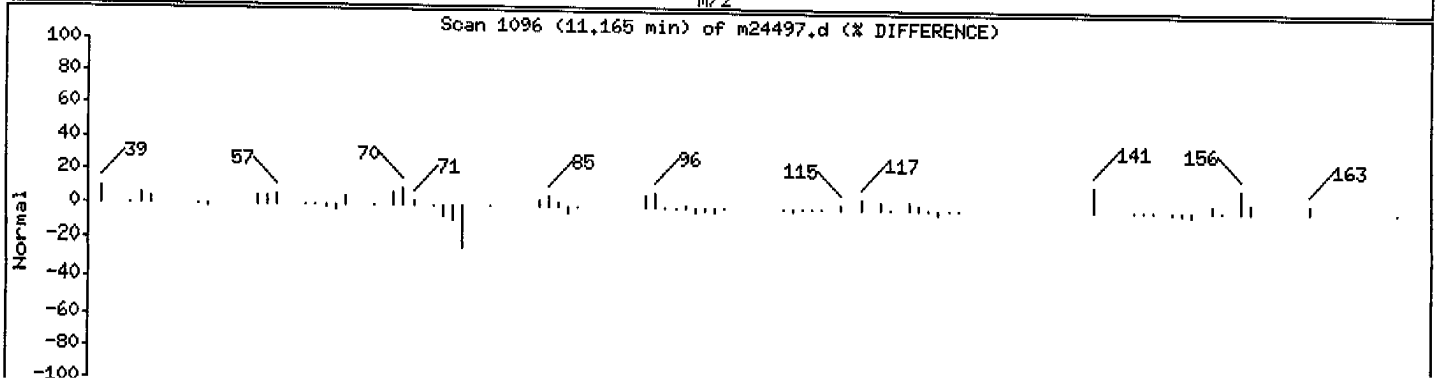
39 Acenaphthylene

Concentration: 21 ug/Kg









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Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

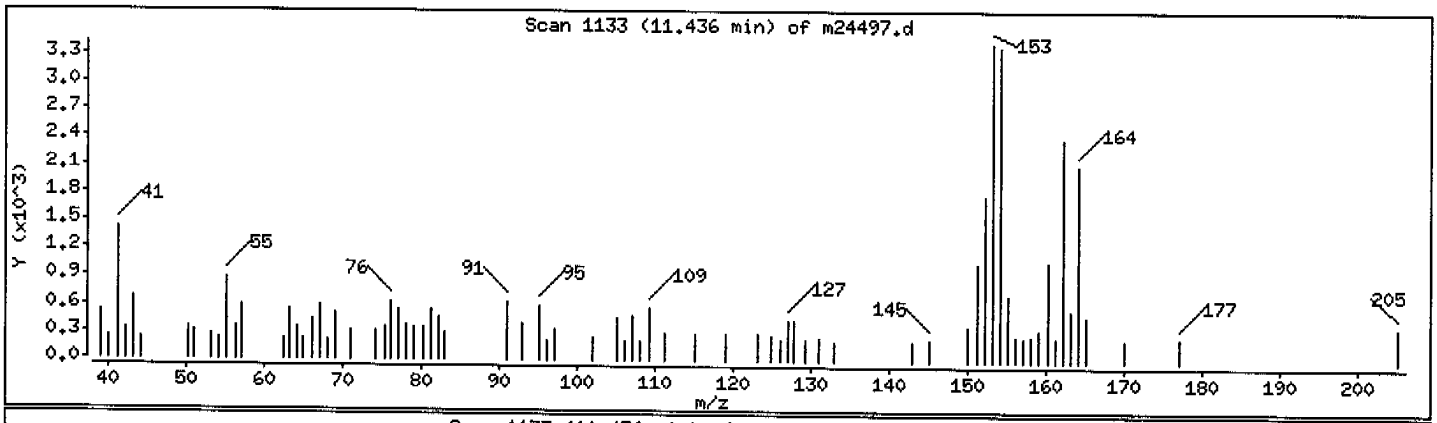
Operator: BNAMS 4

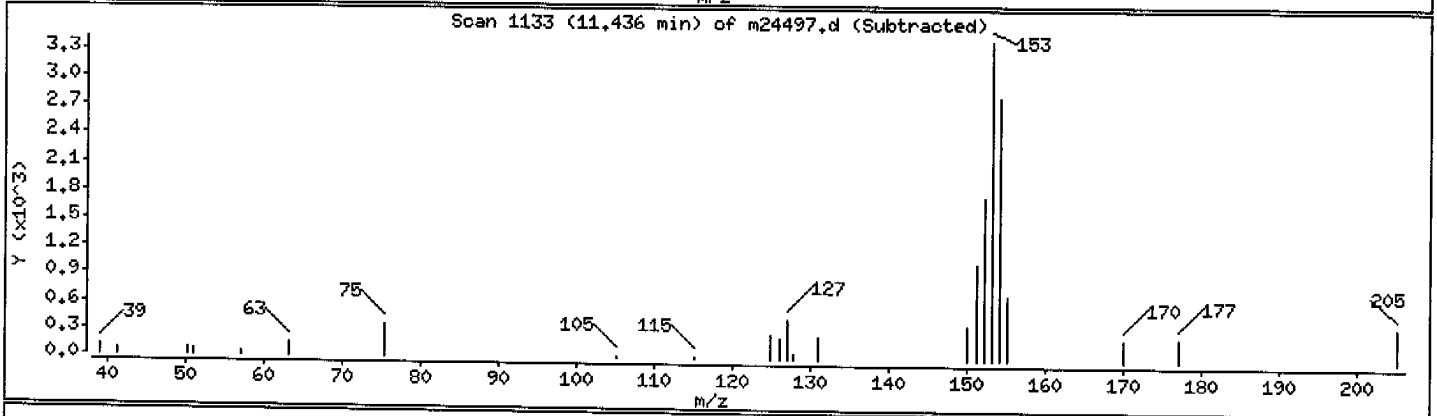
Column phase: DB-5

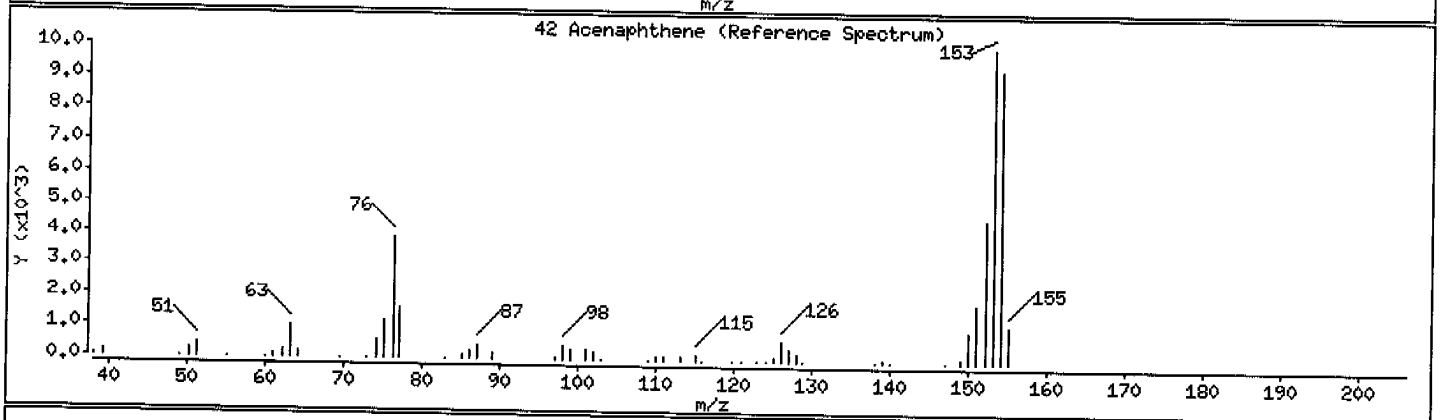
Column diameter: 0.25

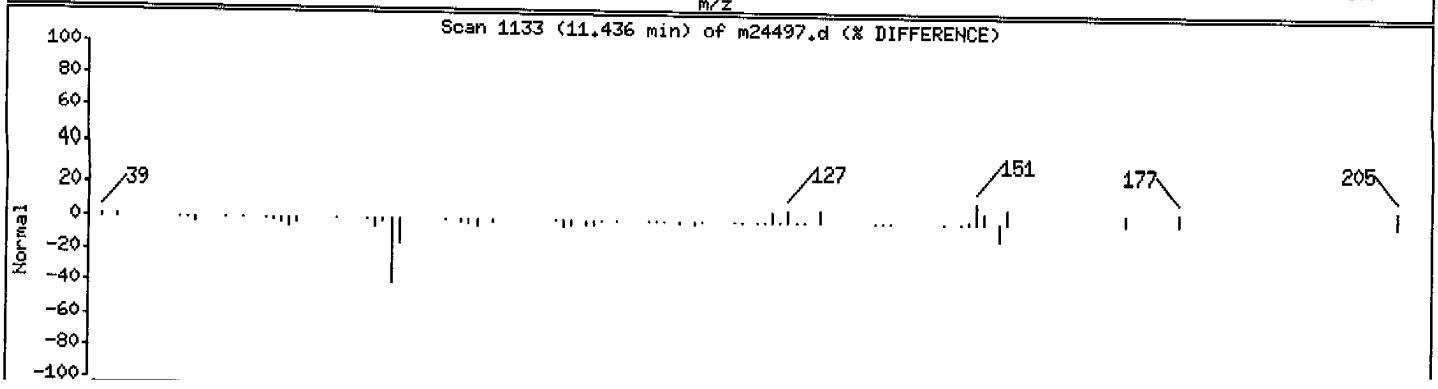
42 Acenaphthene

Concentration: 24 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

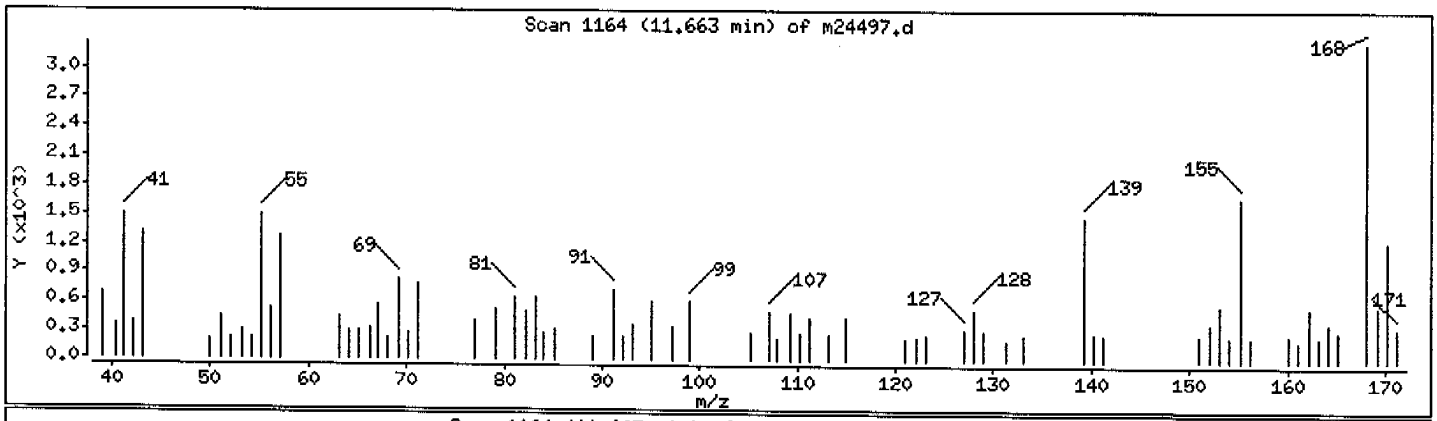
Operator: BNAMS 4

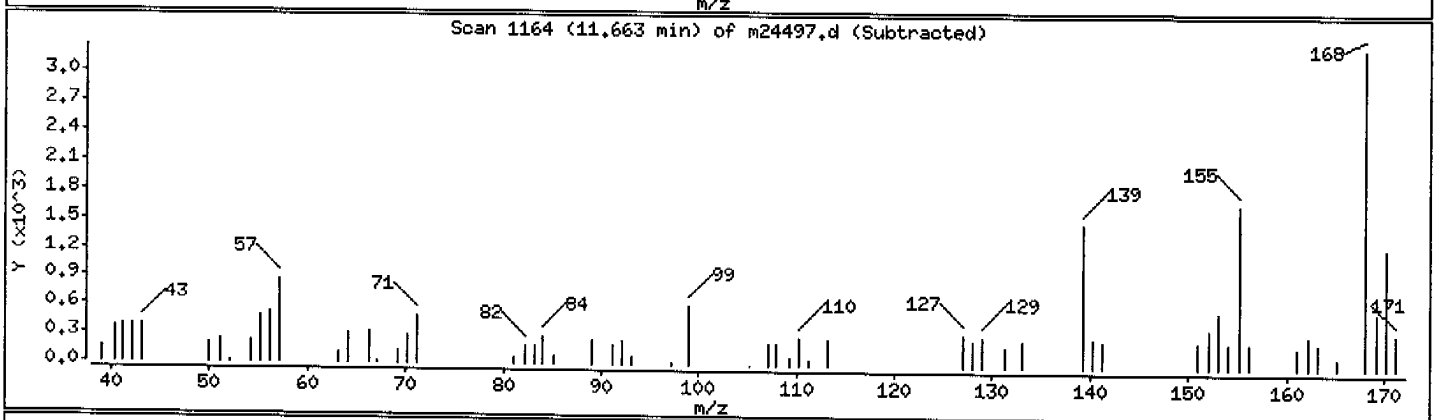
Column phase: DB-5

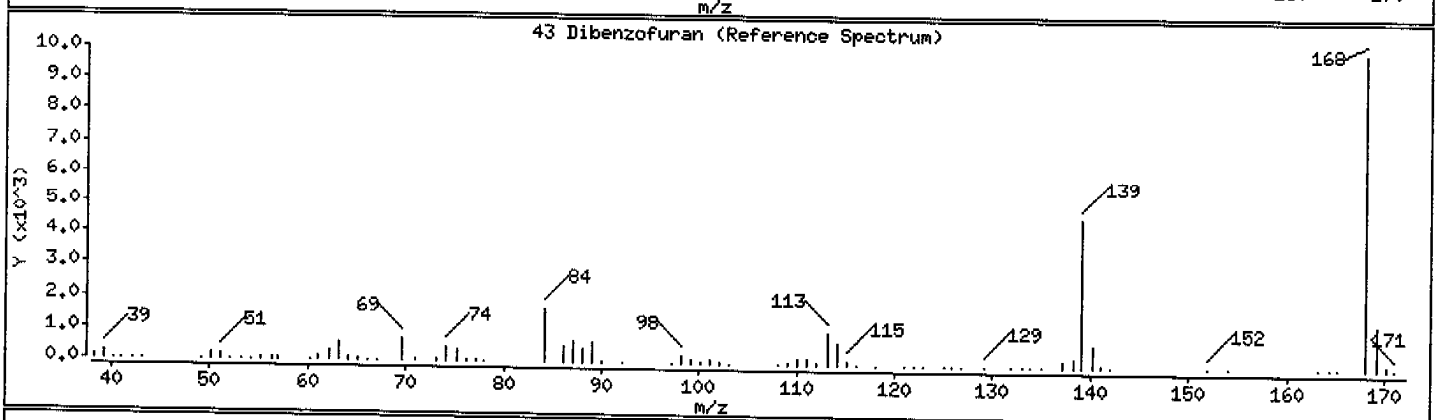
Column diameter: 0.25

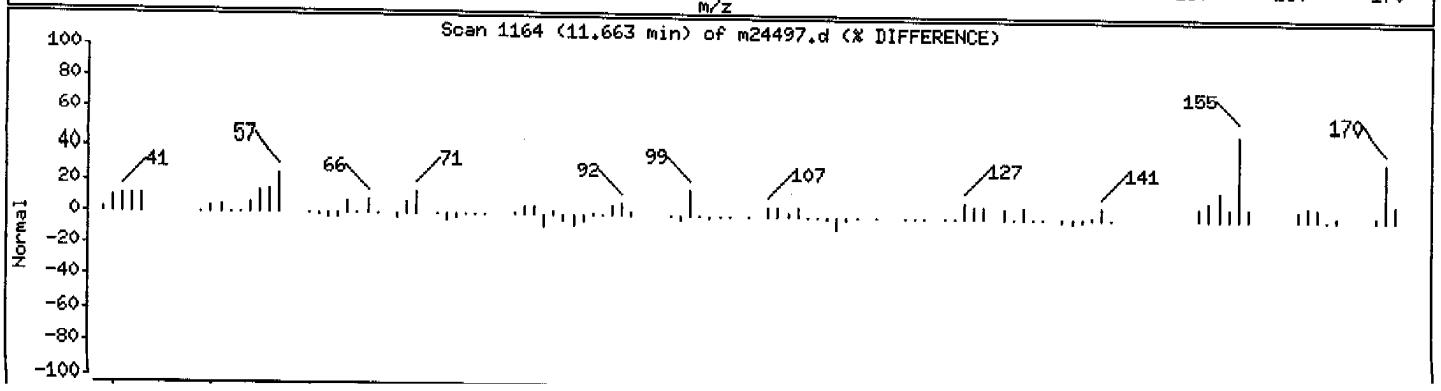
43 Dibenzofuran

Concentration: 15 ug/Kg









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Date : 05-SEP-2006 18:38

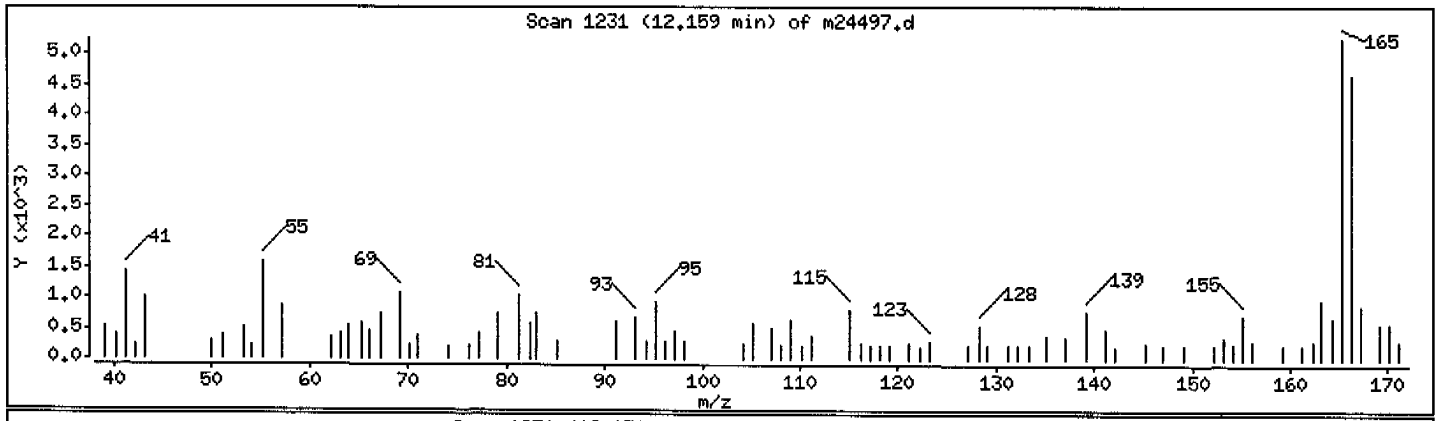
Client ID: MW4-SS01 Instrument: BNAMS6.i

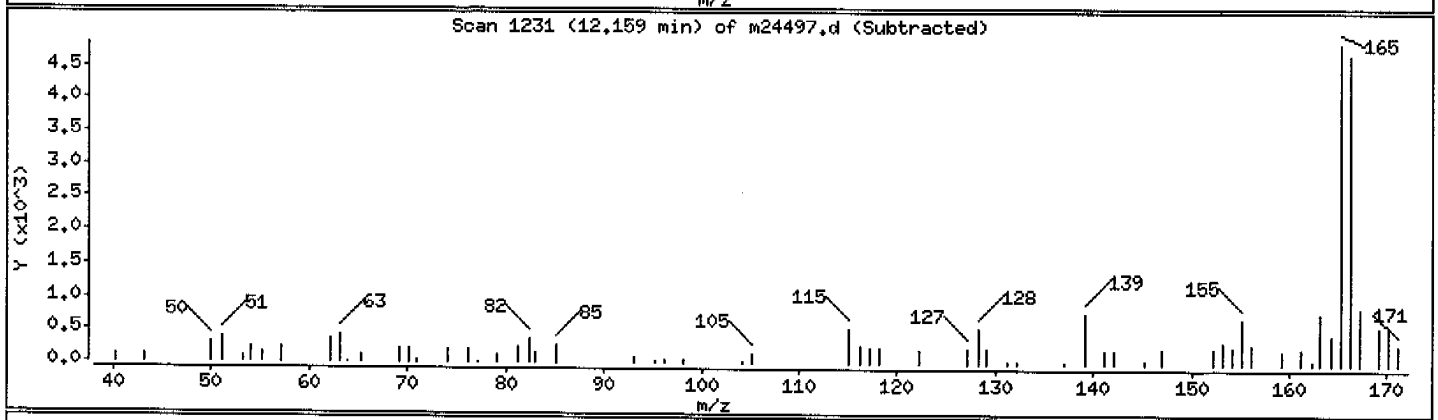
Sample Info: 765876;3208865

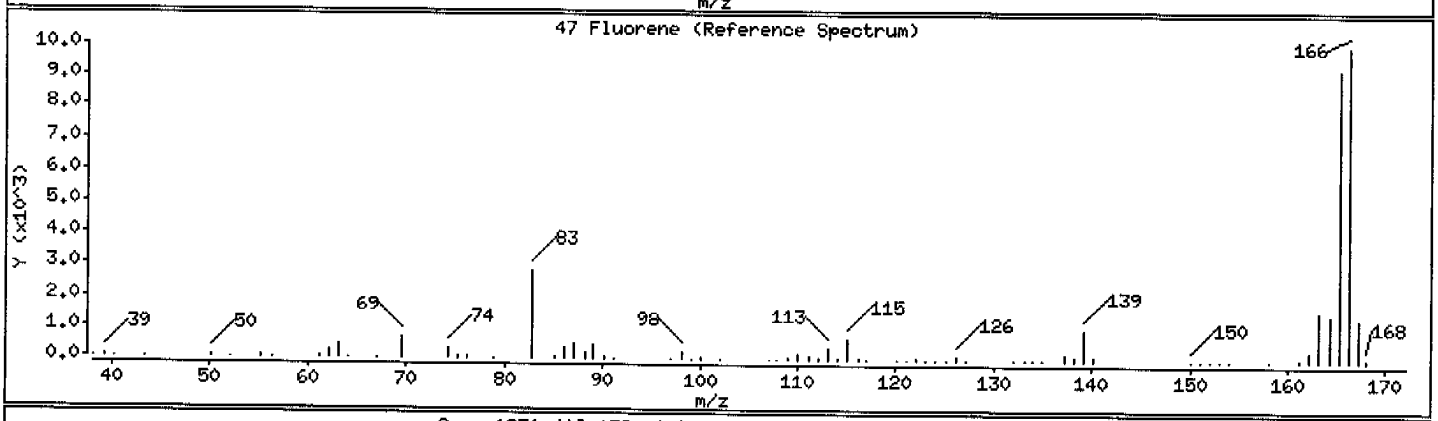
Operator: BNAMS 4

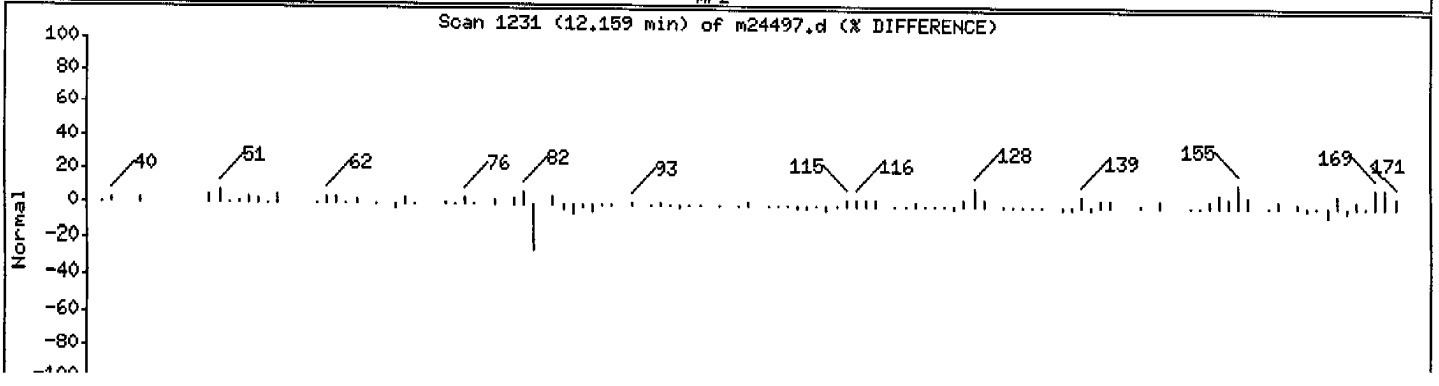
Column phase: DB-5 Column diameter: 0.25

47 Fluorene Concentration: 29 ug/Kg









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Date : 05-SEP-2006 18:38

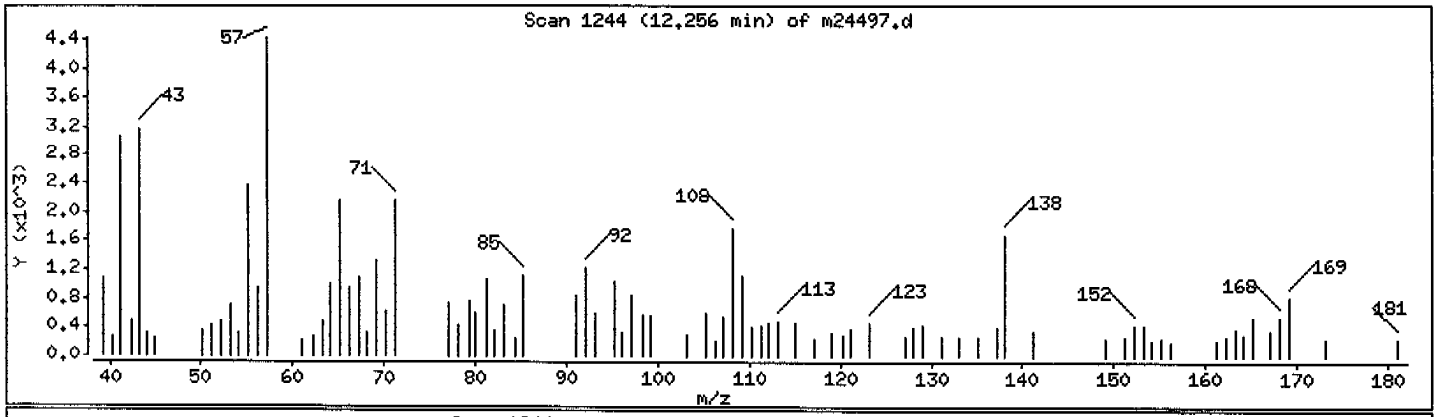
Client ID: MW4-SS01 Instrument: BNAMS6.i

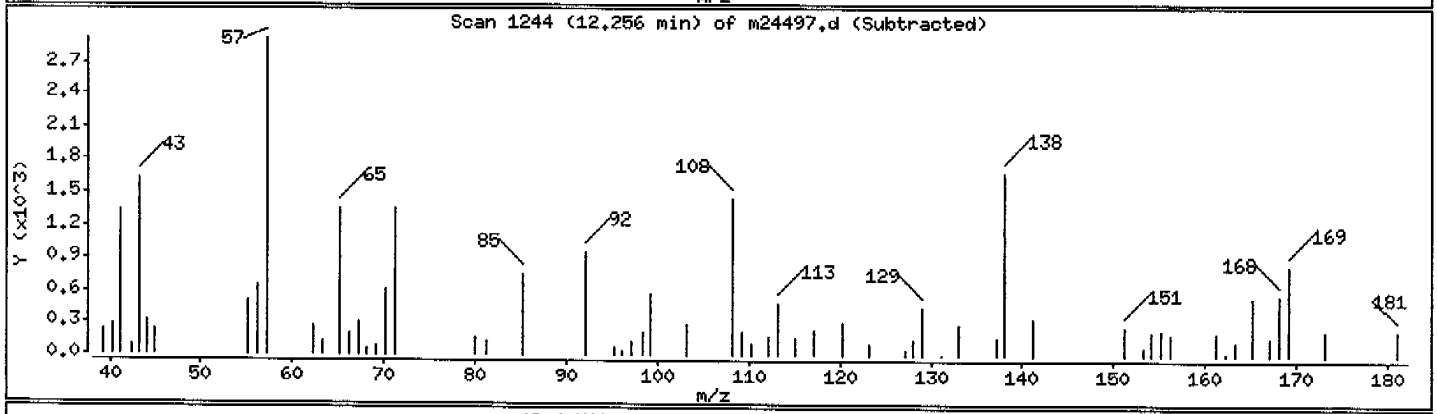
Sample Info: 765876;3208865

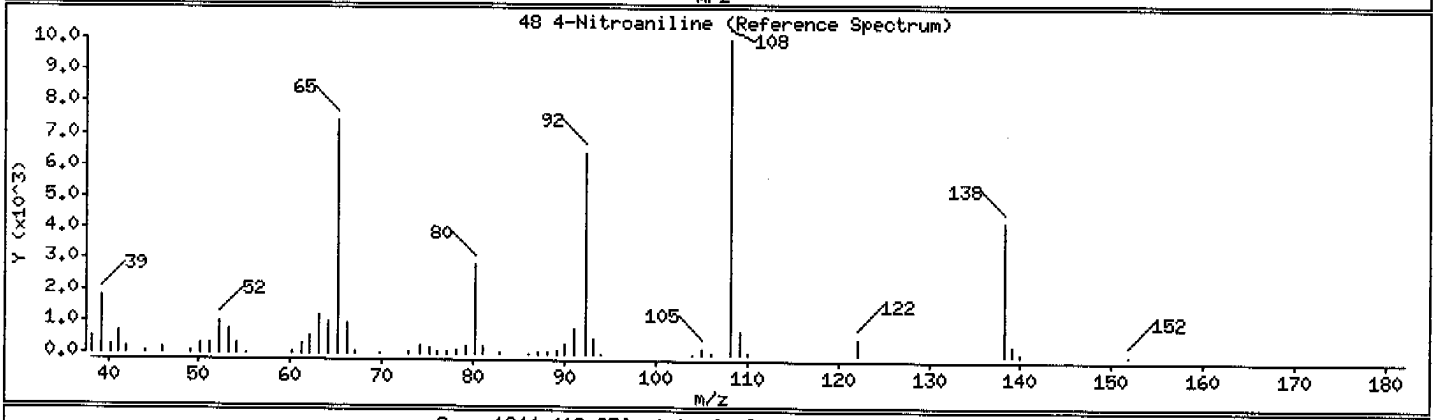
Operator: BNAMS 4

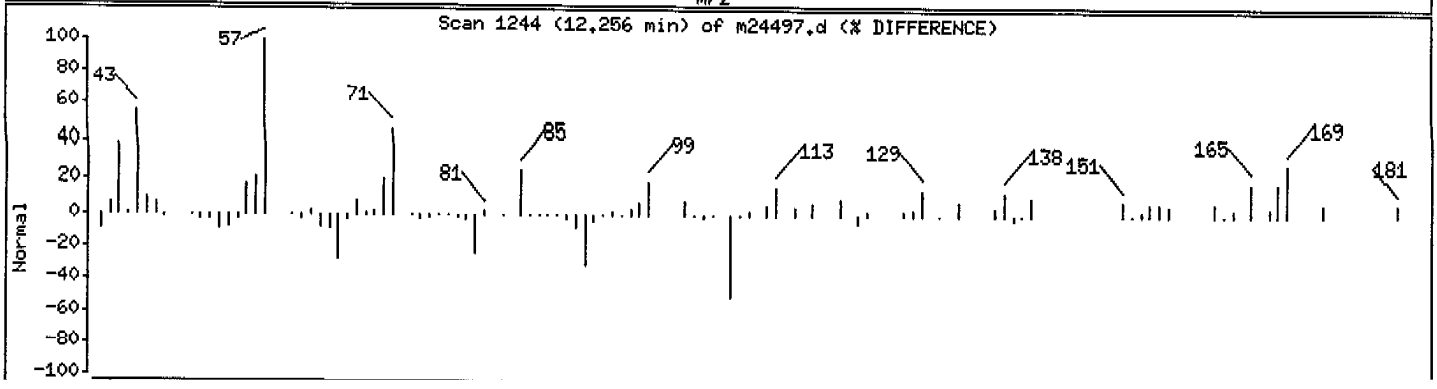
Column phase: DB-5 Column diameter: 0.25

48 4-Nitroaniline Concentration: 48 ug/Kg









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Date : 05-SEP-2006 18:38

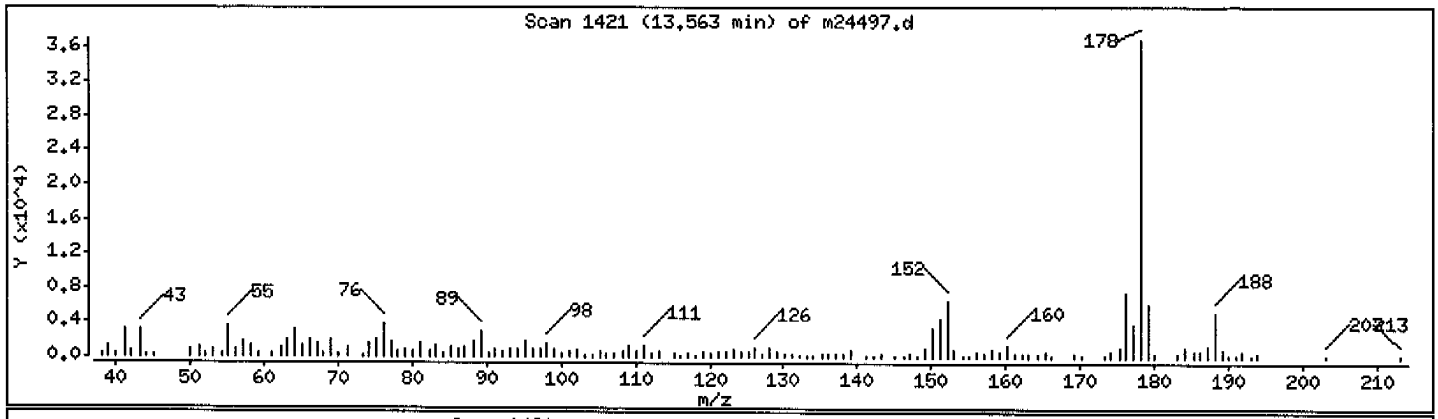
Client ID: MW4-SS01 Instrument: BNAMS6.i

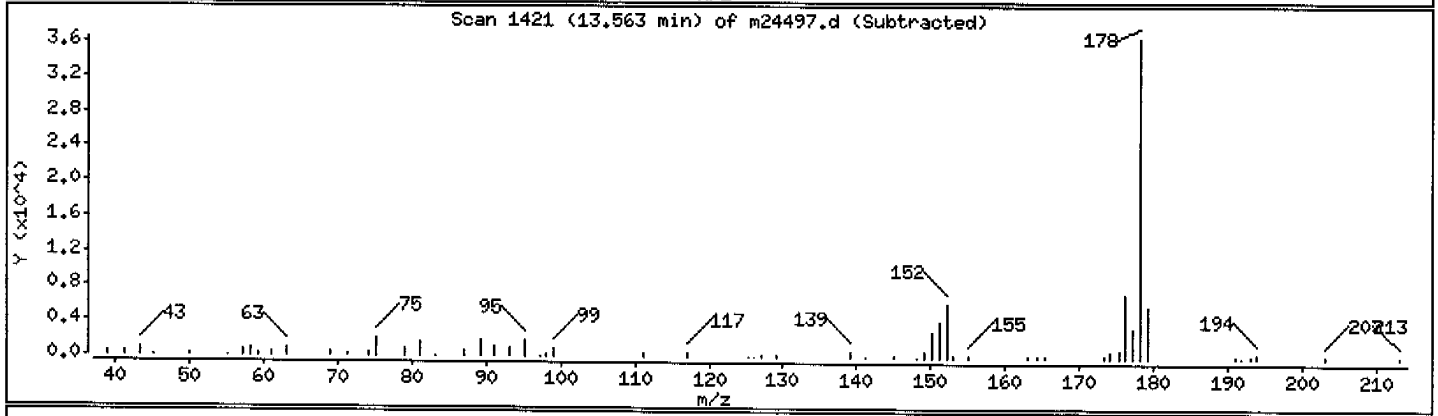
Sample Info: 765876;3208865

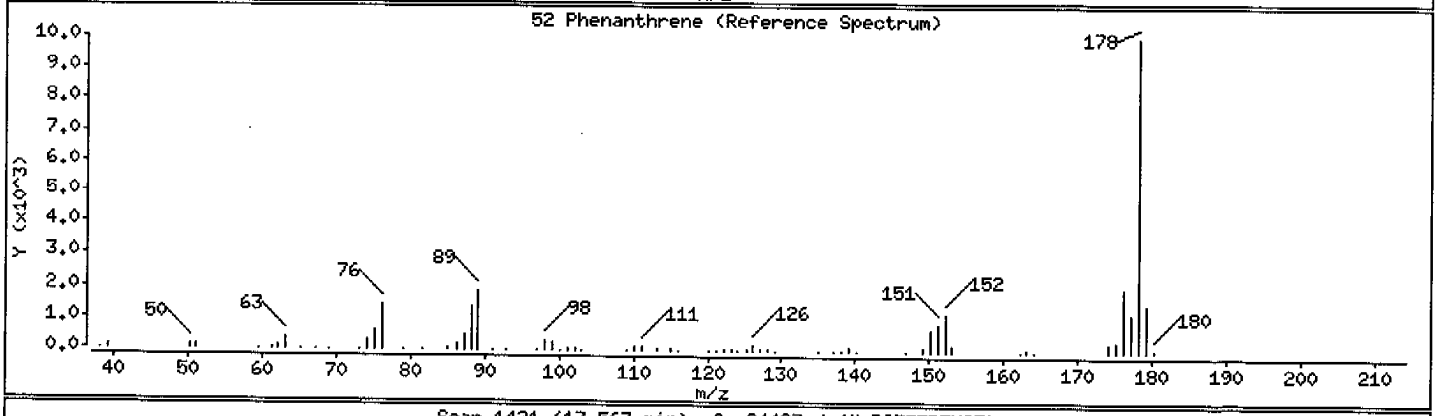
Operator: BNAMS 4

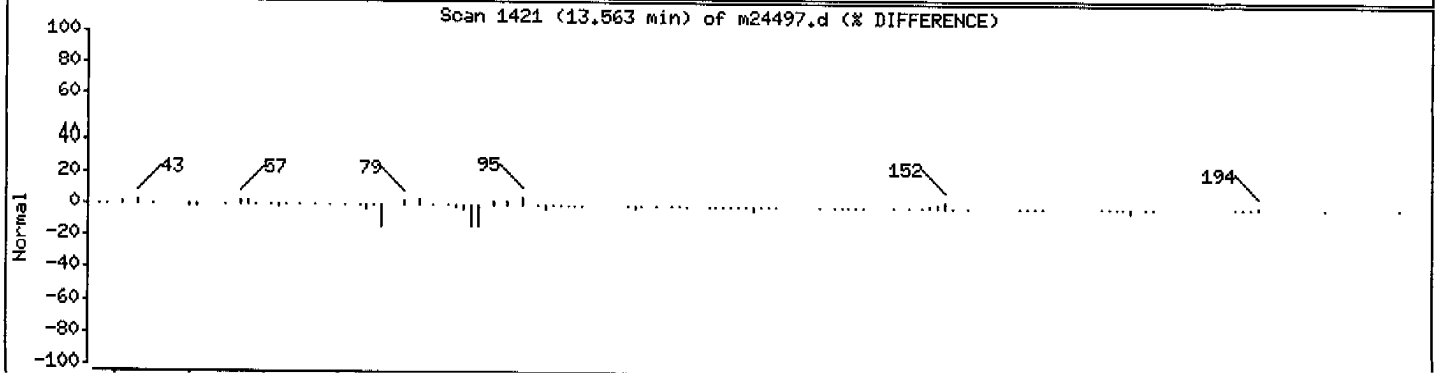
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 180 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

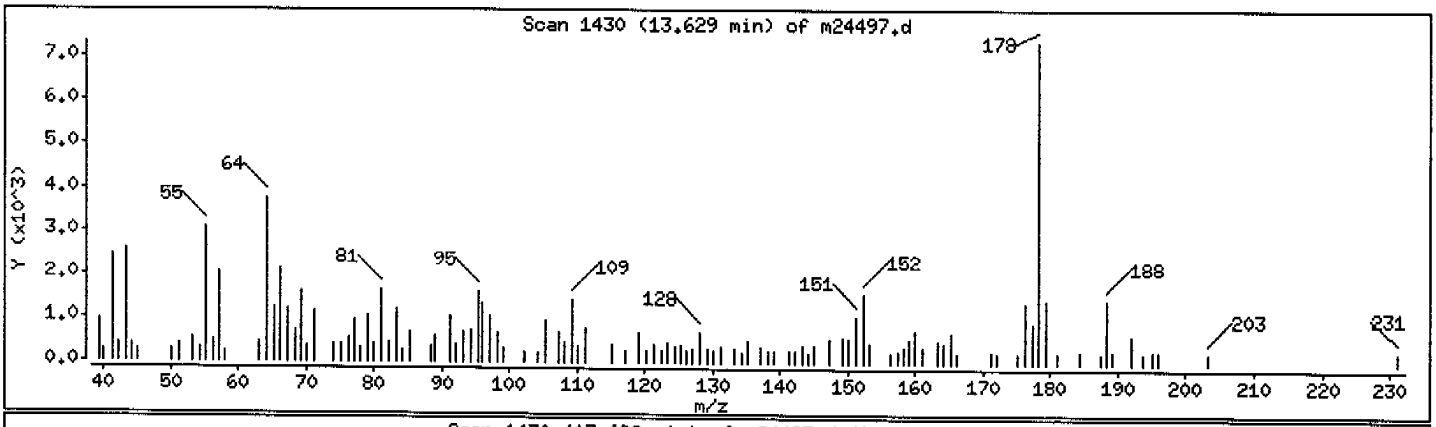
Operator: BNAMS 4

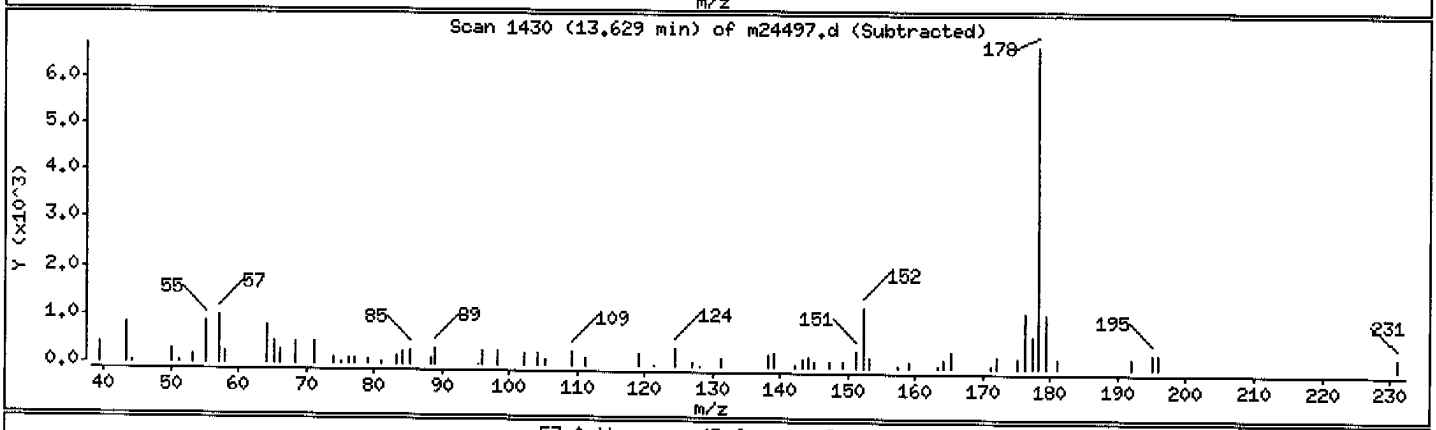
Column phase: DB-5

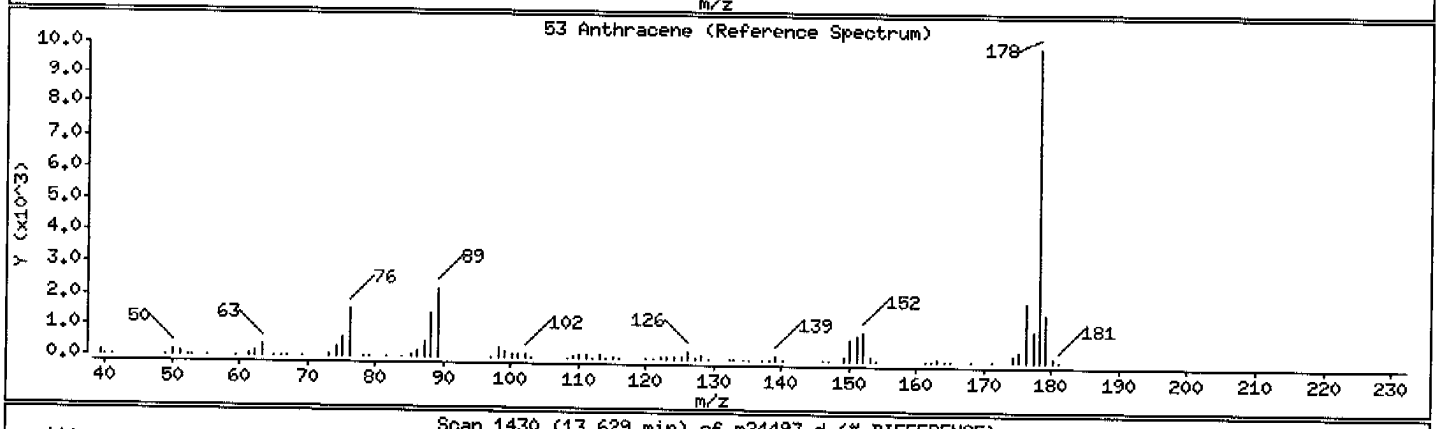
Column diameter: 0.25

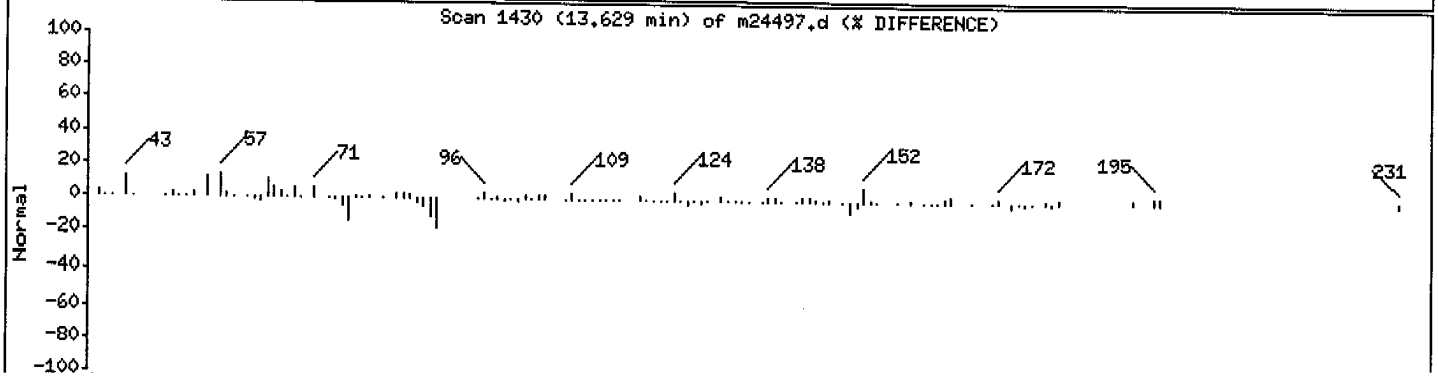
53 Anthracene

Concentration: 36 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

Client ID: MW4-SS01

Instrument: BNAMS6.i

Sample Info: 765876;3208865

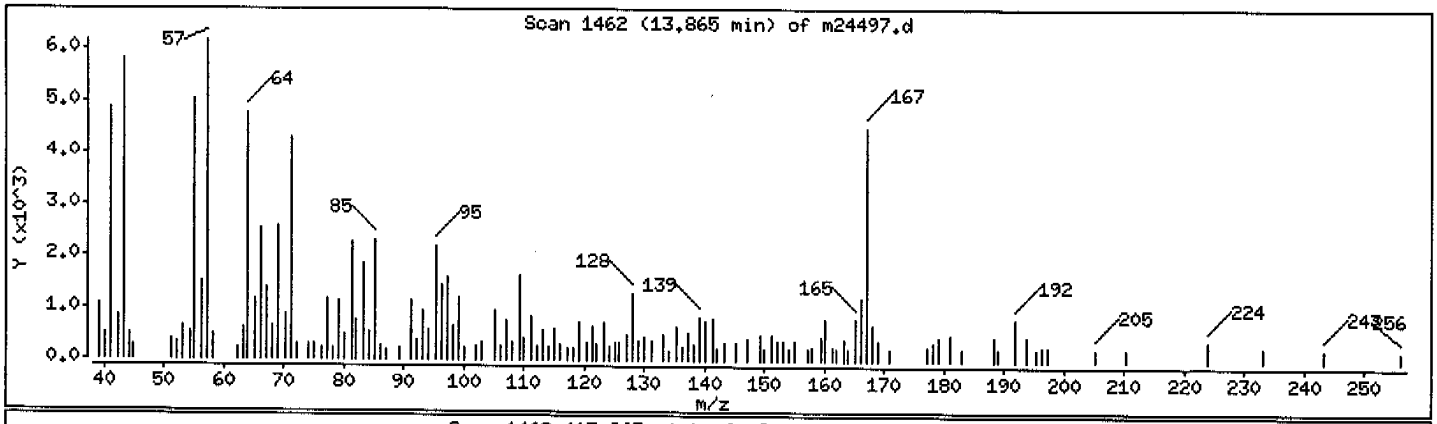
Operator: BNAMS 4

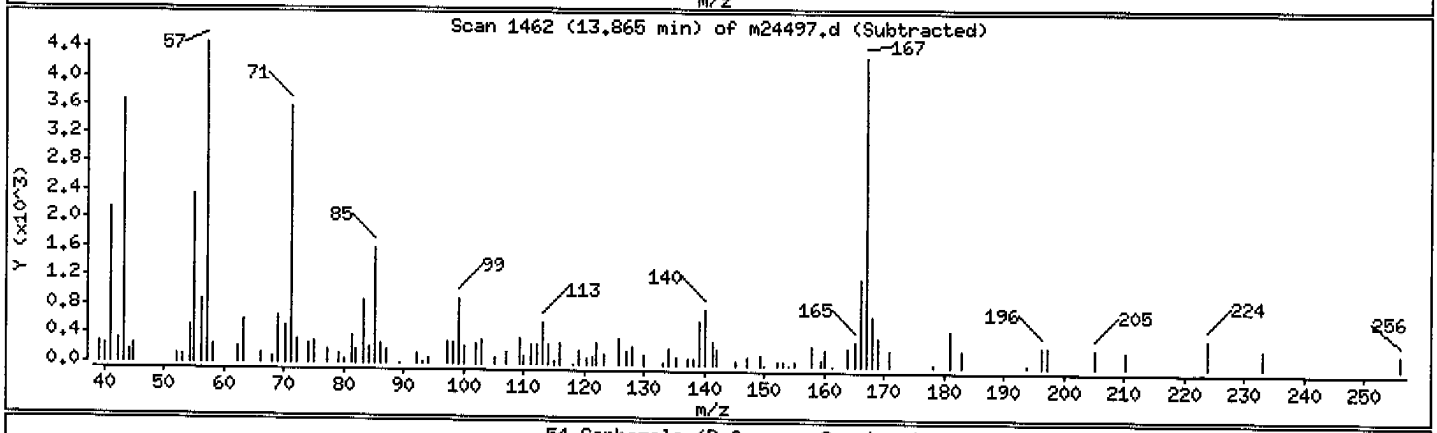
Column phase: DB-5

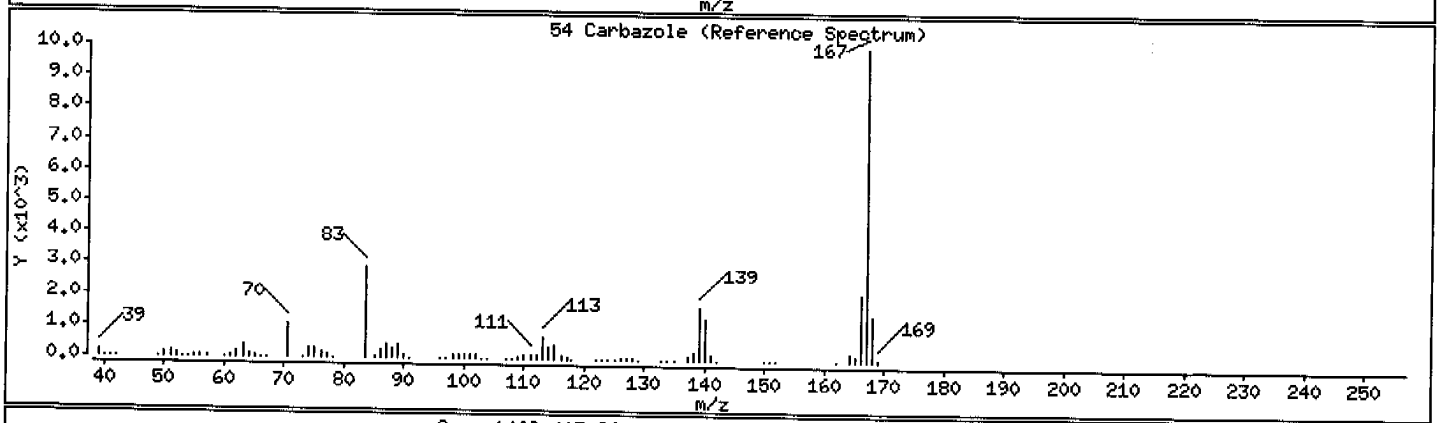
Column diameter: 0.25

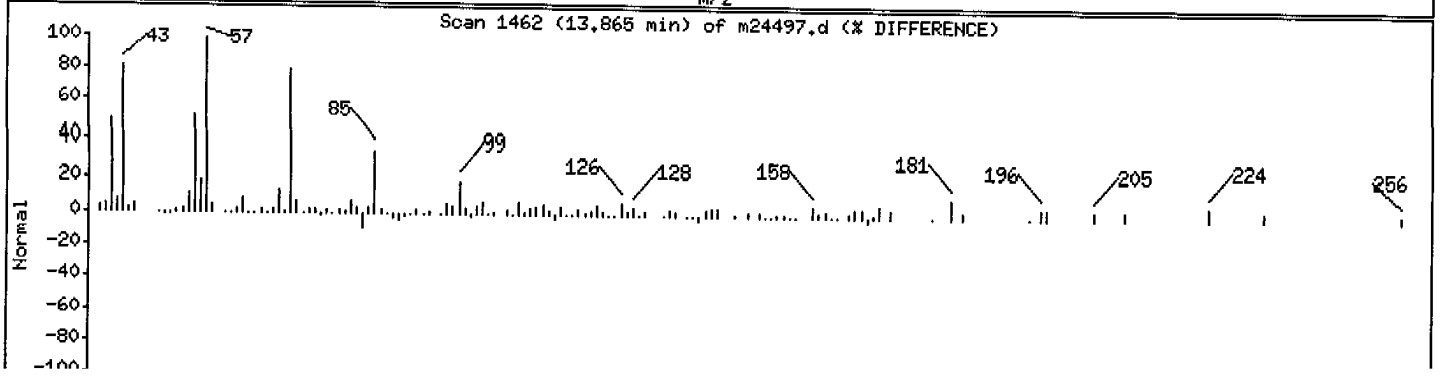
54 Carbazole

Concentration: 24 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

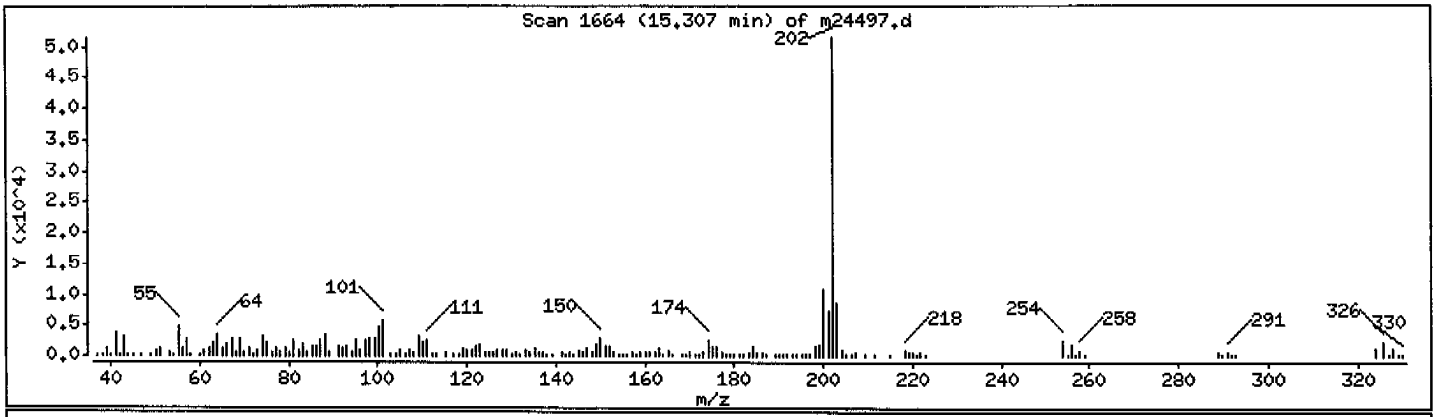
Client ID: MW4-SS01 Instrument: BNAMS6.i

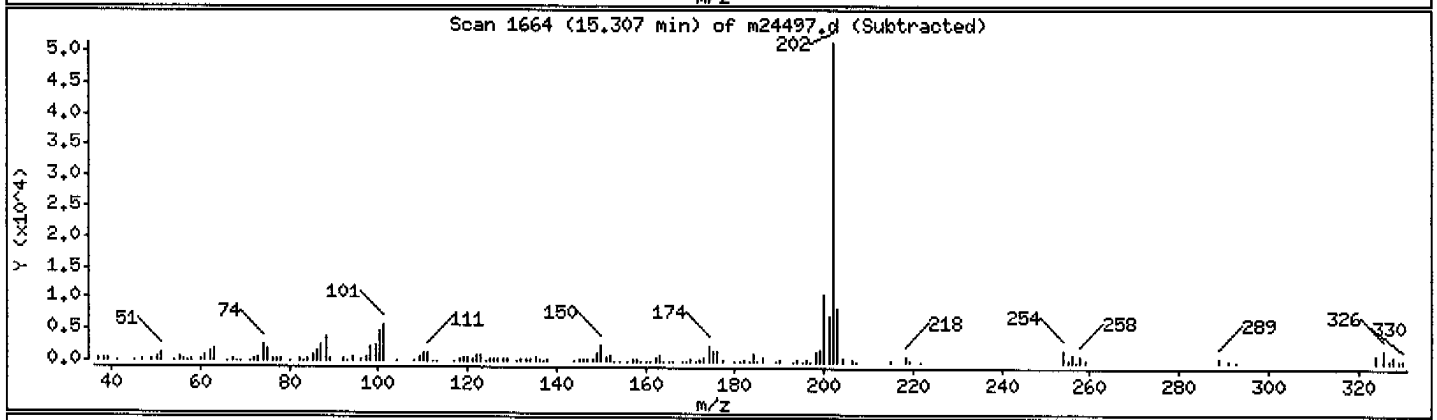
Sample Info: 765876;3208865

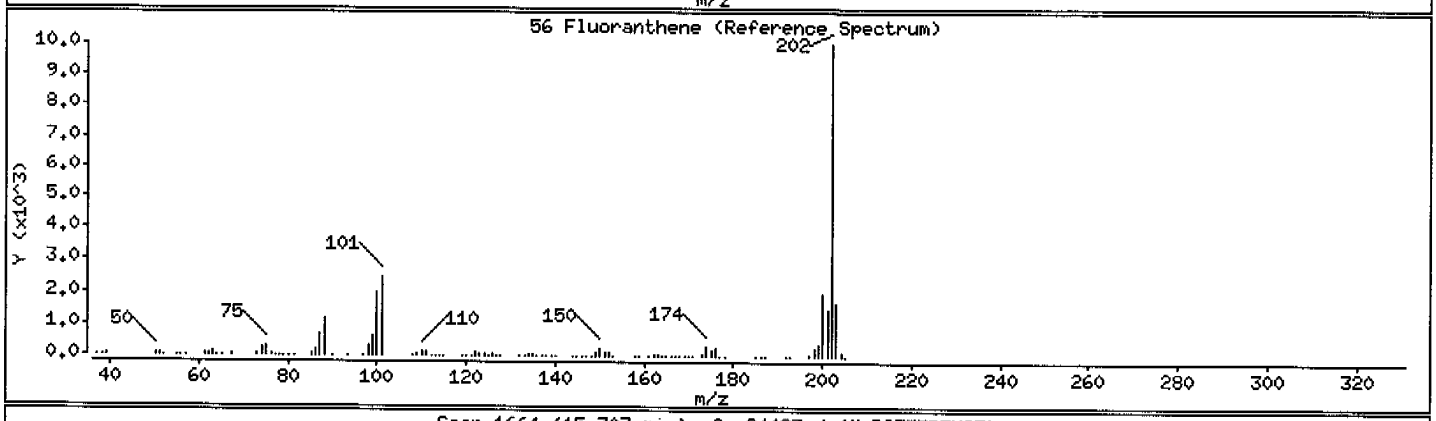
Operator: BNAMS 4

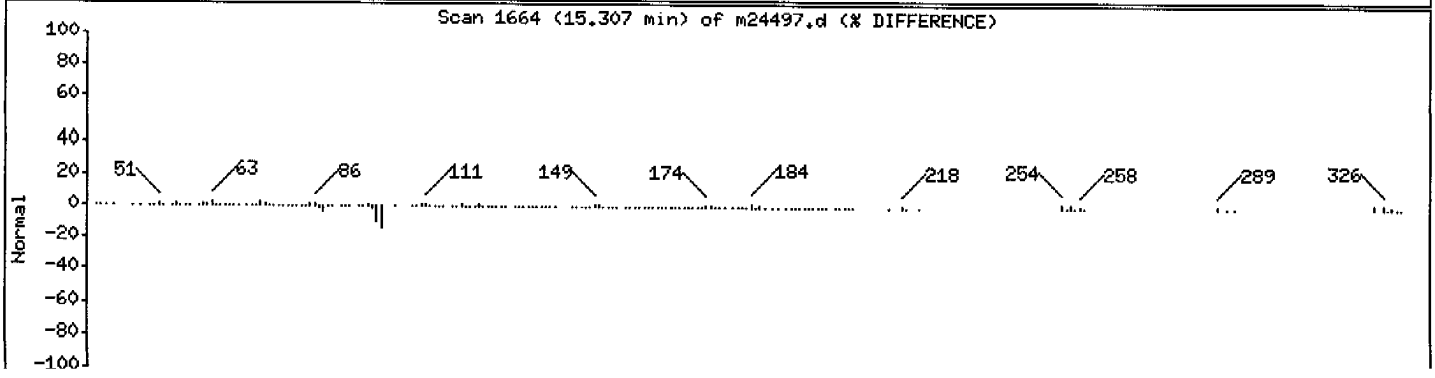
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 290 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

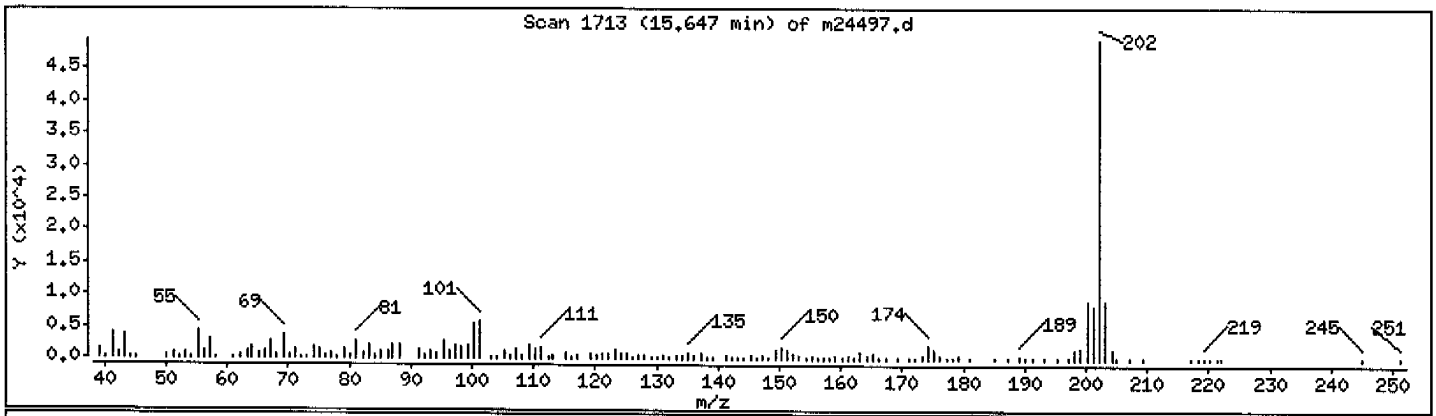
Client ID: MW4-SS01 Instrument: BNAMS6.i

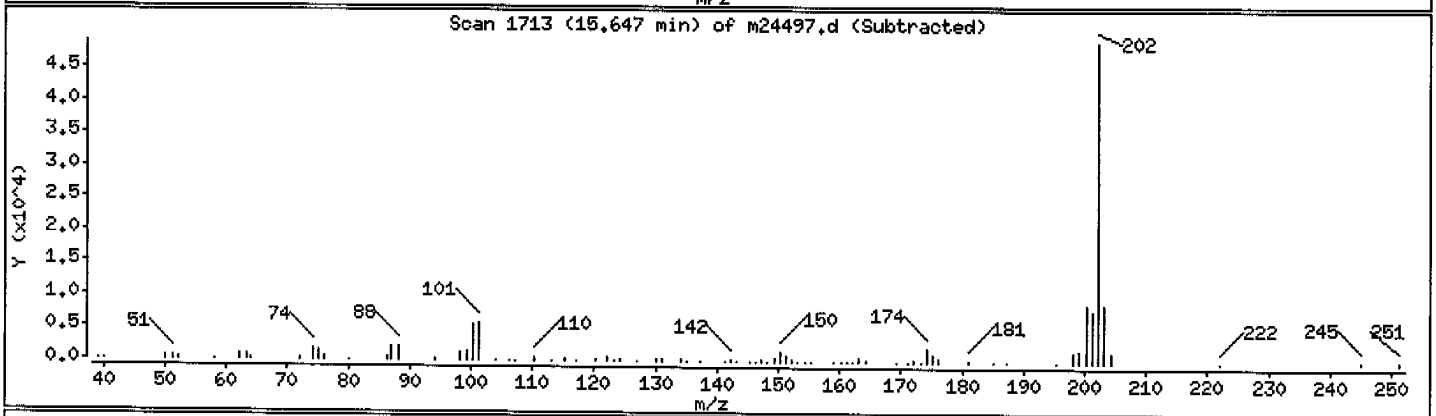
Sample Info: 765876;3208865

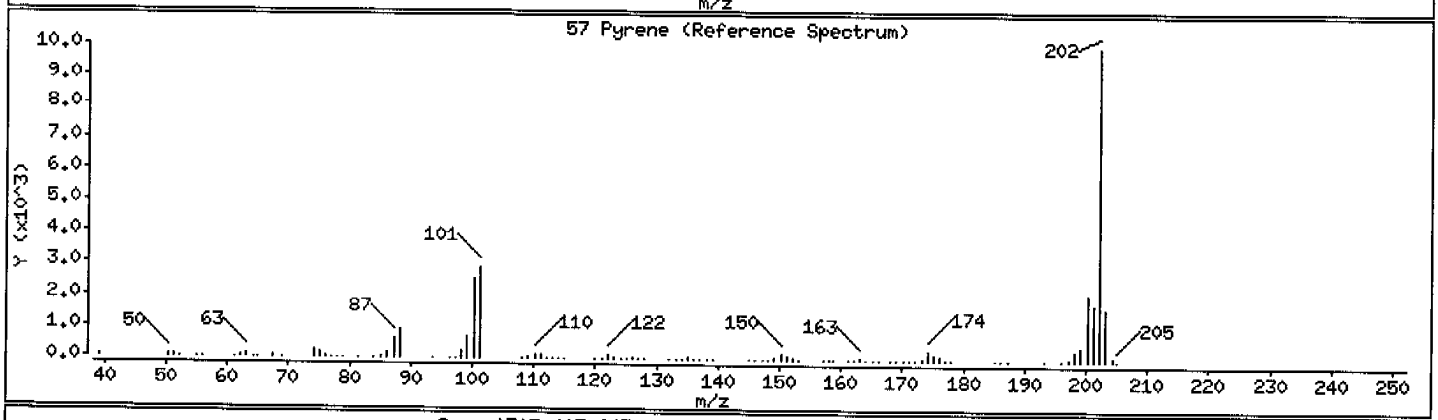
Operator: BNAMS 4

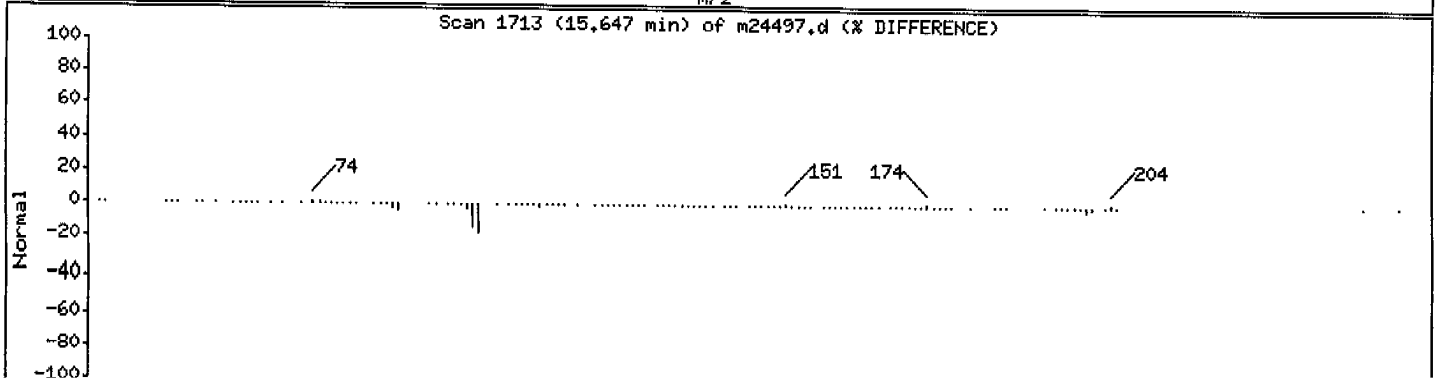
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 270 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

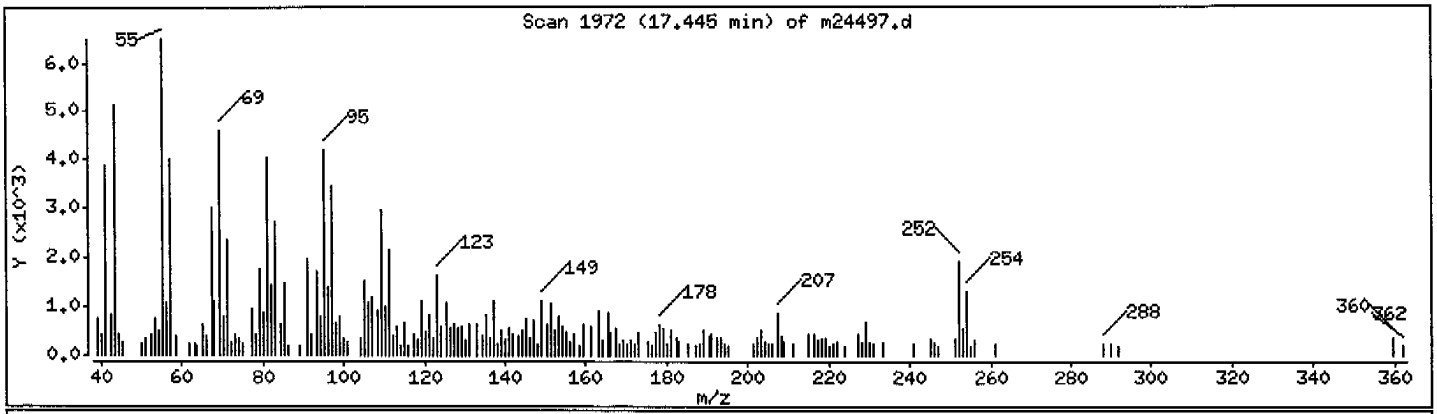
Client ID: MW4-SS01 Instrument: BNAMS6.i

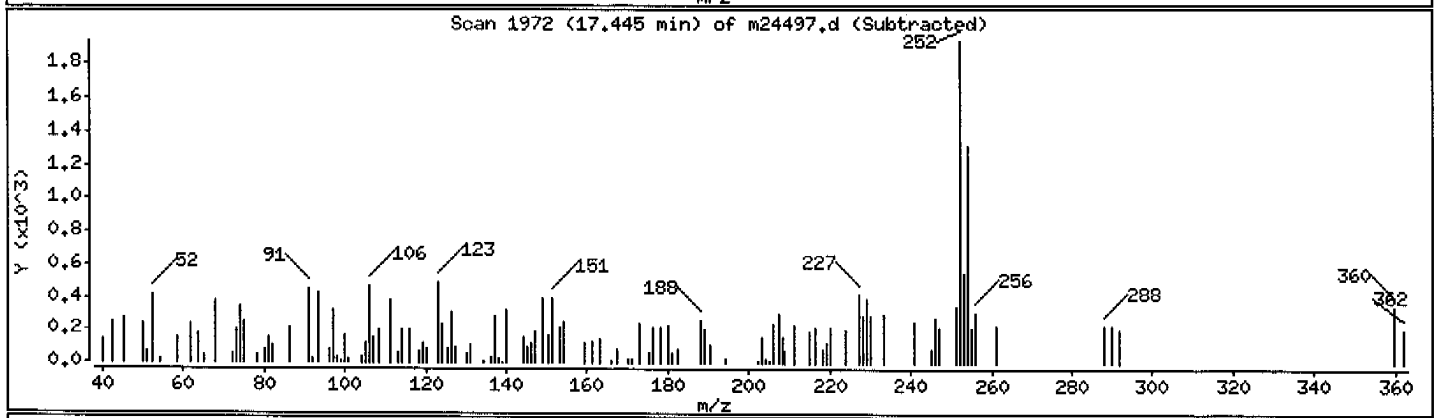
Sample Info: 765876;3208865

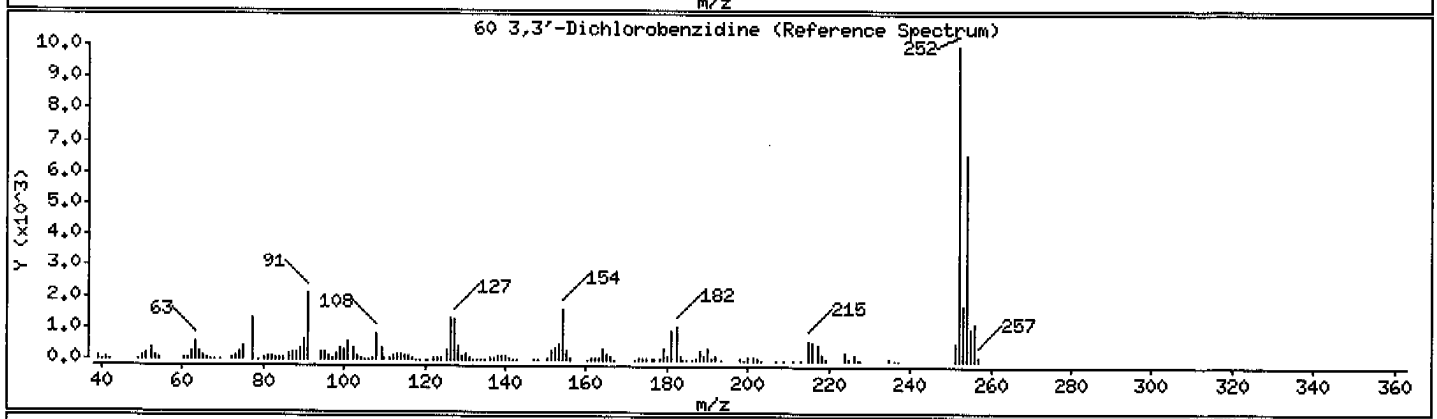
Operator: BNAMS 4

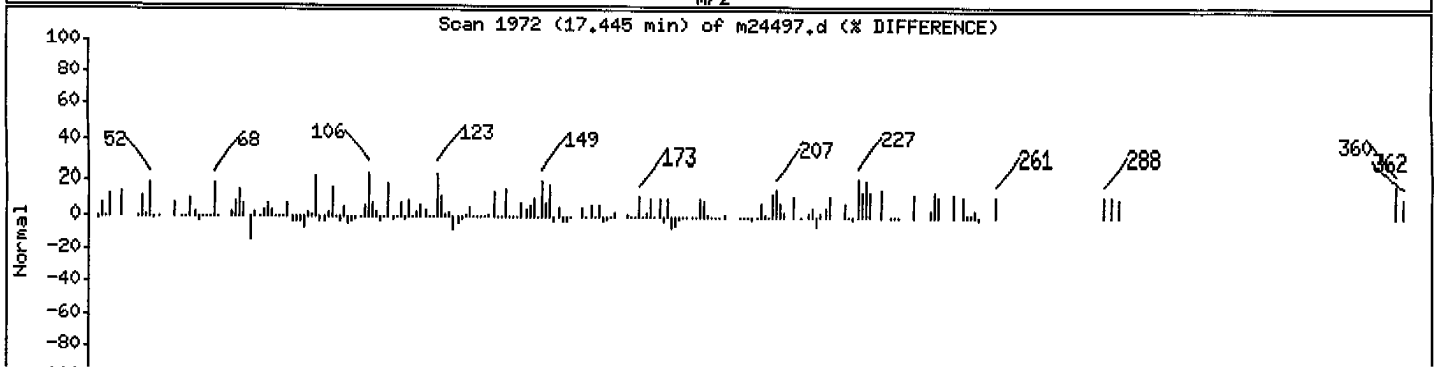
Column phase: DB-5 Column diameter: 0.25

60 3,3'-Dichlorobenzidine Concentration: 54 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

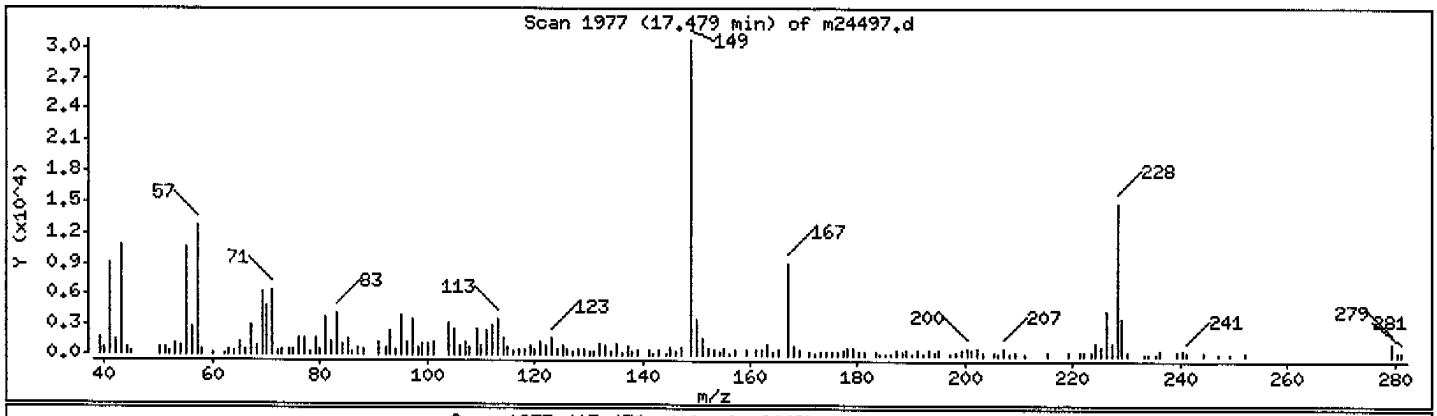
Client ID: MW4-SS01 Instrument: BNAMS6.i

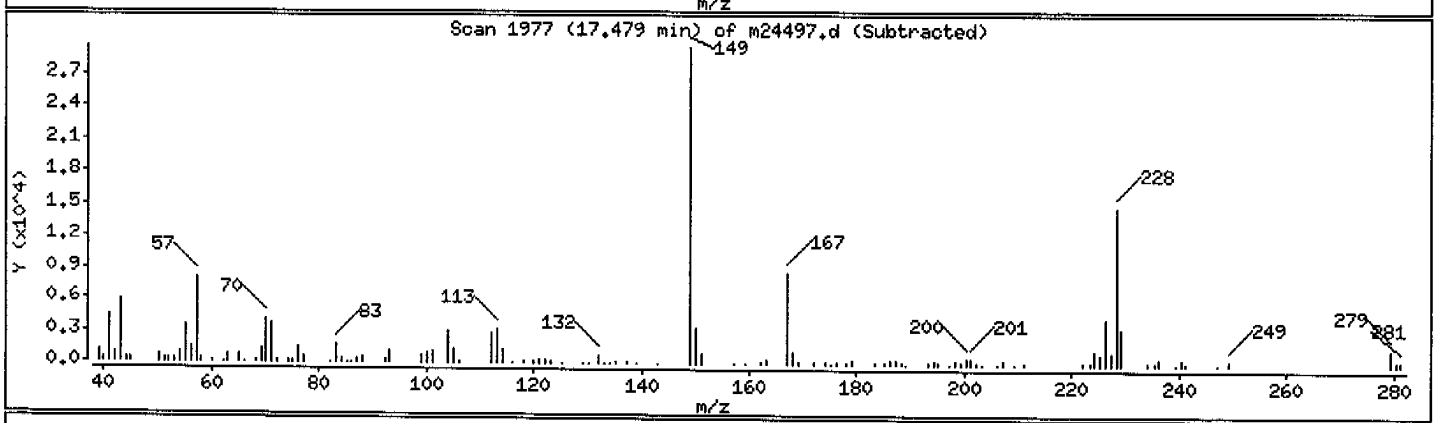
Sample Info: 765876;3208865

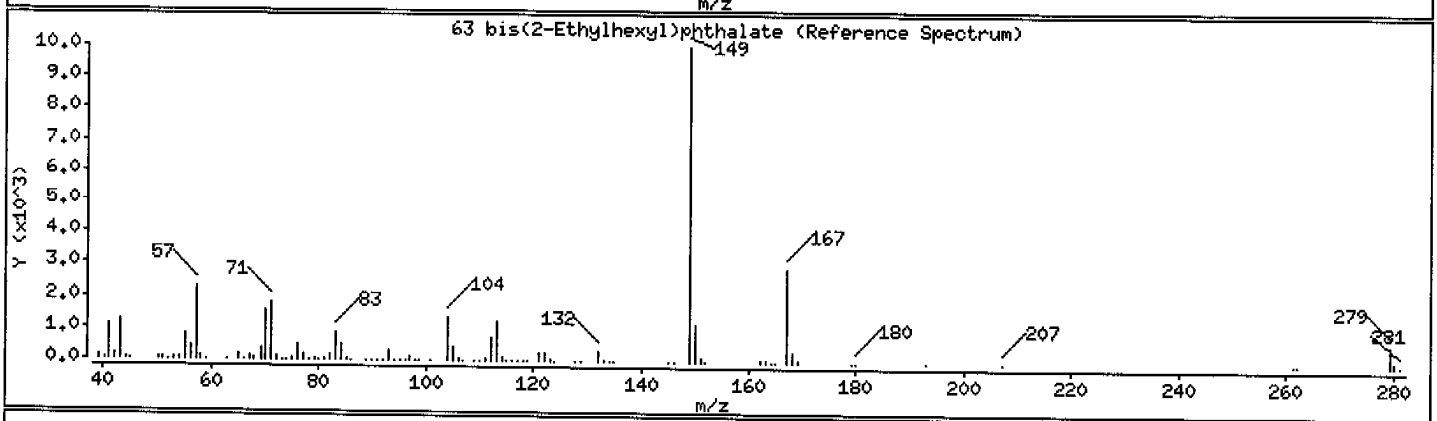
Operator: BNAMS 4

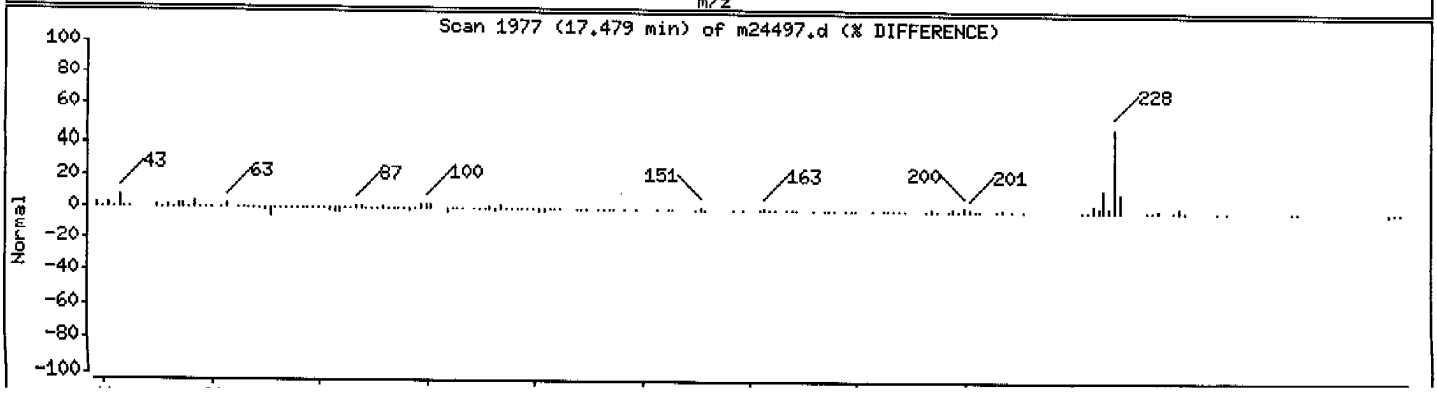
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 180 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

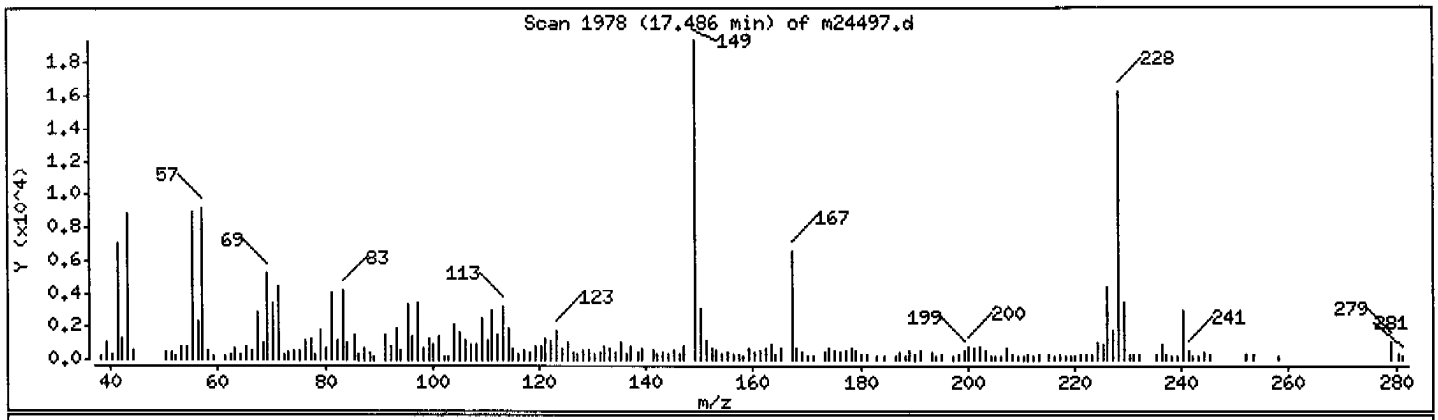
Client ID: MW4-SS01 Instrument: BNAMS6.i

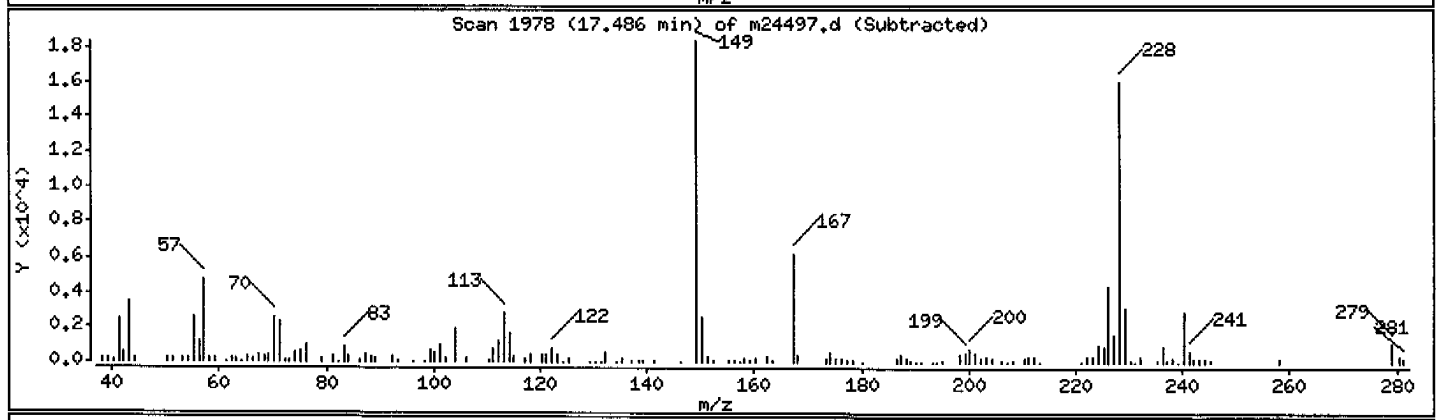
Sample Info: 765876;3208865

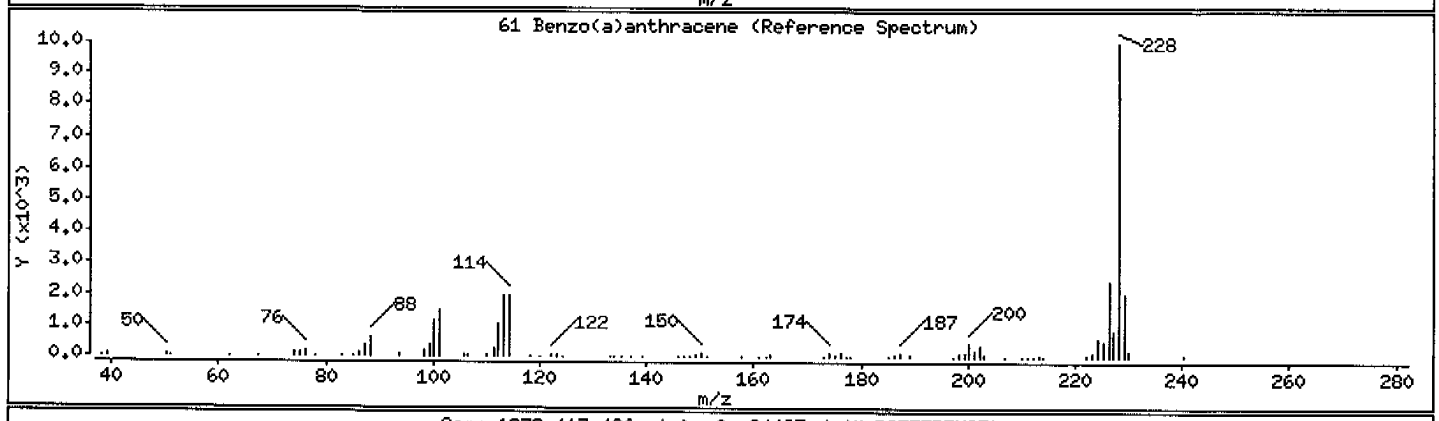
Operator: BNAMS 4

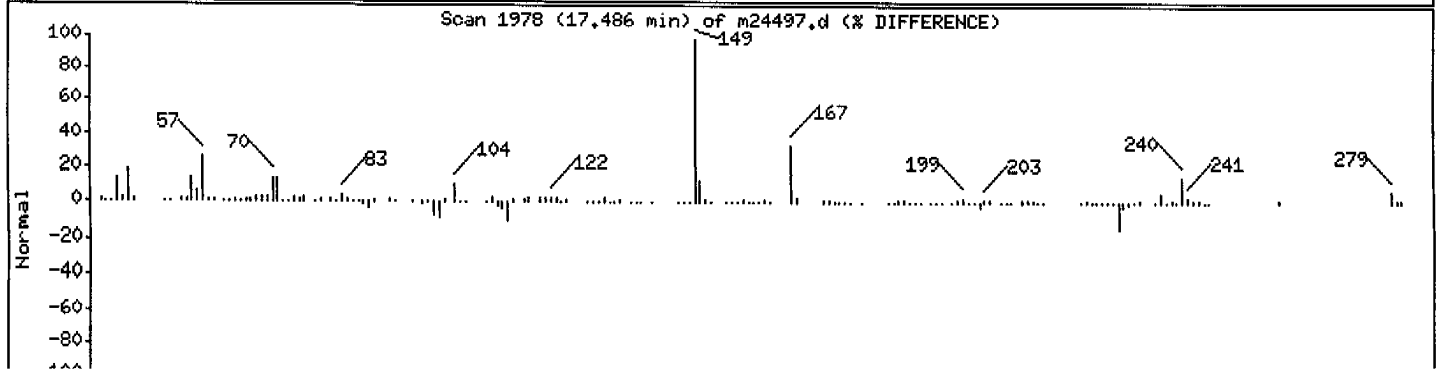
Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 150 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

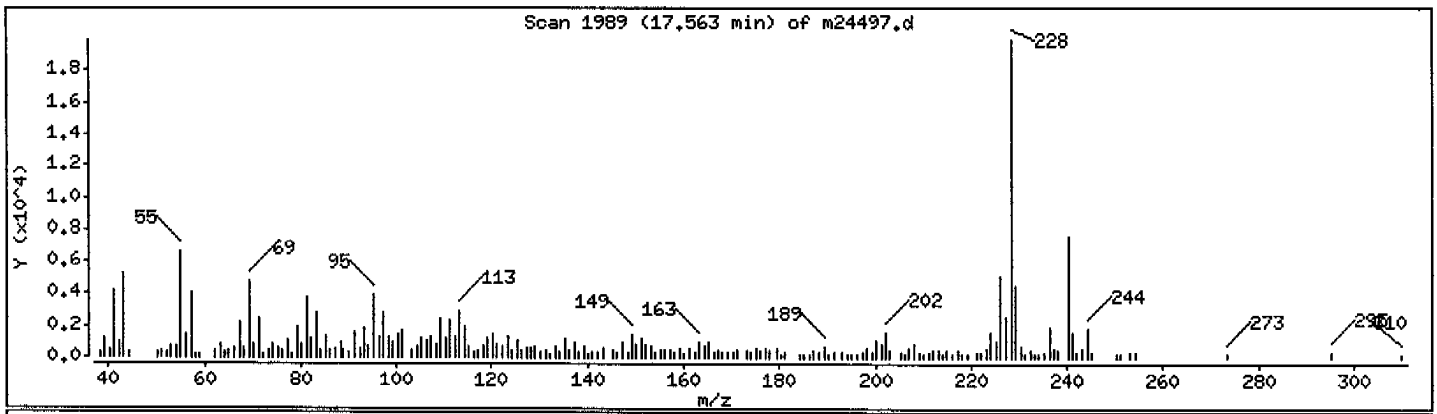
Client ID: MW4-SS01 Instrument: BNAMS6.i

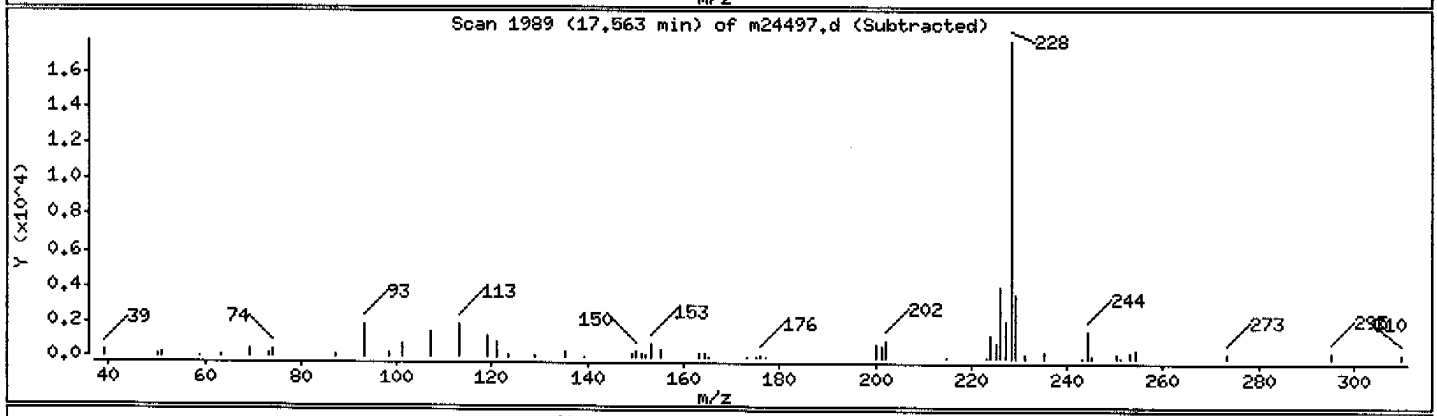
Sample Info: 765876;3208865

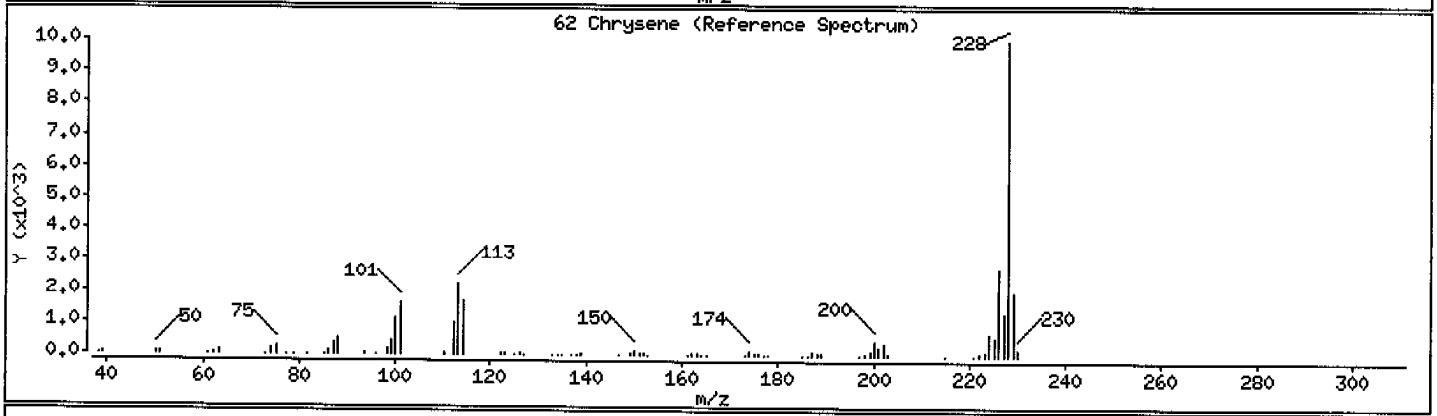
Operator: BNAMS 4

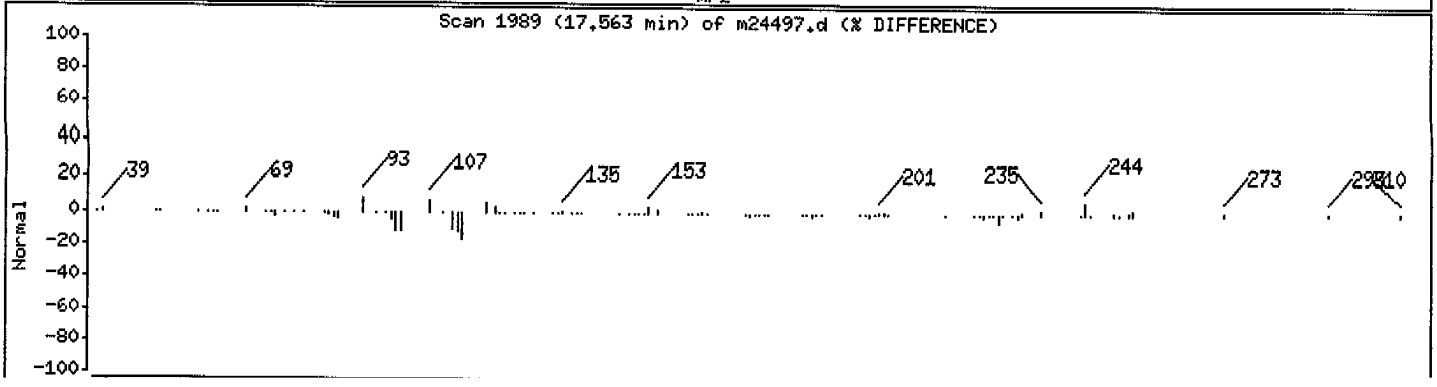
Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 180 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

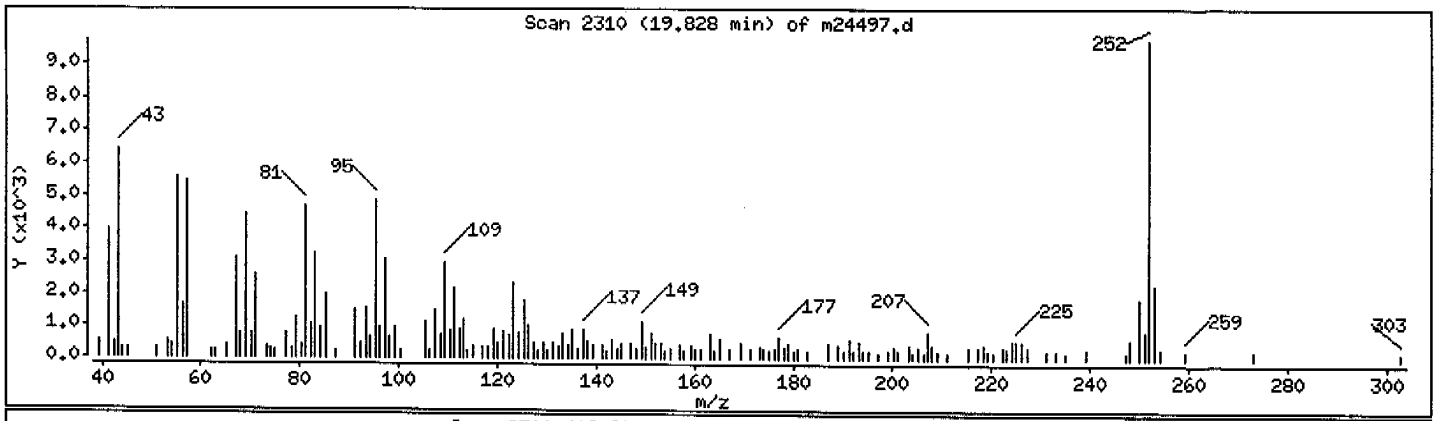
Client ID: MW4-SS01 Instrument: BNAMS6.i

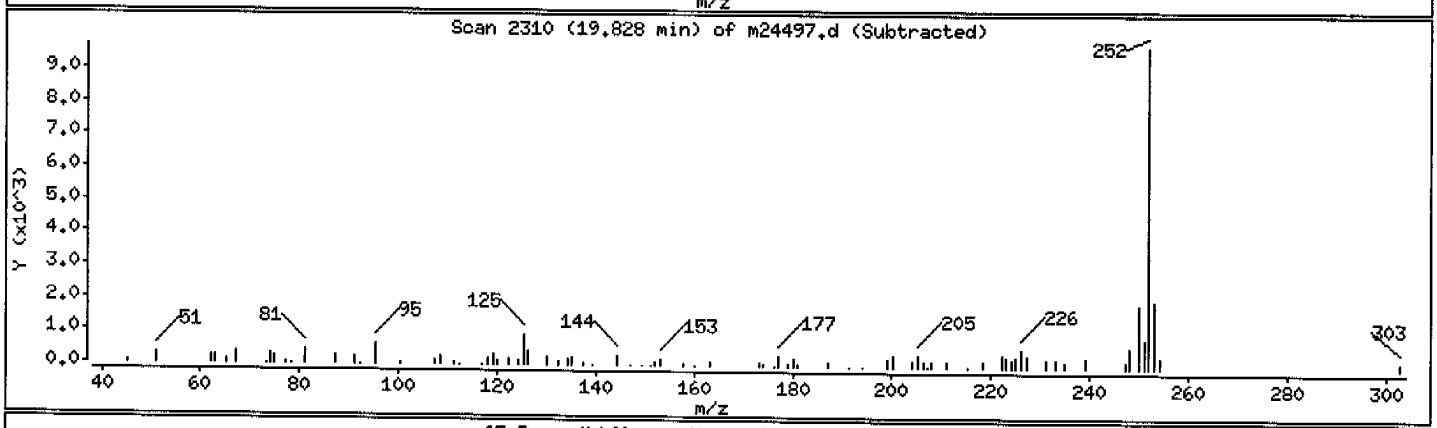
Sample Info: 765876;3208865

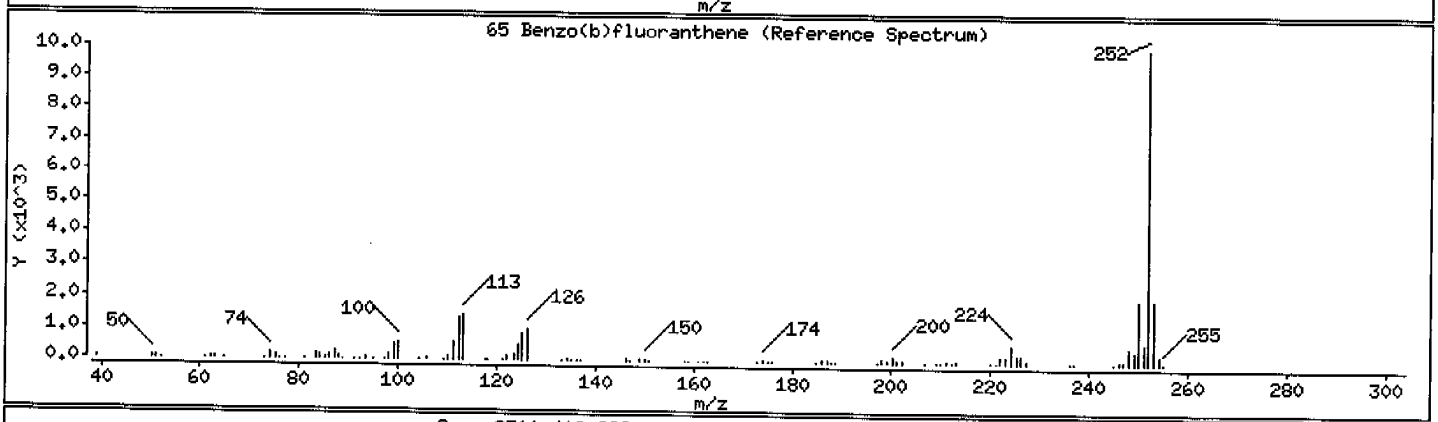
Operator: BNAMS 4

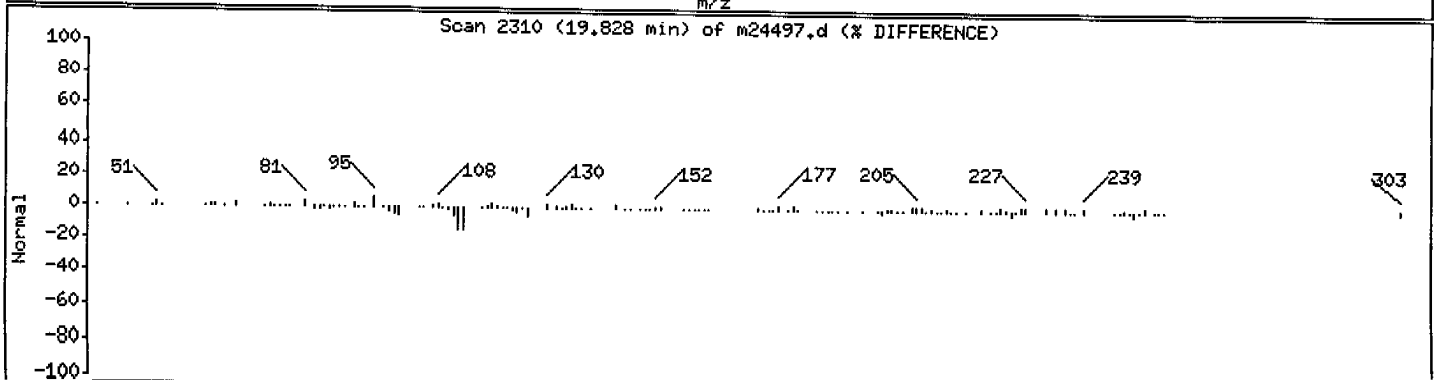
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 170 ug/Kg









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Date : 05-SEP-2006 18:38

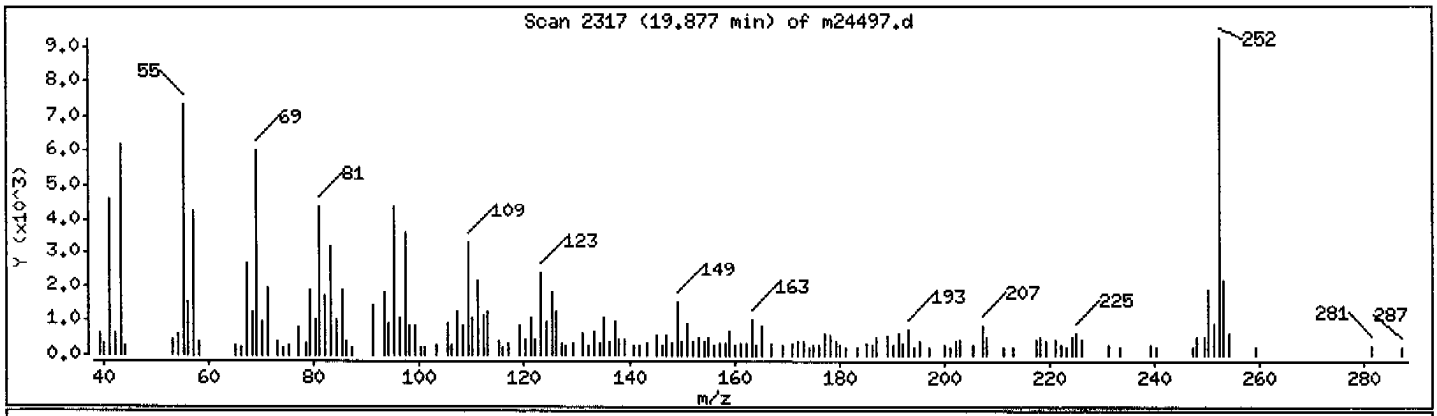
Client ID: MW4-SS01 Instrument: BNAMS6.i

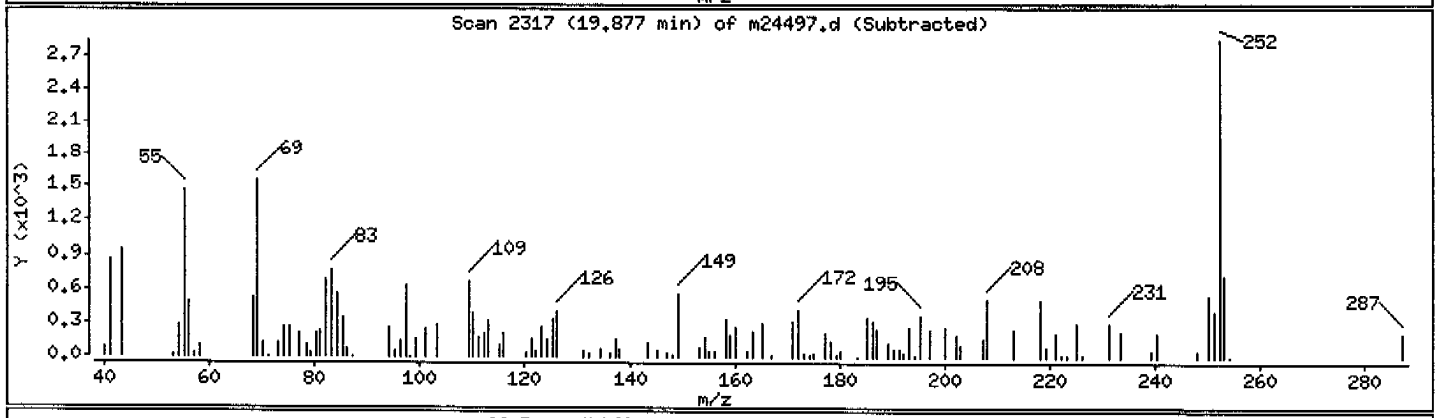
Sample Info: 765876;3208865

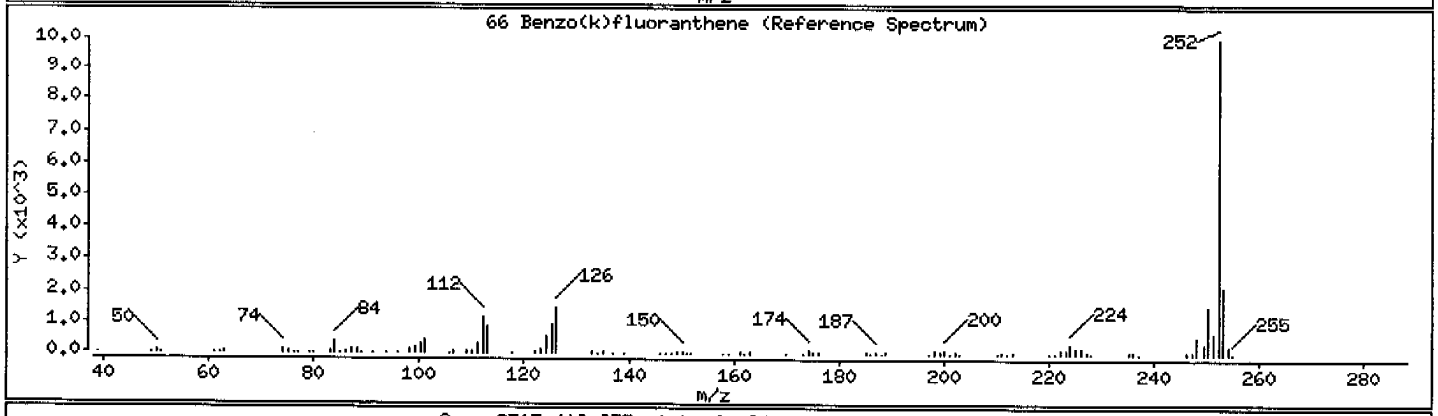
Operator: BNAMS 4

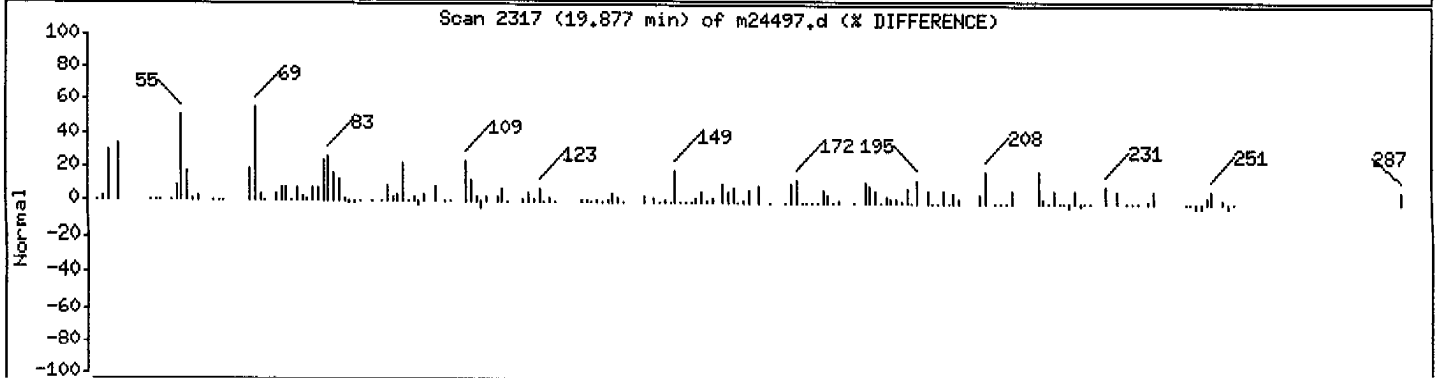
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 180 ug/Kg









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Date : 05-SEP-2006 18:38

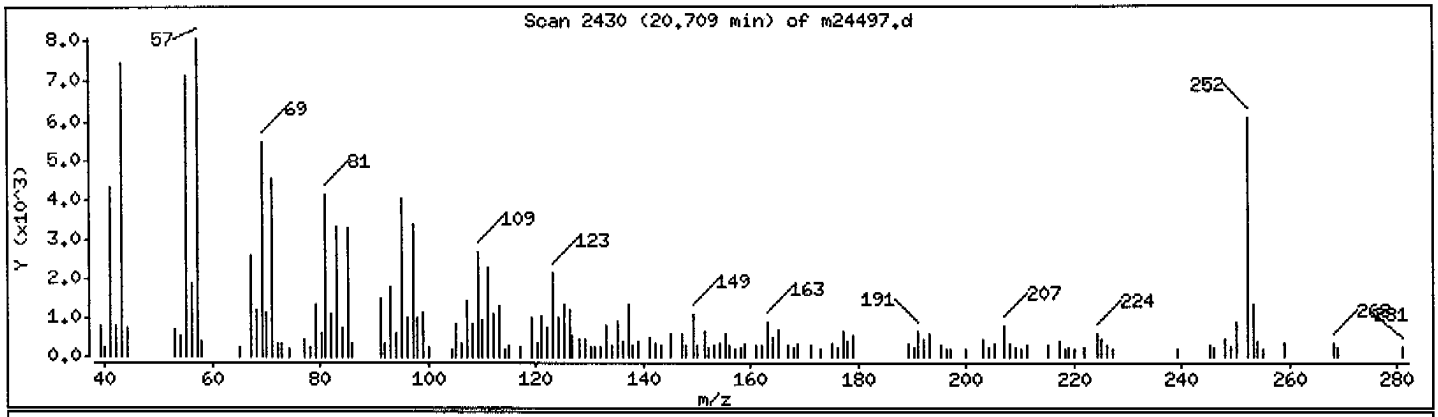
Client ID: MW4-SS01 Instrument: BNAMS6.i

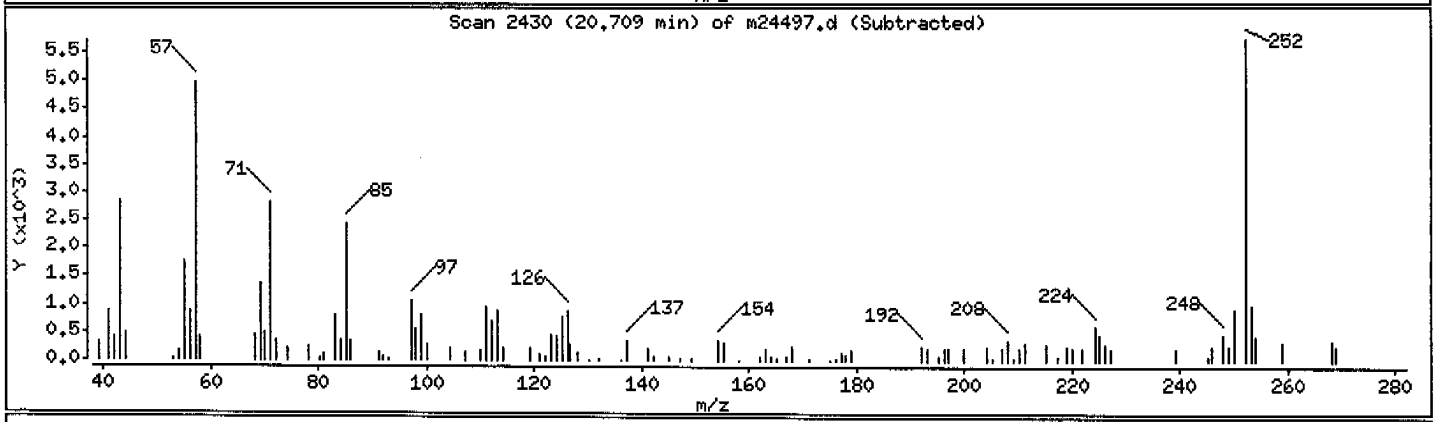
Sample Info: 765876;3208865

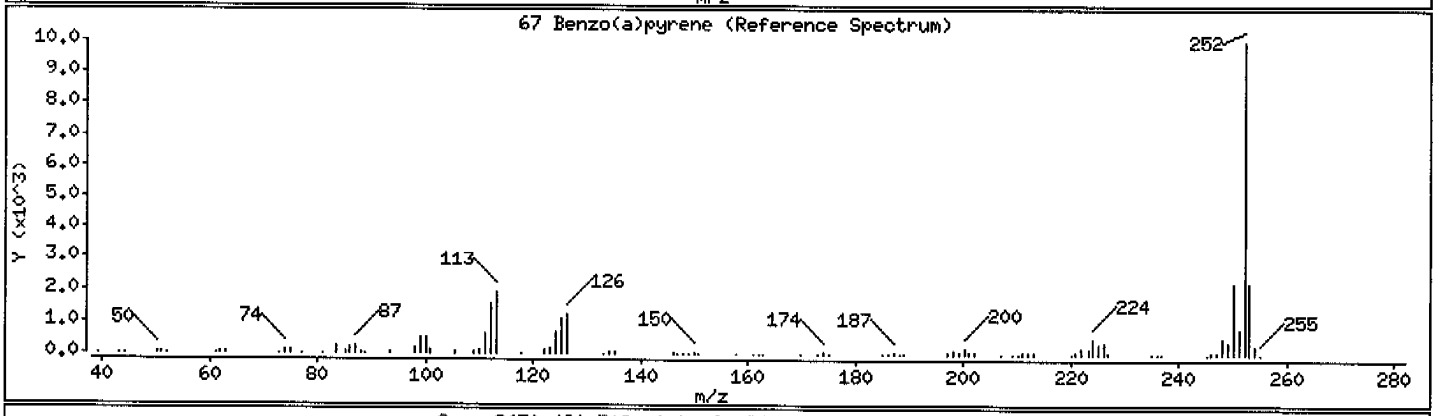
Operator: BNAMS 4

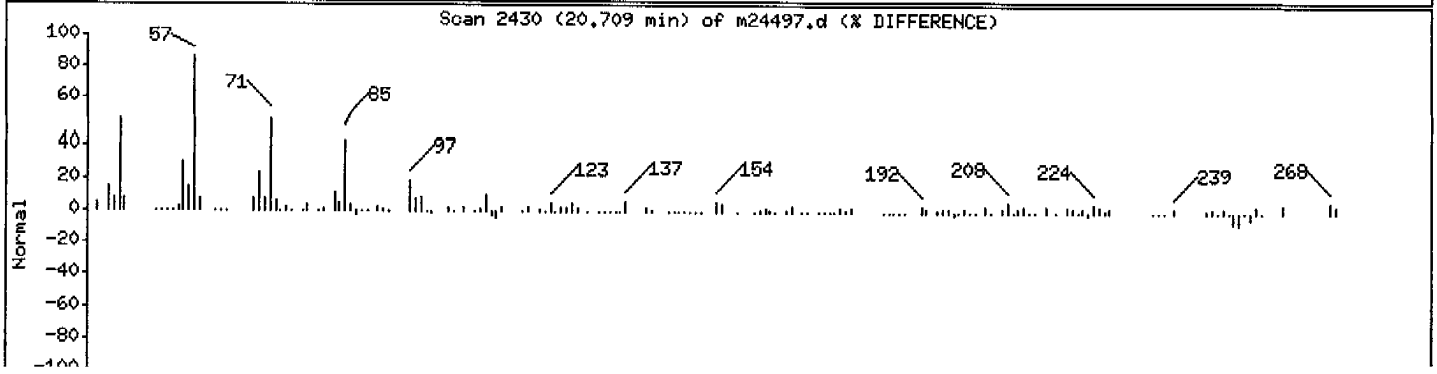
Column phase: DB-5 Column diameter: 0.25

67 Benzo(a)pyrene Concentration: 160 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

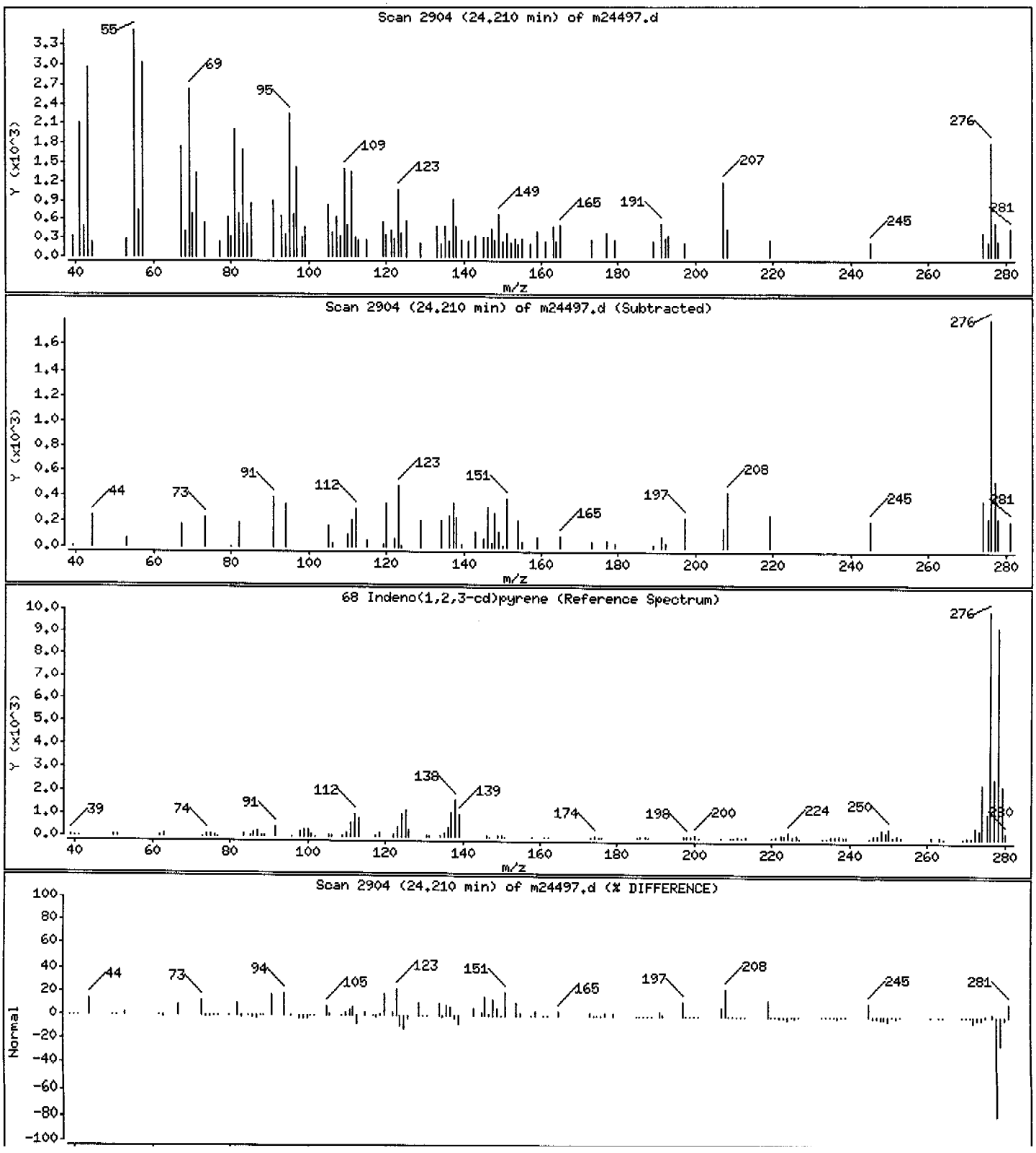
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene Concentration: 51 ug/Kg



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Date : 05-SEP-2006 18:38

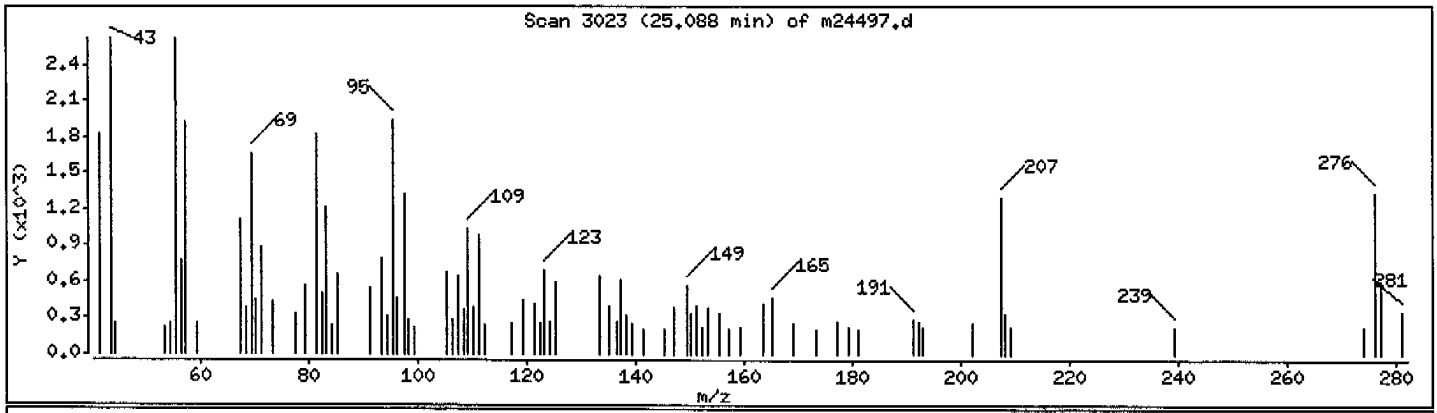
Client ID: MW4-SS01 Instrument: BNAMS6.i

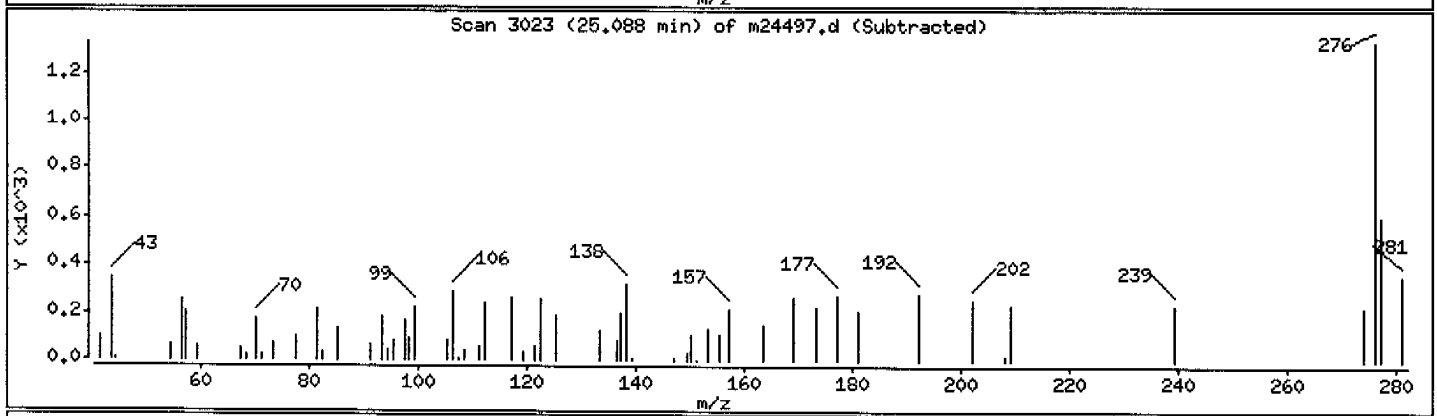
Sample Info: 765876;3208865

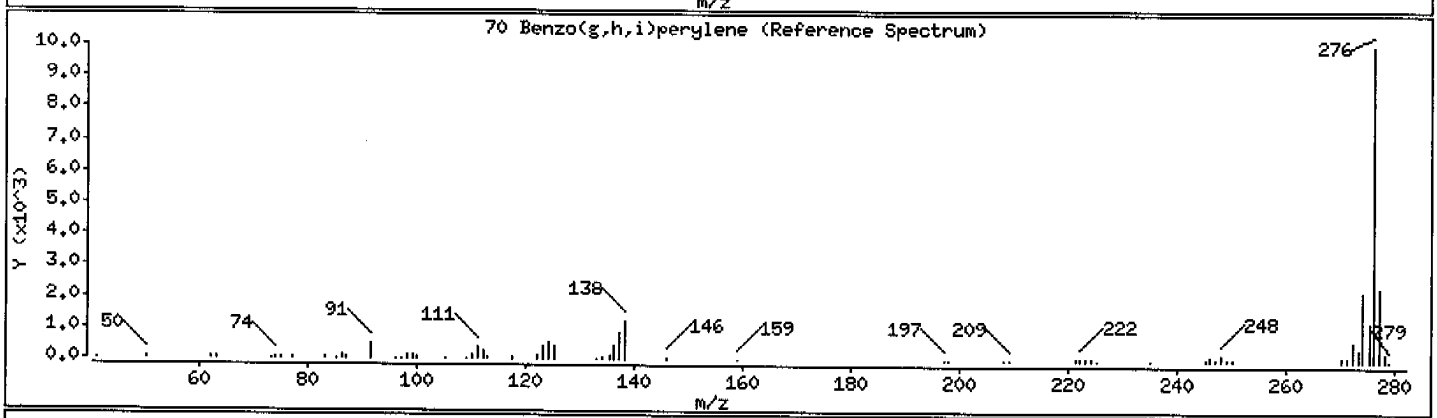
Operator: BNAMS 4

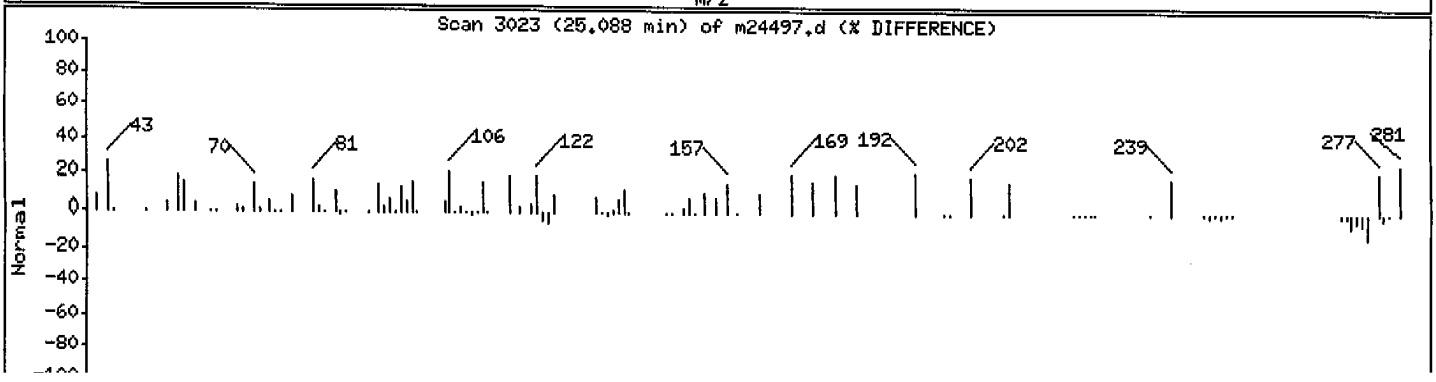
Column phase: DB-5 Column diameter: 0.25

70 Benzo(g,h,i)perylene Concentration: 48 ug/Kg









Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

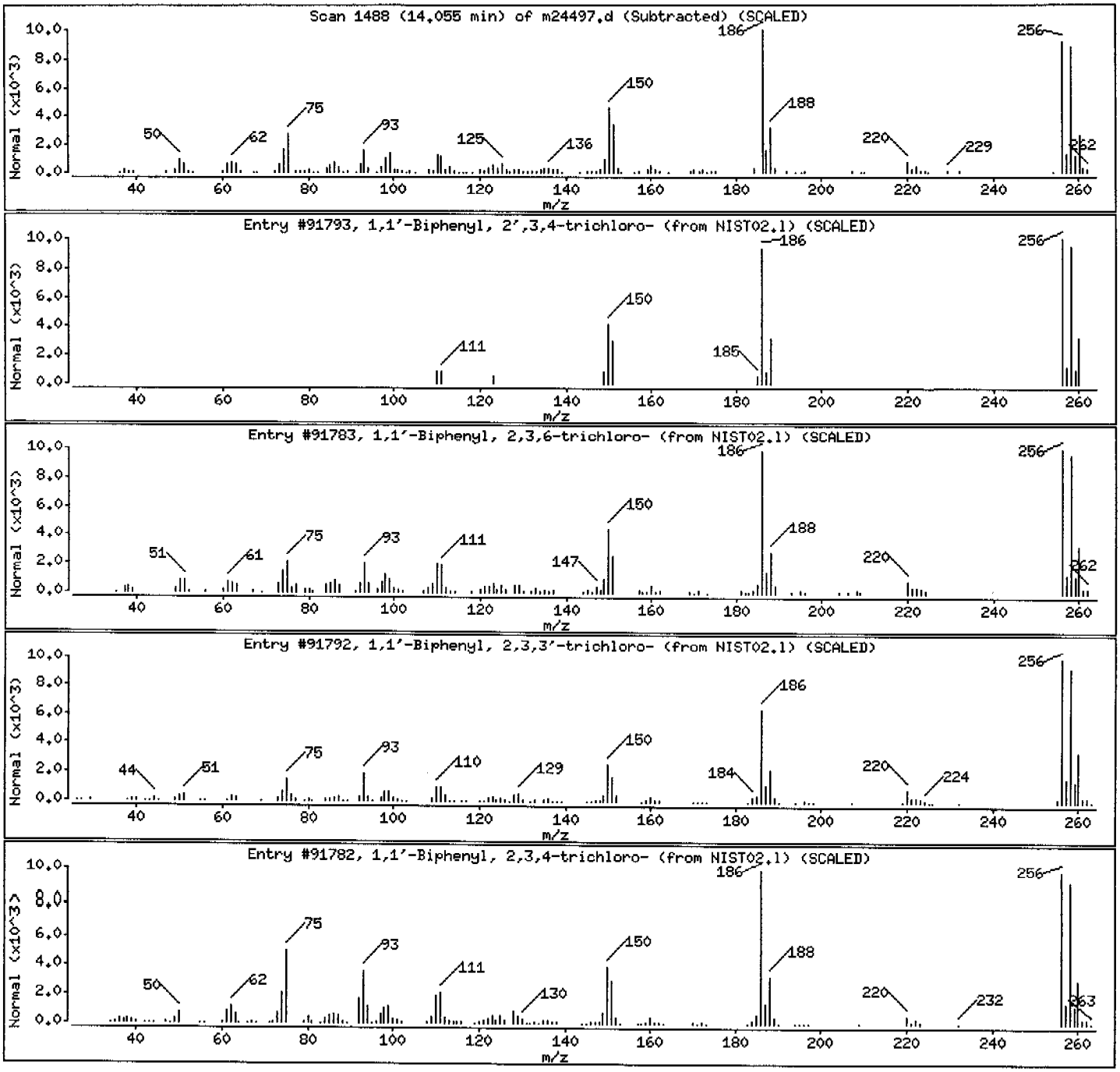
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trichloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2',3,4-trichloro-	38444-86-9	NIST02.l	91793	98	C12H7Cl3	256
1,1'-Biphenyl, 2,3,6-trichloro-	55702-45-9	NIST02.l	91783	97	C12H7Cl3	256
1,1'-Biphenyl, 2,3,3'-trichloro-	38444-84-7	NIST02.l	91792	97	C12H7Cl3	256
1,1'-Biphenyl, 2,3,4-trichloro-	55702-46-0	NIST02.l	91782	96	C12H7Cl3	256



Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

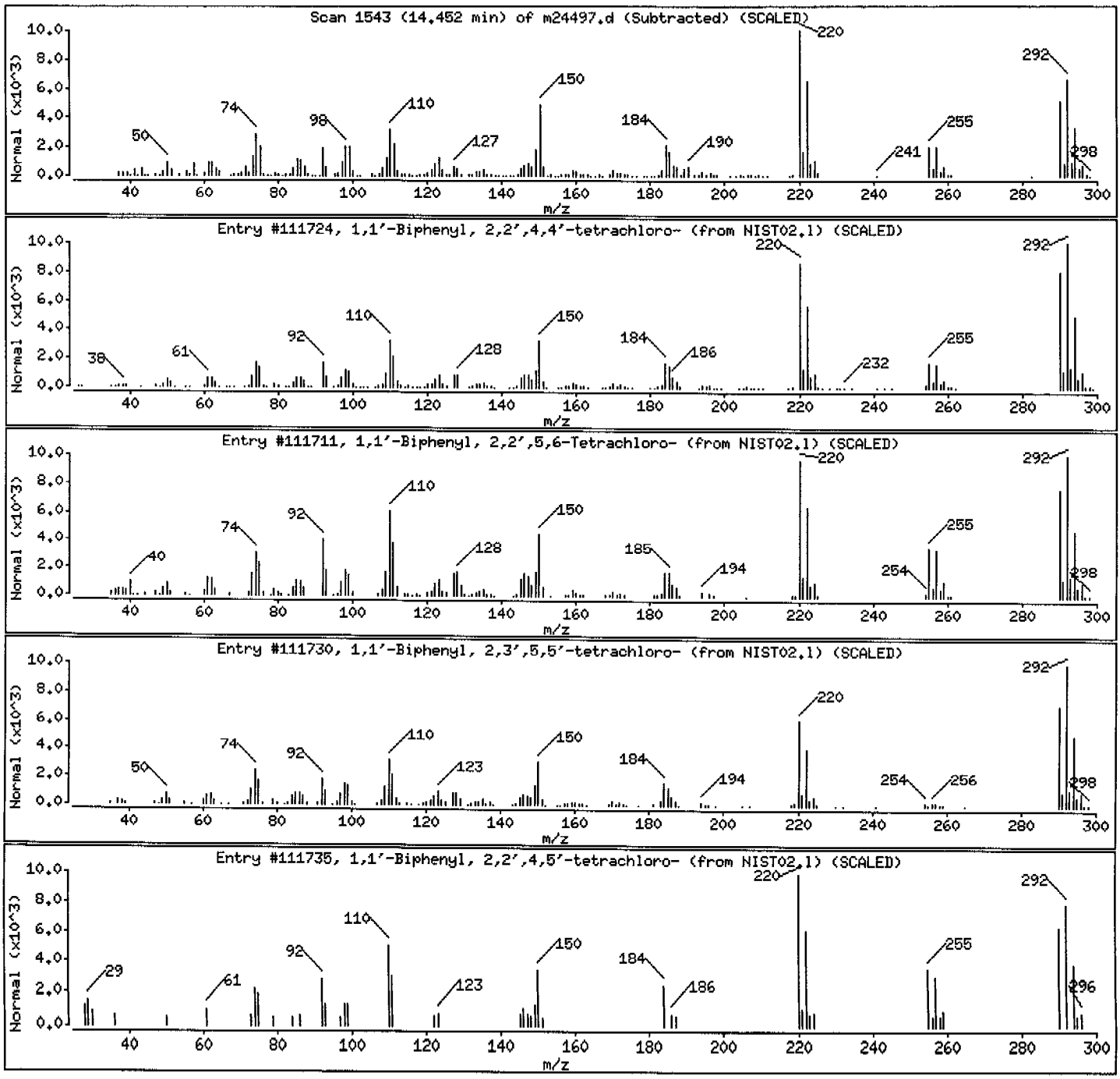
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	2437-79-8	NIST02.l	111724	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	41464-41-9	NIST02.l	111711	98	C12H6Cl4	290
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	98	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111735	97	C12H6Cl4	290



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Date : 05-SEP-2006 18:38

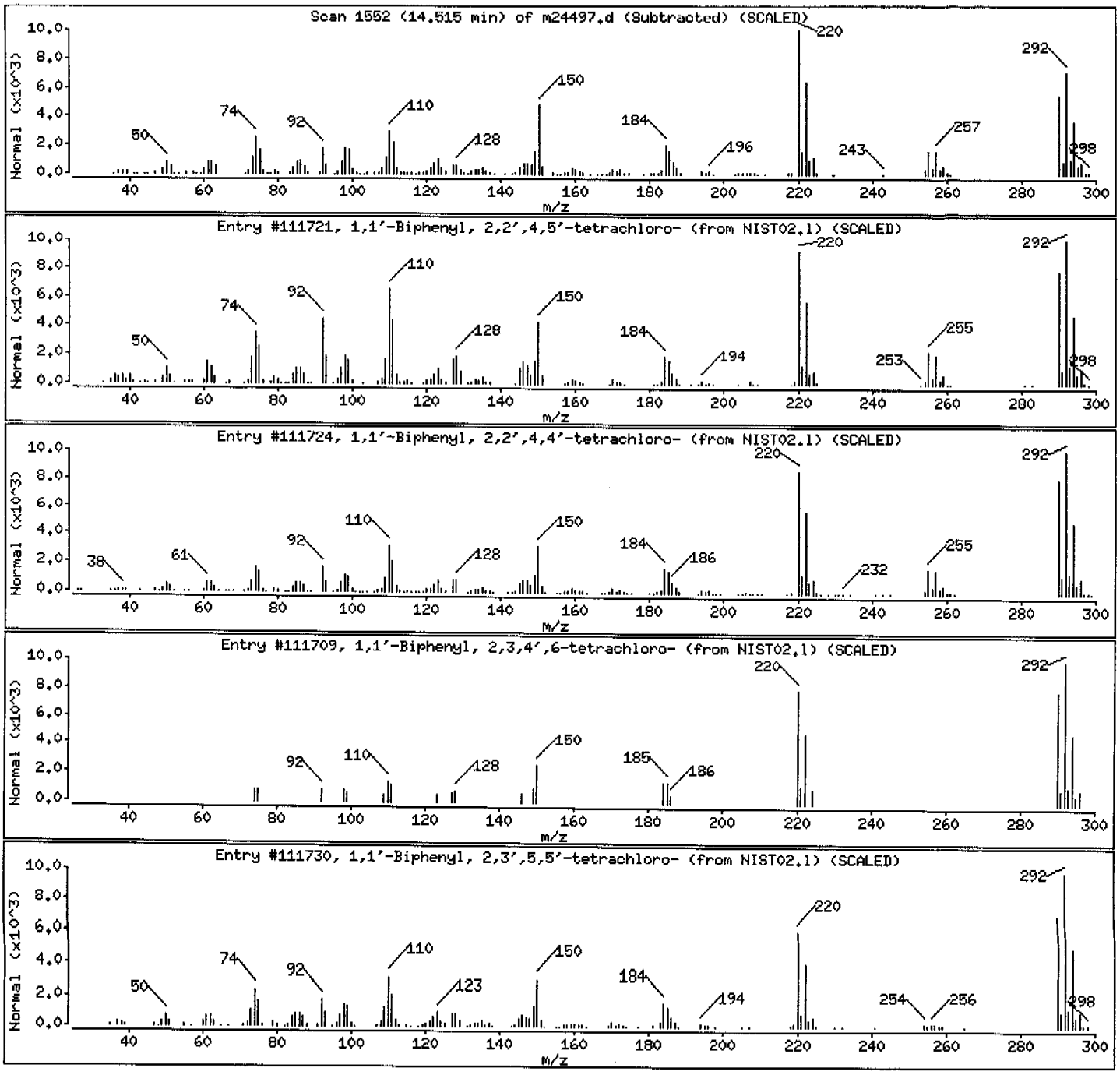
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	2437-79-8	NIST02.l	111724	98	C12H6Cl4	290
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	97	C12H6Cl4	290
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	96	C12H6Cl4	290



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Date : 05-SEP-2006 18:38

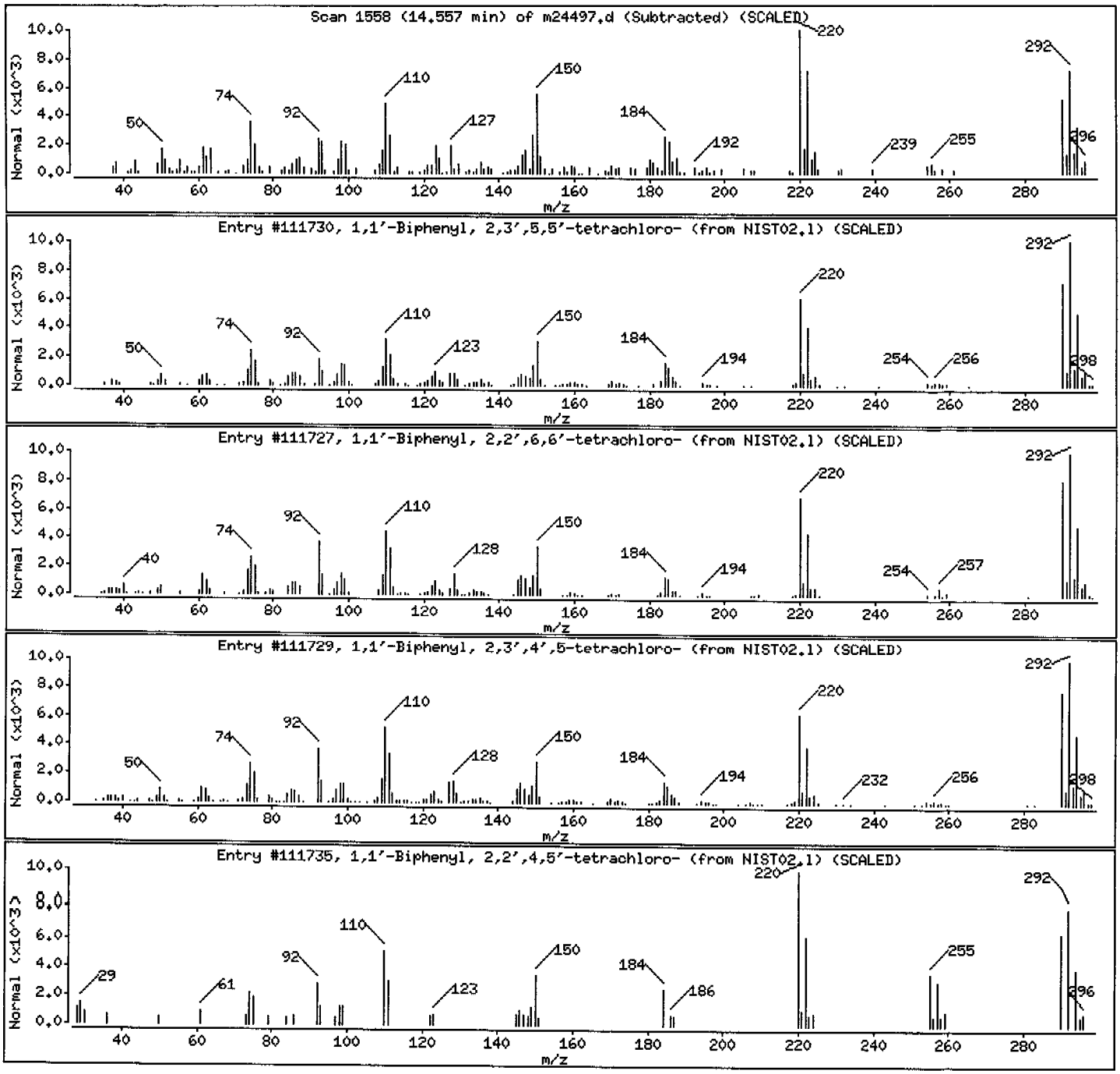
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	15968-05-5	NIST02.l	111727	98	C12H6Cl4	290
1,1'-Biphenyl, 2,3',4',5-tetrachloro-	32598-11-1	NIST02.l	111729	97	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111735	95	C12H6Cl4	290



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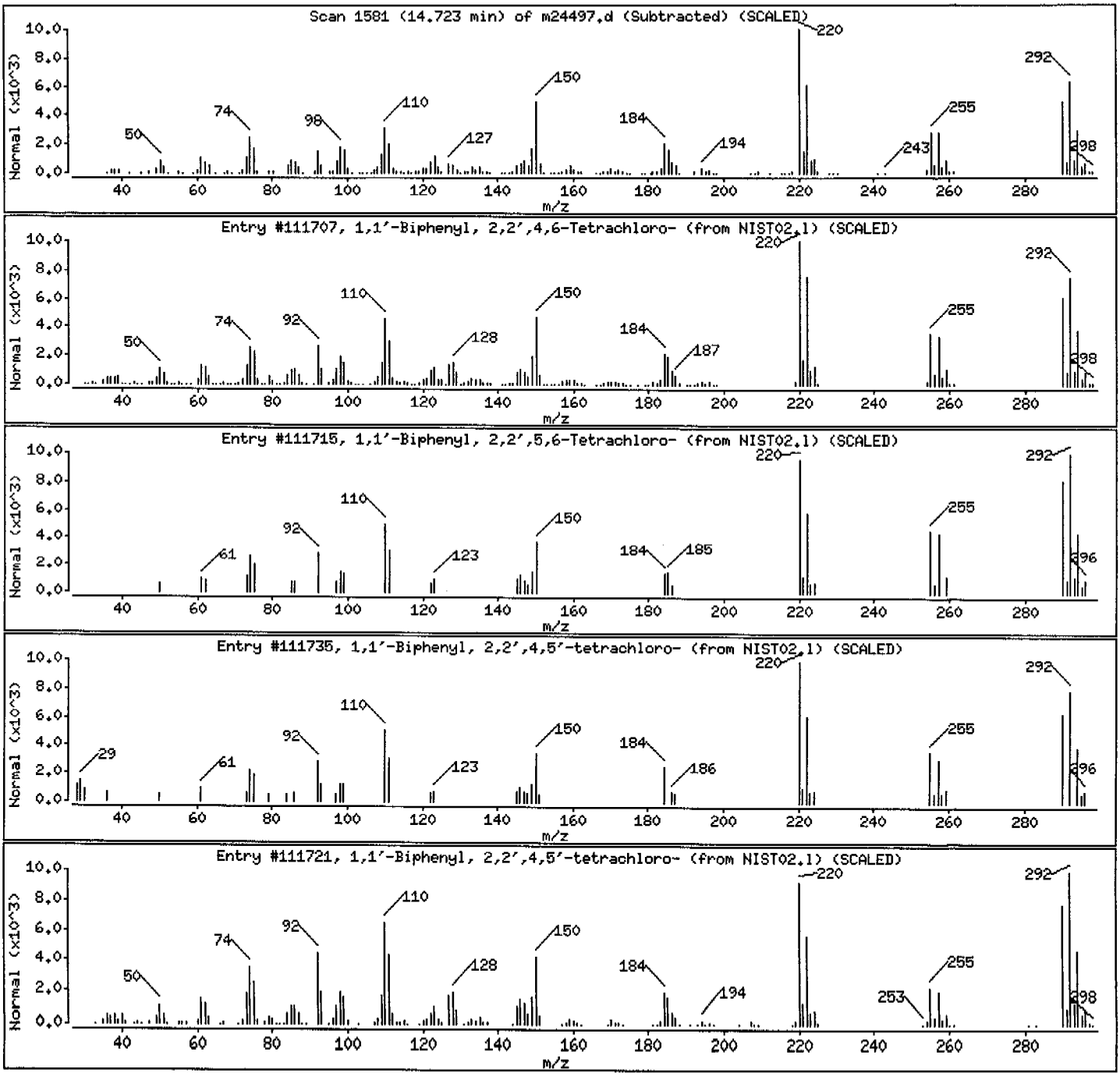
Date : 05-SEP-2006 18:38

Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	62796-65-0	NIST02.l	111707	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	41464-41-9	NIST02.l	111715	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111735	98	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	98	C12H6Cl4	290



Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

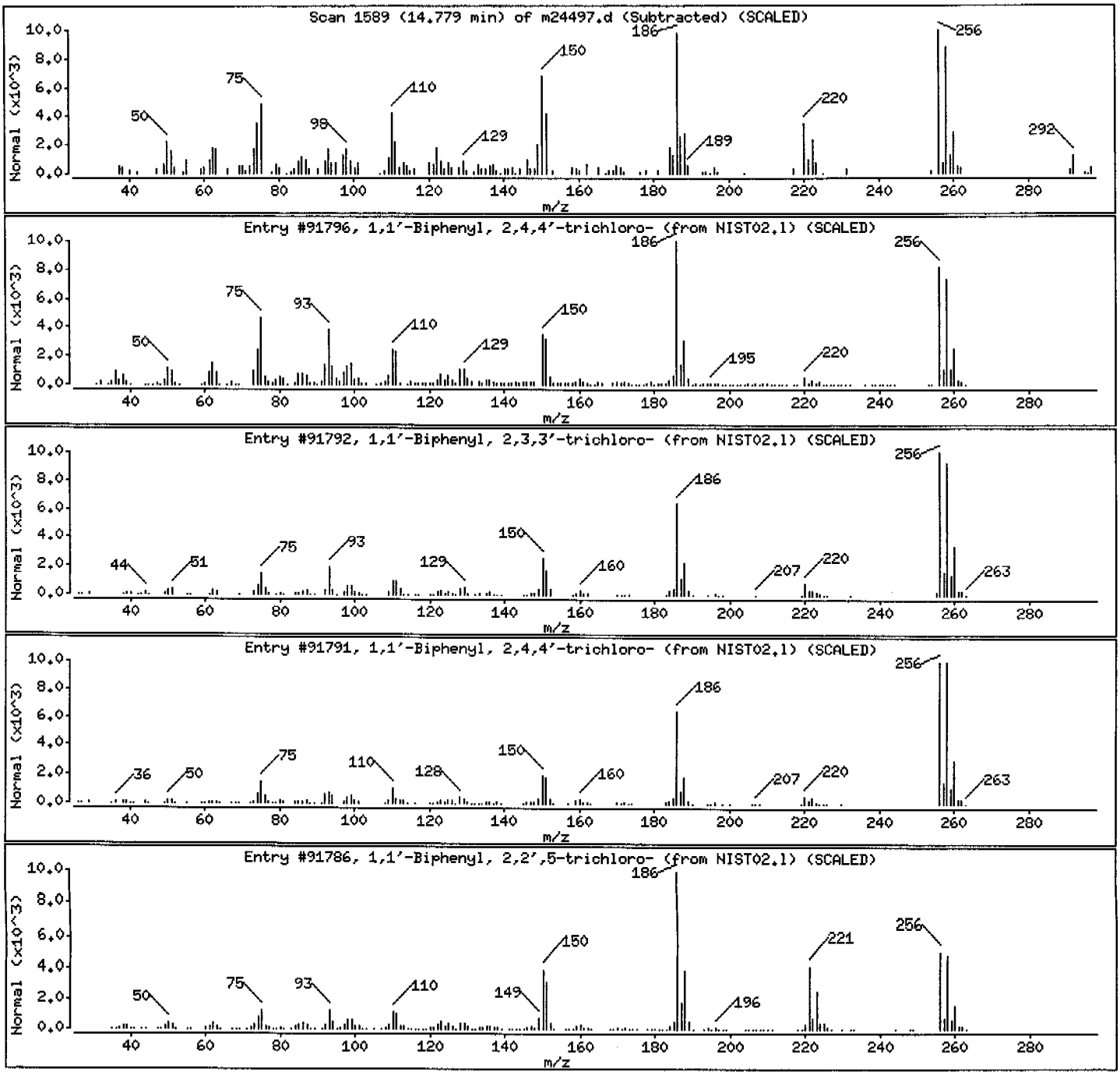
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trichloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,4,4'-trichloro-	7012-37-5	NIST02.l	91796	93	C12H7Cl3	256
1,1'-Biphenyl, 2,3,3'-trichloro-	38444-84-7	NIST02.l	91792	93	C12H7Cl3	256
1,1'-Biphenyl, 2,4,4'-trichloro-	7012-37-5	NIST02.l	91791	93	C12H7Cl3	256
1,1'-Biphenyl, 2,2',5-trichloro-	37680-65-2	NIST02.l	91786	93	C12H7Cl3	256



Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24497.d

Date : 05-SEP-2006 18:38

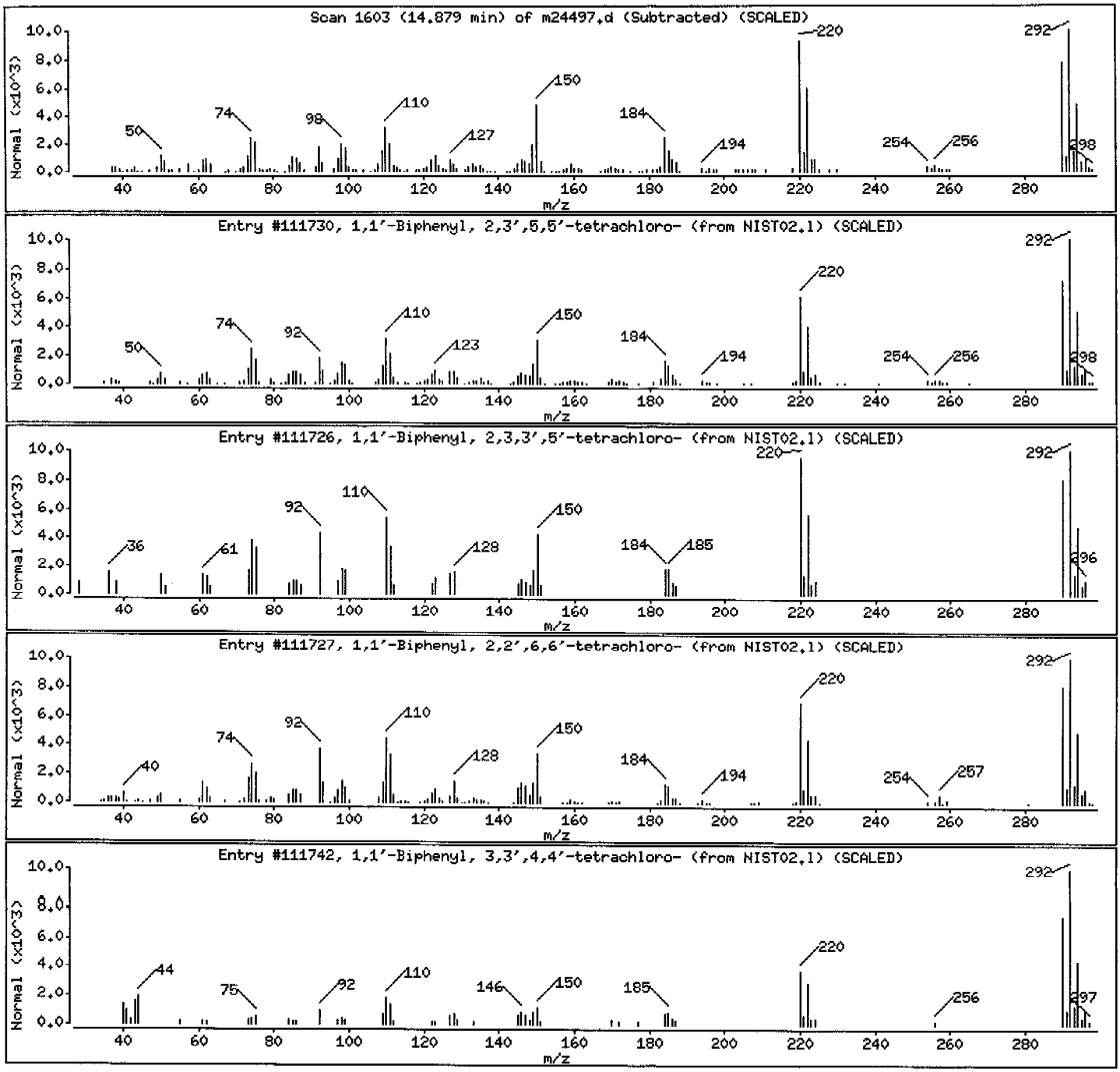
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	41464-49-7	NIST02.l	111726	98	C12H6Cl4	290
1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	15968-05-5	NIST02.l	111727	98	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	97	C12H6Cl4	290



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Date : 05-SEP-2006 18:38

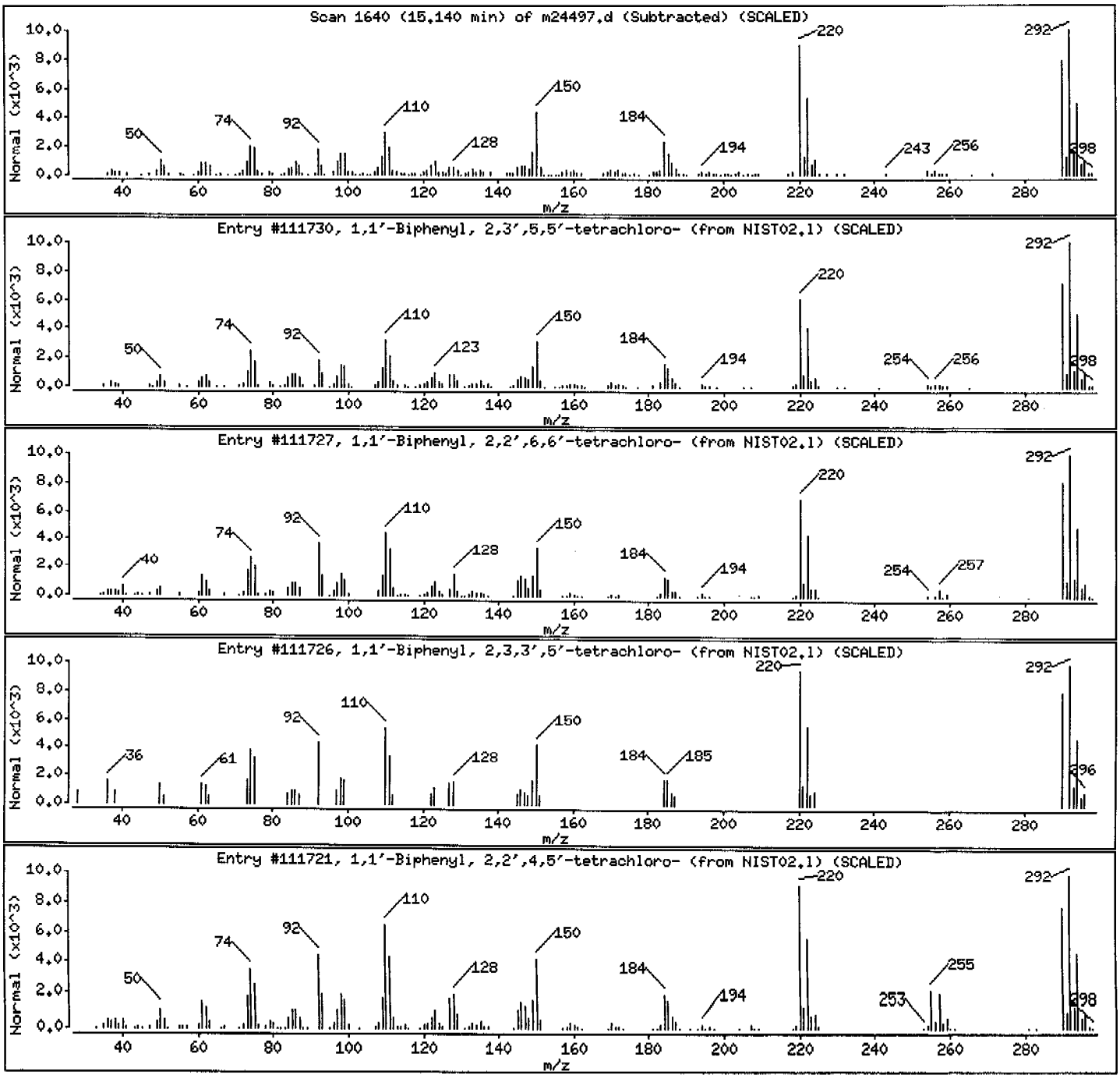
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	15968-05-5	NIST02.l	111727	98	C12H6Cl4	290
1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	41464-49-7	NIST02.l	111726	98	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	96	C12H6Cl4	290



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Date : 05-SEP-2006 18:38

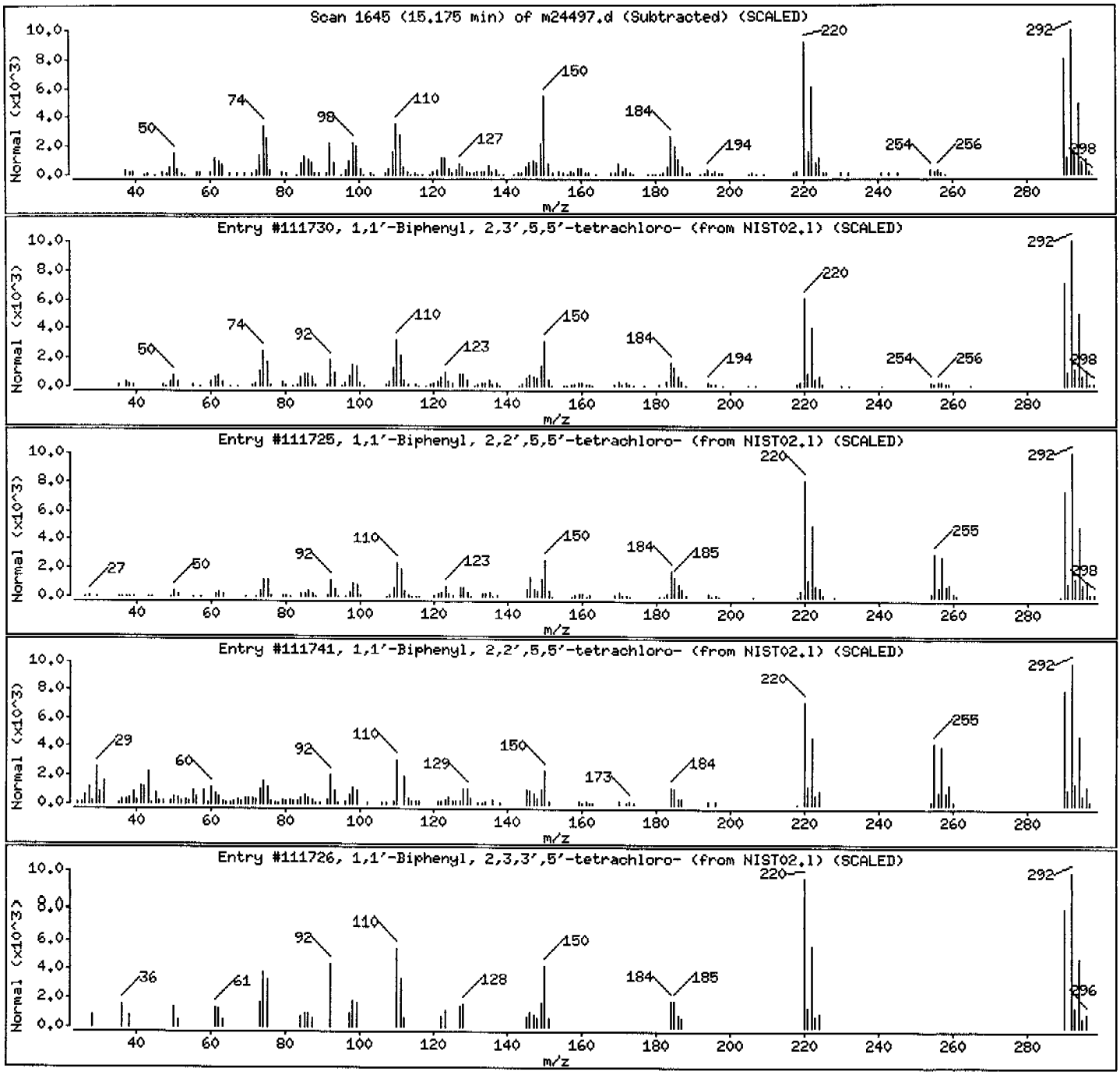
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	35693-99-3	NIST02.l	111725	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	35693-99-3	NIST02.l	111741	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	41464-49-7	NIST02.l	111726	98	C12H6Cl4	290



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Date : 05-SEP-2006 18:38

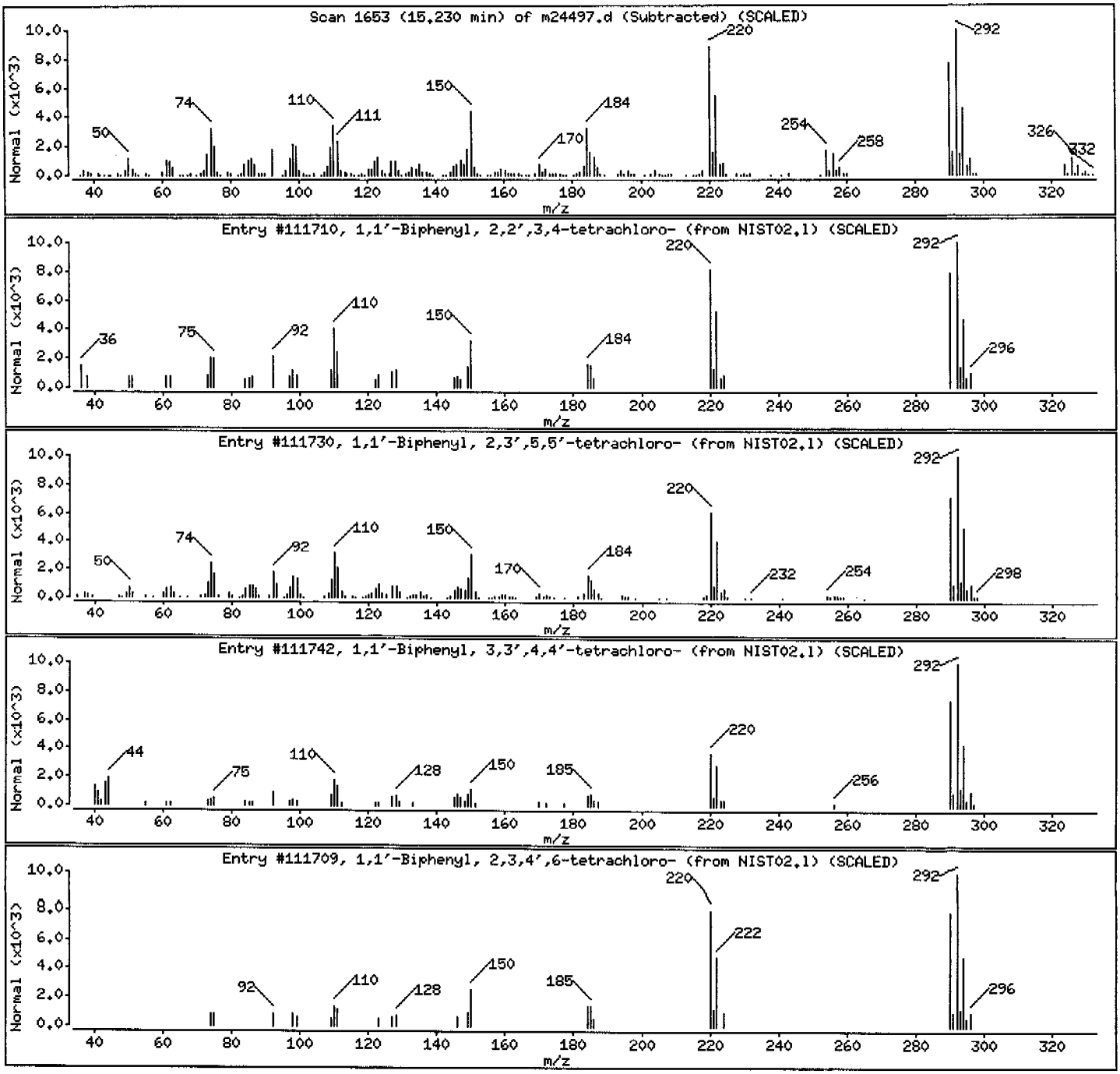
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,2',3,4-tetrachloro-	52663-59-9	NIST02.l	111710	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	99	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	99	C12H6Cl4	290



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Date : 05-SEP-2006 18:38

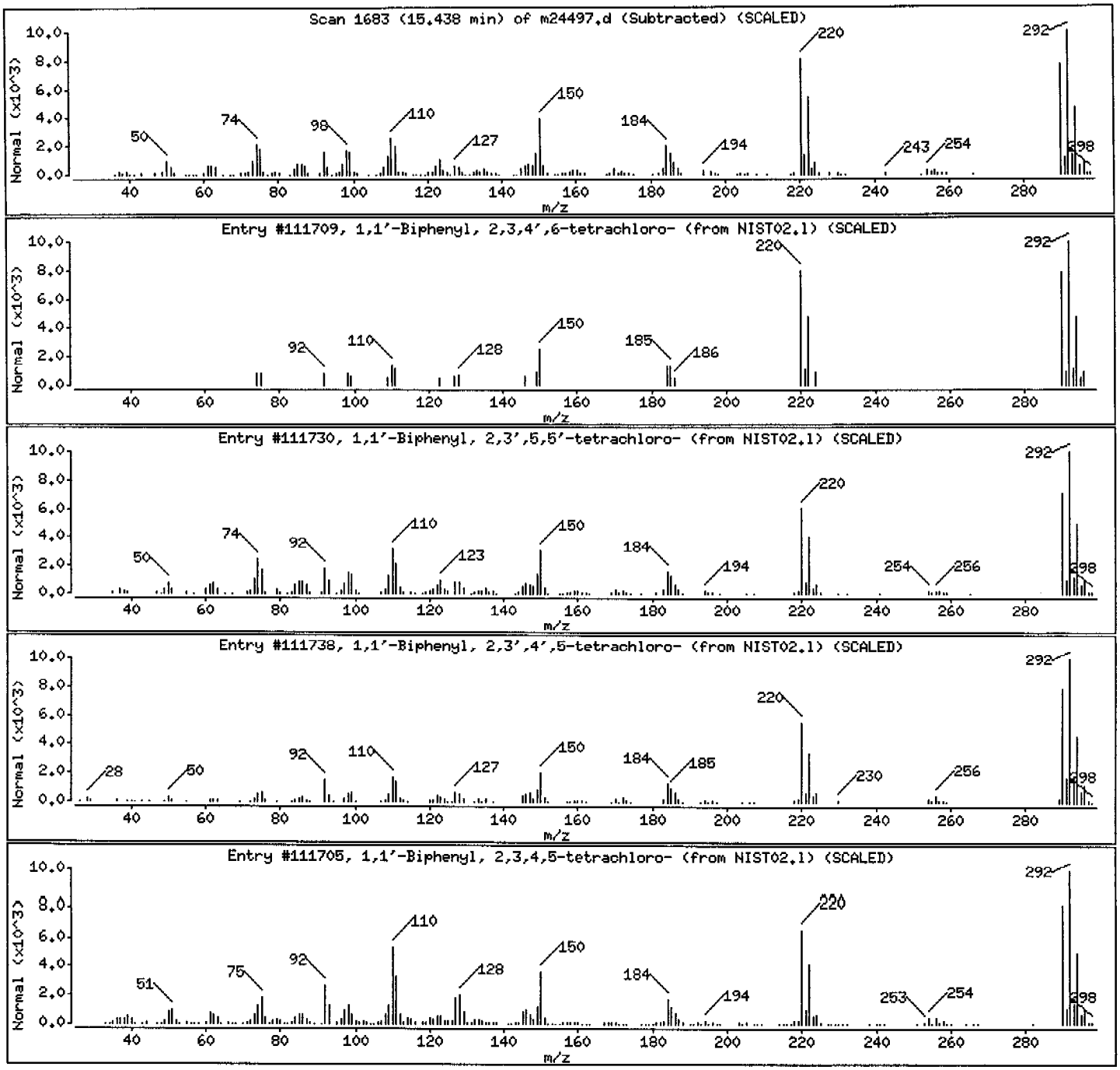
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3',4',5-tetrachloro-	32598-11-1	NIST02.l	111738	98	C12H6Cl4	290
1,1'-Biphenyl, 2,3,4,5-tetrachloro-	33284-53-6	NIST02.l	111705	97	C12H6Cl4	290



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Date : 05-SEP-2006 18:38

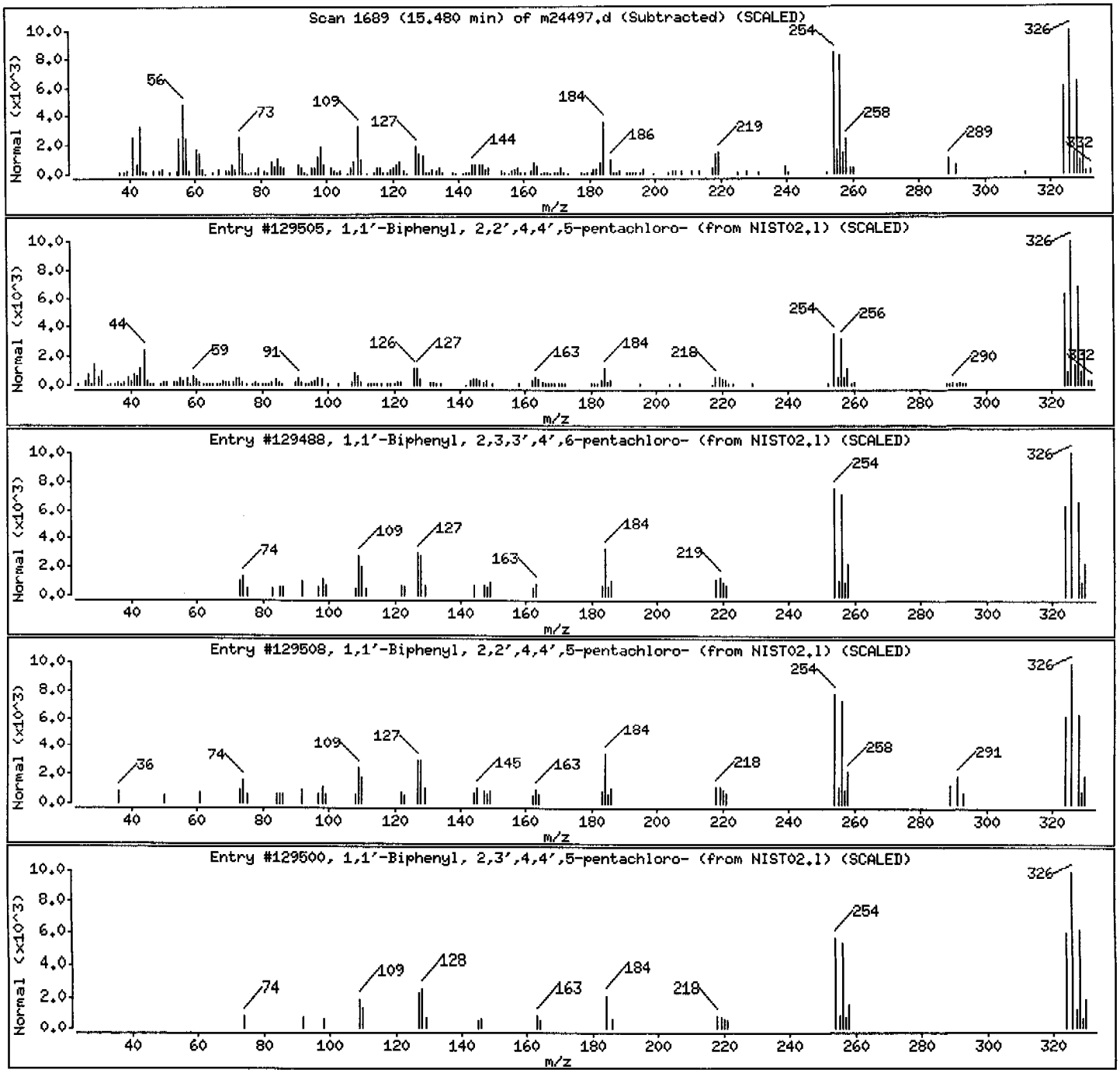
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentachloro-1,1'-biphenyl isomer						
1,1'-Biphenyl, 2,2',4,4',5-pentachloro-	38380-01-7	NIST02.l	129505	97	C12H5Cl5	324
1,1'-Biphenyl, 2,3,3',4',6-pentachloro-	38380-03-9	NIST02.l	129488	96	C12H5Cl5	324
1,1'-Biphenyl, 2,2',4,4',5-pentachloro-	38380-01-7	NIST02.l	129508	96	C12H5Cl5	324
1,1'-Biphenyl, 2,3',4,4',5-pentachloro-	31508-00-6	NIST02.l	129500	95	C12H5Cl5	324



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Date : 05-SEP-2006 18:38

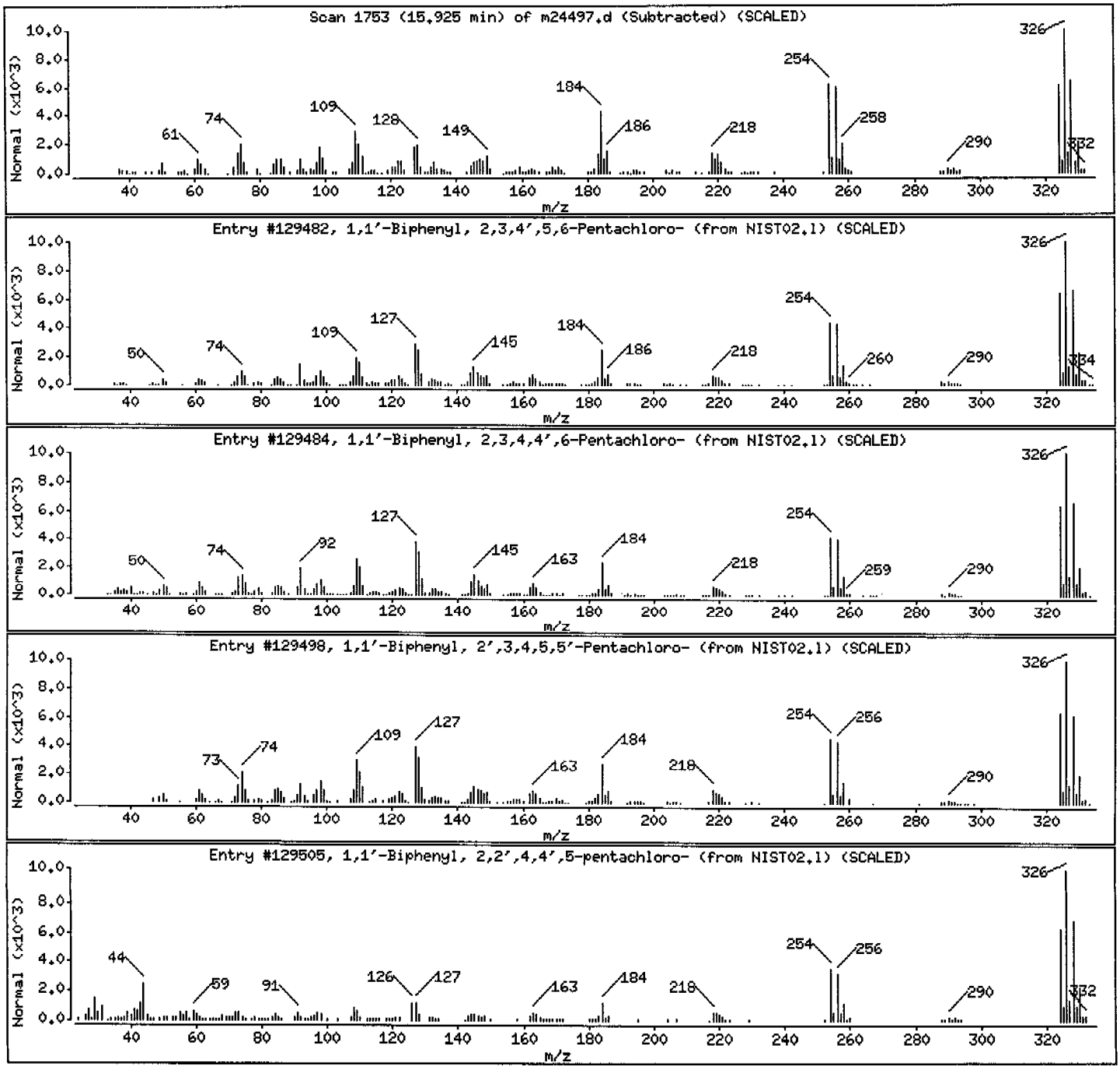
Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentachloro-1,1'-biphenyl isomer						
1,1'-Biphenyl, 2,3,4',5,6-Pentachloro-	68194-11-6	NIST02.l	129482	96	C12H5Cl5	324
1,1'-Biphenyl, 2,3,4,4',6-Pentachloro-	74472-38-1	NIST02.l	129484	96	C12H5Cl5	324
1,1'-Biphenyl, 2',3,4,5,5'-Pentachloro-	70424-70-3	NIST02.l	129498	95	C12H5Cl5	324
1,1'-Biphenyl, 2,2',4,4',5-pentachloro-	38380-01-7	NIST02.l	129505	95	C12H5Cl5	324



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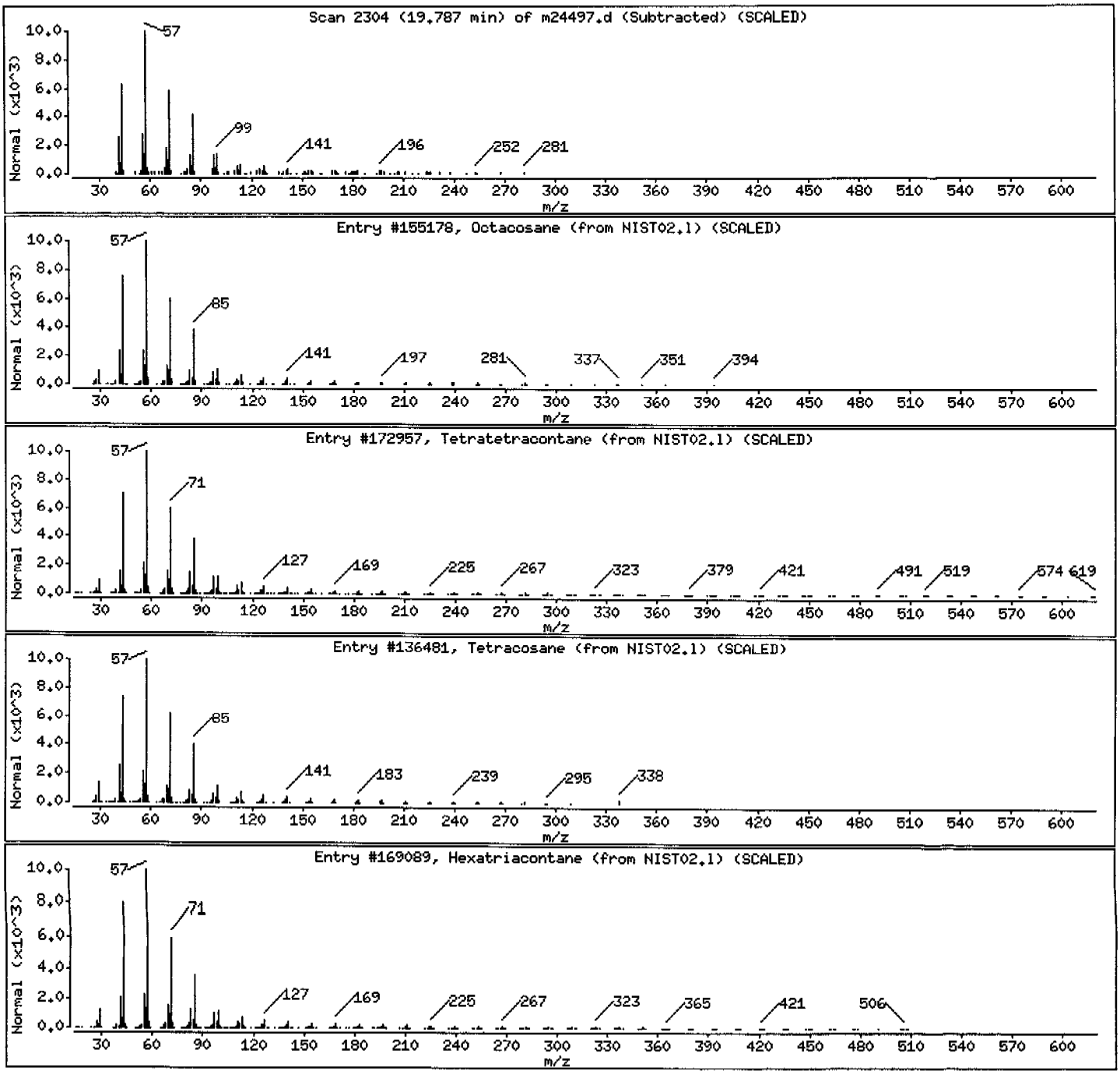
Date : 05-SEP-2006 18:38

Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octacosane	630-02-4	NIST02.l	155178	90	C28H58	394
Tetratetracontane	7098-22-8	NIST02.l	172957	90	C44H90	619
Tetracosane	646-31-1	NIST02.l	136481	87	C24H50	338
Hexatriacontane	630-06-8	NIST02.l	169089	87	C36H74	507



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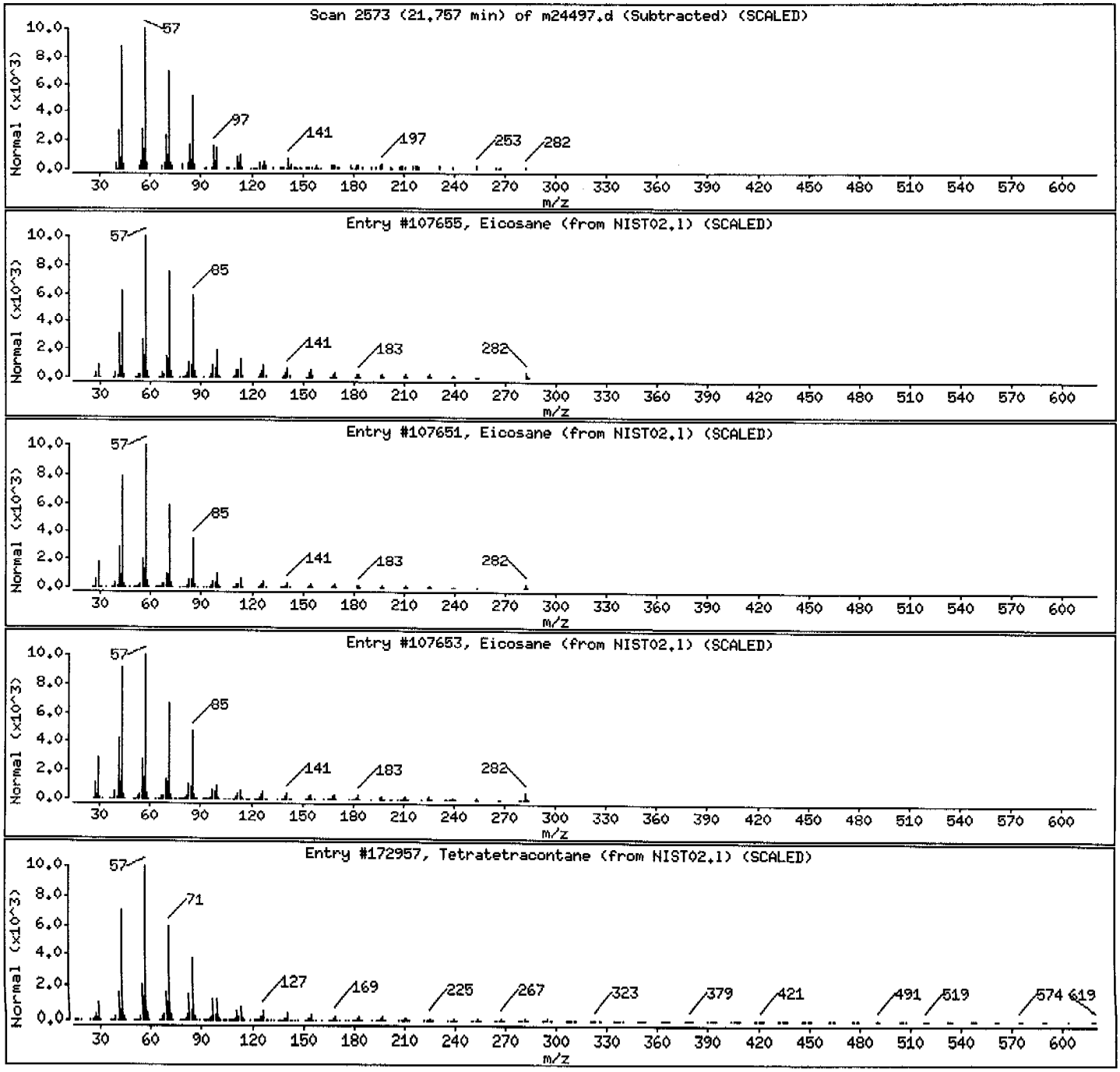
Date : 05-SEP-2006 18:38

Client ID: MW4-SS01 Instrument: BNAMS6.i

Sample Info: 765876;3208865 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST02.l	107655	93	C20H42	282
Eicosane	112-95-8	NIST02.l	107651	93	C20H42	282
Eicosane	112-95-8	NIST02.l	107653	93	C20H42	282
Tetratetracontane	7098-22-8	NIST02.l	172957	90	C44H90	619



Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24459.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24459.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **MW4-SS02**
Site: Sun Chemical SI

Lab Sample No: **765877**
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06
Date Extracted: 08/30/06
Date Analyzed: 09/02/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24459.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24459.d
Report Date: 02-Sep-2006 15:56

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

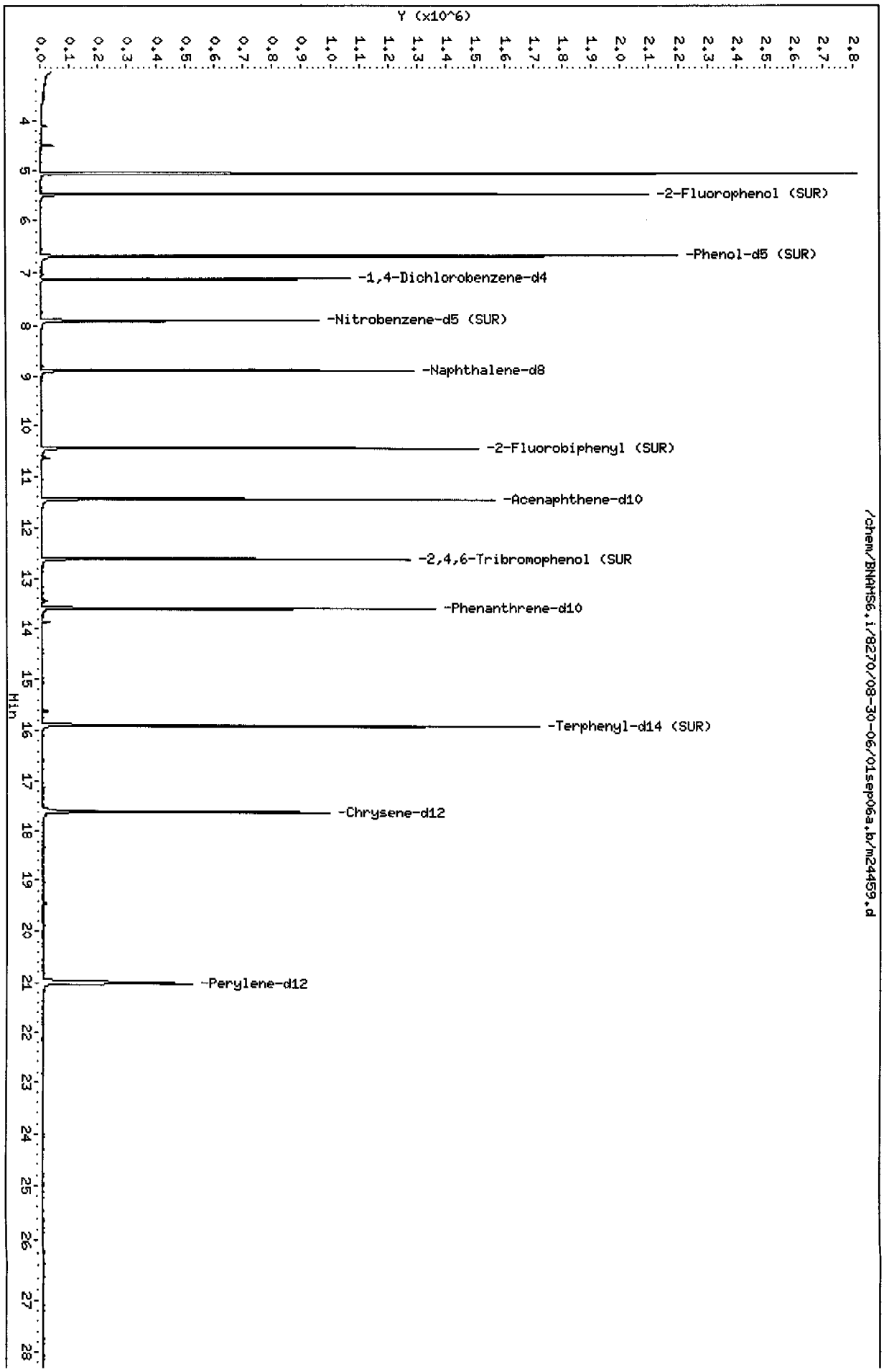
Data file : /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24459.d
Lab Smp Id: 765877 Client Smp ID: MW4-SS02
Inj Date : 02-SEP-2006 03:00
Operator : BNAMS 4 Inst ID: BNAMS6.i
Smp Info : 765877;3208868
Misc Info : W421;SB242A;QA4556
Comment :
Method : /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/8270C6-1.m
Meth Date : 01-Sep-2006 23:12 asfawa Quant Type: ISTD
Cal Date : 30-AUG-2006 11:35 Cal File: m24372.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.10000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.480	5.471	(0.771)	636498	95.8075	7400
$ 17 Phenol-d5 (SUR)	99	6.666	6.668	(0.938)	846419	95.4709	7300
* 79 1,4-Dichlorobenzene-d4	152	7.107	7.111	(1.000)	185201	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.907	7.917	(0.890)	378347	42.1314	3200
* 80 Naphthalene-d8	136	8.888	8.892	(1.000)	726507	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.447	10.450	(0.913)	625875	41.8619	3200
* 82 Acenaphthene-d10	164	11.446	11.449	(1.000)	499347	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.609	12.612	(1.102)	150598	71.1979	5500
* 83 Phenanthrene-d10	188	13.586	13.597	(1.000)	633087	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.897	15.898	(0.904)	684222	44.2853	3400
* 81 Chrysene-d12	240	17.590	17.606	(1.000)	678817	40.0000	
* 84 Perylene-d12	264	21.007	21.022	(1.000)	523229	40.0000	


Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24459.d
Date : 02-SEP-2006 03:00
Client ID: MW4-SS02
Sample Info: 765877;3208868
Column phase: DB-5
Instrument: BNAMS6.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24459.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: M24366

DFTPP Injection Date: 08/30/06

Instrument ID: BNAMS6

DFTPP Injection Time: 0754

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	65.3
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	56.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	18.5
365	Greater than 1.0% of mass 198	2.26
441	0.0 - 100.0% of mass 443	10.4 (75.4)2
442	40.0 - 110.0% of mass 198	71.8
443	17.0 - 23.0% of mass 442	13.8 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MSTD242	MSTD242	M24367	08/30/06	0816
02	MSTD120	MSTD120	M24368	08/30/06	0903
03	MSTD005	MSTD005	M24369	08/30/06	0941
04	MSTD080	MSTD080	M24370	08/30/06	1019
05	MSTD020	MSTD020	M24371	08/30/06	1057
06	MSTD010	MSTD010	M24372	08/30/06	1135
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS6.i/8270/08-30-06/30aug06.b/m24366.d

Date : 30-AUG-2006 07:54

Client ID:

Instrument: BNAMS6.i

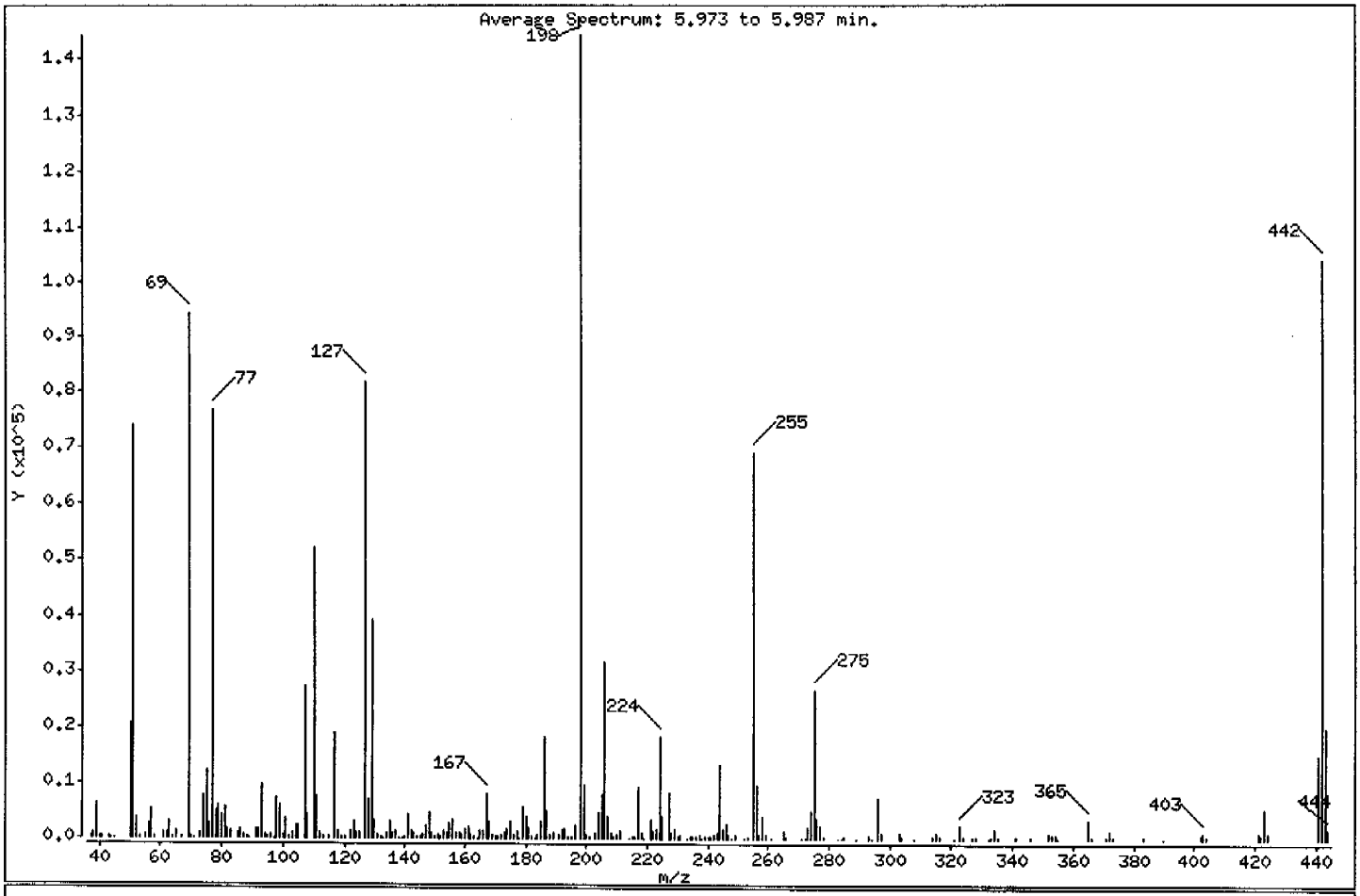
Sample Info: MDFTPP242

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	51.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	65.31
70	Less than 2.00% of mass 69	0.26 (0.40)
127	40.00 - 60.00% of mass 198	56.57
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.55
275	10.00 - 30.00% of mass 198	18.46
365	Greater than 1.00% of mass 198	2.26
441	0.01 - 100.00% of mass 443	10.37 (75.44)
442	40.00 - 110.00% of mass 198	71.80
443	17.00 - 23.00% of mass 442	13.75 (19.15)

Data File: /chem/BNAMS6.i/8270/08-30-06/30aug06.b/m24366.d

Date : 30-AUG-2006 07:54

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP242

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24366.d
Spectrum: Average Spectrum: 5.973 to 5.987 min.
Location of Maximum: 198.00
Number of points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	307	117.00	18968	182.00	265	256.00	9760
38.00	1054	118.00	1242	183.00	100	257.00	798
39.00	6471	119.00	185	184.00	510	258.00	4137
40.00	478	120.00	316	185.00	2848	259.00	557
41.00	376	122.00	1491	186.00	18192	261.00	136
43.00	401	123.00	2971	187.00	4975	265.00	1420
44.00	141	124.00	1156	188.00	548	266.00	264
45.00	92	125.00	1053	189.00	1094	271.00	78
50.00	20480	127.00	81720	191.00	624	272.00	72
51.00	74080	128.00	7073	192.00	1568	273.00	2083
52.00	3591	129.00	39072	193.00	1672	274.00	5088
53.00	182	130.00	3215	194.00	256	275.00	26664
55.00	734	131.00	651	195.00	194	276.00	3807
56.00	2664	132.00	236	196.00	2423	277.00	2304
57.00	5239	133.00	115	198.00	144448	278.00	347
58.00	221	134.00	994	199.00	9465	283.00	94
61.00	863	135.00	3044	200.00	670	284.00	68
62.00	1109	136.00	1010	201.00	463	285.00	330
63.00	2847	137.00	1196	203.00	940	289.00	88
64.00	381	138.00	115	204.00	4530	293.00	609
65.00	1189	139.00	84	205.00	7975	294.00	153
67.00	326	140.00	398	206.00	31408	296.00	7163
69.00	94352	141.00	4348	207.00	4087	297.00	977
70.00	375	142.00	1280	208.00	1058	303.00	839
71.00	68	143.00	978	209.00	236	304.00	265
73.00	915	144.00	250	210.00	651	308.00	68
74.00	7534	145.00	219	211.00	1342	314.00	412
75.00	12231	146.00	682	214.00	66	315.00	1009
76.00	2755	147.00	2178	215.00	471	316.00	471
77.00	76560	148.00	4685	216.00	463	321.00	166
78.00	5122	149.00	963	217.00	9295	323.00	2473
79.00	5959	150.00	332	218.00	1114	324.00	422
80.00	4315	151.00	606	219.00	84	327.00	332
81.00	5606	152.00	309	221.00	3427	328.00	240
82.00	1501	153.00	1183	222.00	1230	332.00	128

Data File: /chem/BNAMS6.i/8270/08-30-06/30aug06.b/m24366.d

Date : 30-AUG-2006 07:54

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP242

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24366.d
Spectrum: Average Spectrum: 5.973 to 5.987 min.
Location of Maximum: 198.00
Number of points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1354	154.00	1090	223.00	1740	333.00	307
85.00	1073	155.00	2616	224.00	18184	334.00	1787
86.00	1670	156.00	3313	225.00	3985	335.00	481
87.00	645	157.00	889	227.00	8206	341.00	339
88.00	236	158.00	846	228.00	1113	346.00	487
89.00	93	159.00	598	229.00	1527	352.00	880
91.00	1631	160.00	1505	230.00	238	353.00	633
92.00	1655	161.00	2113	231.00	581	354.00	757
93.00	9582	162.00	610	233.00	74	355.00	67
94.00	583	163.00	179	234.00	486	365.00	3258
95.00	353	164.00	85	235.00	466	366.00	460
96.00	585	165.00	1489	236.00	245	371.00	220
97.00	132	166.00	1188	237.00	637	372.00	1485
98.00	7293	167.00	7839	238.00	76	373.00	356
99.00	5899	168.00	3121	239.00	355	383.00	483
100.00	574	169.00	722	240.00	175	390.00	151
101.00	3637	170.00	312	241.00	408	402.00	681
102.00	190	171.00	462	242.00	728	403.00	981
103.00	978	172.00	743	243.00	947	404.00	169
104.00	2487	173.00	833	244.00	13359	421.00	831
105.00	2187	174.00	1665	245.00	1761	422.00	615
107.00	27344	175.00	3149	246.00	2604	423.00	5164
108.00	4239	176.00	766	247.00	540	424.00	940
110.00	52216	177.00	1254	248.00	75	441.00	14986
111.00	7519	178.00	148	249.00	504	442.00	103720
112.00	953	179.00	5682	252.00	76	443.00	19864
113.00	370	180.00	3890	253.00	477	444.00	1625
115.00	252	181.00	1866	255.00	69176		

Data File: /chem/BNAMS6.i/8270/08-30-06/30aug06.b/m24366.d

Date : 30-AUG-2006 07:54

Client ID:

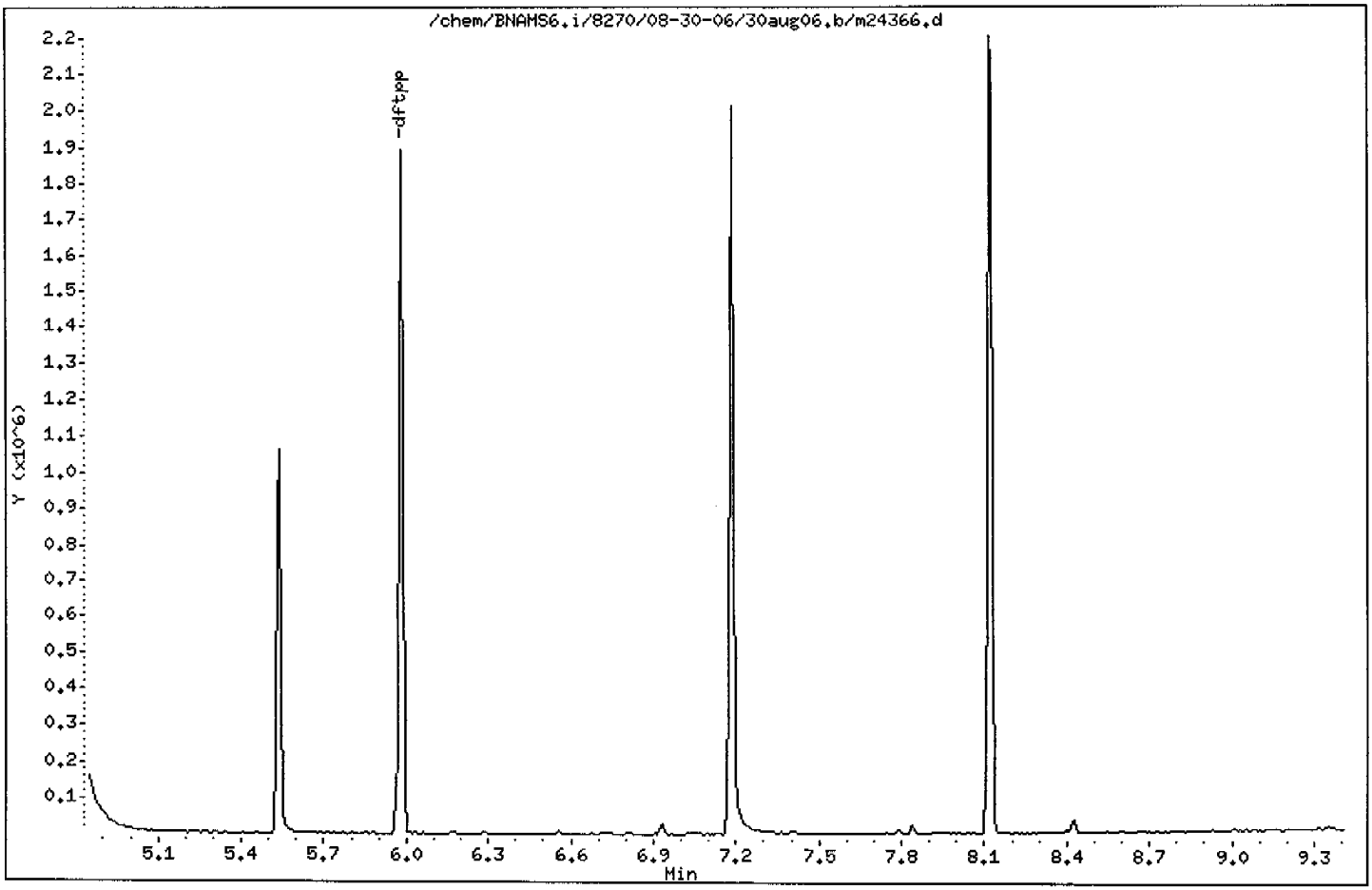
Instrument: BNAMS6.i

Sample Info: MDFTPP242

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: M24450

DFTPP Injection Date: 09/01/06

Instrument ID: BNAMS6

DFTPP Injection Time: 2132

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	63.9
70	Less than 2.0% of mass 69	0.4 (0.6)1
127	40.0 - 60.0% of mass 198	56.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	20.4
365	Greater than 1.0% of mass 198	2.28
441	0.0 - 100.0% of mass 443	9.9 (72.7)2
442	40.0 - 110.0% of mass 198	71.6
443	17.0 - 23.0% of mass 442	13.6 (19.1)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MSTD244A	MSTD244A	M24452	09/01/06	2236
02	SB242A	SB242A	M24453	09/01/06	2314
03	B1301-SS02	765863	M24457	09/02/06	0144
04	MW4-SS02	765877	M24459	09/02/06	0300
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24450.d

Date : 01-SEP-2006 21:32

Client ID:

Instrument: BNAMS6.i

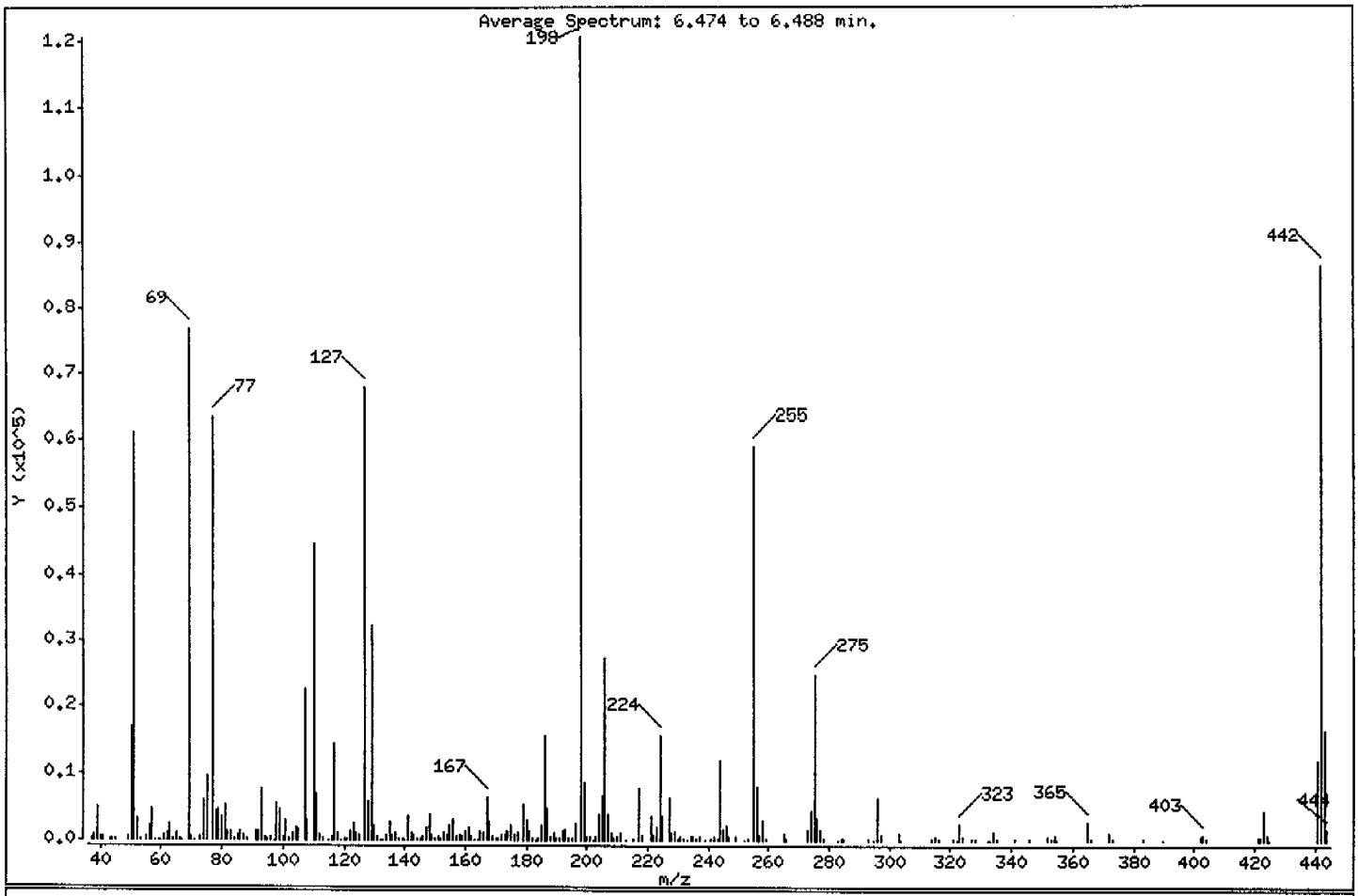
Sample Info: MDFTPP244a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.90
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	63.92
70	Less than 2.00% of mass 69	0.39 (0.62)
127	40.00 - 60.00% of mass 198	56.28
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	20.37
365	Greater than 1.00% of mass 198	2.28
441	0.01 - 100.00% of mass 443	9.92 (72.73)
442	40.00 - 110.00% of mass 198	71.55
443	17.00 - 23.00% of mass 442	13.64 (19.06)

Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24450.d

Date : 01-SEP-2006 21:32

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP244a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24450.d

Spectrum: Average Spectrum: 6.474 to 6.488 min.

Location of Maximum: 198.00

Number of points: 249

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	310	112.00	884	177.00	1007	253.00	411
38.00	964	113.00	269	179.00	5134	255.00	59032
39.00	5098	115.00	95	180.00	3077	256.00	8052
40.00	517	116.00	442	181.00	1374	257.00	820
41.00	441	117.00	14347	182.00	212	258.00	3151
43.00	389	118.00	1094	183.00	79	259.00	397
44.00	169	119.00	78	184.00	378	265.00	1229
45.00	220	120.00	247	185.00	2105	266.00	244
49.00	421	121.00	142	186.00	15548	273.00	1693
50.00	16880	122.00	1361	187.00	4576	274.00	4448
51.00	61320	123.00	2497	188.00	504	275.00	24536
52.00	3245	124.00	1176	189.00	1230	276.00	3244
53.00	336	125.00	947	190.00	270	277.00	1681
55.00	582	127.00	67800	191.00	409	278.00	222
56.00	2121	128.00	5739	192.00	1377	283.00	101
57.00	4786	129.00	32136	193.00	1566	284.00	230
58.00	68	130.00	2349	194.00	193	285.00	282
59.00	68	131.00	540	195.00	201	293.00	402
60.00	98	132.00	104	196.00	2524	295.00	74
61.00	881	133.00	83	198.00	120472	296.00	6367
62.00	992	134.00	814	199.00	8498	297.00	772
63.00	2418	135.00	2667	200.00	671	303.00	1013
64.00	281	136.00	793	201.00	474	304.00	98
65.00	1083	137.00	1086	202.00	73	314.00	320
66.00	148	138.00	219	203.00	613	315.00	652
67.00	110	139.00	182	204.00	3942	316.00	414
69.00	77008	140.00	106	205.00	6629	321.00	203
70.00	474	141.00	3661	206.00	27120	322.00	92
71.00	75	142.00	1201	207.00	3741	323.00	2484
73.00	433	143.00	859	208.00	995	324.00	480
74.00	6200	144.00	258	209.00	334	327.00	278
75.00	9788	145.00	312	210.00	421	328.00	202
77.00	63464	146.00	669	211.00	1034	332.00	102
78.00	4382	147.00	1857	213.00	68	333.00	96
79.00	4696	148.00	3782	215.00	256	334.00	1356

Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24450.d

Date : 01-SEP-2006 21:32

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP244a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24450.d

Spectrum: Average Spectrum: 6.474 to 6.488 min.

Location of Maximum: 198.00

Number of points: 249

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	3462	149.00	856	217.00	7821	335.00	386
81.00	5250	150.00	238	218.00	789	341.00	275
82.00	1322	151.00	437	221.00	3611	346.00	342
83.00	1265	152.00	411	222.00	800	352.00	691
84.00	148	153.00	1122	223.00	1927	353.00	406
85.00	888	154.00	916	224.00	15609	354.00	718
86.00	1255	155.00	2150	225.00	3638	355.00	111
87.00	703	156.00	3038	227.00	6481	365.00	2752
88.00	222	157.00	596	228.00	999	366.00	350
91.00	1278	158.00	791	229.00	1328	372.00	1183
92.00	1372	159.00	665	230.00	172	373.00	339
93.00	7890	160.00	1249	231.00	587	383.00	293
94.00	669	161.00	1977	232.00	160	390.00	83
95.00	358	162.00	582	233.00	85	402.00	577
96.00	495	163.00	85	234.00	502	403.00	714
97.00	131	164.00	137	235.00	437	404.00	218
98.00	5519	165.00	1288	236.00	339	421.00	545
99.00	4620	166.00	1092	237.00	439	422.00	652
100.00	450	167.00	6315	239.00	100	423.00	4519
101.00	2964	168.00	2725	241.00	330	424.00	821
102.00	279	169.00	599	242.00	629	425.00	68
103.00	1159	170.00	200	243.00	219	441.00	11951
104.00	1913	171.00	367	244.00	11978	442.00	86200
105.00	1795	172.00	717	245.00	1669	443.00	16432
107.00	22384	173.00	838	246.00	2208	444.00	1558
108.00	3159	174.00	1501	247.00	527		
110.00	44464	175.00	2266	249.00	479		
111.00	6907	176.00	766	252.00	134		

Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24450.d

Date : 01-SEP-2006 21:32

Client ID:

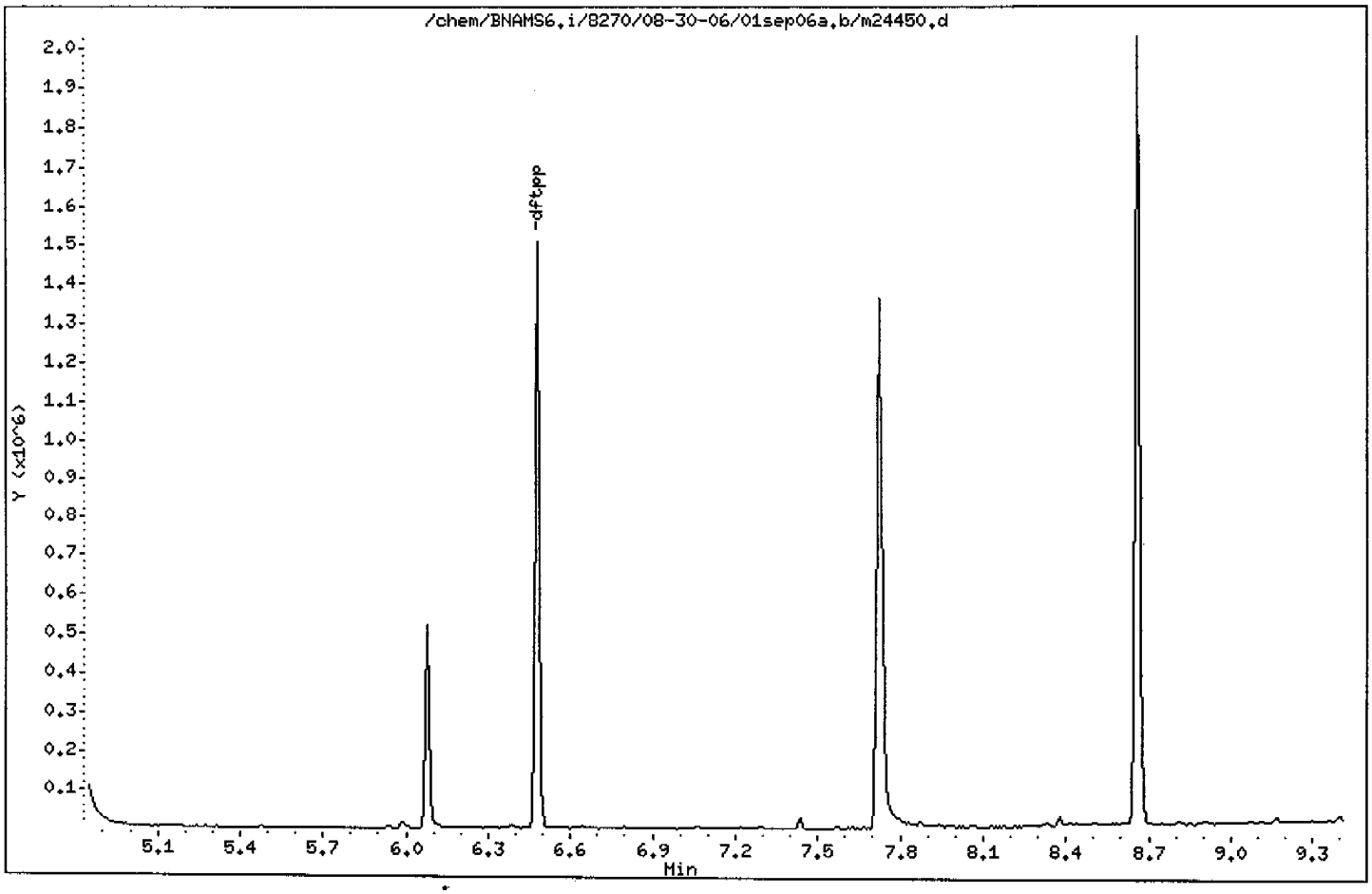
Instrument: BNAMS6.i

Sample Info: MDFTPP244a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: M24465

DFTPP Injection Date: 09/02/06

Instrument ID: BNAMS6

DFTPP Injection Time: 1145

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.2
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	56.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	18.6
365	Greater than 1.0% of mass 198	2.49
441	0.0 - 100.0% of mass 443	10.5 (79.1)2
442	40.0 - 110.0% of mass 198	70.7
443	17.0 - 23.0% of mass 442	13.3 (18.8)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MSTD245	MSTD245	M24467	09/02/06	1415
02	MW4-SS01R1	765876R1	M24476	09/02/06	2007
03	B1301-SS01	765862	M24477	09/02/06	2045
04					
05					
06					
07					
08					
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10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24465.d

Date : 02-SEP-2006 11:45

Client ID:

Instrument: BNAMS6.i

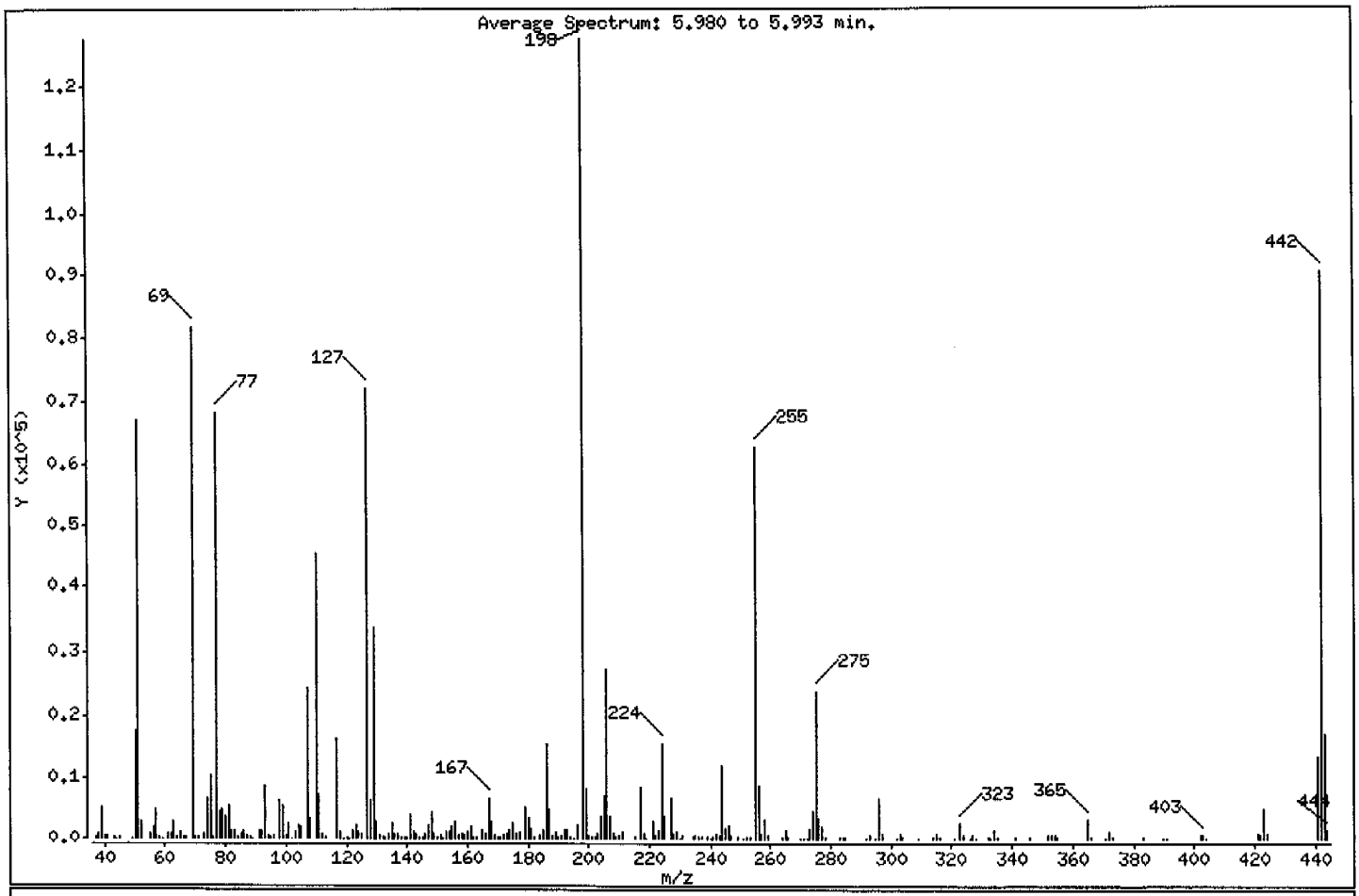
Sample Info: MDFTPP245

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	52.57
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	64.23
70	Less than 2.00% of mass 69	0.12 (0.19)
127	40.00 - 60.00% of mass 198	56.65
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.43
275	10.00 - 30.00% of mass 198	18.57
365	Greater than 1.00% of mass 198	2.49
441	0.01 - 100.00% of mass 443	10.52 (79.13)
442	40.00 - 110.00% of mass 198	70.71
443	17.00 - 23.00% of mass 442	13.30 (18.80)

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24465.d

Date : 02-SEP-2006 11:45

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP245

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24465.d

Spectrum: Average Spectrum: 5.980 to 5.993 min.

Location of Maximum: 198.00

Number of points: 252

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	174	117.00	16284	185.00	1538	266.00	338
38.00	933	118.00	1119	186.00	15630	270.00	75
39.00	5358	119.00	114	187.00	4848	271.00	70
40.00	478	120.00	359	188.00	488	272.00	115
41.00	462	121.00	121	189.00	1036	273.00	1697
43.00	359	122.00	1325	190.00	169	274.00	4669
44.00	136	123.00	2296	191.00	553	275.00	23656
45.00	204	124.00	1066	192.00	1373	276.00	3386
49.00	102	125.00	926	193.00	1360	277.00	1941
50.00	17680	127.00	72168	194.00	317	278.00	301
51.00	66968	128.00	6369	195.00	92	283.00	192
52.00	3010	129.00	33776	196.00	2354	284.00	188
55.00	842	130.00	2847	198.00	127392	285.00	370
56.00	2071	131.00	511	199.00	8189	292.00	69
57.00	4897	132.00	247	200.00	704	293.00	487
58.00	221	133.00	201	201.00	328	295.00	130
59.00	76	134.00	984	202.00	211	296.00	6776
61.00	792	135.00	2551	203.00	934	297.00	920
62.00	899	136.00	1012	204.00	3844	302.00	74
63.00	2905	137.00	952	205.00	7029	303.00	948
64.00	298	138.00	284	206.00	27264	304.00	189
65.00	1220	139.00	190	207.00	3945	309.00	72
66.00	191	140.00	225	208.00	900	314.00	422
67.00	278	141.00	3977	209.00	234	315.00	733
69.00	81816	142.00	1199	210.00	492	316.00	265
70.00	158	143.00	856	211.00	1027	321.00	122
71.00	169	144.00	231	215.00	288	323.00	2666
73.00	1016	145.00	217	217.00	8504	324.00	509
74.00	6611	146.00	775	218.00	982	326.00	75
75.00	10534	147.00	2309	219.00	71	327.00	468
76.00	423	148.00	4260	221.00	2852	328.00	107
77.00	68320	149.00	912	222.00	450	332.00	175
78.00	4560	150.00	265	223.00	1581	333.00	116
79.00	5026	151.00	537	224.00	15525	334.00	1552
80.00	3853	152.00	133	225.00	3788	335.00	335

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24465.d

Date : 02-SEP-2006 11:45

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP245

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24465.d

Spectrum: Average Spectrum: 5.980 to 5.993 min.

Location of Maximum: 198.00

Number of points: 252

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	5690	153.00	1278	227.00	6759	341.00	213
82.00	1357	154.00	1028	228.00	860	346.00	335
83.00	1320	155.00	2146	229.00	1226	352.00	702
84.00	294	156.00	2814	230.00	69	353.00	530
85.00	932	157.00	671	231.00	505	354.00	670
86.00	1519	158.00	776	234.00	418	355.00	148
87.00	616	159.00	531	235.00	492	365.00	3173
88.00	229	160.00	1232	236.00	293	366.00	377
89.00	66	161.00	2006	237.00	404	371.00	78
91.00	1447	162.00	414	239.00	186	372.00	1207
92.00	1551	163.00	187	240.00	115	373.00	277
93.00	8892	165.00	1445	241.00	313	383.00	344
94.00	658	166.00	864	242.00	963	390.00	89
95.00	379	167.00	6751	243.00	522	391.00	81
96.00	548	168.00	2803	244.00	12077	402.00	590
98.00	6343	169.00	701	245.00	1644	403.00	712
99.00	5464	170.00	242	246.00	2360	404.00	106
100.00	506	171.00	293	247.00	518	421.00	738
101.00	2762	172.00	685	249.00	355	422.00	706
102.00	115	173.00	941	251.00	82	423.00	4974
103.00	1071	174.00	1554	252.00	189	424.00	919
104.00	2315	175.00	2494	253.00	237	441.00	13403
105.00	1994	176.00	872	255.00	62592	442.00	90080
107.00	24320	177.00	1305	256.00	8729	443.00	16936
108.00	3576	179.00	5158	257.00	781	444.00	1573
110.00	45368	180.00	3469	258.00	3198		
111.00	7315	181.00	1679	259.00	497		
112.00	834	182.00	220	264.00	217		
113.00	265	184.00	506	265.00	1350		

Data File: /chem/BNAMS6.i/8270/08-30-06/02sep06.b/m24465.d

Date : 02-SEP-2006 11:45

Client ID:

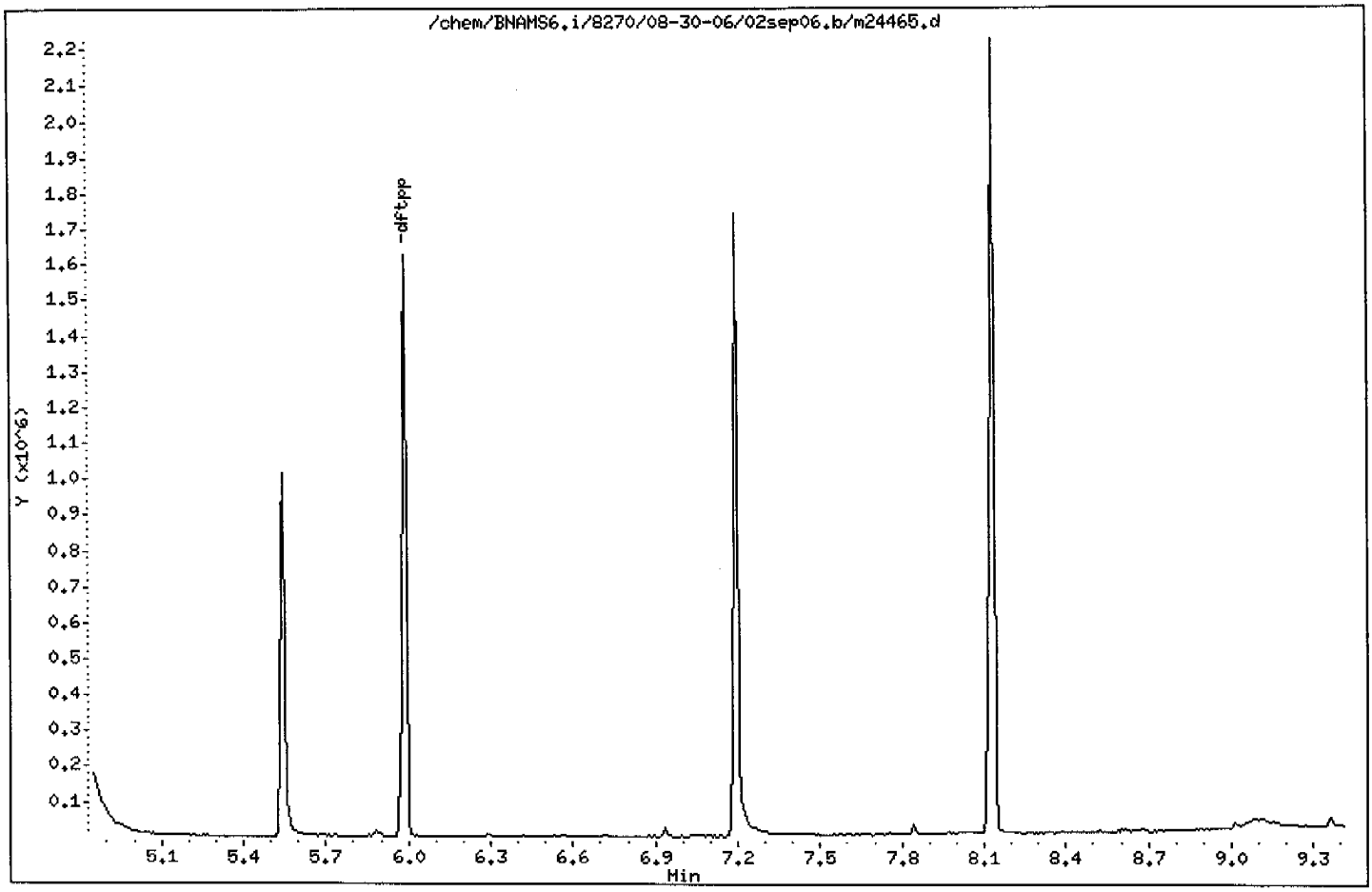
Instrument: BNAMS6.i

Sample Info: MDFTPP245

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: M24483

DFTPP Injection Date: 09/05/06

Instrument ID: BNAMS6

DFTPP Injection Time: 0915

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	71.0
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	57.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	17.7
365	Greater than 1.0% of mass 198	2.16
441	0.0 - 100.0% of mass 443	9.7 (77.6)2
442	40.0 - 110.0% of mass 198	63.8
443	17.0 - 23.0% of mass 442	12.4 (19.5)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MSTD248	MSTD248	M24484	09/05/06	0938
02	MW4-SS01	765876	M24497	09/05/06	1838
03	B1301-SS01R1	765862R1	M24498	09/05/06	1916
04					
05					
06					
07					
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10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24483.d

Date : 05-SEP-2006 09:15

Client ID:

Instrument: BNAMS6.i

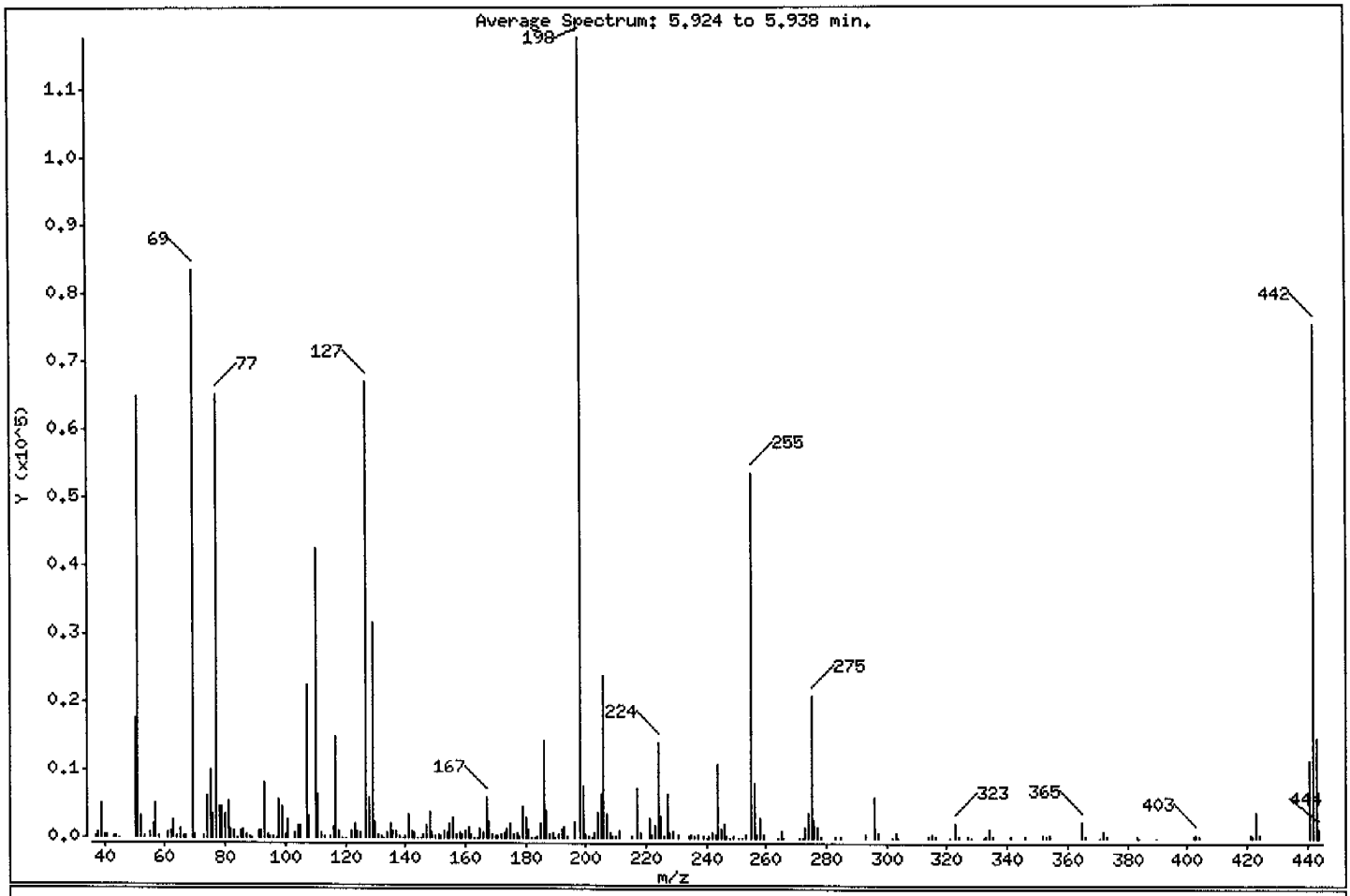
Sample Info: MDFTPP248

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.16
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	70.95
70	Less than 2.00% of mass 69	0.35 (0.49)
127	40.00 - 60.00% of mass 198	57.13
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.39
275	10.00 - 30.00% of mass 198	17.70
365	Greater than 1.00% of mass 198	2.16
441	0.01 - 100.00% of mass 443	9.65 (77.63)
442	40.00 - 110.00% of mass 198	63.85
443	17.00 - 23.00% of mass 442	12.43 (19.47)

Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24483.d

Date : 05-SEP-2006 09:15

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP248

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24483.d

Spectrum: Average Spectrum: 5.924 to 5.938 min.

Location of Maximum: 198.00

Number of points: 246

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	297	115.00	169	179.00	4557	255.00	53496
38.00	871	116.00	1578	180.00	2998	256.00	7984
39.00	5074	117.00	14782	181.00	1445	257.00	574
40.00	422	118.00	1051	182.00	97	258.00	2954
41.00	434	119.00	93	183.00	68	259.00	481
43.00	222	120.00	97	184.00	266	264.00	85
44.00	327	122.00	1167	185.00	2059	265.00	1099
45.00	72	123.00	2183	186.00	14255	266.00	79
50.00	17600	124.00	1114	187.00	4134	271.00	71
51.00	64856	125.00	863	188.00	533	272.00	85
52.00	3271	127.00	67176	189.00	903	273.00	1515
53.00	137	128.00	5962	190.00	80	274.00	3914
55.00	679	129.00	31616	191.00	461	275.00	20808
56.00	2085	130.00	2519	192.00	1275	276.00	2833
57.00	5186	131.00	444	193.00	1492	277.00	1640
58.00	170	132.00	220	194.00	205	278.00	297
61.00	877	133.00	79	196.00	2314	283.00	185
62.00	1037	134.00	874	198.00	117592	285.00	235
63.00	2753	135.00	2254	199.00	7510	293.00	418
64.00	384	136.00	971	200.00	460	296.00	5885
65.00	1262	137.00	1024	201.00	393	297.00	753
66.00	155	138.00	232	202.00	132	302.00	73
67.00	166	139.00	79	203.00	833	303.00	745
69.00	83432	140.00	391	204.00	3843	304.00	89
70.00	408	141.00	3470	205.00	6417	314.00	215
73.00	297	142.00	988	206.00	23864	315.00	618
74.00	6140	143.00	894	207.00	3457	316.00	324
75.00	9869	144.00	100	208.00	754	321.00	114
76.00	3572	145.00	79	209.00	337	323.00	2240
77.00	65272	146.00	493	210.00	270	324.00	274
78.00	4565	147.00	1904	211.00	993	327.00	348
79.00	4473	148.00	3793	215.00	339	328.00	95
80.00	3578	149.00	786	217.00	7371	332.00	72
81.00	5276	150.00	159	218.00	853	333.00	172
82.00	1296	151.00	497	221.00	3059	334.00	1372

Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24483.d

Date : 05-SEP-2006 09:15

Client ID:

Instrument: BNAMS6.i

Sample Info: MDFTPP248

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: m24483.d

Spectrum: Average Spectrum: 5.924 to 5.938 min.

Location of Maximum: 198.00

Number of points: 246

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1130	152.00	176	222.00	660	335.00	253
84.00	129	153.00	1107	223.00	2011	341.00	194
85.00	991	154.00	837	224.00	13980	346.00	332
86.00	1259	155.00	2153	225.00	3315	352.00	652
87.00	597	156.00	3101	226.00	155	353.00	344
88.00	178	157.00	444	227.00	6430	354.00	523
89.00	66	158.00	749	228.00	799	365.00	2544
91.00	1064	159.00	560	229.00	1200	366.00	310
92.00	1207	160.00	1148	231.00	408	371.00	109
93.00	8034	161.00	1709	234.00	288	372.00	1111
94.00	588	162.00	446	235.00	448	373.00	245
95.00	362	163.00	127	236.00	357	383.00	225
96.00	392	164.00	127	237.00	536	384.00	79
97.00	101	165.00	1284	239.00	185	390.00	70
98.00	5726	166.00	898	240.00	72	402.00	375
99.00	4650	167.00	5988	241.00	322	403.00	478
100.00	468	168.00	2561	242.00	708	404.00	213
101.00	2833	169.00	650	243.00	641	421.00	571
103.00	835	170.00	204	244.00	10850	422.00	322
104.00	1852	171.00	228	245.00	1387	423.00	3789
105.00	1819	172.00	563	246.00	2170	424.00	670
107.00	22504	173.00	753	247.00	398	441.00	11350
108.00	3169	174.00	1454	248.00	75	442.00	75080
110.00	42408	175.00	2250	249.00	377	443.00	14620
111.00	6416	176.00	613	251.00	82	444.00	1338
112.00	774	177.00	935	252.00	89		
113.00	225	178.00	308	253.00	411		

Data File: /chem/BNAMS6.i/8270/08-30-06/05sep06.b/m24483.d

Date : 05-SEP-2006 09:15

Client ID:

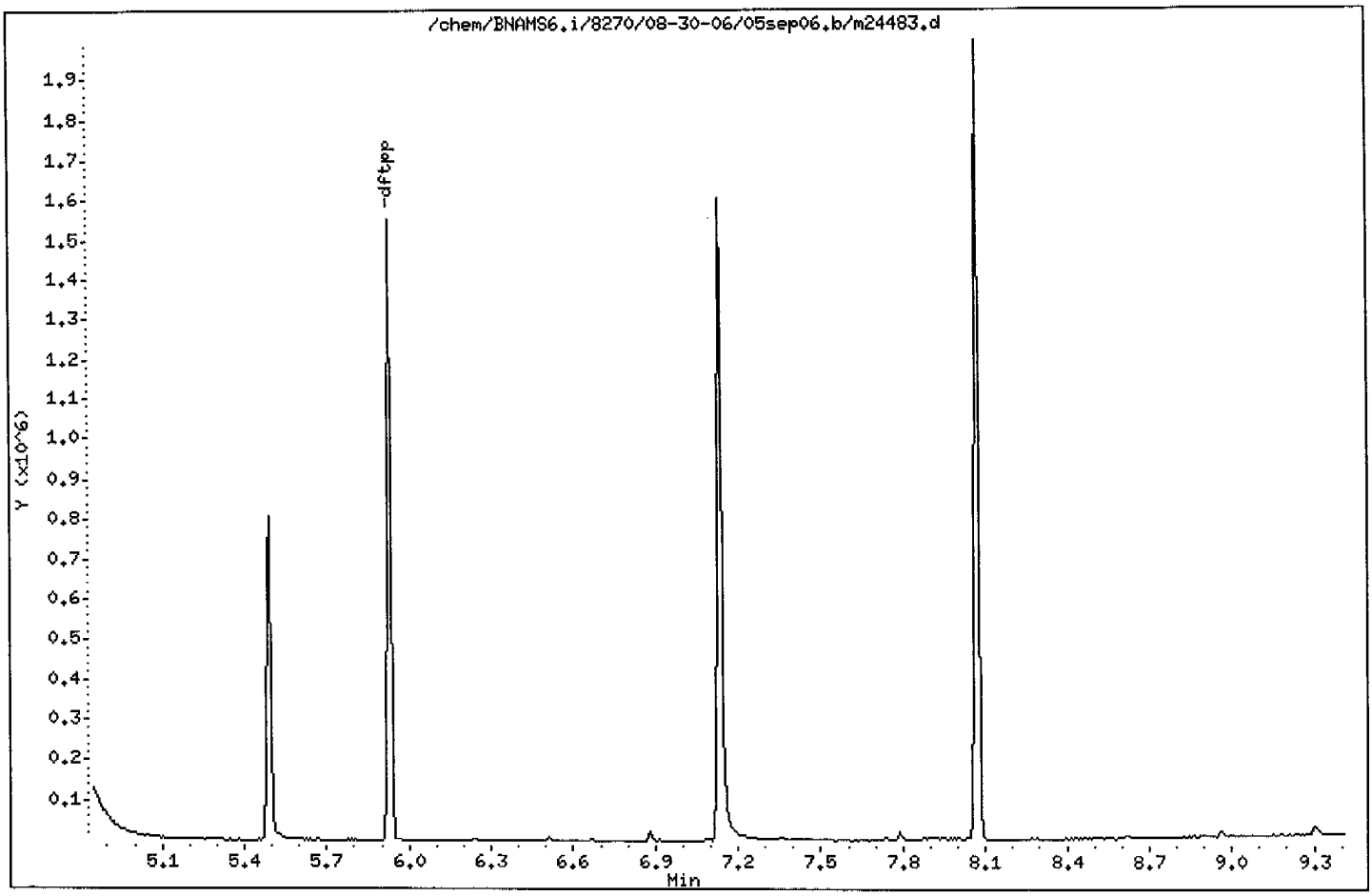
Instrument: BNAMS6.i

Sample Info: MDFTPP248

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



Method Blank Results Summary

LAB SAMPLE NO.

SB242A

SEMIVOLATILE METHOD BLANK SUMMARY

Matrix: SOIL

Level: LOW

Instrument ID: BNAMS6

Date Analyzed: 09/01/06

Time Analyzed: 2314

Lab File ID: M24453

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	B1301-SS02	765863	M24457	09/02/06
02	MW4-SS02	765877	M24459	09/02/06
03	MW4-SS01R1	765876R1	M24476	09/02/06
04	B1301-SS01	765862	M24477	09/02/06
05	MW4-SS01	765876	M24497	09/05/06
06	B1301-SS01R1	765862R1	M24498	09/05/06
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COMMENTS:

Client ID: **SB242A**
Site:

Lab Sample No: **SB242A**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Extracted: 08/30/06
Date Analyzed: 09/01/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24453.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Phenol	ND	330
2-Chlorophenol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2,4-Dinitrophenol	ND	1000
4-Nitrophenol	ND	1000
4,6-Dinitro-2-methylphenol	ND	1000
Pentachlorophenol	ND	1000
Benzoic Acid	ND	330
N-Nitrosodimethylamine	ND	330
bis(2-Chloroethyl)ether	ND	33
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-chloroisopropyl)ether	ND	330
N-Nitroso-di-n-propylamine	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	33
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	67
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670

Client ID: **SB242A**
Site:

Lab Sample No: **SB242A**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Extracted: 08/30/06
Date Analyzed: 09/01/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24453.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	67
3-Nitroaniline	ND	670
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	67
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	670
N-Nitrosodiphenylamine	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	33
Phenanthrene	ND	330
Anthracene	ND	330
Carbazole	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzidine	ND	670
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	33
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	33
Benzo(k)fluoranthene	ND	33
Benzo(a)pyrene	ND	33
Indeno(1,2,3-cd)pyrene	ND	33
Dibenz(a,h)anthracene	ND	33
Benzo(g,h,i)perylene	ND	330
Pyridine	ND	330

Client ID: **SB242A**
Site:

Lab Sample No: **SB242A**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Extracted: 08/30/06
Date Analyzed: 09/01/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24453.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aniline	ND	330
Benzyl Alcohol	ND	330
1,2-Diphenylhydrazine	ND	330
Diphenyl	ND	330
Diphenyl Ether	ND	330
Acetophenone	ND	330
1,4-Dioxane	ND	330
N,N-Dimethylaniline	ND	33
2,3,7,8-TCDD (Screen)	ND	33
Benzaldehyde	ND	330
Caprolactam	ND	330
Atrazine	ND	330
n-decane	ND	330
Coumarin	ND	330
n-Octadecane	ND	330
o-Tricresylphosphate	ND	330
Carbamazepine	ND	670
1-Methylnaphthalene	ND	670

Client ID: **SB242A**
Site:

Lab Sample No: **SB242A**
Lab Job No: W421

Date Sampled: _____
Date Received: _____
Date Extracted: 08/30/06
Date Analyzed: 09/01/06
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m24453.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Aldol Condensate	5.05	10000	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 10000

Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24453.d
Report Date: 02-Sep-2006 15:56

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

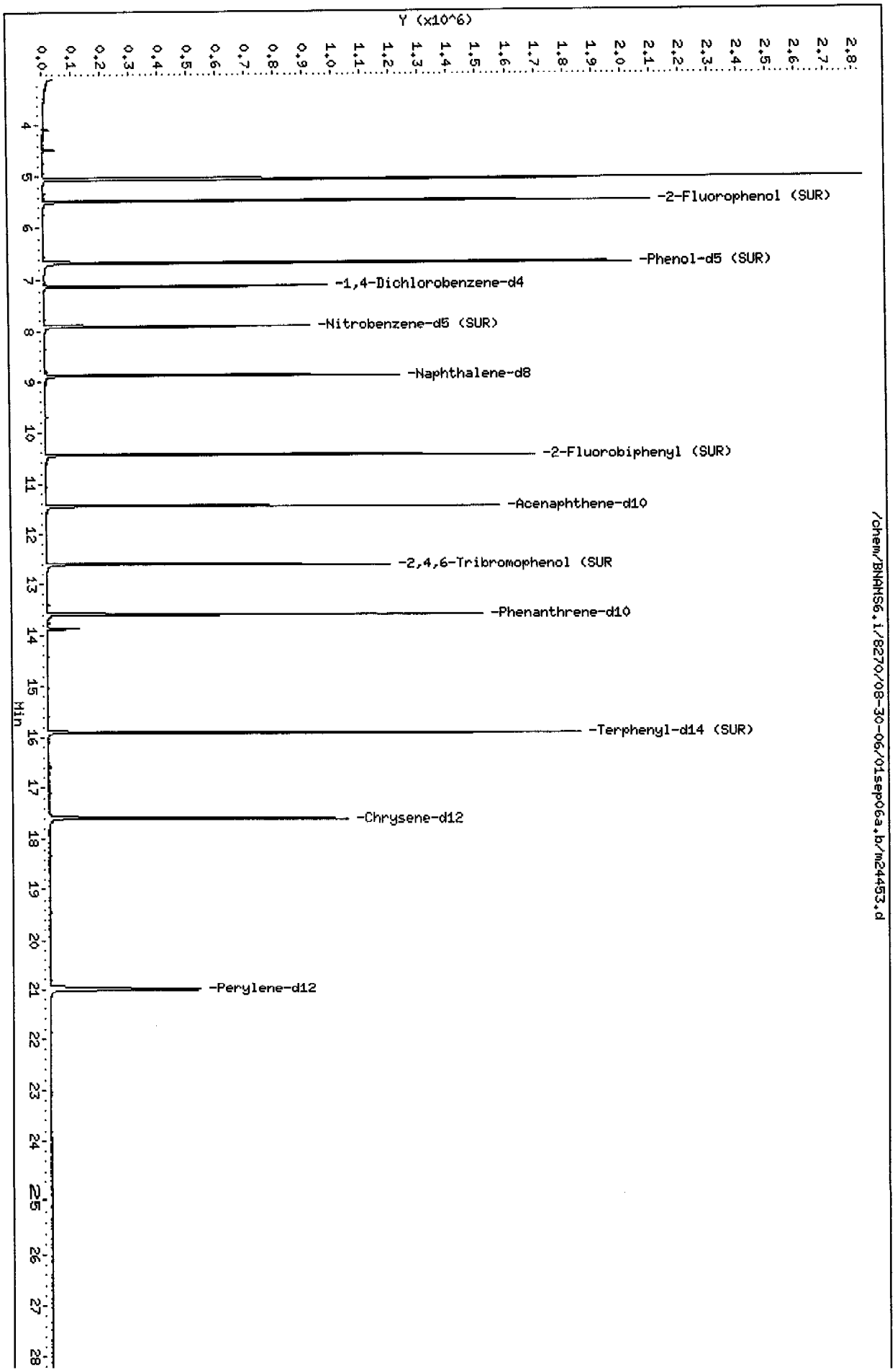
Data file : /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24453.d
Lab Smp Id: SB242A Client Smp ID: SB242A
Inj Date : 01-SEP-2006 23:14
Operator : BNAMS 4 Inst ID: BNAMS6.i
Smp Info : SB242A;MB62513
Misc Info :
Comment :
Method : /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/8270C6-1.m
Meth Date : 01-Sep-2006 23:12 asfawa Quant Type: ISTD
Cal Date : 30-AUG-2006 11:35 Cal File: m24372.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.479	5.471	(0.771)	627510	100.778	6700
$ 17 Phenol-d5 (SUR)	99	6.668	6.668	(0.938)	824324	99.2030	6600
* 79 1,4-Dichlorobenzene-d4	152	7.108	7.111	(1.000)	173581	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.908	7.917	(0.890)	363985	42.3181	2800
* 80 Naphthalene-d8	136	8.886	8.892	(1.000)	695845	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.440	10.450	(0.912)	613167	42.0207	2800
* 82 Acenaphthene-d10	164	11.444	11.449	(1.000)	487359	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.608	12.612	(1.102)	149451	72.3936	4800
* 83 Phenanthrene-d10	188	13.585	13.597	(1.000)	629191	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.892	15.898	(0.903)	717367	45.5355	3000
* 81 Chrysene-d12	240	17.590	17.606	(1.000)	692161	40.0000	
* 84 Perylene-d12	264	20.996	21.022	(1.000)	536246	40.0000	


Data File: /chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24453.d
Date : 01-SEP-2006 23:14
Client ID: SB242A
Sample Info: SB242A;MB62513
Column phase: DB-5
Instrument: BNAMS6.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS6.i/8270/08-30-06/01sep06a.b/m24453.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS6

Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

LAB FILE ID: RRF5: M24369 RRF20: M24371 RRF50: M24367
RRF80: M24370 RRF120: M24368

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	1.997	1.940	1.916	1.875	1.884
2-Chlorophenol	1.522	1.336	1.351	1.290	1.253
2-Methylphenol	1.464	1.441	1.380	1.371	1.330
4-Methylphenol	1.589	1.440	1.434	1.410	1.389
2-Nitrophenol	0.233	0.234	0.237	0.224	0.224
2,4-Dimethylphenol	0.350	0.327	0.334	0.322	0.318
2,4-Dichlorophenol	0.334	0.326	0.324	0.311	0.322
4-Chloro-3-methylphenol	0.446	0.424	0.442	0.431	0.428
2,4,6-Trichlorophenol	0.286	0.301	0.273	0.291	0.293
2,4,5-Trichlorophenol	0.350	0.321	0.318	0.312	0.328
2,4-Dinitrophenol	0.128	0.159	0.161	0.186	0.177
4-Nitrophenol	0.313	0.320	0.303	0.332	0.333
4,6-Dinitro-2-methylphenol	0.152	0.166	0.172	0.159	0.159
Pentachlorophenol	0.100	0.117	0.144	0.150	0.157
Benzoic Acid	0.084	0.148	0.195	0.145	0.166
N-Nitrosodimethylamine	0.799	0.846	0.856	0.866	0.816
bis(2-Chloroethyl)ether	1.923	1.537	1.568	1.519	1.416
1,3-Dichlorobenzene	1.584	1.563	1.492	1.506	1.408
1,4-Dichlorobenzene	1.590	1.570	1.478	1.453	1.436
1,2-Dichlorobenzene	1.455	1.494	1.437	1.437	1.336
bis(2-chloroisopropyl)ether	2.011	2.016	1.897	1.764	1.608
N-Nitroso-di-n-propylamine	1.339	1.152	1.166	1.132	1.049
Hexachloroethane	0.833	0.697	0.669	0.664	0.637
Nitrobenzene	0.762	0.632	0.613	0.605	0.603
Isophorone	0.918	0.876	0.886	0.874	0.851
bis(2-Chloroethoxy)methane	0.505	0.482	0.476	0.455	0.460
1,2,4-Trichlorobenzene	0.290	0.277	0.285	0.265	0.268
Naphthalene	0.965	0.988	0.972	0.948	0.982
4-Chloroaniline	0.421	0.410	0.403	0.382	0.381
Hexachlorobutadiene	0.188	0.177	0.179	0.168	0.182
2-Methylnaphthalene	0.699	0.702	0.714	0.707	0.718
Hexachlorocyclopentadiene	0.120	0.148	0.182	0.186	0.203
2-Chloronaphthalene	1.134	1.143	1.024	1.098	1.068
2-Nitroaniline	0.421	0.423	0.416	0.393	0.407
Dimethylphthalate	1.572	1.515	1.449	1.435	1.453
Acenaphthylene	1.846	1.799	1.576	1.654	1.678
2,6-Dinitrotoluene	0.344	0.354	0.331	0.347	0.339
3-Nitroaniline	0.353	0.375	0.331	0.344	0.341
Acenaphthene	1.020	1.074	0.975	1.033	1.080

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6 Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

LAB FILE ID: RRF5: M24369 RRF20: M24371 RRF50: M24367
RRF80: M24370 RRF120: M24368

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.604	1.613	1.539	1.525	1.600
2,4-Dinitrotoluene	0.458	0.472	0.447	0.456	0.445
Diethylphthalate	1.475	1.645	1.431	1.570	1.536
4-Chlorophenyl-phenylether	0.508	0.491	0.470	0.482	0.526
Fluorene	1.308	1.311	1.170	1.225	1.290
4-Nitroaniline	0.347	0.357	0.318	0.338	0.282
N-Nitrosodiphenylamine	0.896	0.735	0.725	0.678	0.734
4-Bromophenyl-phenylether	0.232	0.239	0.248	0.228	0.244
Hexachlorobenzene	0.233	0.233	0.230	0.237	0.248
Phenanthrene	1.201	1.265	1.212	1.145	1.222
Anthracene	1.222	1.193	1.163	1.139	1.139
Carbazole	1.386	1.397	1.372	1.270	1.340
Di-n-butylphthalate	2.312	2.180	2.178	2.060	2.108
Fluoranthene	1.245	1.250	1.198	1.234	1.201
Pyrene	1.226	1.218	1.181	1.172	1.200
Benzidine	0.469	0.409	0.230	0.277	0.218
Butylbenzylphthalate	0.981	1.047	0.973	0.986	0.974
3,3'-Dichlorobenzidine	0.432	0.425	0.431	0.407	0.430
Benzo(a)anthracene	1.195	1.096	1.101	1.159	1.268
Chrysene	1.014	1.052	1.116	1.094	1.164
bis(2-Ethylhexyl)phthalate	1.330	1.313	1.310	1.331	1.406
Di-n-octylphthalate	2.860	2.933	2.781	2.644	2.572
Benzo(b)fluoranthene	1.357	1.287	1.467	1.396	1.672
Benzo(k)fluoranthene	1.447	1.502	1.332	1.277	1.139
Benzo(a)pyrene	1.222	1.242	1.209	1.198	1.242
Indeno(1,2,3-cd)pyrene	1.278	1.222	1.254	1.215	1.206
Dibenz(a,h)anthracene	0.994	1.070	1.107	1.070	1.077
Benzo(g,h,i)perylene	1.052	1.085	1.115	1.032	0.984
Pyridine	1.380	1.436	1.466	1.518	1.436
Aniline	2.312	2.088	1.968	1.969	1.873
Benzyl Alcohol	1.120	1.048	1.068	1.024	0.998
1,2-Diphenylhydrazine	1.376	1.415	1.322	1.231	1.423
Diphenyl	1.516	1.435	1.295	1.398	1.467
Diphenyl Ether	0.777	0.769	0.744	0.709	0.743
Acetophenone	2.466	2.355	2.319	2.262	2.108
1,4-Dioxane	0.507	0.546	0.595	0.565	0.551
N,N-Dimethylaniline	1.954	1.918	1.821	1.850	1.830
2,3,7,8-TCDD (Screen)			0.137		
Benzaldehyde	1.166	1.121	0.964	0.786	0.521

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6

Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

LAB FILE ID: RRF5: M24369 RRF20: M24371 RRF50: M24367
RRF80: M24370 RRF120: M24368

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.153	0.146	0.154	0.136	0.144
Atrazine	0.248	0.247	0.182	0.203	0.188
n-decane	1.364	1.285	1.314	1.183	1.106
Coumarin	0.317	0.297	0.290	0.279	0.279
n-Octadecane	0.707	0.655	0.632	0.588	0.609
o-Tricresylphosphate	0.424	0.398	0.423	0.418	0.439
Carbamazepine	0.619	0.636	0.668	0.646	0.672
1-Methylnaphthalene	0.664	0.659	0.655	0.641	0.666
2-Fluorophenol (SUR)	1.405	1.425	1.472	1.495	1.477
Phenol-d5 (SUR)	1.795	2.022	1.908	1.957	1.874
2,4,6-Tribromophenol (SUR)	0.151	0.166	0.162	0.183	0.196
Nitrobenzene-d5 (SUR)	0.498	0.495	0.505	0.500	0.502
2-Fluorobiphenyl (SUR)	1.296	1.215	1.098	1.164	1.211
Terphenyl-d14 (SUR)	0.954	0.872	0.893	0.880	0.966

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6 Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

RRF10: M24372

COMPOUND	RRF10
Phenol	1.914
2-Chlorophenol	1.313
2-Methylphenol	1.381
4-Methylphenol	1.501
2-Nitrophenol	0.222
2,4-Dimethylphenol	0.306
2,4-Dichlorophenol	0.311
4-Chloro-3-methylphenol	0.399
2,4,6-Trichlorophenol	0.286
2,4,5-Trichlorophenol	0.322
2,4-Dinitrophenol	0.139
4-Nitrophenol	0.314
4,6-Dinitro-2-methylphenol	0.157
Pentachlorophenol	0.101
Benzoic Acid	0.105
N-Nitrosodimethylamine	0.792
bis(2-Chloroethyl)ether	1.542
1,3-Dichlorobenzene	1.574
1,4-Dichlorobenzene	1.523
1,2-Dichlorobenzene	1.500
bis(2-chloroisopropyl)ether	2.028
N-Nitroso-di-n-propylamine	1.163
Hexachloroethane	0.666
Nitrobenzene	0.601
Isophorone	0.860
bis(2-Chloroethoxy)methane	0.465
1,2,4-Trichlorobenzene	0.266
Naphthalene	0.905
4-Chloroaniline	0.376
Hexachlorobutadiene	0.166
2-Methylnaphthalene	0.706
Hexachlorocyclopentadiene	0.115
2-Chloronaphthalene	1.118
2-Nitroaniline	0.425
Dimethylphthalate	1.480
Acenaphthylene	1.780
2,6-Dinitrotoluene	0.379
3-Nitroaniline	0.365
Acenaphthene	1.080

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6 Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

RRF10: M24372

COMPOUND	RRF10
Dibenzofuran	1.587
2,4-Dinitrotoluene	0.475
Diethylphthalate	1.589
4-Chlorophenyl-phenylether	0.502
Fluorene	1.299
4-Nitroaniline	0.349
N-Nitrosodiphenylamine	0.785
4-Bromophenyl-phenylether	0.266
Hexachlorobenzene	0.235
Phenanthrene	1.243
Anthracene	1.276
Carbazole	1.408
Di-n-butylphthalate	2.241
Fluoranthene	1.260
Pyrene	1.287
Benzidine	0.463
Butylbenzylphthalate	1.026
3,3'-Dichlorobenzidine	0.423
Benzo(a)anthracene	1.167
Chrysene	1.143
bis(2-Ethylhexyl)phthalate	1.444
Di-n-octylphthalate	3.058
Benzo(b)fluoranthene	1.289
Benzo(k)fluoranthene	1.446
Benzo(a)pyrene	1.271
Indeno(1,2,3-cd)pyrene	1.268
Dibenz(a,h)anthracene	1.035
Benzo(g,h,i)perylene	1.093
Pyridine	1.308
Aniline	2.066
Benzyl Alcohol	1.039
1,2-Diphenylhydrazine	1.443
Diphenyl	1.431
Diphenyl Ether	0.791
Acetophenone	2.317
1,4-Dioxane	0.511
N,N-Dimethylaniline	1.864
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.098

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6 Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

RRF10: M24372

COMPOUND	RRF10
Caprolactam	0.140
Atrazine	0.247
n-decane	1.307
Coumarin	0.301
n-Octadecane	0.680
o-Tricresylphosphate	0.405
Carbamazepine	0.646
1-Methylnaphthalene	0.628
2-Fluorophenol (SUR)	1.336
Phenol-d5 (SUR)	1.933
2,4,6-Tribromophenol (SUR)	0.158
Nitrobenzene-d5 (SUR)	0.467
2-Fluorobiphenyl (SUR)	1.202
Terphenyl-d14 (SUR)	0.898

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6

Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		1.92104900		2.3*
2-Chlorophenol	AVRG		1.34414488		7.0*
2-Methylphenol	AVRG		1.39468210		3.5*
4-Methylphenol	AVRG		1.46065200		5.0*
2-Nitrophenol	AVRG		0.22907397		2.7*
2,4-Dimethylphenol	AVRG		0.32632179		4.5*
2,4-Dichlorophenol	AVRG		0.32156519		2.8*
4-Chloro-3-methylphenol	AVRG		0.42858781		3.9*
2,4,6-Trichlorophenol	AVRG		0.28846703		3.2*
2,4,5-Trichlorophenol	AVRG		0.32501496		4.0*
2,4-Dinitrophenol	AVRG		0.15844950		13.9**
4-Nitrophenol	AVRG		0.31912921		3.6**
4,6-Dinitro-2-methylphenol	AVRG		0.16083242		4.3*
Pentachlorophenol	2ORDR	0.00000000	7.89388956	-3.3629093	0.996*
Benzoic Acid	AVRG		0.14057287		28.8*
N-Nitrosodimethylamine	AVRG		0.82917945		3.7*
bis(2-Chloroethyl)ether	AVRG		1.58442224		11.0*
1,3-Dichlorobenzene	AVRG		1.52113615		4.4*
1,4-Dichlorobenzene	AVRG		1.50833839		4.2*
1,2-Dichlorobenzene	AVRG		1.44328620		4.1*
bis(2-chloroisopropyl)ether	AVRG		1.88761581		9.0*
N-Nitroso-di-n-propylamine	AVRG		1.16694799		8.1**
Hexachloroethane	AVRG		0.69452577		10.2*
Nitrobenzene	AVRG		0.63607452		9.9*
Isophorone	AVRG		0.87739081		2.7*
bis(2-Chloroethoxy)methane	AVRG		0.47382215		3.9*
1,2,4-Trichlorobenzene	AVRG		0.27538778		3.8*
Naphthalene	AVRG		0.95999884		3.1*
4-Chloroaniline	AVRG		0.39543114		4.6*
Hexachlorobutadiene	AVRG		0.17662965		4.8*
2-Methylnaphthalene	AVRG		0.70776401		1.0*
Hexachlorocyclopentadiene	LINR	0.00000000	5.10199094		0.991**
2-Chloronaphthalene	AVRG		1.09746688		4.1*
2-Nitroaniline	AVRG		0.41410649		3.0*
Dimethylphthalate	AVRG		1.48388007		3.5*
Acenaphthylene	AVRG		1.72228541		5.9*
2,6-Dinitrotoluene	AVRG		0.34922449		4.8*
3-Nitroaniline	AVRG		0.35162471		4.7*
Acenaphthene	AVRG		1.04367178		4.0*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6

Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2
Dibenzofuran	AVRG		1.57804112		2.3*
2,4-Dinitrotoluene	AVRG		0.45905057		2.7*
Diethylphthalate	AVRG		1.54091282		5.0*
4-Chlorophenyl-phenylether	AVRG		0.49648211		4.0*
Fluorene	AVRG		1.26695315		4.5*
4-Nitroaniline	AVRG		0.33186051		8.4*
N-Nitrosodiphenylamine	AVRG		0.75888069		9.9*
4-Bromophenyl-phenylether	AVRG		0.24307897		5.6*
Hexachlorobenzene	AVRG		0.23619259		2.7*
Phenanthrene	AVRG		1.21482275		3.4*
Anthracene	AVRG		1.18857991		4.5*
Carbazole	AVRG		1.36225644		3.7*
Di-n-butylphthalate	AVRG		2.17954781		4.1*
Fluoranthene	AVRG		1.23143528		2.1*
Pyrene	AVRG		1.21401677		3.4*
Benzidine	AVRG		0.34425536		33.7*
Butylbenzylphthalate	AVRG		0.99797292		3.1*
3,3'-Dichlorobenzidine	AVRG		0.42485630		2.2*
Benzo(a)anthracene	AVRG		1.16443767		5.5*
Chrysene	AVRG		1.09739229		5.1*
bis(2-Ethylhexyl)phthalate	AVRG		1.35578934		4.1*
Di-n-octylphthalate	AVRG		2.80798429		6.4*
Benzo(b)fluoranthene	AVRG		1.41138315		10.2*
Benzo(k)fluoranthene	AVRG		1.35701675		10.0*
Benzo(a)pyrene	AVRG		1.23074091		2.1*
Indeno(1,2,3-cd)pyrene	AVRG		1.24063780		2.4*
Dibenz(a,h)anthracene	AVRG		1.05887203		3.7*
Benzo(g,h,i)perylene	AVRG		1.05999707		4.5*
Pyridine	AVRG		1.42410786		5.1*
Aniline	AVRG		2.04610909		7.4*
Benzyl Alcohol	AVRG		1.04964690		4.0*
1,2-Diphenylhydrazine	AVRG		1.36857691		5.8*
Diphenyl	AVRG		1.42357121		5.2*
Diphenyl Ether	AVRG		0.75569720		3.9*
Acetophenone	AVRG		2.30438641		5.1**
1,4-Dioxane	AVRG		0.54578394		6.1**
N,N-Dimethylaniline	AVRG		1.87295371		2.8**
2,3,7,8-TCDD (Screen)	AVRG		0.13678087		0.0**
Benzaldehyde	AVRG		0.94296400		26.3*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS6

Calibration Date(s): 08/30/06 08/30/06

Calibration Time(s): 0816 1135

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.14566132		4.9*
Atrazine	AVRG		0.21912120		14.4*
n-decane	AVRG		1.25960365		7.6*
Coumarin	AVRG		0.29394565		5.0*
n-Octadecane	AVRG		0.64537767		6.9*
o-Tricresylphosphate	AVRG		0.41773508		3.5*
Carbamazepine	AVRG		0.64777993		3.1*
1-Methylnaphthalene	AVRG		0.65207465		2.2*
2-Fluorophenol (SUR)	AVRG		1.43487556		4.1*
Phenol-d5 (SUR)	AVRG		1.91483298		4.0*
2,4,6-Tribromophenol (SUR)	AVRG		0.16943749		10.1*
Nitrobenzene-d5 (SUR)	AVRG		0.49442947		2.8*
2-Fluorobiphenyl (SUR)	AVRG		1.19764043		5.4*
Terphenyl-d14 (SUR)	AVRG		0.91042535		4.4*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/01/06 Time: 2236

Lab File ID: M24452 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.9210000	1.8967318	1.8967318		1.26	20.00	AVRG
2-Chlorophenol	1.3440000	1.2997423	1.2997423		3.29	20.00	AVRG
2-Methylphenol	1.3940000	1.4232179	1.4232179		-2.10	20.00	AVRG
4-Methylphenol	1.4600000	1.4631812	1.4631812		-0.22	20.00	AVRG
2-Nitrophenol	0.2290000	0.2311742	0.2311742		-0.95	20.00	AVRG
2,4-Dimethylphenol	0.3260000	0.3391019	0.3391019		-4.02	20.00	AVRG
2,4-Dichlorophenol	0.3210000	0.3368503	0.3368503		-4.94	20.00	AVRG
4-Chloro-3-methylphenol	0.4280000	0.4556569	0.4556569		-6.46	20.00	AVRG
2,4,6-Trichlorophenol	0.2880000	0.2628859	0.2628859		8.72	20.00	AVRG
2,4,5-Trichlorophenol	0.3250000	0.2866497	0.2866497		11.80	20.00	AVRG
2,4-Dinitrophenol	0.1580000	0.1547315	0.1547315	0.05	2.07	20.00	AVRG
4-Nitrophenol	0.3190000	0.3209300	0.3209300	0.05	-0.60	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1610000	0.1641866	0.1641866		-1.98	20.00	AVRG
Pentachlorophenol	45.573407	50.000000	0.1236003		8.85		2RDR
Benzoic Acid	0.1400000	0.1181511	0.1181511		15.61	20.00	AVRG
N-Nitrosodimethylamine	0.8290000	0.8617627	0.8617627		-3.95	20.00	AVRG
bis(2-Chloroethyl)ether	1.5840000	1.5042368	1.5042368		5.04	20.00	AVRG
1,3-Dichlorobenzene	1.5210000	1.4844527	1.4844527		2.40	20.00	AVRG
1,4-Dichlorobenzene	1.5080000	1.4468731	1.4468731		4.05	20.00	AVRG
1,2-Dichlorobenzene	1.4430000	1.4043501	1.4043501		2.68	20.00	AVRG
bis(2-chloroisopropyl)ether	1.8870000	1.8657359	1.8657359		1.13	20.00	AVRG
N-Nitroso-di-n-propylamine	1.1670000	1.1629035	1.1629035	0.05	0.35	20.00	AVRG
Hexachloroethane	0.6940000	0.6567005	0.6567005		5.37	20.00	AVRG
Nitrobenzene	0.6360000	0.6317016	0.6317016		0.68	20.00	AVRG
Isophorone	0.8780000	0.9056697	0.9056697		-3.15	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4740000	0.4803154	0.4803154		-1.33	20.00	AVRG
1,2,4-Trichlorobenzene	0.2750000	0.2823346	0.2823346		-2.67	20.00	AVRG
Naphthalene	0.9600000	0.9837023	0.9837023		-2.47	20.00	AVRG
4-Chloroaniline	0.3960000	0.4012200	0.4012200		-1.32	20.00	AVRG
Hexachlorobutadiene	0.1770000	0.1780646	0.1780646		-0.60	20.00	AVRG
2-Methylnaphthalene	0.7080000	0.7216370	0.7216370		-1.93	20.00	AVRG
Hexachlorocyclopentadiene	30.160521	50.000000	0.1182304	0.05	39.68		LINR
2-Chloronaphthalene	1.0980000	1.0360334	1.0360334		5.64	20.00	AVRG
2-Nitroaniline	0.4140000	0.4064873	0.4064873		1.81	20.00	AVRG
Dimethylphthalate	1.4840000	1.3833111	1.3833111		6.78	20.00	AVRG
Acenaphthylene	1.7220000	1.5881397	1.5881397		7.77	20.00	AVRG
2,6-Dinitrotoluene	0.3490000	0.3295325	0.3295325		5.58	20.00	AVRG
3-Nitroaniline	0.3520000	0.3299625	0.3299625		6.26	20.00	AVRG
Acenaphthene	1.0440000	0.9593041	0.9593041		8.11	20.00	AVRG
Dibenzofuran	1.5780000	1.4958048	1.4958048		5.21	20.00	AVRG
2,4-Dinitrotoluene	0.4590000	0.4549496	0.4549496		0.88	20.00	AVRG
Diethylphthalate	1.5410000	1.4605582	1.4605582		5.22	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/01/06 Time: 2236

Lab File ID: M24452 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.4960000	0.4487278	0.4487278		9.53	20.00	AVRG	
Fluorene	1.2670000	1.2342797	1.2342797		2.58	20.00	AVRG	
4-Nitroaniline	0.3320000	0.3374534	0.3374534		-1.64	20.00	AVRG	
N-Nitrosodiphenylamine	0.7590000	0.7134008	0.7134008		6.01	20.00	AVRG	
4-Bromophenyl-phenylether	0.2430000	0.2450823	0.2450823		-0.86	20.00	AVRG	
Hexachlorobenzene	0.2360000	0.2282615	0.2282615		3.28	20.00	AVRG	
Phenanthrene	1.2150000	1.1548828	1.1548828		4.95	20.00	AVRG	
Anthracene	1.1890000	1.1260686	1.1260686		5.29	20.00	AVRG	
Carbazole	1.3620000	1.3171767	1.3171767		3.29	20.00	AVRG	
Di-n-butylphthalate	2.1800000	2.0239895	2.0239895		7.16	20.00	AVRG	
Fluoranthene	1.2310000	1.1723593	1.1723593		4.76	20.00	AVRG	
Pyrene	1.2140000	1.1226783	1.1226783		7.52	20.00	AVRG	
Benzidine	0.3440000	0.2419656	0.2419656		29.66	20.00	AVRG	<-
Butylbenzylphthalate	0.9980000	0.9184161	0.9184161		7.97	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4250000	0.4349057	0.4349057		-2.33	20.00	AVRG	
Benzo(a)anthracene	1.1640000	1.0768539	1.0768539		7.49	20.00	AVRG	
Chrysene	1.0970000	1.0826508	1.0826508		1.31	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	1.3560000	1.2961221	1.2961221		4.42	20.00	AVRG	
Di-n-octylphthalate	2.8080000	2.6120131	2.6120131		6.98	20.00	AVRG	
Benzo(b)fluoranthene	1.4110000	1.3537402	1.3537402		4.06	20.00	AVRG	
Benzo(k)fluoranthene	1.3570000	1.3914517	1.3914517		-2.54	20.00	AVRG	
Benzo(a)pyrene	1.2310000	1.1945036	1.1945036		2.96	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2400000	1.2462146	1.2462146		-0.50	20.00	AVRG	
Dibenz(a,h)anthracene	1.0590000	1.0785213	1.0785213		-1.84	20.00	AVRG	
Benzo(g,h,i)perylene	1.0600000	1.0696553	1.0696553		-0.91	20.00	AVRG	
Pyridine	1.4240000	1.4322849	1.4322849		-0.58	20.00	AVRG	
Aniline	2.0460000	1.9669739	1.9669739		3.86	20.00	AVRG	
Benzyl Alcohol	1.0500000	1.0629172	1.0629172		-1.23	20.00	AVRG	
1,2-Diphenylhydrazine	1.3680000	1.2792506	1.2792506		6.49	20.00	AVRG	
Diphenyl	1.4240000	1.2815333	1.2815333		10.00	20.00	AVRG	
Diphenyl Ether	0.7560000	0.6933257	0.6933257		8.29	20.00	AVRG	
Acetophenone	2.3040000	2.2626965	2.2626965	0.01	1.79	20.00	AVRG	
1,4-Dioxane	0.5460000	0.5405555	0.5405555	0.01	1.00	20.00	AVRG	
N,N-Dimethylaniline	1.8730000	1.8782658	1.8782658	0.01	-0.28	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1370000	0.1565558	0.1565558	0.01	-14.27	20.00	AVRG	
Benzaldehyde	0.9430000	0.9563573	0.9563573		-1.42	20.00	AVRG	
Caprolactam	0.1460000	0.1601836	0.1601836		-9.71	20.00	AVRG	
Atrazine	0.2190000	0.1708310	0.1708310		21.99	20.00	AVRG	<-
n-decane	1.2600000	1.2405194	1.2405194		1.55	20.00	AVRG	
Coumarin	0.2940000	0.3015247	0.3015247		-2.56	20.00	AVRG	
n-Octadecane	0.6450000	0.6264269	0.6264269		2.88	20.00	AVRG	
o-Tricresylphosphate	0.4180000	0.4144594	0.4144594		0.85	20.00	AVRG	

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/01/06 Time: 2236

Lab File ID: M24452 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6480000	0.6603274	0.6603274		-1.90	20.00	AVRG
1-Methylnaphthalene	0.6520000	0.6835139	0.6835139		-4.83	20.00	AVRG
2-Fluorophenol (SUR)	1.4350000	1.4561294	1.4561294		-1.47	20.00	AVRG
Phenol-d5 (SUR)	1.9150000	1.8928540	1.8928540		1.16	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.1690000	0.1674426	0.1674426		0.92	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4940000	0.5045376	0.5045376		-2.13	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1980000	1.1063377	1.1063377		7.65	20.00	AVRG
Terphenyl-d14 (SUR)	0.9100000	0.8624891	0.8624891		5.22	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 4.896661758
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/02/06 Time: 1415

Lab File ID: M24467 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Phenol	1.9210000	1.8886867	1.8886867		1.68	20.00	AVRG	
2-Chlorophenol	1.3440000	1.3425703	1.3425703		0.11	20.00	AVRG	
2-Methylphenol	1.3940000	1.4497519	1.4497519		-4.00	20.00	AVRG	
4-Methylphenol	1.4600000	1.5227489	1.5227489		-4.30	20.00	AVRG	
2-Nitrophenol	0.2290000	0.2507924	0.2507924		-9.52	20.00	AVRG	
2,4-Dimethylphenol	0.3260000	0.3437732	0.3437732		-5.45	20.00	AVRG	
2,4-Dichlorophenol	0.3210000	0.3422976	0.3422976		-6.63	20.00	AVRG	
4-Chloro-3-methylphenol	0.4280000	0.4688893	0.4688893		-9.55	20.00	AVRG	
2,4,6-Trichlorophenol	0.2880000	0.2884454	0.2884454		-0.15	20.00	AVRG	
2,4,5-Trichlorophenol	0.3250000	0.3015189	0.3015189		7.22	20.00	AVRG	
2,4-Dinitrophenol	0.1580000	0.1687502	0.1687502	0.05	-6.80	20.00	AVRG	
4-Nitrophenol	0.3190000	0.3069142	0.3069142	0.05	3.79	20.00	AVRG	
4,6-Dinitro-2-methylphenol	0.1610000	0.1718189	0.1718189		-6.72	20.00	AVRG	
Pentachlorophenol	53.667923	50.000000	0.1475699		-7.34		2RDR	
Benzoic Acid	0.1400000	0.1849273	0.1849273		-32.09	20.00	AVRG	<-
N-Nitrosodimethylamine	0.8290000	0.8415647	0.8415647		-1.52	20.00	AVRG	
bis(2-Chloroethyl)ether	1.5840000	1.5661297	1.5661297		1.13	20.00	AVRG	
1,3-Dichlorobenzene	1.5210000	1.4671154	1.4671154		3.54	20.00	AVRG	
1,4-Dichlorobenzene	1.5080000	1.4737843	1.4737843		2.27	20.00	AVRG	
1,2-Dichlorobenzene	1.4430000	1.4048991	1.4048991		2.64	20.00	AVRG	
bis(2-chloroisopropyl)ether	1.8870000	1.9333477	1.9333477		-2.46	20.00	AVRG	
N-Nitroso-di-n-propylamine	1.1670000	1.1751108	1.1751108	0.05	-0.70	20.00	AVRG	
Hexachloroethane	0.6940000	0.6731823	0.6731823		3.00	20.00	AVRG	
Nitrobenzene	0.6360000	0.6458540	0.6458540		-1.55	20.00	AVRG	
Isophorone	0.8780000	0.9269892	0.9269892		-5.58	20.00	AVRG	
bis(2-Chloroethoxy)methane	0.4740000	0.5046209	0.5046209		-6.46	20.00	AVRG	
1,2,4-Trichlorobenzene	0.2750000	0.2928602	0.2928602		-6.49	20.00	AVRG	
Naphthalene	0.9600000	0.9971539	0.9971539		-3.87	20.00	AVRG	
4-Chloroaniline	0.3960000	0.4143801	0.4143801		-4.64	20.00	AVRG	
Hexachlorobutadiene	0.1770000	0.1874682	0.1874682		-5.91	20.00	AVRG	
2-Methylnaphthalene	0.7080000	0.7793768	0.7793768		-10.08	20.00	AVRG	
Hexachlorocyclopentadiene	35.269552	50.000000	0.1382580	0.05	29.46		LINR	
2-Chloronaphthalene	1.0980000	1.0429532	1.0429532		5.01	20.00	AVRG	
2-Nitroaniline	0.4140000	0.4025781	0.4025781		2.76	20.00	AVRG	
Dimethylphthalate	1.4840000	1.4345096	1.4345096		3.33	20.00	AVRG	
Acenaphthylene	1.7220000	1.5832944	1.5832944		8.05	20.00	AVRG	
2,6-Dinitrotoluene	0.3490000	0.3396986	0.3396986		2.66	20.00	AVRG	
3-Nitroaniline	0.3520000	0.3362271	0.3362271		4.48	20.00	AVRG	
Acenaphthene	1.0440000	0.9722413	0.9722413		6.87	20.00	AVRG	
Dibenzofuran	1.5780000	1.5203821	1.5203821		3.65	20.00	AVRG	
2,4-Dinitrotoluene	0.4590000	0.4729100	0.4729100		-3.03	20.00	AVRG	
Diethylphthalate	1.5410000	1.5274766	1.5274766		0.88	20.00	AVRG	

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/02/06 Time: 1415

Lab File ID: M24467 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.4960000	0.4621586	0.4621586		6.82	20.00	AVRG	
Fluorene	1.2670000	1.2288819	1.2288819		3.01	20.00	AVRG	
4-Nitroaniline	0.3320000	0.3414291	0.3414291		-2.84	20.00	AVRG	
N-Nitrosodiphenylamine	0.7590000	0.7154224	0.7154224		5.74	20.00	AVRG	
4-Bromophenyl-phenylether	0.2430000	0.2455916	0.2455916		-1.07	20.00	AVRG	
Hexachlorobenzene	0.2360000	0.2268179	0.2268179		3.89	20.00	AVRG	
Phenanthrene	1.2150000	1.1859388	1.1859388		2.39	20.00	AVRG	
Anthracene	1.1890000	1.1927385	1.1927385		-0.31	20.00	AVRG	
Carbazole	1.3620000	1.3349713	1.3349713		1.98	20.00	AVRG	
Di-n-butylphthalate	2.1800000	2.0955849	2.0955849		3.87	20.00	AVRG	
Fluoranthene	1.2310000	1.1967957	1.1967957		2.78	20.00	AVRG	
Pyrene	1.2140000	1.1235846	1.1235846		7.45	20.00	AVRG	
Benzidine	0.3440000	0.2390651	0.2390651		30.50	20.00	AVRG	<-
Butylbenzylphthalate	0.9980000	0.9355067	0.9355067		6.26	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4250000	0.4371057	0.4371057		-2.85	20.00	AVRG	
Benzo(a)anthracene	1.1640000	1.0863153	1.0863153		6.67	20.00	AVRG	
Chrysene	1.0970000	1.1087556	1.1087556		-1.07	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	1.3560000	1.2584817	1.2584817		7.19	20.00	AVRG	
Di-n-octylphthalate	2.8080000	2.7039418	2.7039418		3.70	20.00	AVRG	
Benzo(b)fluoranthene	1.4110000	1.3911283	1.3911283		1.41	20.00	AVRG	
Benzo(k)fluoranthene	1.3570000	1.3563452	1.3563452		0.05	20.00	AVRG	
Benzo(a)pyrene	1.2310000	1.2454682	1.2454682		-1.18	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2400000	1.2748868	1.2748868		-2.81	20.00	AVRG	
Dibenz(a,h)anthracene	1.0590000	1.1392591	1.1392591		-7.58	20.00	AVRG	
Benzo(g,h,i)perylene	1.0600000	1.1390389	1.1390389		-7.46	20.00	AVRG	
Pyridine	1.4240000	1.4504730	1.4504730		-1.86	20.00	AVRG	
Aniline	2.0460000	1.9138009	1.9138009		6.46	20.00	AVRG	
Benzyl Alcohol	1.0500000	1.0863712	1.0863712		-3.46	20.00	AVRG	
1,2-Diphenylhydrazine	1.3680000	1.3068160	1.3068160		4.47	20.00	AVRG	
Diphenyl	1.4240000	1.3149686	1.3149686		7.66	20.00	AVRG	
Diphenyl Ether	0.7560000	0.7014223	0.7014223		7.22	20.00	AVRG	
Acetophenone	2.3040000	2.2869864	2.2869864	0.01	0.74	20.00	AVRG	
1,4-Dioxane	0.5460000	0.5456401	0.5456401	0.01	0.06	20.00	AVRG	
N,N-Dimethylaniline	1.8730000	1.8311611	1.8311611	0.01	2.23	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1370000	0.1276668	0.1276668	0.01	6.81	20.00	AVRG	
Benzaldehyde	0.9430000	1.0459477	1.0459477		-10.92	20.00	AVRG	
Caprolactam	0.1460000	0.1756938	0.1756938		-20.34	20.00	AVRG	<-
Atrazine	0.2190000	0.1752033	0.1752033		20.00	20.00	AVRG	
n-decane	1.2600000	1.2641151	1.2641151		-0.33	20.00	AVRG	
Coumarin	0.2940000	0.3144053	0.3144053		-6.94	20.00	AVRG	
n-Octadecane	0.6450000	0.6273350	0.6273350		2.74	20.00	AVRG	
o-Tricresylphosphate	0.4180000	0.4244672	0.4244672		-1.55	20.00	AVRG	

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/02/06 Time: 1415

Lab File ID: M24467 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6480000	0.6808727	0.6808727		-5.07	20.00	AVRG
1-Methylnaphthalene	0.6520000	0.7001631	0.7001631		-7.39	20.00	AVRG
2-Fluorophenol (SUR)	1.4350000	1.5369104	1.5369104		-7.10	20.00	AVRG
Phenol-d5 (SUR)	1.9150000	1.9998048	1.9998048		-4.43	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.1690000	0.1776784	0.1776784		-5.14	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4940000	0.5353346	0.5353346		-8.37	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1980000	1.1764755	1.1764755		1.80	20.00	AVRG
Terphenyl-d14 (SUR)	0.9100000	0.9006089	0.9006089		1.03	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 5.453239441
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/05/06 Time: 0938

Lab File ID: M24484 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Phenol	1.9210000	1.9056154	1.9056154		0.80	20.00	AVRG	
2-Chlorophenol	1.3440000	1.3265703	1.3265703		1.30	20.00	AVRG	
2-Methylphenol	1.3940000	1.3223089	1.3223089		5.14	20.00	AVRG	
4-Methylphenol	1.4600000	1.4330149	1.4330149		1.85	20.00	AVRG	
2-Nitrophenol	0.2290000	0.2357319	0.2357319		-2.94	20.00	AVRG	
2,4-Dimethylphenol	0.3260000	0.3101835	0.3101835		4.85	20.00	AVRG	
2,4-Dichlorophenol	0.3210000	0.3235653	0.3235653		-0.80	20.00	AVRG	
4-Chloro-3-methylphenol	0.4280000	0.4263574	0.4263574		0.38	20.00	AVRG	
2,4,6-Trichlorophenol	0.2880000	0.2921893	0.2921893		-1.45	20.00	AVRG	
2,4,5-Trichlorophenol	0.3250000	0.3069693	0.3069693		5.55	20.00	AVRG	
2,4-Dinitrophenol	0.1580000	0.1837077	0.1837077	0.05	-16.27	20.00	AVRG	
4-Nitrophenol	0.3190000	0.3278521	0.3278521	0.05	-2.77	20.00	AVRG	
4,6-Dinitro-2-methylphenol	0.1610000	0.1790934	0.1790934		-11.24	20.00	AVRG	
Pentachlorophenol	53.001168	50.000000	0.1455681		-6.00		2RDR	
Benzoic Acid	0.1400000	0.1947314	0.1947314		-39.09	20.00	AVRG	<-
N-Nitrosodimethylamine	0.8290000	0.8343781	0.8343781		-0.65	20.00	AVRG	
bis(2-Chloroethyl)ether	1.5840000	1.4974931	1.4974931		5.46	20.00	AVRG	
1,3-Dichlorobenzene	1.5210000	1.5626620	1.5626620		-2.74	20.00	AVRG	
1,4-Dichlorobenzene	1.5080000	1.4750015	1.4750015		2.19	20.00	AVRG	
1,2-Dichlorobenzene	1.4430000	1.4265945	1.4265945		1.14	20.00	AVRG	
bis(2-chloroisopropyl)ether	1.8870000	1.8799970	1.8799970		0.37	20.00	AVRG	
N-Nitroso-di-n-propylamine	1.1670000	1.2250611	1.2250611	0.05	-4.98	20.00	AVRG	
Hexachloroethane	0.6940000	0.6804675	0.6804675		1.95	20.00	AVRG	
Nitrobenzene	0.6360000	0.6389297	0.6389297		-0.46	20.00	AVRG	
Isophorone	0.8780000	0.8992044	0.8992044		-2.42	20.00	AVRG	
bis(2-Chloroethoxy)methane	0.4740000	0.4674187	0.4674187		1.39	20.00	AVRG	
1,2,4-Trichlorobenzene	0.2750000	0.2818673	0.2818673		-2.50	20.00	AVRG	
Naphthalene	0.9600000	0.9667241	0.9667241		-0.70	20.00	AVRG	
4-Chloroaniline	0.3960000	0.3911130	0.3911130		1.23	20.00	AVRG	
Hexachlorobutadiene	0.1770000	0.1781404	0.1781404		-0.64	20.00	AVRG	
2-Methylnaphthalene	0.7080000	0.7407862	0.7407862		-4.63	20.00	AVRG	
Hexachlorocyclopentadiene	38.635588	50.000000	0.1514530	0.05	22.73		LINR	
2-Chloronaphthalene	1.0980000	1.0740239	1.0740239		2.18	20.00	AVRG	
2-Nitroaniline	0.4140000	0.4264364	0.4264364		-3.00	20.00	AVRG	
Dimethylphthalate	1.4840000	1.4505256	1.4505256		2.26	20.00	AVRG	
Acenaphthylene	1.7220000	1.6494677	1.6494677		4.21	20.00	AVRG	
2,6-Dinitrotoluene	0.3490000	0.3521529	0.3521529		-0.90	20.00	AVRG	
3-Nitroaniline	0.3520000	0.3520594	0.3520594		-0.02	20.00	AVRG	
Acenaphthene	1.0440000	0.9976754	0.9976754		4.44	20.00	AVRG	
Dibenzofuran	1.5780000	1.5653435	1.5653435		0.80	20.00	AVRG	
2,4-Dinitrotoluene	0.4590000	0.4732150	0.4732150		-3.10	20.00	AVRG	
Diethylphthalate	1.5410000	1.5852228	1.5852228		-2.87	20.00	AVRG	

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/05/06 Time: 0938

Lab File ID: M24484 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.4960000	0.5060642	0.5060642		-2.03	20.00	AVRG	
Fluorene	1.2670000	1.2659588	1.2659588		0.08	20.00	AVRG	
4-Nitroaniline	0.3320000	0.3544456	0.3544456		-6.76	20.00	AVRG	
N-Nitrosodiphenylamine	0.7590000	0.7164779	0.7164779		5.60	20.00	AVRG	
4-Bromophenyl-phenylether	0.2430000	0.2429519	0.2429519		0.02	20.00	AVRG	
Hexachlorobenzene	0.2360000	0.2384084	0.2384084		-1.02	20.00	AVRG	
Phenanthrene	1.2150000	1.1572525	1.1572525		4.75	20.00	AVRG	
Anthracene	1.1890000	1.1661097	1.1661097		1.92	20.00	AVRG	
Carbazole	1.3620000	1.3400584	1.3400584		1.61	20.00	AVRG	
Di-n-butylphthalate	2.1800000	2.1520458	2.1520458		1.28	20.00	AVRG	
Fluoranthene	1.2310000	1.2162063	1.2162063		1.20	20.00	AVRG	
Pyrene	1.2140000	1.2294235	1.2294235		-1.27	20.00	AVRG	
Benzidine	0.3440000	0.2382491	0.2382491		30.74	20.00	AVRG	<-
Butylbenzylphthalate	0.9980000	0.9901372	0.9901372		0.79	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4250000	0.4431236	0.4431236		-4.26	20.00	AVRG	
Benzo(a)anthracene	1.1640000	1.1348902	1.1348902		2.50	20.00	AVRG	
Chrysene	1.0970000	1.1078951	1.1078951		-0.99	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	1.3560000	1.3408846	1.3408846		1.11	20.00	AVRG	
Di-n-octylphthalate	2.8080000	2.8879038	2.8879038		-2.84	20.00	AVRG	
Benzo(b)fluoranthene	1.4110000	1.3584537	1.3584537		3.72	20.00	AVRG	
Benzo(k)fluoranthene	1.3570000	1.5419790	1.5419790		-13.63	20.00	AVRG	
Benzo(a)pyrene	1.2310000	1.2466793	1.2466793		-1.27	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2400000	1.2767427	1.2767427		-2.96	20.00	AVRG	
Dibenz(a,h)anthracene	1.0590000	1.0975606	1.0975606		-3.64	20.00	AVRG	
Benzo(g,h,i)perylene	1.0600000	1.1059197	1.1059197		-4.33	20.00	AVRG	
Pyridine	1.4240000	1.3833599	1.3833599		2.85	20.00	AVRG	
Aniline	2.0460000	1.9370569	1.9370569		5.32	20.00	AVRG	
Benzyl Alcohol	1.0500000	1.0151551	1.0151551		3.32	20.00	AVRG	
1,2-Diphenylhydrazine	1.3680000	1.3257537	1.3257537		3.09	20.00	AVRG	
Diphenyl	1.4240000	1.3445817	1.3445817		5.58	20.00	AVRG	
Diphenyl Ether	0.7560000	0.7119200	0.7119200		5.83	20.00	AVRG	
Acetophenone	2.3040000	2.2675432	2.2675432	0.01	1.58	20.00	AVRG	
1,4-Dioxane	0.5460000	0.5023568	0.5023568	0.01	7.99	20.00	AVRG	
N,N-Dimethylaniline	1.8730000	1.8057547	1.8057547	0.01	3.59	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1370000	0.1400244	0.1400244	0.01	-2.21	20.00	AVRG	
Benzaldehyde	0.9430000	1.0354009	1.0354009		-9.80	20.00	AVRG	
Caprolactam	0.1460000	0.1551837	0.1551837		-6.29	20.00	AVRG	
Atrazine	0.2190000	0.1709821	0.1709821		21.92	20.00	AVRG	<-
n-decane	1.2600000	1.2368175	1.2368175		1.84	20.00	AVRG	
Coumarin	0.2940000	0.2927311	0.2927311		0.43	20.00	AVRG	
n-Octadecane	0.6450000	0.6339888	0.6339888		1.71	20.00	AVRG	
o-Tricresylphosphate	0.4180000	0.4306243	0.4306243		-3.02	20.00	AVRG	

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W421

Instrument ID: BNAMS6 Calibration Date: 09/05/06 Time: 0938

Lab File ID: M24484 Init. Calib. Date(s): 08/30/06 08/30/06

Init. Calib. Times: 0816 1135

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6480000	0.6655126	0.6655126		-2.70	20.00	AVRG
1-Methylnaphthalene	0.6520000	0.6527934	0.6527934		-0.12	20.00	AVRG
2-Fluorophenol (SUR)	1.4350000	1.4066524	1.4066524		1.98	20.00	AVRG
Phenol-d5 (SUR)	1.9150000	1.9470880	1.9470880		-1.68	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.1690000	0.1740893	0.1740893		-3.01	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4940000	0.5165657	0.5165657		-4.57	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1980000	1.1410540	1.1410540		4.75	20.00	AVRG
Terphenyl-d14 (SUR)	0.9100000	0.9007955	0.9007955		1.01	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 4.198557377
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: SOIL Level: LOW Lab Job No: W421

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SB242A	101	99	72	85	84	91	0
02	765863	88	91	68	78	76	94	0
03	765877	96	95	71	84	84	88	0
04	765876R1	75	74	65	70	74	104	0
05	765862	88	89	73	89	89	159D	0
06	765876	76	74	60	73	73	80	0
07	765862R1	87	86	70	82	87	145D	0
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
S1	= 2-Fluorophenol	(38-135)
S2	= Phenol-d5	(40-137)
S3	= 2,4,6-Tribromophenol	(12-151)
S4	= Nitrobenzene-d5	(51-122)
S5	= 2-Fluorobiphenyl	(60-123)
S6	= Terphenyl-d14	(48-142)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8270C

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 764976

MS Sample from Lab Job No: W287

QA Batch: 4556

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	7300	0.00	4800	66	50-131
2-Chlorophenol	7300	0.00	5200	71	57-126
4-Chloro-3-methylphenol	7300	0.00	5500	75	68-130
4-Nitrophenol	7300	0.00	5200	71	48-137
Pentachlorophenol	7300	0.00	2300	32	0-147
1,4-Dichlorobenzene	3600	0.00	1800	50	50-100
N-Nitroso-di-n-propylami	3600	0.00	2400	67	60-115
1,2,4-Trichlorobenzene	3600	0.00	2200	61	60-112
Acenaphthene	3600	0.00	2600	72	66-114
2,4-Dinitrotoluene	3600	0.00	2800	78	64-121
Pyrene	3600	0.00	3200	89	38-179

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	7300	5200	71	8	40	50-131
2-Chlorophenol	7300	5500	75	6	40	57-126
4-Chloro-3-methylphenol	7300	5900	81	7	40	68-130
4-Nitrophenol	7300	4800	66	8	40	48-137
Pentachlorophenol	7300	2400	33	4	40	0-147
1,4-Dichlorobenzene	3600	2100	58	15	40	50-100
N-Nitroso-di-n-propylami	3600	2600	72	8	40	60-115
1,2,4-Trichlorobenzene	3600	2500	69	13	40	60-112
Acenaphthene	3600	2700	75	4	40	66-114
2,4-Dinitrotoluene	3600	3100	86	10	40	64-121
Pyrene	3600	3200	89	0	40	38-179

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): M24452 Date Analyzed: 09/01/06

Instrument ID: BNAMS6 Time Analyzed: 2236

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(CRY) AREA	#	RT	#
	12 HOUR STD	240961		7.11		883621		8.89		816578		17.61	
	UPPER LIMIT	481922		7.61		1767242		9.39		1633156		18.11	
	LOWER LIMIT	120480		6.61		441810		8.39		408289		17.11	
	LABORATORY SAMPLE NO.												
01	SB242A	173581		7.11		695845		8.89		692161		17.59	
02	765863	196940		7.11		772011		8.89		668988		17.59	
03	765877	185201		7.11		726507		8.89		678817		17.59	
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): M24452 Date Analyzed: 09/01/06

Instrument ID: BNAMS6 Time Analyzed: 2236

		IS4(ANT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	610239		11.45		751545		13.60		689912		21.02	
	UPPER LIMIT	1220478		11.95		1503090		14.10		1379824		21.52	
	LOWER LIMIT	305120		10.95		375772		13.10		344956		20.52	
	LABORATORY SAMPLE NO.												
01	SB242A	487359		11.44		629191		13.59		536246		21.00	
02	765863	533670		11.45		706918		13.59		552516		21.00	
03	765877	499347		11.45		633087		13.59		523229		21.01	
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): M24467 Date Analyzed: 09/02/06

Instrument ID: BNAMS6 Time Analyzed: 1415

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	241840	7.24	875596	9.03	835926	17.80
	UPPER LIMIT	483680	7.74	1751192	9.53	1671852	18.30
	LOWER LIMIT	120920	6.74	437798	8.53	417963	17.30
	LABORATORY SAMPLE NO.						
01	765876R1	231298	7.23	872212	9.02	510615	17.78
02	765862	213629	7.23	819537	9.02	292407*	17.78
03							
04							
05							
06							
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14							
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16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): M24467 Date Analyzed: 09/02/06

Instrument ID: BNAMS6 Time Analyzed: 1415

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	612536	11.59	752625	13.74	708504	21.34
	UPPER LIMIT	1225072	12.09	1505250	14.24	1417008	21.84
	LOWER LIMIT	306268	11.09	376312	13.24	354252	20.84
	LABORATORY SAMPLE NO.						
01	765876R1	556406	11.58	688245	13.73	170590*	21.30
02	765862	511503	11.59	609979	13.73	84462*	21.32
03							
04							
05							
06							
07							
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18							
19							
20							
21							
22							

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): M24484 Date Analyzed: 09/05/06

Instrument ID: BNAMS6 Time Analyzed: 0938

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	239734	7.05	883227	8.84	762153	17.53
	UPPER LIMIT	479468	7.55	1766454	9.34	1524306	18.03
	LOWER LIMIT	119867	6.55	441614	8.34	381076	17.03
	LABORATORY SAMPLE NO.						
01	765876	204850	7.05	789708	8.84	586240	17.53
02	765862R1	240822	7.06	965479	8.84	370898*	17.53
03							
04							
05							
06							
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17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): M24484 Date Analyzed: 09/05/06

Instrument ID: BNAMS6 Time Analyzed: 0938

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	565250	11.39	713277	13.53	613557	20.88
	UPPER LIMIT	1130500	11.89	1426554	14.03	1227114	21.38
	LOWER LIMIT	282625	10.89	356638	13.03	306778	20.38
	LABORATORY SAMPLE NO.						
01	765876	497293	11.39	594190	13.53	292552*	20.89
02	765862R1	572060	11.39	681610	13.54	111779*	20.89
03							
04							
05							
06							
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22							

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Metals Forms and Data

Analytical Results Summary

Client ID: **B1301-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765862
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	33.4	0.72		P
Beryllium	0.52	0.068		P
Cadmium	0.58	0.090	B	P
Chromium	46.7	0.36		P
Copper	109	0.84	*	P
Lead	288	0.61		P
Mercury	0.28	0.019	*	CV
Nickel	58.9	0.54		P
Selenium	2.3	0.95		P
Silver	0.53	0.32	B	P
Thallium	ND	1.1		P
Zinc	112	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1301-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765863
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 13.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	30.3	0.74		P
Beryllium	0.32	0.069	B	P
Cadmium	ND	0.092		P
Chromium	61.0	0.37		P
Copper	24.8	0.85	*	P
Lead	6.8	0.62		P
Mercury	ND	0.019	*	CV
Nickel	280	0.55		P
Selenium	ND	0.97		P
Silver	0.38	0.32	B	P
Thallium	ND	1.1		P
Zinc	39.7	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B201-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765864
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 7.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.8	0.63		P
Beryllium	0.26	0.059	B	P
Cadmium	0.17	0.079	B	P
Chromium	21.6	0.32		P
Copper	32.4	0.73	*	P
Lead	80.9	0.53		P
Mercury	0.07	0.018	*	CV
Nickel	28.9	0.47		P
Selenium	ND	0.83		P
Silver	0.35	0.28	B	P
Thallium	ND	0.93		P
Zinc	77.4	1.1		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B201-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765865
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	5.8	0.72		P
Beryllium	0.49	0.068		P
Cadmium	0.60	0.091	B	P
Chromium	57.4	0.36		P
Copper	55.4	0.84	*	P
Lead	268	0.61		P
Mercury	0.36	0.019	*	CV
Nickel	98.5	0.54		P
Selenium	ND	0.95		P
Silver	0.41	0.32	B	P
Thallium	ND	1.1		P
Zinc	125	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765866
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 9.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	8.2	0.71		P
Beryllium	0.43	0.067		P
Cadmium	ND	0.089		P
Chromium	26.1	0.35		P
Copper	61.1	0.82	*	P
Lead	130	0.60		P
Mercury	0.57	0.018	*	CV
Nickel	80.9	0.53		P
Selenium	ND	0.93		P
Silver	0.39	0.31	B	P
Thallium	ND	1.0		P
Zinc	113	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765867
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.2	0.72		P
Beryllium	0.54	0.067		P
Cadmium	ND	0.090		P
Chromium	26.3	0.36		P
Copper	24.6	0.83	*	P
Lead	11.3	0.61		P
Mercury	0.24	0.019	*	CV
Nickel	121	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	43.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS02D**
Site: **Sun Chemical SI**

Lab Sample No: 765868
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	2.8	0.65		P
Beryllium	0.50	0.061		P
Cadmium	ND	0.081		P
Chromium	25.9	0.32		P
Copper	29.0	0.75	*	P
Lead	9.1	0.55		P
Mercury	0.19	0.019	*	CV
Nickel	143	0.49		P
Selenium	ND	0.85		P
Silver	0.40	0.28	B	P
Thallium	ND	0.95		P
Zinc	81.0	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B202-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765869
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 13.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	2.0	0.67		P
Beryllium	0.53	0.063		P
Cadmium	ND	0.084		P
Chromium	21.2	0.34		P
Copper	21.5	0.78	*	P
Lead	6.8	0.57		P
Mercury	ND	0.019	*	CV
Nickel	38.9	0.50		P
Selenium	ND	0.88		P
Silver	ND	0.29		P
Thallium	ND	0.99		P
Zinc	35.4	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765870
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	8.7	0.72		P
Beryllium	0.48	0.067		P
Cadmium	0.13	0.089	B	P
Chromium	35.4	0.36		P
Copper	53.4	0.83	*	P
Lead	147	0.60		P
Mercury	0.27	0.019	*	CV
Nickel	116	0.54		P
Selenium	ND	0.94		P
Silver	0.42	0.31	B	P
Thallium	ND	1.1		P
Zinc	164	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765871
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	9.7	0.72		P
Beryllium	0.51	0.068		P
Cadmium	0.19	0.090	B	P
Chromium	28.5	0.36		P
Copper	51.5	0.84	*	P
Lead	287	0.61		P
Mercury	0.83	0.019	*	CV
Nickel	123	0.54		P
Selenium	ND	0.95		P
Silver	0.62	0.32	B	P
Thallium	ND	1.1		P
Zinc	157	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 765872
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	4.4	0.72		P
Beryllium	0.53	0.067		P
Cadmium	ND	0.090		P
Chromium	29.9	0.36		P
Copper	33.0	0.83	*	P
Lead	61.0	0.61		P
Mercury	0.12	0.019	*	CV
Nickel	139	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	54.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW5-SS03D**
Site: **Sun Chemical SI**

Lab Sample No: 765873
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 11.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	3.5	0.72		P
Beryllium	0.48	0.067		P
Cadmium	0.17	0.090	B	P
Chromium	26.1	0.36		P
Copper	30.1	0.83	*	P
Lead	22.3	0.61		P
Mercury	0.06	0.016	*	CV
Nickel	150	0.54		P
Selenium	ND	0.94		P
Silver	0.57	0.31	B	P
Thallium	ND	1.1		P
Zinc	66.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B301-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 765874
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 15.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	6.2	1.4	N	P
Arsenic	44.4	0.76		P
Beryllium	0.40	0.071	B	P
Cadmium	1.4	0.095		P
Chromium	138	0.38		P
Copper	101	0.88	*	P
Lead	1120	0.64		P
Mercury	0.89	0.020	*	CV
Nickel	36.4	0.57		P
Selenium	ND	1.00		P
Silver	0.51	0.33	B	P
Thallium	ND	1.1		P
Zinc	330	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B301-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 765875
Lab Job No: W421

Date Sampled: 08/30/06
Date Received: 08/30/06

Matrix: SOLID
Level: LOW
% Moisture: 12.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	10.4	0.73		P
Beryllium	0.56	0.069		P
Cadmium	0.23	0.092	B	P
Chromium	74.9	0.37		P
Copper	70.0	0.85	*	P
Lead	178	0.62		P
Mercury	0.24	0.019	*	CV
Nickel	186	0.55		P
Selenium	ND	0.96		P
Silver	0.42	0.32	B	P
Thallium	ND	1.1		P
Zinc	243	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _W421 Batch No.: 21230_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Arsenic	4.5	B	3.2	U	3.3	B	3.2	U	0.320	U	P
Barium	1.7	U	1.7	U	1.7	U	1.7	U	0.170	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Cadmium	0.5	B	0.4	U	0.4	U	0.4	U	0.040	U	P
Calcium											NR
Chromium	1.6	U	1.6	U	1.6	U	1.6	U	0.160	U	P
Cobalt											NR
Copper	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Iron											NR
Lead	3.1	B	2.7	U	4.1	B	2.7	U	0.270	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	0.240	U	P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P
Silver	3.6	B	1.8	B	2.2	B	2.0	B	0.219	B	P
Sodium											NR
Thallium	5.1	B	4.9	B	4.7	U	4.7	U	0.470	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W421 _____ Batch No.: 21230_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.8	U							P
Arsenic			3.4	B							P
Barium			1.7	U							P
Beryllium			0.3	U							P
Cadmium			0.4	B							P
Calcium											NR
Chromium			1.6	U							P
Cobalt											NR
Copper			3.7	U							P
Iron											NR
Lead			3.3	B							P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.4	U							P
Potassium											NR
Selenium			4.2	U							P
Silver			3.3	B							P
Sodium											NR
Thallium			4.7	U							P
Vanadium											NR
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W421 _____ Batch No.: 21230_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W421 _____ Batch No.: 21230_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc			5.8	U							NR
Molybdenu											P
											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W421 Batch No.: 21230_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	1007.65	100.8	1000.0	1001.37	100.1	1003.31	100.3	P
Arsenic	5000.0	5046.79	100.9	5000.0	4982.34	99.6	4978.43	99.6	P
Barium	10000.0	10091.36	100.9	10000.0	10089.45	100.9	10009.85	100.1	P
Beryllium	1000.0	1016.62	101.7	1000.0	998.06	99.8	1000.09	100.0	P
Cadmium	2500.0	2543.72	101.7	2500.0	2473.13	98.9	2477.87	99.1	P
Calcium									NR
Chromium	5000.0	5048.04	101.0	5000.0	4985.65	99.7	4986.46	99.7	P
Cobalt									NR
Copper	12500.0	12552.04	100.4	12500.0	12575.35	100.6	12487.07	99.9	P
Iron									NR
Lead	10000.0	10133.37	101.3	10000.0	9937.64	99.4	9989.79	99.9	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.04	100.8	5.0	5.32	106.4	5.51	110.2	CV
Nickel	2500.0	2523.13	100.9	2500.0	2487.18	99.5	2481.79	99.3	P
Potassium									NR
Selenium	5000.0	5079.98	101.6	5000.0	5006.02	100.1	4985.71	99.7	P
Silver	1250.0	1261.41	100.9	1250.0	1250.78	100.1	1247.39	99.8	P
Sodium									NR
Thallium	5000.0	5054.47	101.1	5000.0	4988.99	99.8	4971.54	99.4	P
Vanadium									NR
Zinc	7500.0	7552.45	100.7	7500.0	8184.98	109.1	7437.11	99.2	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W421 Batch No.: 21230_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	980.27	98.0	998.76	99.9	P
Arsenic				5000.0	4947.98	99.0	4966.92	99.3	P
Barium				10000.0	9928.35	99.3	10081.27	100.8	P
Beryllium				1000.0	986.43	98.6	992.33	99.2	P
Cadmium				2500.0	2466.42	98.7	2457.55	98.3	P
Calcium									NR
Chromium				5000.0	4954.67	99.1	4962.38	99.2	P
Cobalt									NR
Copper				12500.0	12409.11	99.3	12590.66	100.7	P
Iron									NR
Lead				10000.0	9890.23	98.9	9883.72	98.8	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.74	114.8	5.72	114.4	CV
Nickel				2500.0	2485.76	99.4	2477.62	99.1	P
Potassium									NR
Selenium				5000.0	4947.28	98.9	4986.91	99.7	P
Silver				1250.0	1235.45	98.8	1249.73	100.0	P
Sodium									NR
Thallium				5000.0	4981.06	99.6	4968.48	99.4	P
Vanadium									NR
Zinc				7500.0	7369.28	98.3	7320.35	97.6	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W421 Batch No.: 21230_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel				5.0	5.70	114.0	5.74	114.8	CV
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc	7500.0	7139.71	95.2	7500.0	7533.98	100.5	7610.74	101.5	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W421 Batch No.: 21230_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu				7500.0	7251.52	96.7	7416.41	98.9	P
									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W421 Batch No.: 21230

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	496680	480659.5	96.1	495669	477375.1	95.5
Antimony		100		93.9	93.9		93.2	93.2
Arsenic		100		98.5	98.5		90.5	90.5
Barium		100		102.5	102.5		101.6	101.6
Beryllium		100		98.2	98.2		96.3	96.3
Cadmium		100		93.5	93.5		91.3	91.3
Calcium	500000	500000	485650	472103.7	94.4	479889	464260.4	92.9
Chromium		100		99.3	99.3		96.8	96.8
Cobalt		100		95.4	95.4		93.7	93.7
Copper		100		102.8	102.8		101.5	101.5
Iron	200000	200000	199722	194130.7	97.1	198658	191335.2	95.7
Lead		100		101.0	101.0		91.8	91.8
Magnesium	500000	500000	526411	507837.8	101.6	523283	500463.8	100.1
Manganese		100		97.3	97.3		95.6	95.6
Mercury								
Nickel		100		97.7	97.7		94.6	94.6
Potassium		10000		9150.5	91.5		9110.0	91.1
Selenium		100		92.0	92.0		87.0	87.0
Silver		100		103.9	103.9		102.1	102.1
Sodium		10000		10681.2	106.8		10624.1	106.2
Thallium		100		95.2	95.2		86.4	86.4
Vanadium		100		101.6	101.6		100.1	100.1
Zinc		100		99.7	99.7		96.9	96.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W421 Batch No.: 21230

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	492748	476756.3	95.4	496146	486321.1	97.3
Antimony		100		97.0	97.0		104.1	104.1
Arsenic		100		89.4	89.4		94.8	94.8
Barium		100		101.9	101.9		105.1	105.1
Beryllium		100		97.8	97.8		102.5	102.5
Cadmium		100		91.6	91.6		92.9	92.9
Calcium	500000	500000	484340	469012.5	93.8	492061	492795.2	98.6
Chromium		100		97.5	97.5		100.5	100.5
Cobalt		100		92.7	92.7		92.7	92.7
Copper		100		100.5	100.5		107.5	107.5
Iron	200000	200000	198772	192451.3	96.2	200718	200284.7	100.1
Lead		100		93.5	93.5		95.7	95.7
Magnesium	500000	500000	523324	503496.5	100.7	531050	526914.2	105.4
Manganese		100		96.5	96.5		100.9	100.9
Mercury								
Nickel		100		96.0	96.0		95.3	95.3
Potassium		10000		8774.4	87.7		9637.4	96.4
Selenium		100		95.6	95.6		100.1	100.1
Silver		100		99.9	99.9		103.5	103.5
Sodium		10000		10282.2	102.8		10081.0	100.8
Thallium		100		90.6	90.6		86.9	86.9
Vanadium		100		97.9	97.9		101.8	101.8
Zinc		100		98.7	98.7		103.9	103.9

Spike Sample Recovery Summary

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS083106

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W421 Batch No.: 21230

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	48.4874		0.5800	U	50.00	97.0		P
Arsenic	75-125	195.2383		0.3200	U	200.00	97.6		P
Barium	75-125	189.9058		0.1700	U	200.00	95.0		P
Beryllium	75-125	4.7736		0.0300	U	5.00	95.5		P
Cadmium	75-125	5.0159		0.0400	U	5.00	100.3		P
Calcium									NR
Chromium	75-125	19.0766		0.1600	U	20.00	95.4		P
Cobalt									NR
Copper	75-125	23.7183		0.3700	U	25.00	94.9		P
Iron									NR
Lead	75-125	49.7951		0.2700	U	50.00	99.6		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1817		0.0167	U	0.17	106.9		CV
Nickel	75-125	47.5319		0.2400	U	50.00	95.1		P
Potassium									NR
Selenium	75-125	193.5002		0.4200	U	200.00	96.8		P
Silver	75-125	4.9333		0.2193	B	5.00	94.3		P
Sodium									NR
Thallium	75-125	198.5994		0.4700	U	200.00	99.3		P
Vanadium									NR
Zinc	75-125	48.2258		0.5800	U	50.00	96.5		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

765594MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W421

Batch No.: 21230

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 82.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony	75-125	18.6699		1.4129	U	60.90	30.7	N	NR
Arsenic	75-125	228.1143		3.5549		243.61	92.2		P
Barium	75-125	290.9364		78.6843		243.61	87.1		P
Beryllium	75-125	5.8110		0.3172	B	6.09	90.2		P
Cadmium	75-125	5.6660		0.0974	U	6.09	93.0		P
Calcium									NR
Chromium	75-125	54.8575		31.1245		24.36	97.4		P
Cobalt									NR
Copper	75-125	60.2261		30.7106		30.45	96.9		P
Iron									NR
Lead	75-125	98.1842		41.1055		60.90	93.7		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.5806		0.3532		0.20	113.7		CV
Nickel	75-125	71.5630		17.7978		60.90	88.3		P
Potassium									NR
Selenium	75-125	222.1467		1.0231	U	243.61	91.2		P
Silver	75-125	6.0641		0.9220	B	6.09	84.4		P
Sodium									NR
Thallium	75-125	222.9834		1.1449	U	243.61	91.5		P
Vanadium									NR
Zinc	75-125	150.1559		93.7306		60.90	92.7		P
Molybdenu									NR

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W421 Batch No.: 21230_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		48.1678		50.8312		5.4		P
Arsenic		75.7148		75.4126		0.4		P
Barium		144.9724		144.0058		0.7		P
Beryllium		134.5412		134.2014		0.3		P
Cadmium		223.1894		220.5696		1.2		P
Calcium								NR
Chromium		56.2194		55.7978		0.8		P
Cobalt								NR
Copper		120.8972		120.8196		0.1		P
Iron								NR
Lead		73.7836		73.6024		0.2		P
Magnesium								NR
Manganese								NR
Mercury		3.9167		3.5750		9.1		CV
Nickel		48.5946		47.8572		1.5		P
Potassium								NR
Selenium		80.7510		79.9686		1.0		P
Silver		75.2454		75.2558		0.0		P
Sodium								NR
Thallium		159.1922		150.9060		5.3		P
Vanadium								NR
Zinc		111.9552		111.1856		0.7		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

765594D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W421 Batch No.: 21230_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _82.1 % Solids for Duplicate: __82.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.4129	U	1.4129	U			P
Arsenic		3.5549		3.8037		6.8		P
Barium	24.4	78.6843		70.2173		11.4		P
Beryllium	0.2	0.3172	B	0.3430	B	7.8		P
Cadmium		0.0974	U	0.1276	B	200.0		P
Calcium								NR
Chromium		31.1245		31.1101		0.0		P
Cobalt								NR
Copper		30.7106		39.1147		24.1	*	P
Iron								NR
Lead		41.1055		41.1681		0.2		P
Magnesium								NR
Manganese								NR
Mercury		0.3532		0.4710		28.6	*	CV
Nickel	4.9	17.7978		18.0370		1.3		P
Potassium								NR
Selenium		1.0231	U	1.0231	U			P
Silver		0.9220	B	1.1211	B	19.5		P
Sodium								NR
Thallium		1.1449	U	1.1449	U			P
Vanadium								NR
Zinc		93.7306		93.9403		0.2		P
Molybdenu								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __W421 Batch No.: 21230_

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic				77.5	48.2		0.1	173.0	62.2
Barium				80.9	75.7		64.5	97.3	93.6
Beryllium				156.0	145.0		128.0	184.0	92.9
Cadmium				143.0	134.5		117.0	169.0	94.1
Calcium				233.0	223.2		188.0	277.0	95.8
Chromium									
Cobalt				60.8	56.2		47.7	73.8	92.4
Copper									
Iron				131.0	120.9		108.0	154.0	92.3
Lead									
Magnesium				76.8	73.8		61.9	91.8	96.1
Manganese									
Mercury									
Nickel				3.6	3.9		2.4	4.8	108.3
Potassium				49.6	48.6		40.4	58.8	98.0
Selenium									
Silver				82.9	80.8		62.6	103.0	97.5
Sodium				80.0	75.2		49.0	111.0	94.0
Thallium									
Vanadium				158.0	159.2		119.0	197.0	100.8
Zinc									
Molybdenu				116.0	112.0		90.5	141.0	96.6

Serial Dilution Summary

LAB SAMPLE NO.

765594L

ICP SERIAL DILUTION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W421 Batch No.: 21230

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	5.80	U	29.00	U			P
Arsenic	14.59		28.82		97.5		P
Barium	323.00		321.49	B	0.5		P
Beryllium	1.30	B	1.70	B	30.8		P
Cadmium	0.40	U	2.00	U			P
Calcium							NR
Chromium	127.77		132.92		4.0		P
Cobalt							NR
Copper	126.07		130.98		3.9		P
Iron							NR
Lead	168.74		178.50		5.8		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	73.06		77.48	B	6.0		P
Potassium							NR
Selenium	4.20	U	21.00	U			P
Silver	3.78	B	14.88	B	293.7		P
Sodium							NR
Thallium	4.70	U	23.50	U			P
Vanadium							NR
Zinc	384.76		406.26		5.6		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21230_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1245																X									
STD02	1.00	1246																X									
STD03	1.00	1248																X									
STD04	1.00	1250																X									
STD05	1.00	1252																X									
STD06	1.00	1254																X									
ICV/ACCV	1.00	1256																X									
ICB/CCB	1.00	1258																X									
ZZZZZZ	1.00	1300																									
ZZZZZZ	1.00	1301																									
ZZZZZZ	5.00	1303																									
ZZZZZZ	5.00	1305																									
ZZZZZZ	1.00	1307																									
ZZZZZZ	1.00	1309																									
ZZZZZZ	1.00	1310																									
CCV	1.00	1312																X									
CCB	1.00	1314																X									
ZZZZZZ	1.00	1315																									
ZZZZZZ	1.00	1317																									
ZZZZZZ	1.00	1319																									
ZZZZZZ	1.00	1321																									
ZZZZZZ	1.00	1323																									
ZZZZZZ	1.00	1324																									
ZZZZZZ	1.00	1326																									
CCV	1.00	1328																X									
CCB	1.00	1329																X									
ZZZZZZ	1.00	1331																									
ZZZZZZ	1.00	1333																									
ZZZZZZ	1.00	1335																									
ZZZZZZ	1.00	1337																									
ZZZZZZ	1.00	1338																									
ZZZZZZ	1.00	1340																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21230_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1342		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1344		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1345		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	1348		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
BS083106	1.00	1349		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
SS083106	1.00	1351		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
LCSSD048	5.00	1352		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
SSD048-D	5.00	1354		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765594	1.00	1356		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765594D	1.00	1358		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765594MS	1.00	1400		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765595	1.00	1402		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765596	1.00	1404		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1406		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1408		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765862	1.00	1410		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765863	1.00	1412		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765864	1.00	1414		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765865	1.00	1415		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765866	1.00	1417		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765867	1.00	1419		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765868	1.00	1421		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765869	1.00	1422		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765870	1.00	1424		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1426		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1428		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765871	1.00	1430		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765872	1.00	1431		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765873	1.00	1433		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765874	1.00	1435		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765875	1.00	1437		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
765846	1.00	1439		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21230_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
765849	1.00	1440																X								
765853	1.00	1442																X								
CCV	1.00	1444																X								
CCB	1.00	1446																X								

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21230_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1830		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1835		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	X
T3CAL2	1.00	1841		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	X
T3CAL3	1.00	1847		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1852																												
ICV/CCV	1.00	1858			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICB/CCB	1.00	1903			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	1909			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	1915			X	X	X	X	X		X		X		X				X		X	X		X		X	
ZZZZZZ	1.00	1923																												
ZZZZZZ	1.00	1929																												
ZZZZZZ	1.00	1934																												
ZZZZZZ	2.00	1940																												
ZZZZZZ	5.00	1946																												
ZZZZZZ	2.00	1951																												
ZZZZZZ	10.00	1957																												
CCV	1.00	2003			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	2008			X	X	X	X	X		X		X		X				X		X	X		X		X	
SS083106	1.00	2014			X	X	X	X	X		X		X		X				X		X	X		X		X	
BS083106	1.00	2019			X	X	X	X	X		X		X		X				X		X	X		X		X	
LCSSD048	2.00	2025			X	X	X	X	X		X		X		X				X		X	X		X		X	
SSD048-D	2.00	2030			X	X	X	X	X		X		X		X				X		X	X		X		X	
765594D	2.00	2036			X	X	X	X	X		X		X		X				X		X	X		X		X	
765594	2.00	2042				X	X		X		X				X						X	X					
765594L	2.00	2047			X	X	X	X	X		X		X		X				X		X	X		X			
765594MS	2.00	2053			X	X	X	X	X		X		X		X				X		X	X		X		X	
ZZZZZZ	2.00	2058																												
765595	2.00	2104				X	X		X		X				X						X	X					
CCV	1.00	2110			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	2115			X	X	X	X	X		X		X		X				X		X	X		X		X	
765596	2.00	2121				X	X		X		X				X						X	X					
765862	2.00	2126			X	X		X	X		X		X		X				X		X	X		X		X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21230_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 08/31/06 End Date: 08/31/06

Lab Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
765863	2.00	2132			X	X		X	X		X		X		X				X		X	X		X		X	
765864	2.00	2138			X	X		X	X		X		X		X				X		X	X		X		X	
765865	2.00	2143			X	X		X	X		X		X		X				X		X	X		X		X	
765866	2.00	2149			X	X		X	X		X		X		X				X		X	X		X		X	
765867	2.00	2154			X	X		X	X		X		X		X				X		X	X		X		X	
765868	2.00	2200			X	X		X	X		X		X		X				X		X	X		X		X	
765869	2.00	2206			X	X		X	X		X		X		X				X		X	X		X		X	
765870	2.00	2211			X	X		X	X		X		X		X				X		X	X		X		X	
CCV	1.00	2217			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	2222			X	X	X	X	X		X		X		X				X		X	X		X		X	
765871	2.00	2228			X	X		X	X		X		X		X				X		X	X		X		X	
765872	2.00	2234			X	X		X	X		X		X		X				X		X	X		X		X	
765873	2.00	2239			X	X		X	X		X		X		X				X		X	X		X		X	
765874	2.00	2245			X	X		X	X		X		X		X				X		X	X		X		X	
765875	2.00	2250			X	X		X	X		X		X		X				X		X	X		X		X	
765846	2.00	2256			X	X		X	X		X		X		X				X		X	X		X		X	
765849	2.00	2302			X	X		X	X		X		X		X				X		X	X		X		X	
765853	2.00	2307			X	X		X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	2313			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	2318			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	2324			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	2330			X	X	X	X	X		X		X		X				X		X	X		X		X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21230_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/01/06 End Date: 09/02/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1945		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X
T3CAL1	1.00	1951		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1956		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	2002		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2008																									
ICV/CCV	1.00	2013																								X	
ICB/CCB	1.00	2019																								X	
ICSA	1.00	2024																								X	
ICSAB	1.00	2032																								X	
ZZZZZZ	1.00	2038																									
ZZZZZZ	1.00	2043																									
ZZZZZZ	1.00	2049																									
ZZZZZZ	5.00	2054																									
765594	2.00	2100																									
765594L	2.00	2106																								X	
ZZZZZZ	1.00	2111																									
ZZZZZZ	1.00	2117																									
CCV	1.00	2122																								X	
CCB	1.00	2128																								X	
ZZZZZZ	5.00	2134																									
ZZZZZZ	5.00	2139																									
ZZZZZZ	5.00	2145																									
ZZZZZZ	5.00	2150																									
ZZZZZZ	5.00	2156																									
ZZZZZZ	5.00	2202																									
ZZZZZZ	5.00	2207																									
ZZZZZZ	5.00	2213																									
ZZZZZZ	5.00	2218																									
ZZZZZZ	5.00	2224																									
CCV	1.00	2230																								X	
CCB	1.00	2235																								X	
ZZZZZZ	5.00	2241																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21230_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/01/06 End Date: 09/02/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	5.00	2246																												
ZZZZZZ	5.00	2252																												
ZZZZZZ	5.00	2258																												
ZZZZZZ	5.00	2303																												
ZZZZZZ	5.00	2309																												
ZZZZZZ	5.00	2314																												
ZZZZZZ	5.00	2320																												
ZZZZZZ	5.00	2326																												
ZZZZZZ	5.00	2331																												
CCV	1.00	2337																								X				
CCB	1.00	2342																								X				
ZZZZZZ	5.00	2348																												
ICSA	1.00	2354																								X				
ICSAB	1.00	2359																								X				
CCV	1.00	0005																								X				
CCB	1.00	0010																								X				

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STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

09/28/2006

Environ Corporation, Inc.
214 Carnegie Center, Suite 200
Princeton, NJ 08540

Attention: Mr. Bill Kraft

Laboratory Results
Job No. W881 - Sun Chemical SI

Dear Mr. Kraft:

Enclosed are the results you requested for the following sample(s) received at our laboratory on September 11, 2006.

Lab No.	Client ID	Analysis Required
768745	MW01-060911	TCL VOA+10 PP Metals
768746	MW05-060911	TCL VOA+10 PP Metals
768747	MW05-060911D	TCL VOA+10 PP Metals
768748	MW04-060911	TCL VOA+10 TCL BN+10 PP Metals
768749	FB-060911	TCL VOA+10 TCL BN+10 PP Metals

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Laboratory Results
Job No. W881 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
768750	TB-060911	TCL VOA+10

If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael Urban
Laboratory Manager

Analytical Results Summary **1**

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Spike Recovery Summary 167
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Analytical Results Summary

Client ID: **MW01-060911**
Site: Sun Chemical SI

Lab Sample No: **768745**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79165.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	1.2J	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	15	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	2.1J	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW01-060911**
Site: Sun Chemical SI

Lab Sample No: **768745**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79165.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW05-060911**
Site: Sun Chemical SI

Lab Sample No: **768746**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79166.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05-060911**
Site: Sun Chemical SI

Lab Sample No: **768746**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79166.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown	13.80	12	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 12

Client ID: **MW05-060911D**
Site: Sun Chemical SI

Lab Sample No: **768747**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79167.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05-060911D**
Site: Sun Chemical SI

Lab Sample No: **768747**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79167.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79168.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	0.4J	5.0
1,1-Dichloroethene	29	2.0
1,1-Dichloroethane	31	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	0.5J	5.0
Chloroform	1.3J	5.0
1,2-Dichloroethane	41	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	10	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	6.2	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	1.0J	3.0
Benzene	2.5	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79168.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79169.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79169.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **TB-060911**
Site: Sun Chemical SI

Lab Sample No: **768750**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79170.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **TB-060911**
Site: Sun Chemical SI

Lab Sample No: **768750**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79170.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32028.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32028.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32028.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown	10.71	260	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 260

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32029.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.1
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	21
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.1
3-Nitroaniline	ND	21
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.1
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	21
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32029.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	21
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32029.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **MW01-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768745
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	ND	3.2		P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	10.3	1.6		P
Copper	4.5	3.7	B	P
Lead	3.2	2.7	B	P
Mercury	ND	0.10		CV
Nickel	38.2	2.4	B	P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	17.2	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768746
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	5.0	3.2	B	P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	5.8	1.6	B	P
Copper	3.7	3.7	B	P
Lead	14.1	2.7		P
Mercury	ND	0.10		CV
Nickel	28.9	2.4	B	P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	53.1	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05-060911D**
Site: **Sun Chemical SI**

Lab Sample No: 768747
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	4.1	3.2	B	P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	5.1	1.6	B	P
Copper	4.1	3.7	B	P
Lead	13.1	2.7		P
Mercury	0.12	0.10	B	CV
Nickel	29.0	2.4	B	P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	62.5	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW04-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768748
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	ND	3.2		P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	9.2	1.6	B	P
Copper	9.4	3.7	B	P
Lead	7.8	2.7		P
Mercury	ND	0.10		CV
Nickel	96.2	2.4		P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	35.4	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **FB-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768749
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	ND	3.2		P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	ND	1.6		P
Copper	ND	3.7		P
Lead	ND	2.7		P
Mercury	ND	0.10		CV
Nickel	ND	2.4		P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	ND	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

W881

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical: Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-4000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	VOCs 10	Metals 5	BNA +15	LAB USE ONLY Sample Numbers
MW01-060911	9/11/06	1054	GW	4	X	X		768 745
MW05-060911		1123			X	X		768 746
MW05-060911D		1123			X	X		768 747
MW04-060911		1221		5	X	X	X	768 748
TB-060911		1256	AQ	4	X	X	X	768 749
TB-060911			AQ	2	X			768 750

LAB USE ONLY: Project No. ____ Job No. W881

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: ____ Water: 1,2 | 1,4 | 1

6 = Other _____, 7 = Other _____

Special Instructions _____ Cooler Temp: 4 on ice Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1. Trevor Tompkins	ENVIRON	9/11/06 1420	[signature]	STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W881 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

VOAMS

WATER - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
768745	9/11/2006	9/11/2006			9/12/2006	Zhang, Yannong	3249
768746	9/11/2006	9/11/2006			9/12/2006	Zhang, Yannong	3249
768747	9/11/2006	9/11/2006			9/12/2006	Zhang, Yannong	3249
768748	9/11/2006	9/11/2006			9/12/2006	Zhang, Yannong	3249
768749	9/11/2006	9/11/2006			9/12/2006	Zhang, Yannong	3249
768750	9/11/2006	9/11/2006			9/12/2006	Zhang, Yannong	3249

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W881 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

WATER - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
768748	9/11/2006	9/11/2006	9/12/2006	Sood, Vishal	9/16/2006	Vanaman, Susan	4195
768749	9/11/2006	9/11/2006	9/12/2006	Sood, Vishal	9/16/2006	Vanaman, Susan	4195

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W881	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	9/11/2006
Sample No.:	768745	**Date Received:**	9/11/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	9/12/2006	Racin, Brian	9/13/2006	Sheikh, Razia	21280
ANTIMONY	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
ARSENIC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
BERYLLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CADMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CHROMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
COPPER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
LEAD	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
NICKEL	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SELENIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SILVER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
THALLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
ZINC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W881	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	9/11/2006
Sample No.:	768746	**Date Received:**	9/11/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	9/12/2006	Racin, Brian	9/13/2006	Sheikh, Razia	21280
ANTIMONY	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
ARSENIC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
BERYLLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CADMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CHROMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
COPPER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
LEAD	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
NICKEL	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SELENIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SILVER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
THALLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
ZINC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W881	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	9/11/2006
Sample No.:	768747	**Date Received:**	9/11/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	9/12/2006	Racin, Brian	9/13/2006	Sheikh, Razia	21280
ANTIMONY	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
ARSENIC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
BERYLLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CADMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CHROMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
COPPER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
LEAD	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
NICKEL	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SELENIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SILVER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
THALLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
ZINC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W881	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	9/11/2006
Sample No.:	768748	**Date Received:**	9/11/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	9/12/2006	Racin, Brian	9/13/2006	Sheikh, Razia	21280
ANTIMONY	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
ARSENIC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
BERYLLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CADMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CHROMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
COPPER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
LEAD	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
NICKEL	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SELENIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SILVER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
THALLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
ZINC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	W881	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	9/11/2006
Sample No.:	768749	**Date Received:**	9/11/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	9/12/2006	Racin, Brian	9/13/2006	Sheikh, Razia	21280
ANTIMONY	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
ARSENIC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
BERYLLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CADMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
CHROMIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
COPPER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
LEAD	9/12/2006	Yang, Qin	9/16/2006	Chang, Churnder	21280
NICKEL	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SELENIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
SILVER	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
THALLIUM	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280
ZINC	9/12/2006	Yang, Qin	9/14/2006	Chang, Churnder	21280

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND/U - The compound was not detected at the indicated concentration.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: W881

Client: Environ Corporation, Inc.

Date: 9/22/2006

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

All data conforms with method requirements.

Base/Neutral and/or Acid Extractable Organics (GC/MS):

All data conforms with method requirements.

Metals:

All data conforms with method requirements.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **MW01-060911**
Site: Sun Chemical SI

Lab Sample No: **768745**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79165.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	1.2J	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	15	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	2.1J	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW01-060911**
Site: Sun Chemical SI

Lab Sample No: **768745**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79165.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79165.d
Report Date: 13-Sep-2006 13:33

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79165.d
Lab Smp Id: 768745 Client Smp ID: MW01-060911
Inj Date : 12-SEP-2006 13:20
Operator : VOAMS 10 Inst ID: VOAMS10.i
Smp Info : 768745
Misc Info : W881;3249;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/8260H_05.m
Meth Date : 13-Sep-2006 10:59 pritch Quant Type: ISTD
Cal Date : 29-AUG-2006 00:37 Cal File: bb78970.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

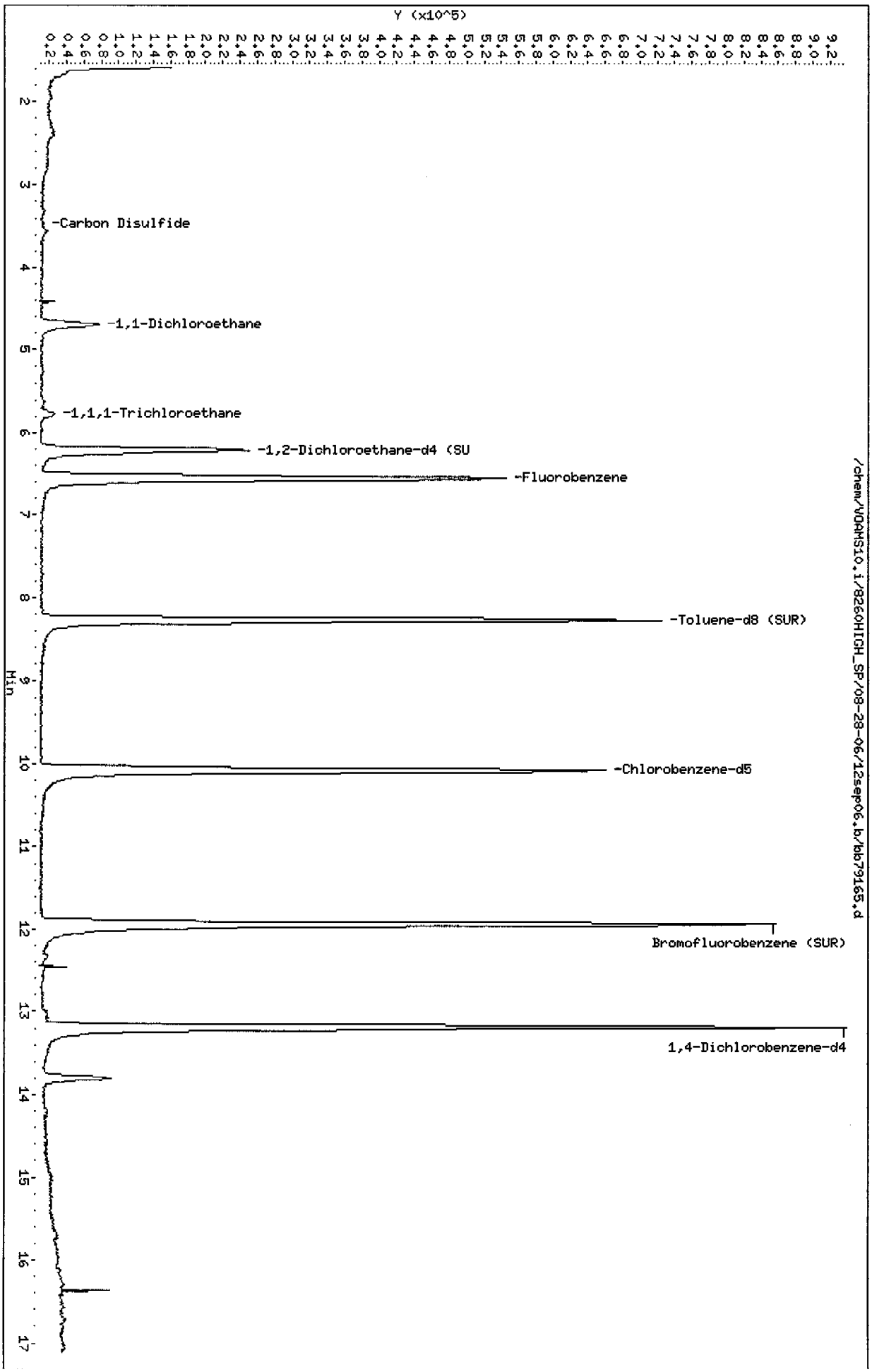
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
8 Carbon Disulfide	76	3.561	3.525	(0.543)	20074	1.23988	1.2(a)
11 1,1-Dichloroethane	63	4.694	4.678	(0.716)	155751	14.9772	15
20 1,1,1-Trichloroethane	97	5.777	5.761	(0.881)	24125	2.14507	2.1(a)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	6.211	6.205	(0.947)	386153	60.3579	60
* 19 Fluorobenzene	96	6.556	6.540	(1.000)	1125780	50.0000	
$ 37 Toluene-d8 (SUR)	98	8.260	8.254	(0.820)	951742	54.4215	54
* 32 Chlorobenzene-d5	117	10.073	10.076	(1.000)	916128	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	11.925	11.928	(0.905)	553149	51.2980	51
* 91 1,4-Dichlorobenzene-d4	152	13.176	13.170	(1.000)	549792	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).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Date : 12-SEP-2006 13:20
Client ID: MW01-060911
Sample Info: 768745
Purge Volume: 5.0
Column phase: Rtx-624
Instrument: VOAMS10.i
Operator: VOAMS 10
Column diameter: 0.53
Y (x10^5)
Min
-Carbon Disulfide
-1,1-Dichloroethane
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79165.d

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79165.d

Date : 12-SEP-2006 13:20

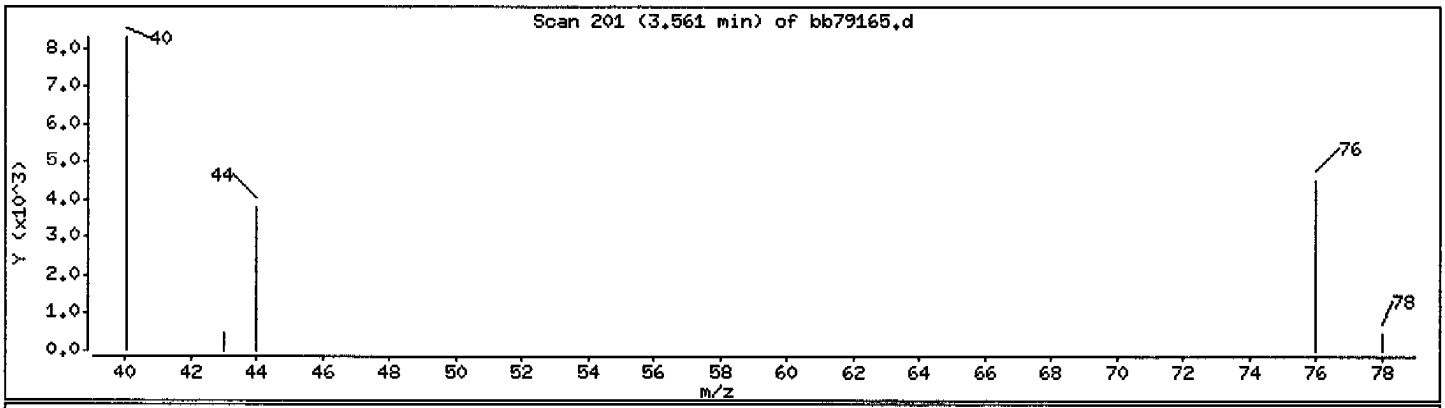
Client ID: MW01-060911 Instrument: VOAMS10.i

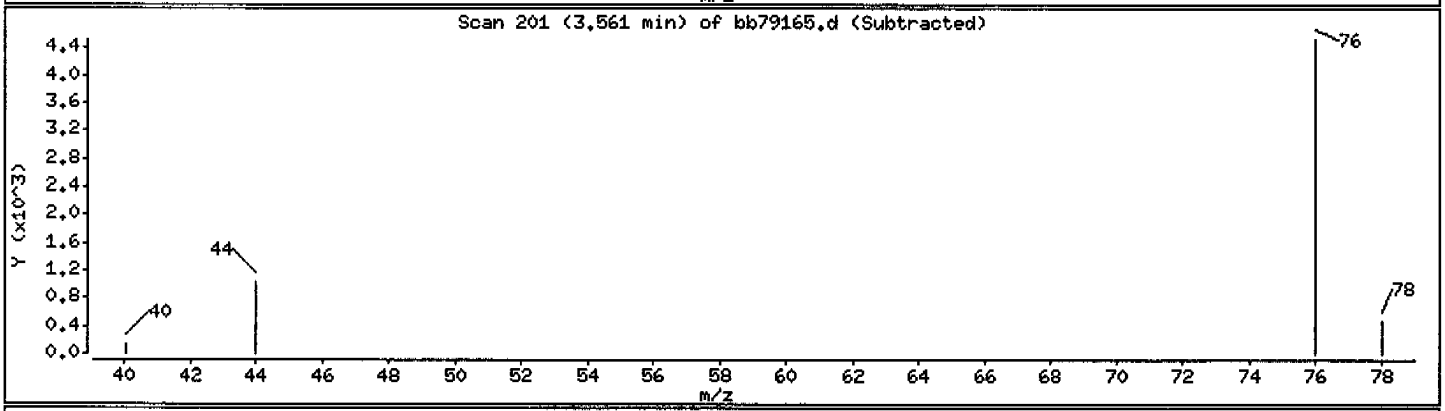
Sample Info: 768745

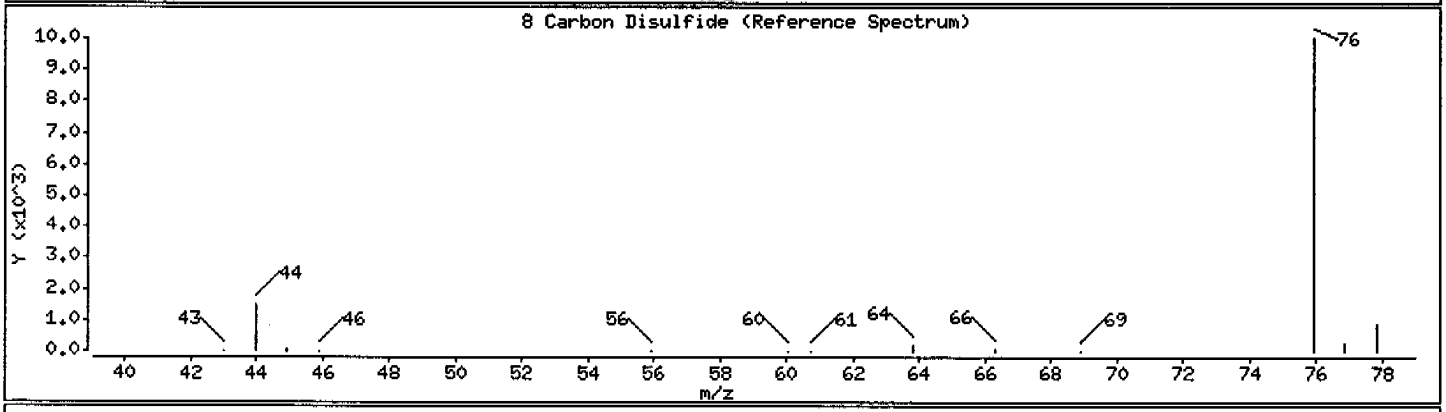
Purge Volume: 5.0 Operator: VOAMS 10

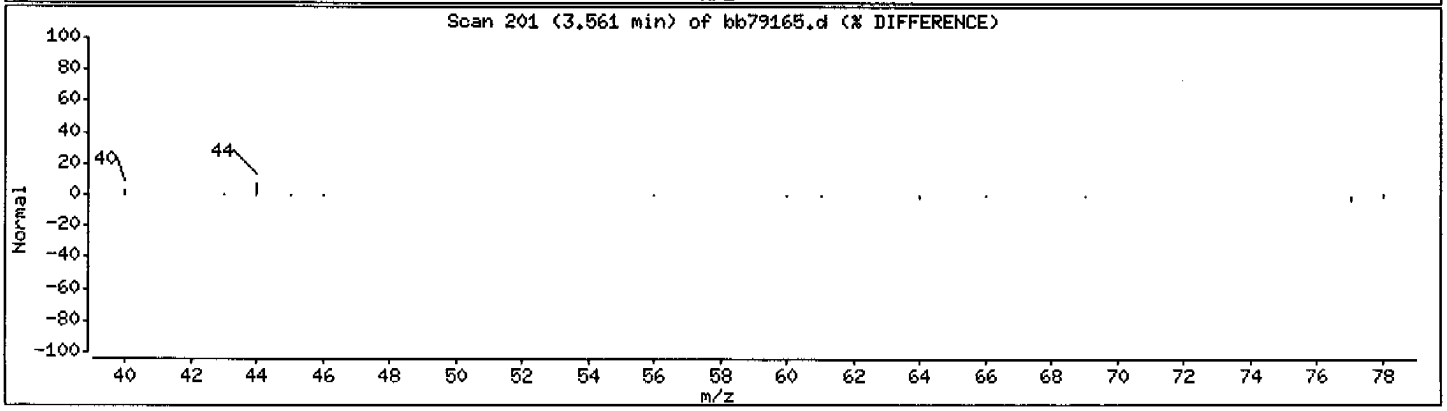
Column phase: Rtx-624 Column diameter: 0.53

8 Carbon Disulfide Concentration: 1.2 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79165.d

Date : 12-SEP-2006 13:20

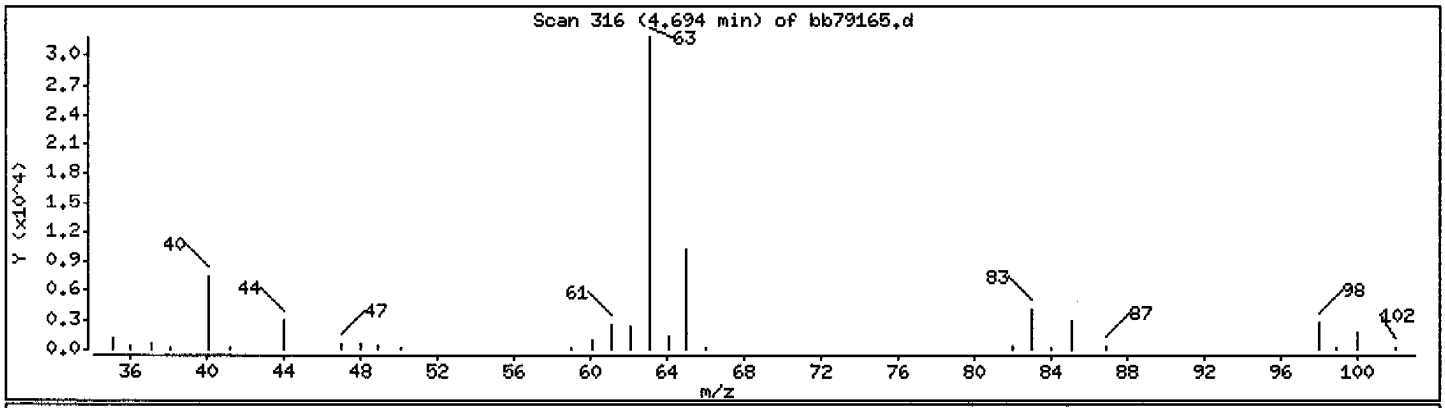
Client ID: MW01-060911 Instrument: VOAMS10.i

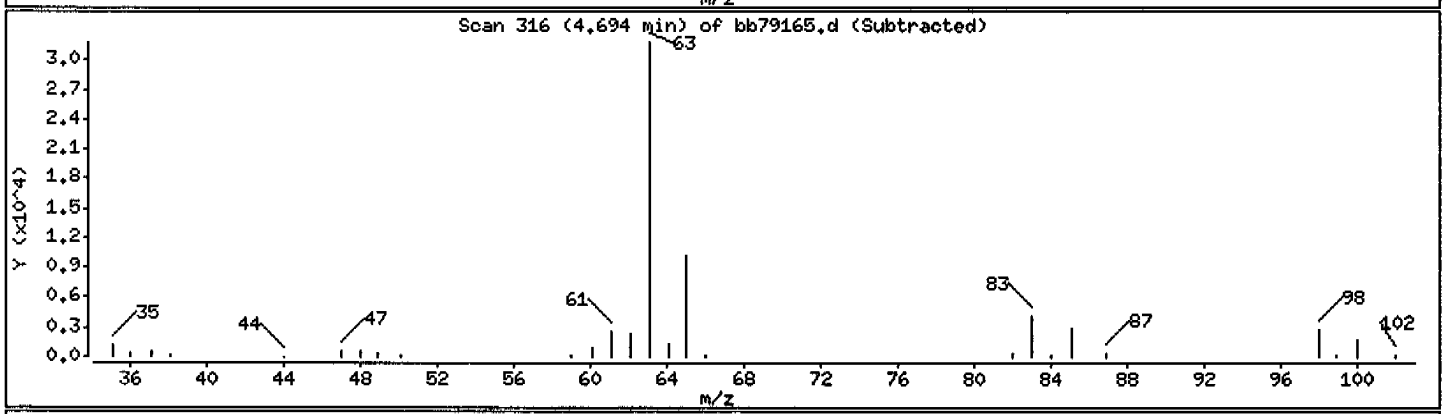
Sample Info: 768745

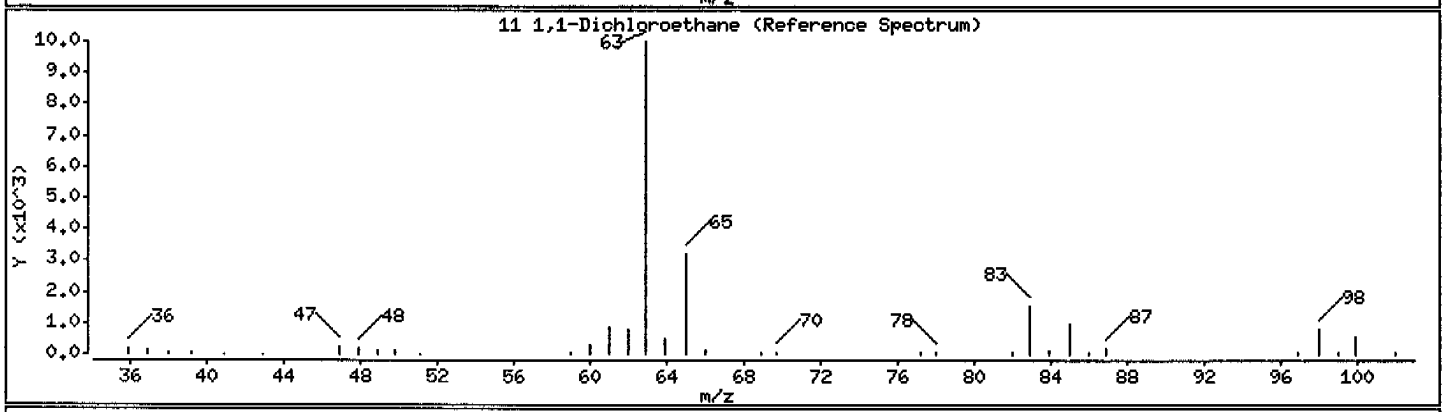
Purge Volume: 5.0 Operator: VOAMS 10

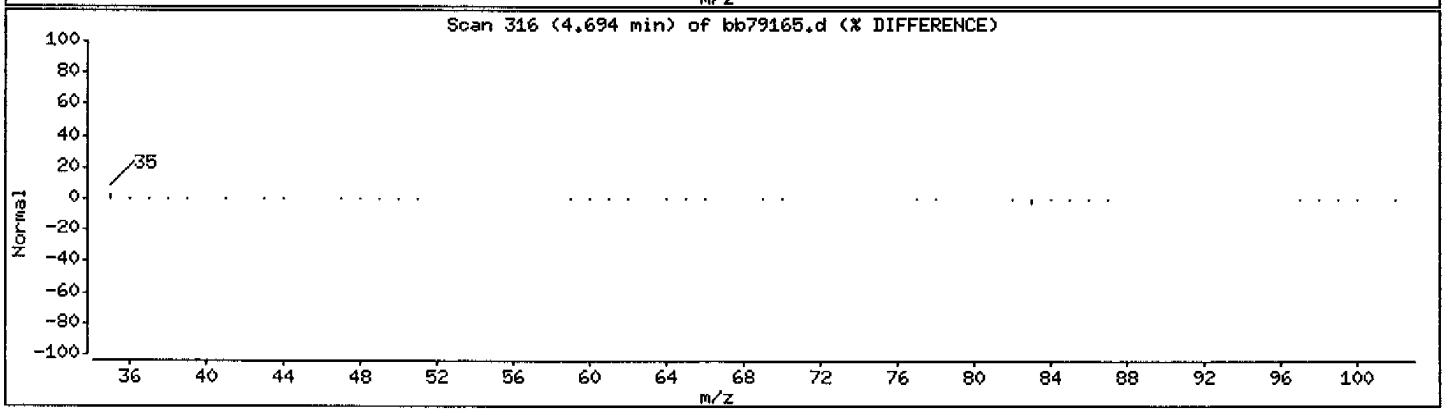
Column phase: Rtx-624 Column diameter: 0.53

11 1,1-Dichloroethane Concentration: 15 ug/L









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Date : 12-SEP-2006 13:20

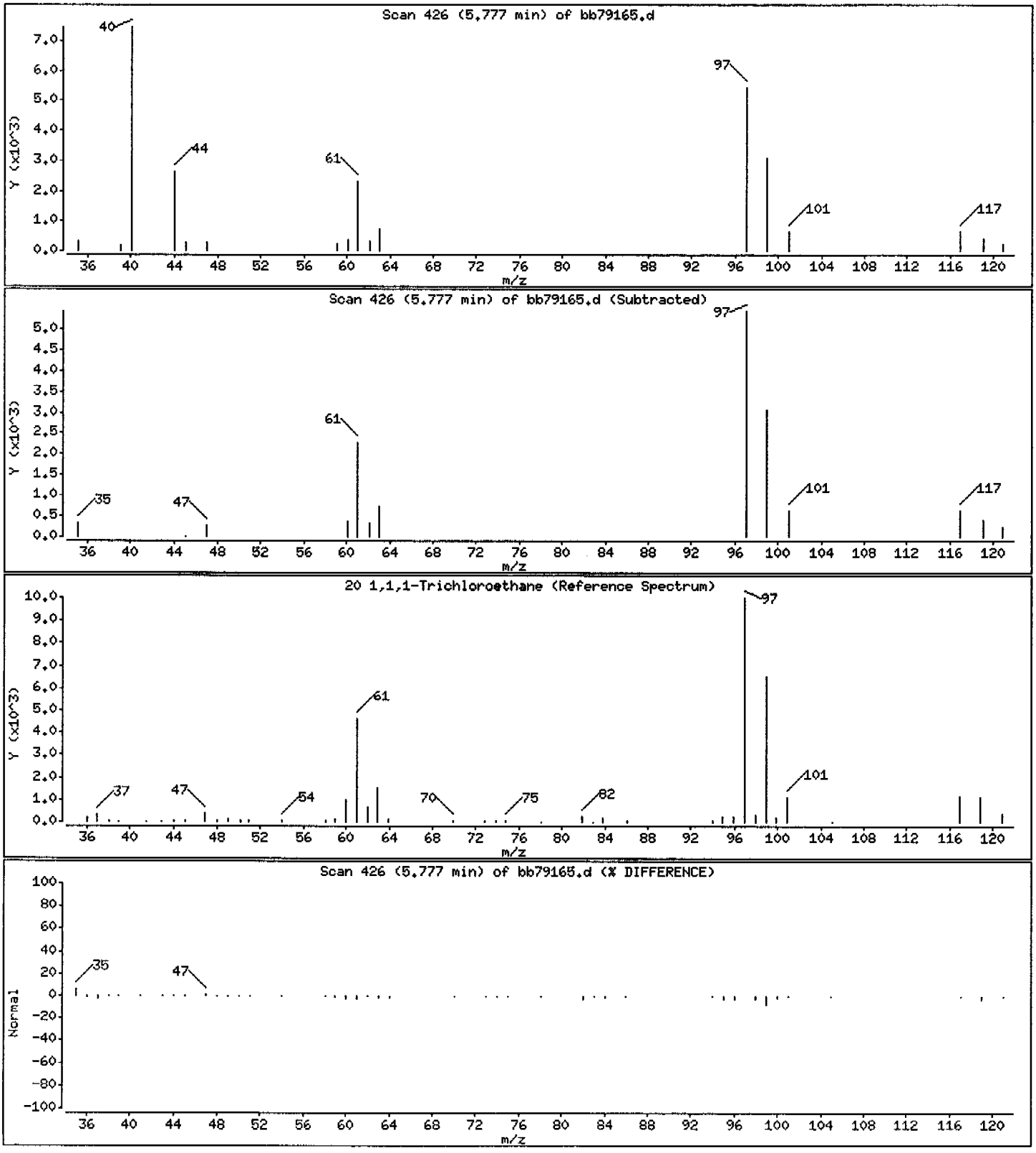
Client ID: MW01-060911 Instrument: VOAMS10.i

Sample Info: 768745

Purge Volume: 5.0 Operator: VOAMS 10

Column phase: Rtx-624 Column diameter: 0.53

20 1,1,1-Trichloroethane Concentration: 2.1 ug/L



Client ID: **MW05-060911**
Site: Sun Chemical SI

Lab Sample No: **768746**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79166.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05-060911**
Site: Sun Chemical SI

Lab Sample No: **768746**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79166.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown	13.80	12	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	12

Data File: bb79166.d
Report Date: 13-Sep-2006 13:33

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

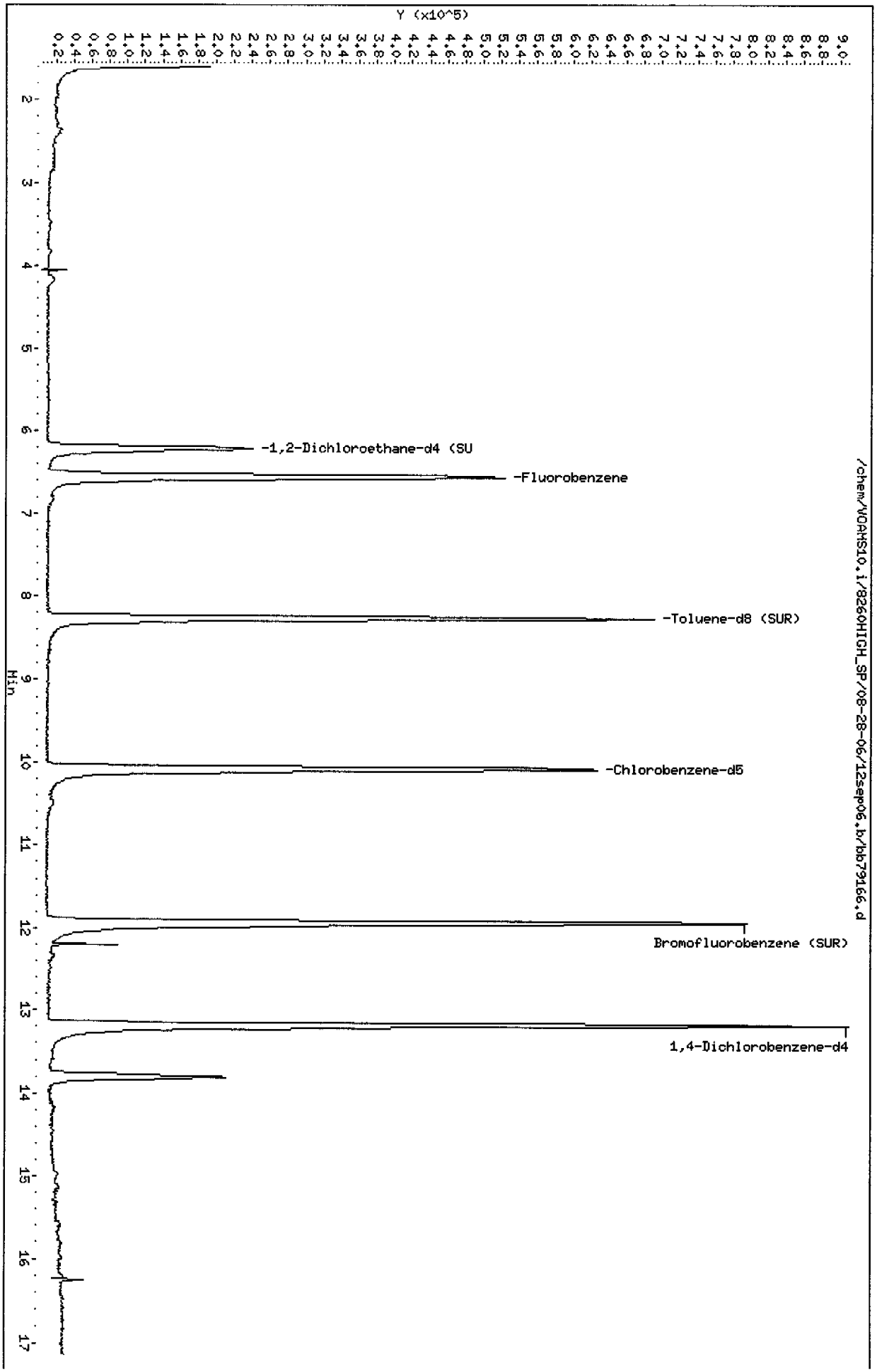
Data file : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79166.d
Lab Smp Id: 768746 Client Smp ID: MW05-060911
Inj Date : 12-SEP-2006 13:46
Operator : VOAMS 10 Inst ID: VOAMS10.i
Smp Info : 768746
Misc Info : W881;3249;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/8260H_05.m
Meth Date : 13-Sep-2006 10:59 pritch Quant Type: ISTD
Cal Date : 29-AUG-2006 00:37 Cal File: bb78970.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	6.207	6.205	(0.947)	384340	63.7013	64
* 19 Fluorobenzene	96	6.552	6.540	(1.000)	1061685	50.0000	
$ 37 Toluene-d8 (SUR)	98	8.266	8.254	(0.820)	910263	54.4016	54
* 32 Chlorobenzene-d5	117	10.079	10.076	(1.000)	876522	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	11.931	11.928	(0.906)	542003	52.8202	53
* 91 1,4-Dichlorobenzene-d4	152	13.172	13.170	(1.000)	523189	50.0000	


Y (x10^5)
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79166.d
Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79166.d
Date : 12-SEP-2006 13:46
Client ID: MW05-060911
Sample Info: 768746
Purge Volume: 5.0
Column phase: Rtx-624
Instrument: VOAMS10.i
Operator: VOAMS 10
Column diameter: 0.53

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79166.d

Date : 12-SEP-2006 13:46

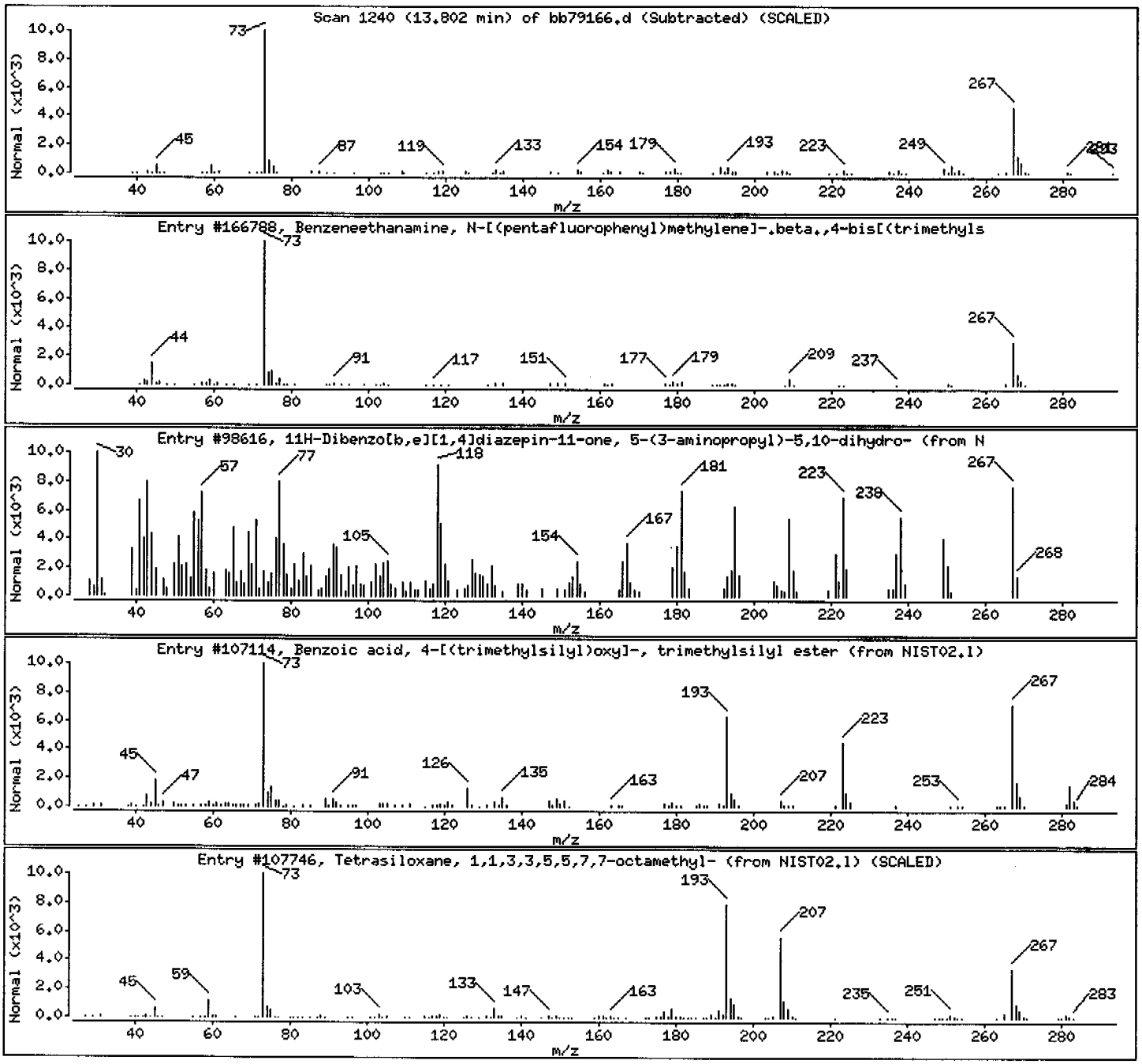
Client ID: MW05-060911 Instrument: VOAMS10.i

Sample Info: 768746

Purge Volume: 5.0 Operator: VOAMS 10

Column phase: Rtx-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzeneethanamine, N-[(pentafluorophenyl	55429-85-1	NIST02.l	166788	43	C21H26F5NO2Si2	475
11H-Dibenzo[b,e][1,4]diazepin-11-one, 5-	13450-73-2	NIST02.l	98616	38	C16H17N3O	267
Benzoic acid, 4-[(trimethylsilyl)oxy]-,	2078-13-9	NIST02.l	107114	33	C13H22O3Si2	282
Tetrasiloxane, 1,1,3,3,5,5,7,7-octamethy	1000-05-1	NIST02.l	107746	22	C8H26O3Si4	282



Client ID: **MW05-060911D**
Site: Sun Chemical SI

Lab Sample No: **768747**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79167.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05-060911D**
Site: Sun Chemical SI

Lab Sample No: **768747**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79167.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79167.d
Report Date: 13-Sep-2006 13:33

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79167.d
Lab Smp Id: 768747 Client Smp ID: MW05-060911D
Inj Date : 12-SEP-2006 14:11
Operator : VOAMS 10 Inst ID: VOAMS10.i
Smp Info : 768747
Misc Info : W881;3249;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/8260H_05.m
Meth Date : 13-Sep-2006 10:59 pritch Quant Type: ISTD
Cal Date : 29-AUG-2006 00:37 Cal File: bb78970.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

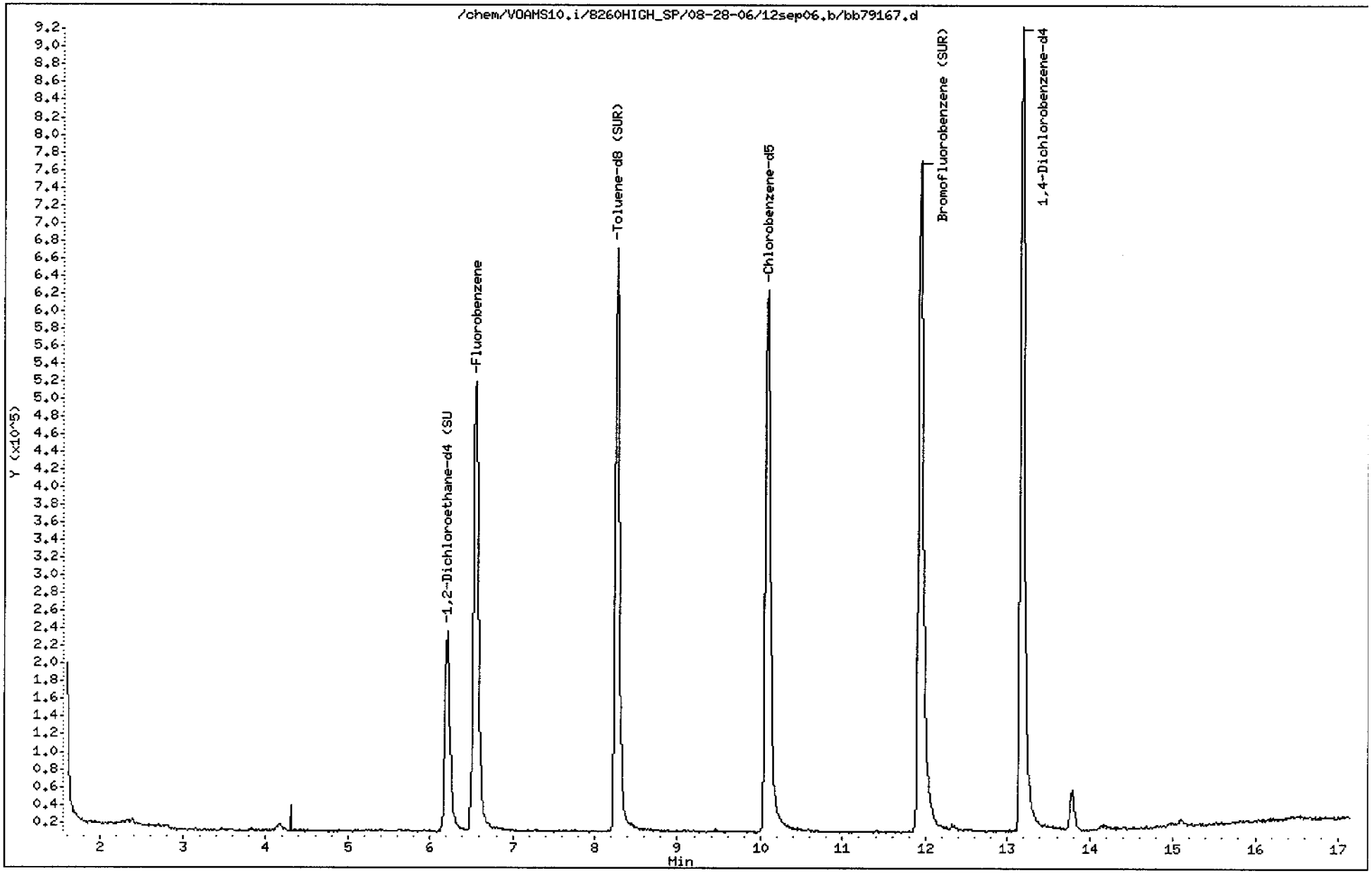
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	6.207	6.205	(0.947)	367600	60.8598	61
* 19 Fluorobenzene	96	6.552	6.540	(1.000)	1062852	50.0000	
$ 37 Toluene-d8 (SUR)	98	8.266	8.254	(0.820)	884516	52.9035	53
* 32 Chlorobenzene-d5	117	10.078	10.076	(1.000)	875849	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	11.930	11.928	(0.906)	526128	48.9120	49
* 91 1,4-Dichlorobenzene-d4	152	13.162	13.170	(1.000)	548444	50.0000	

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79167.d
Date : 12-SEP-2006 14:11
Client ID: MW05-060911D
Sample Info: 768747
Purge Volume: 5.0
Column phase: Rtx-624

Instrument: VOAMS10.i
Operator: VOAMS 10
Column diameter: 0.53



STL Edison
W881
60

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79168.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	0.4J	5.0
1,1-Dichloroethene	29	2.0
1,1-Dichloroethane	31	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	0.5J	5.0
Chloroform	1.3J	5.0
1,2-Dichloroethane	41	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	10	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	6.2	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	1.0J	3.0
Benzene	2.5	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79168.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79168.d
Report Date: 13-Sep-2006 13:33

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d
Lab Smp Id: 768748 Client Smp ID: MW04-060911
Inj Date : 12-SEP-2006 14:36
Operator : VOAMS 10 Inst ID: VOAMS10.i
Smp Info : 768748
Misc Info : W881;3249;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/8260H_05.m
Meth Date : 13-Sep-2006 10:59 pritch Quant Type: ISTD
Cal Date : 29-AUG-2006 00:37 Cal File: bb78970.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

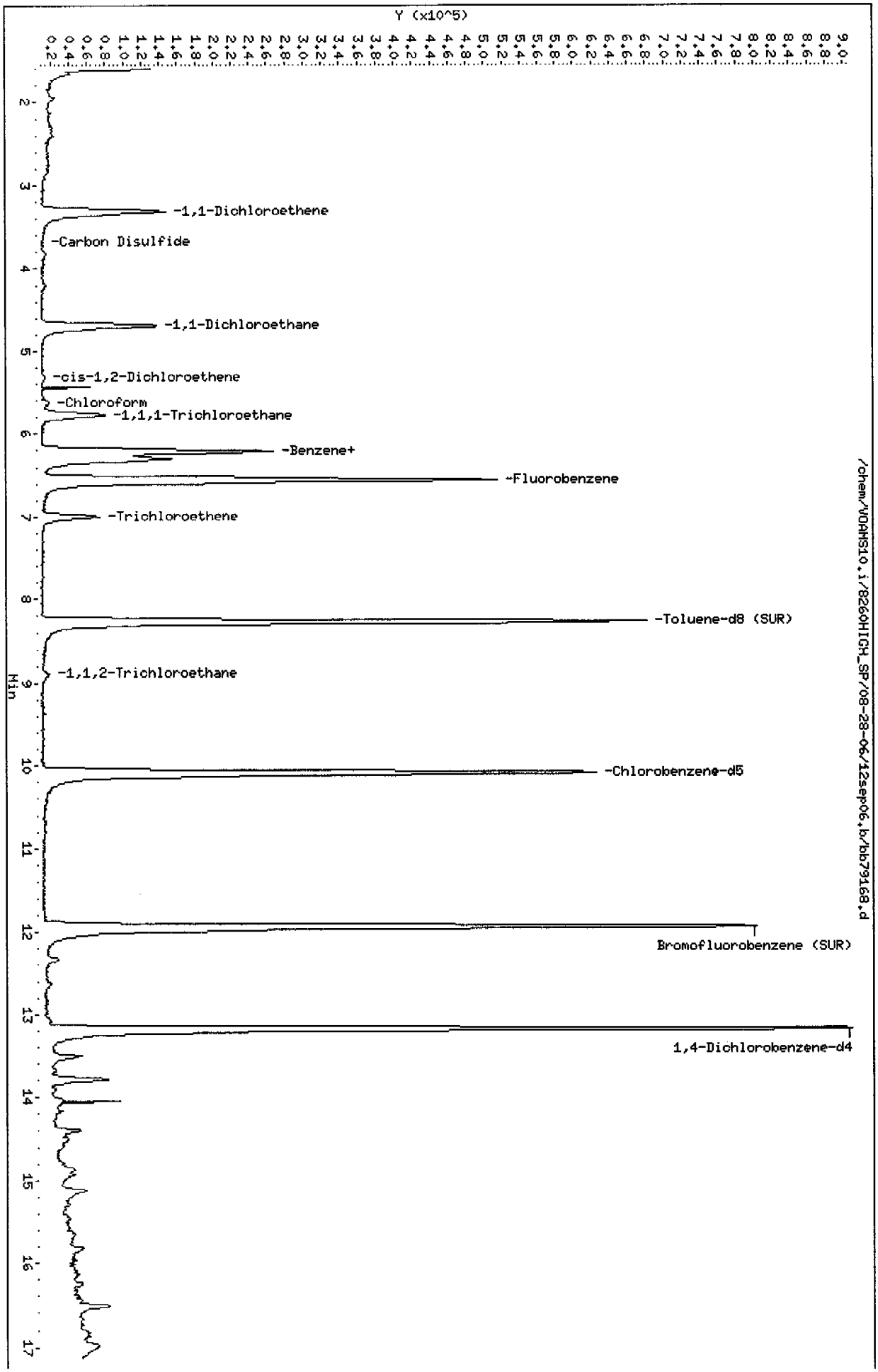
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	10 1,1-Dichloroethene	96	3.310	3.289	(0.505)	142934	28.7832	29
	8 Carbon Disulfide	76	3.546	3.525	(0.541)	6198	0.42080	0.42(a)
	11 1,1-Dichloroethane	63	4.689	4.678	(0.716)	292864	30.9556	31
	13 cis-1,2-Dichloroethene	96	5.310	5.288	(0.810)	2816	0.47661	0.48(a)
	15 Chloroform	83	5.635	5.614	(0.860)	15603	1.29607	1.3(a)
	20 1,1,1-Trichloroethane	97	5.773	5.761	(0.881)	105961	10.3560	10
	28 Benzene	78	6.196	6.175	(0.946)	41739	2.54931	2.5
$	16 1,2-Dichloroethane-d4 (SUR)	65	6.206	6.205	(0.947)	384951	66.1382	66
	17 1,2-Dichloroethane	62	6.304	6.293	(0.962)	259020	41.2161	41
*	19 Fluorobenzene	96	6.551	6.540	(1.000)	1024192	50.0000	
	25 Trichloroethene	95	6.994	6.973	(1.068)	45659	6.20552	6.2
$	37 Toluene-d8 (SUR)	98	8.265	8.254	(0.820)	867567	53.5260	54
	27 1,1,2-Trichloroethane	83	8.915	8.855	(0.885)	5282	0.95342	0.95(a)
*	32 Chlorobenzene-d5	117	10.078	10.076	(1.000)	849075	50.0000	
$	41 Bromofluorobenzene (SUR)	174	11.930	11.928	(0.906)	526008	51.4402	51
*	91 1,4-Dichlorobenzene-d4	152	13.171	13.170	(1.000)	521370	50.0000	

Data File: bb79168.d
Report Date: 13-Sep-2006 13:33

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Y (x10^5)
-1,1-Dichloroethene
-Carbon Disulfide
-1,1-Dichloroethane
-cis-1,2-Dichloroethene
-Chloroform
-1,1,1-Trichloroethane
-Benzene+
-Fluorobenzene
-Trichloroethene
-Toluene-d8 (SUR)
-1,1,2-Trichloroethane
-Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
Min
/chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d
Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d
Date : 12-SEP-2006 14:36
Client ID: MW04-060911
Sample Info: 768748
Purge Volume: 5.0
Column phase: Rtx-624
Instrument: VOAMS10.i
Operator: VOAMS 10
Column diameter: 0.53

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

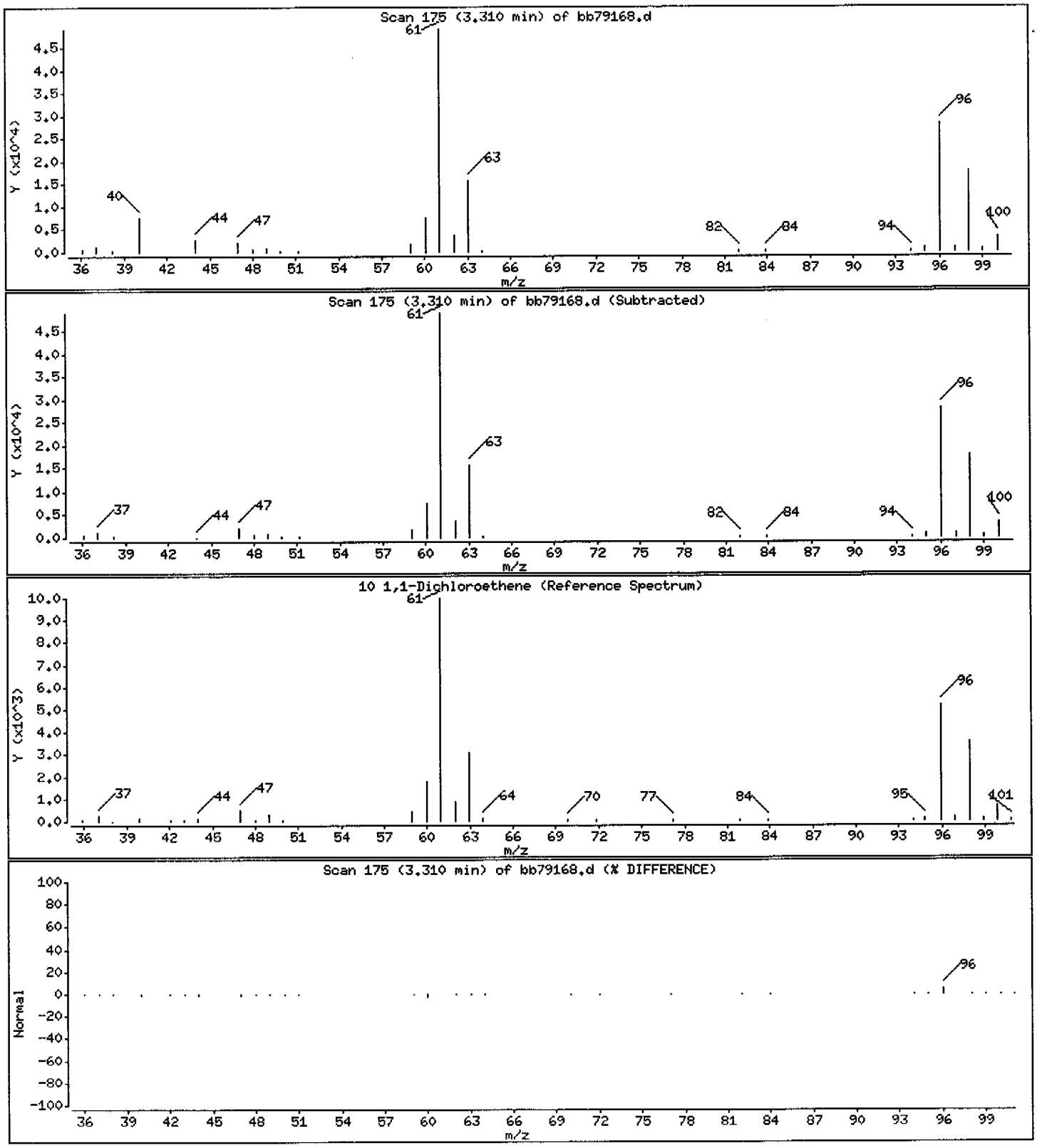
Client ID: MW04-060911 Instrument: VOAMS10.i

Sample Info: 768748

Purge Volume: 5.0 Operator: VOAMS 10

Column phase: Rtx-624 Column diameter: 0.53

10 1,1-Dichloroethene Concentration: 29 ug/L



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Date : 12-SEP-2006 14:36

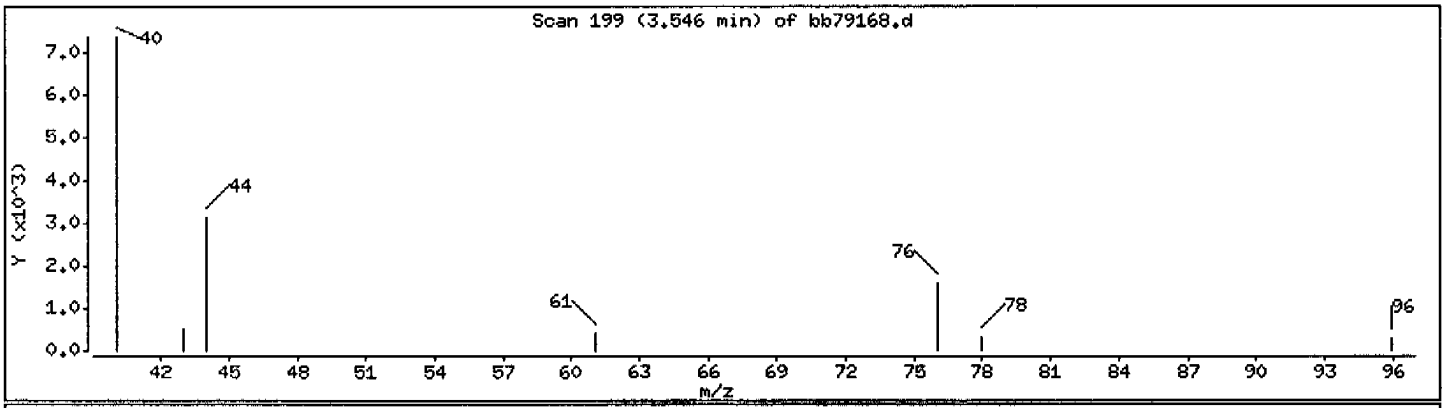
Client ID: MW04-060911 Instrument: VOAMS10.i

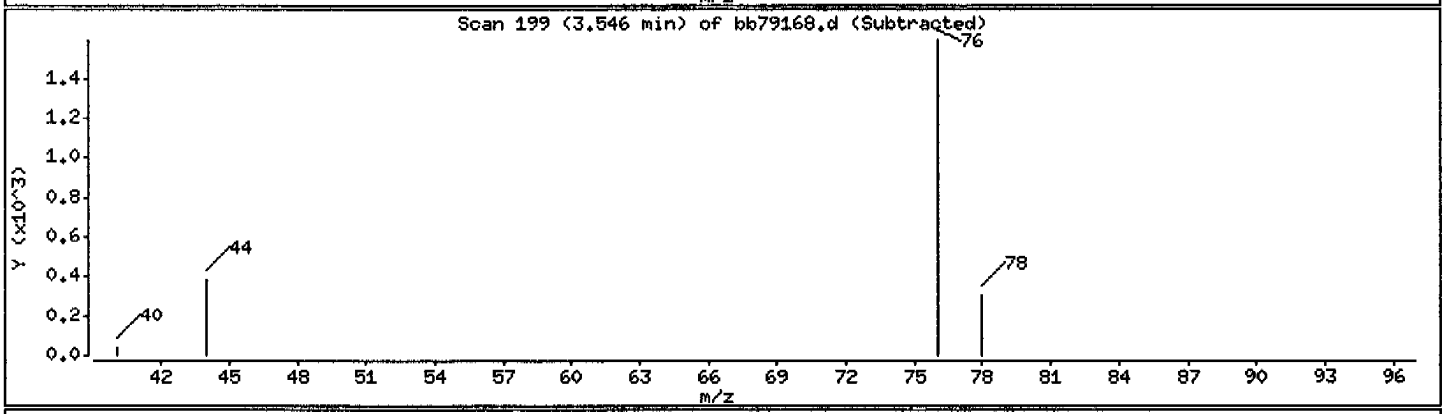
Sample Info: 768748

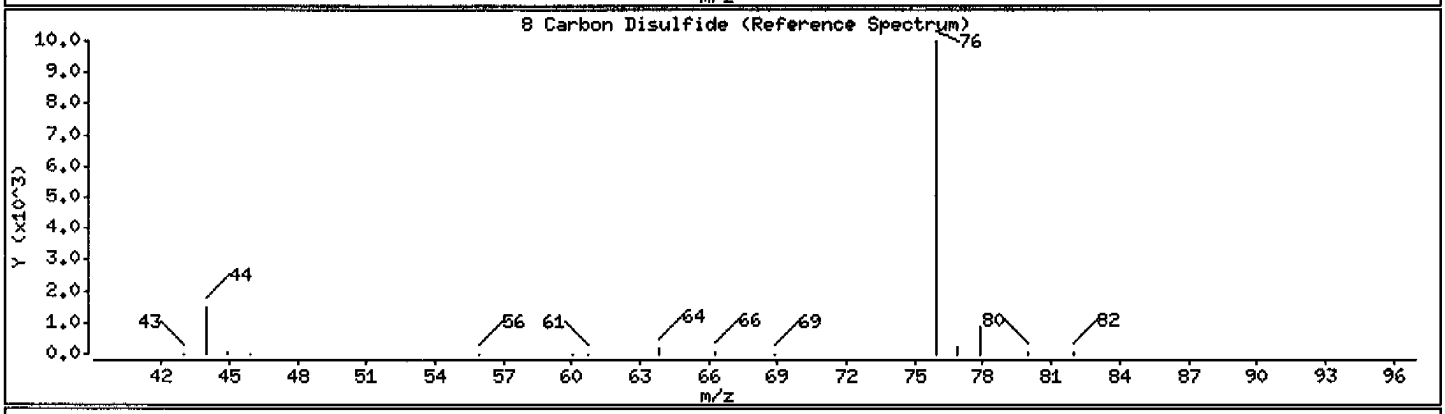
Purge Volume: 5.0 Operator: VOAMS 10

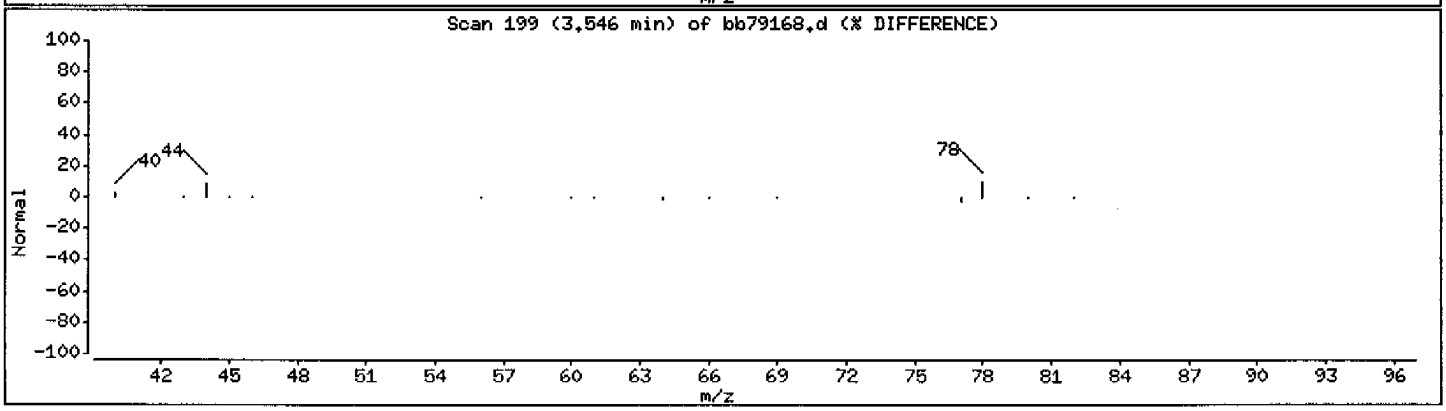
Column phase: Rtx-624 Column diameter: 0.53

8 Carbon Disulfide Concentration: 0.42 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

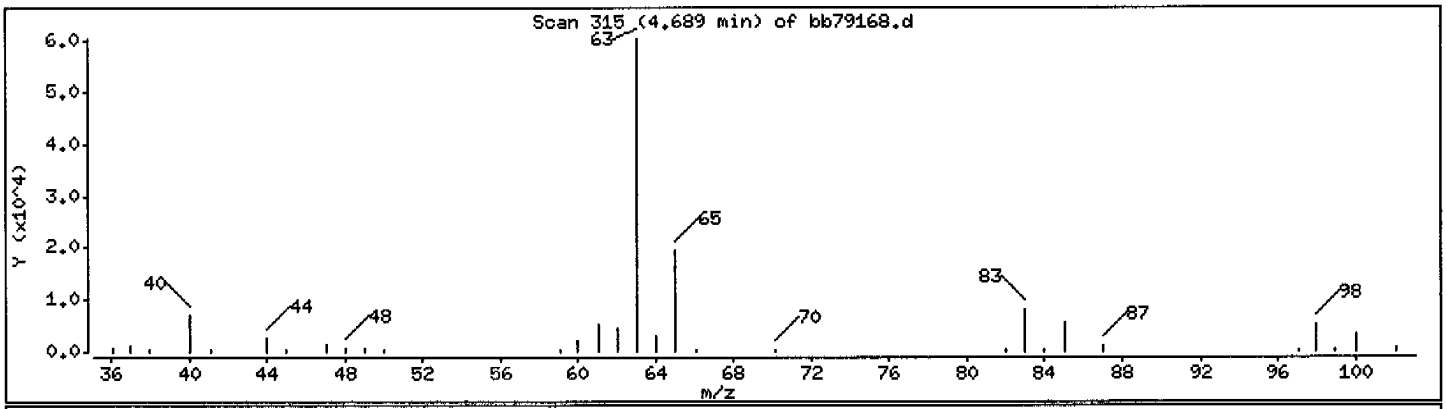
Client ID: MW04-060911 Instrument: VOAMS10.i

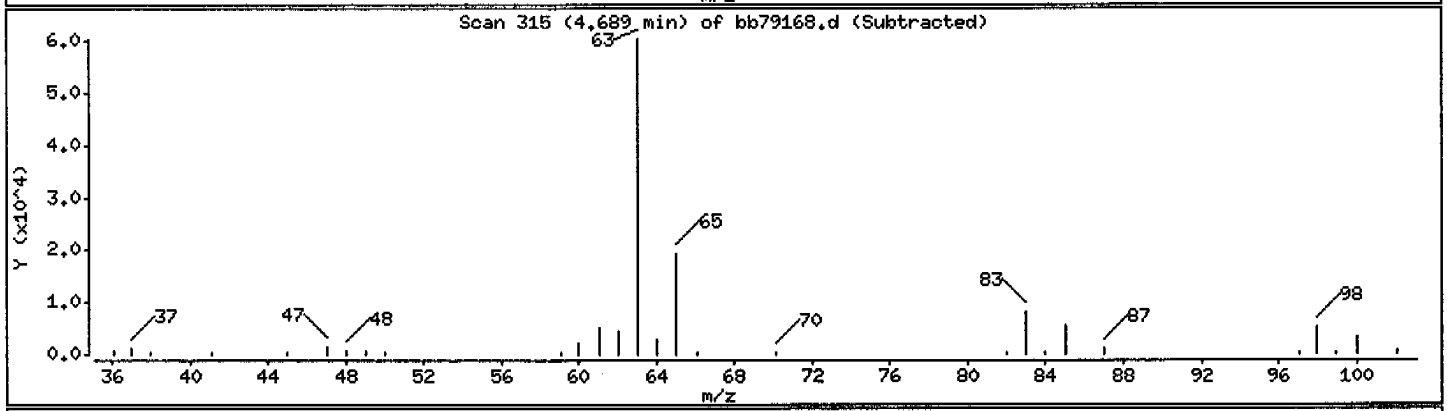
Sample Info: 768748

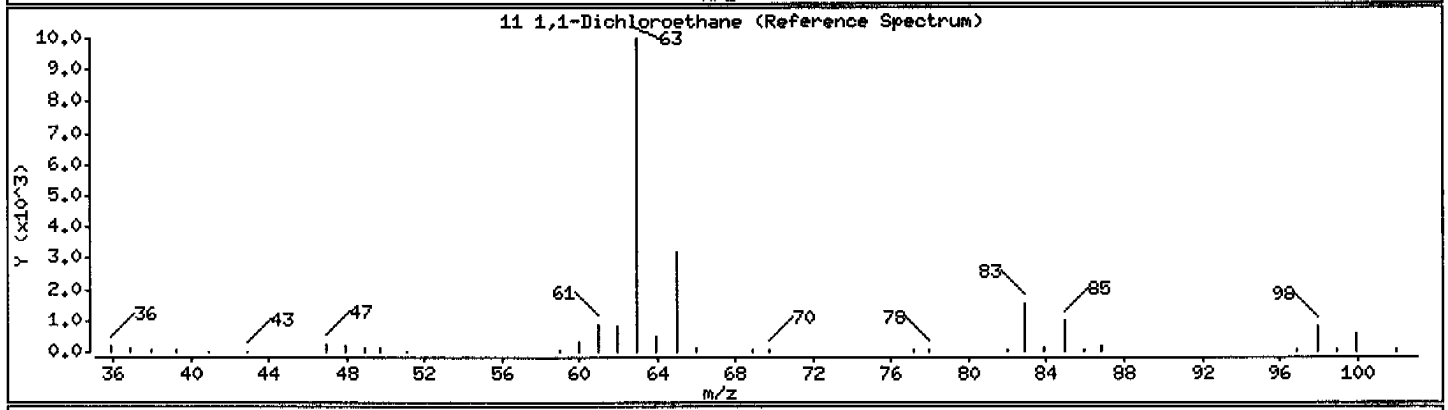
Purge Volume: 5.0 Operator: VOAMS 10

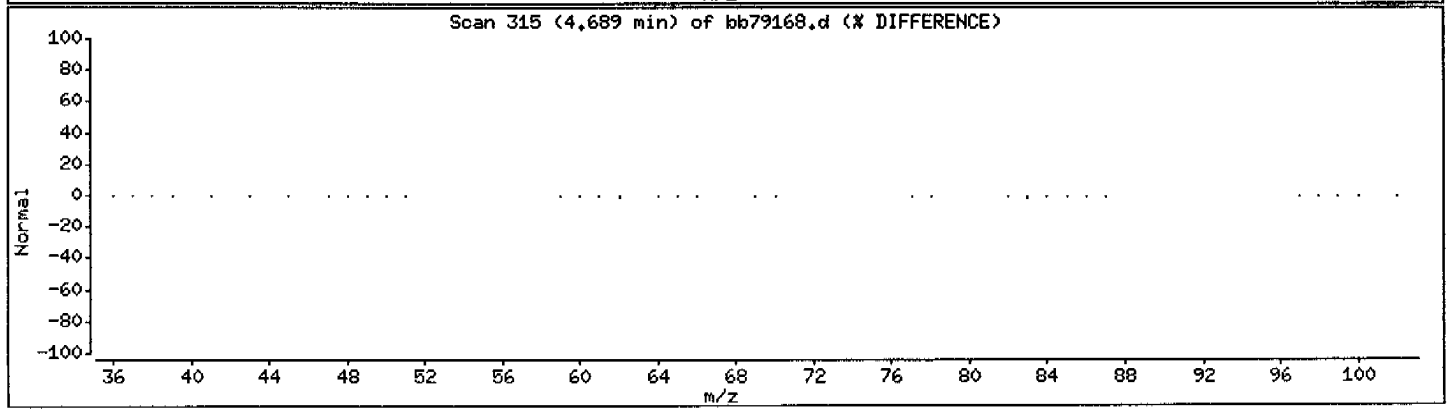
Column phase: Rtx-624 Column diameter: 0.53

11 1,1-Dichloroethane Concentration: 31 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

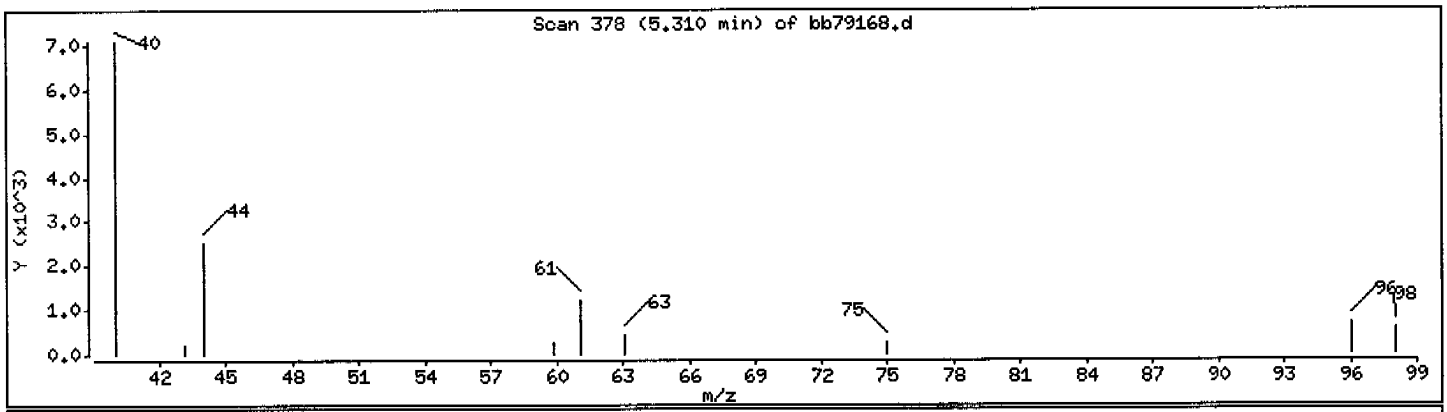
Client ID: MW04-060911 Instrument: VOAMS10.i

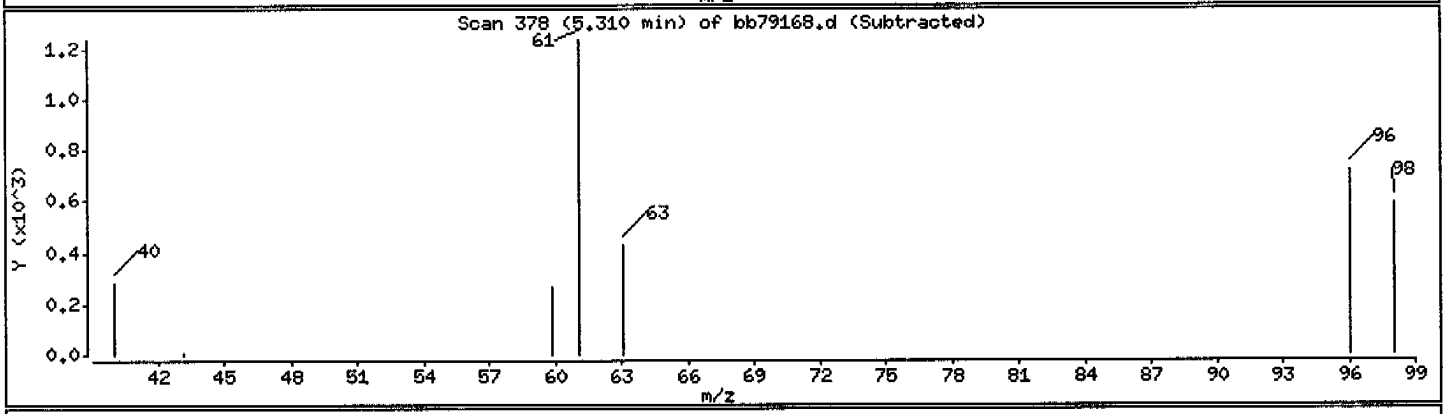
Sample Info: 768748

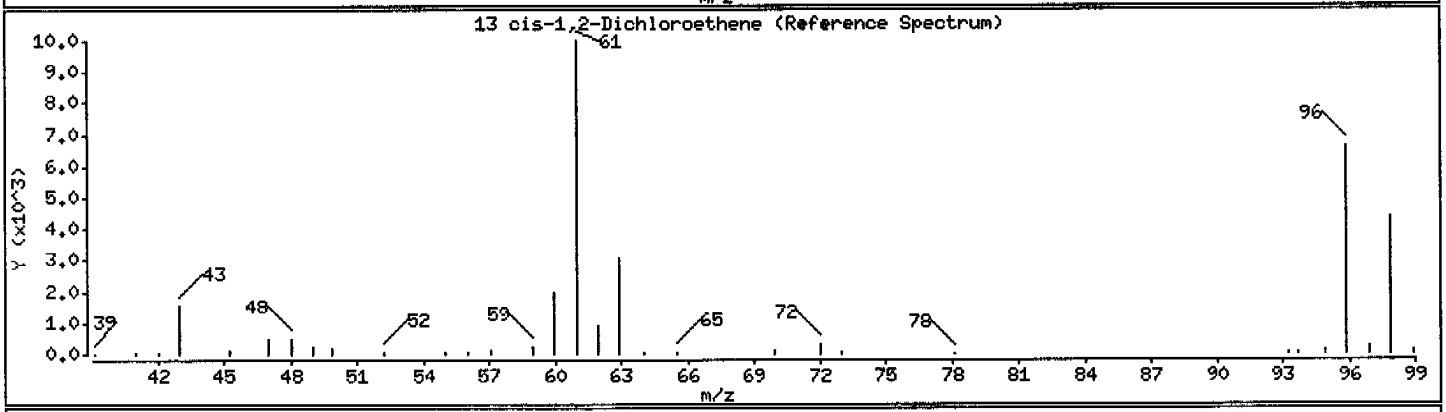
Purge Volume: 5.0 Operator: VOAMS 10

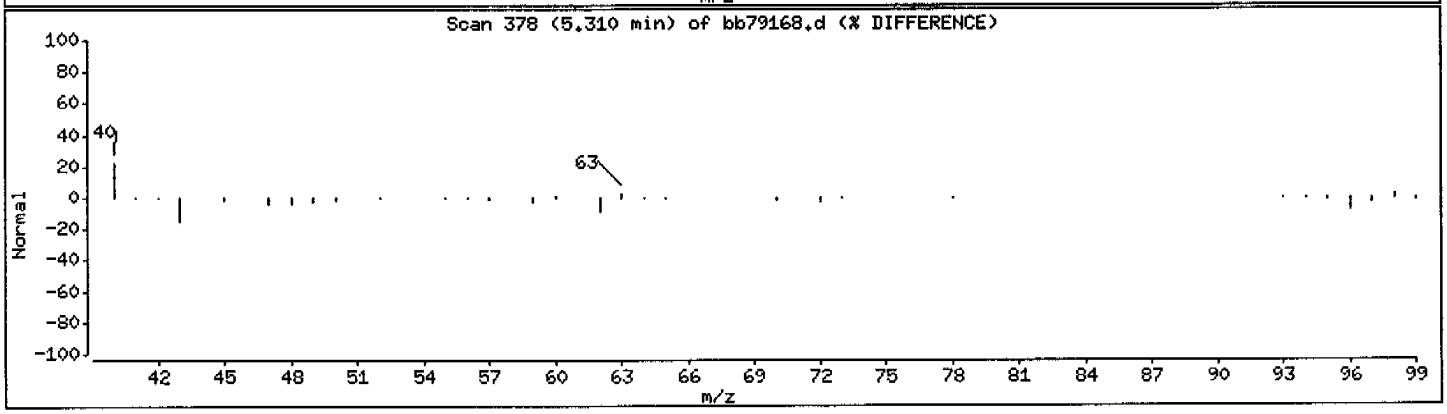
Column phase: Rtx-624 Column diameter: 0.53

13 cis-1,2-Dichloroethene Concentration: 0.48 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

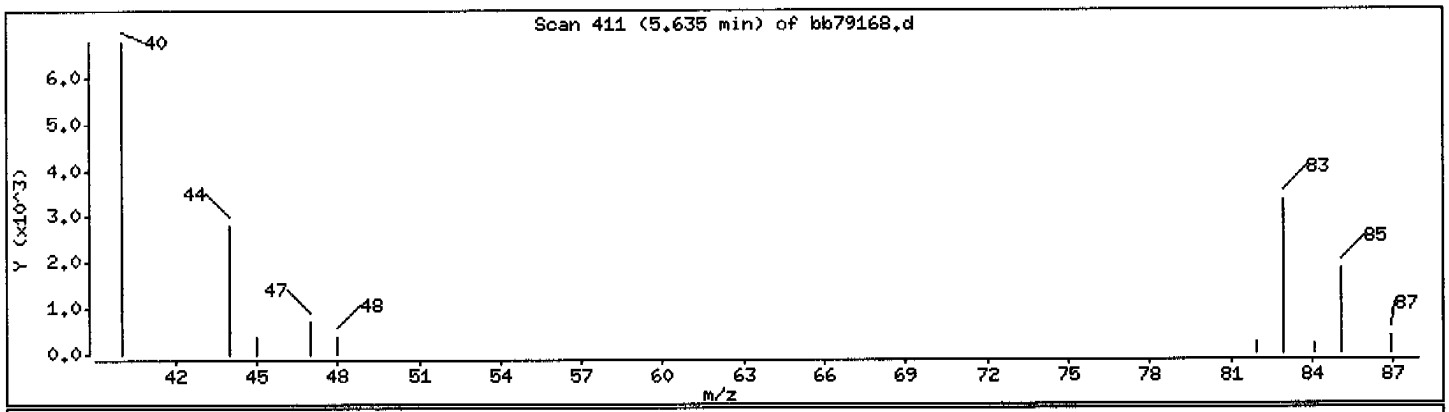
Client ID: MW04-060911 Instrument: VOAMS10.i

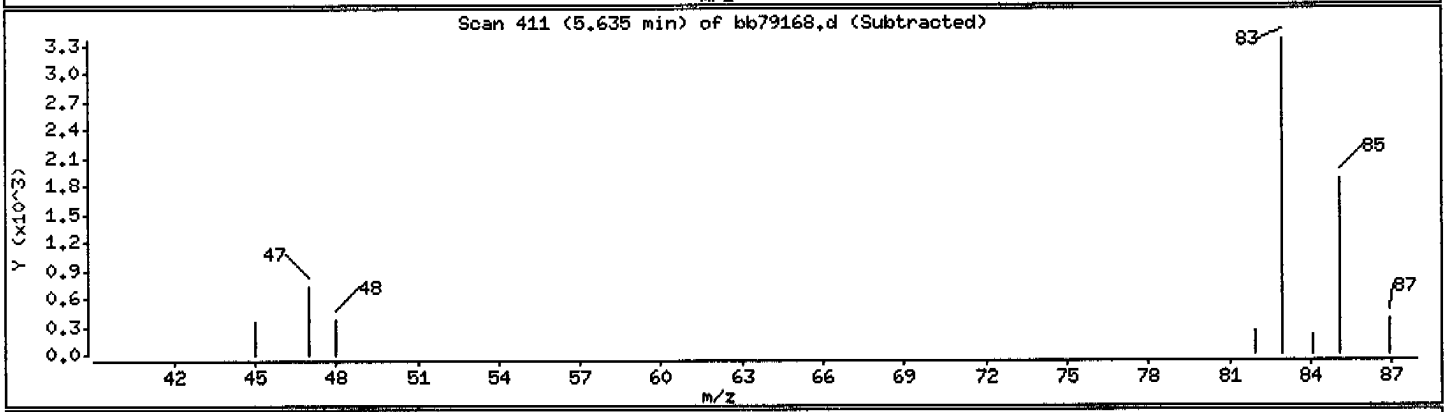
Sample Info: 768748

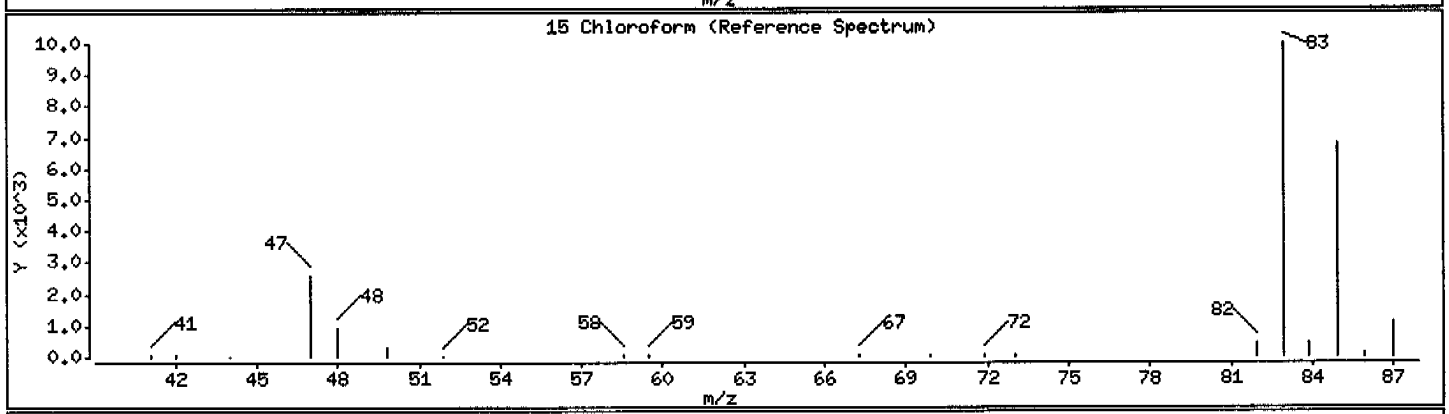
Purge Volume: 5.0 Operator: VOAMS 10

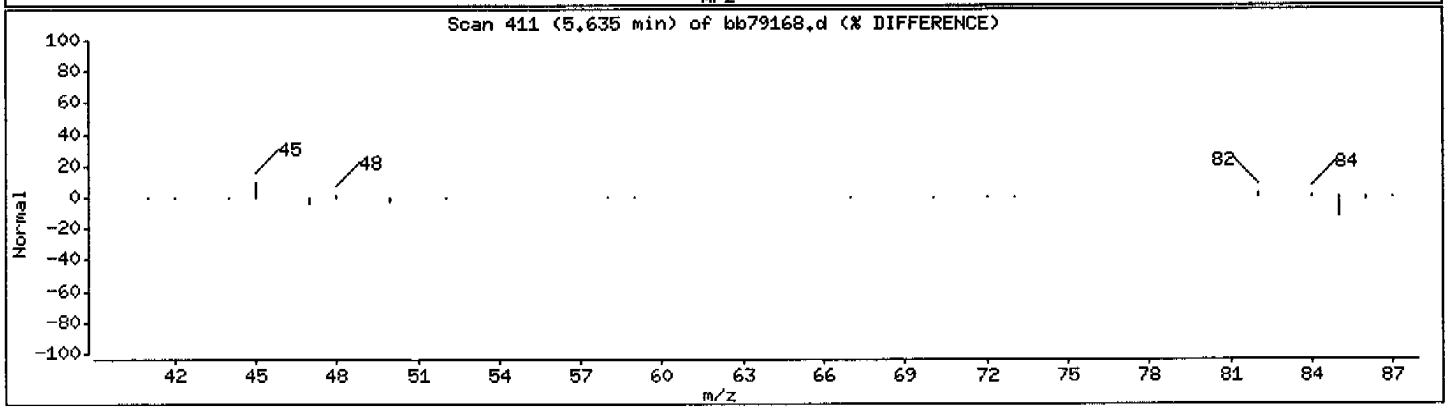
Column phase: Rtx-624 Column diameter: 0.53

15 Chloroform Concentration: 1.3 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

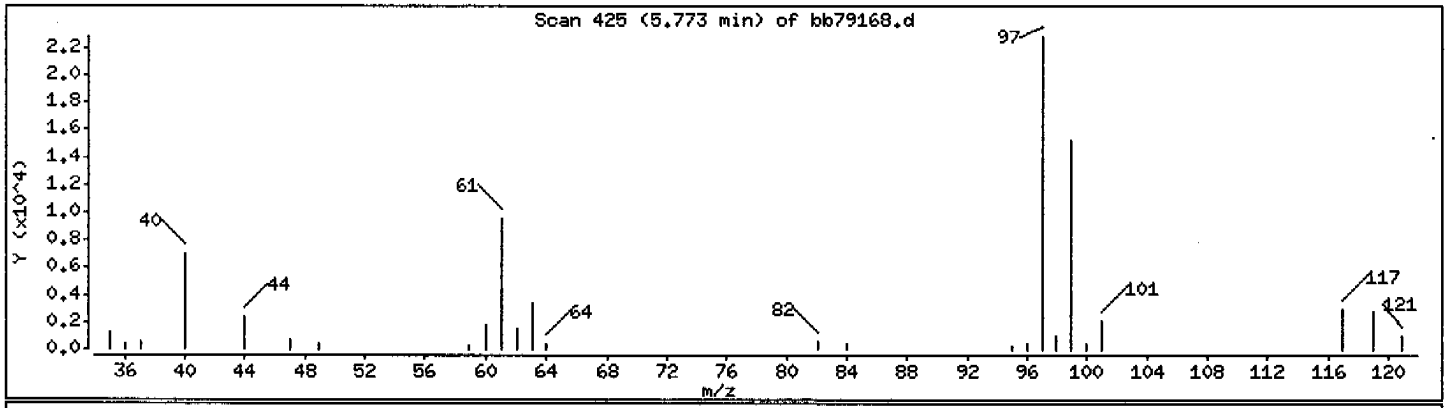
Client ID: MW04-060911 Instrument: VOAMS10.i

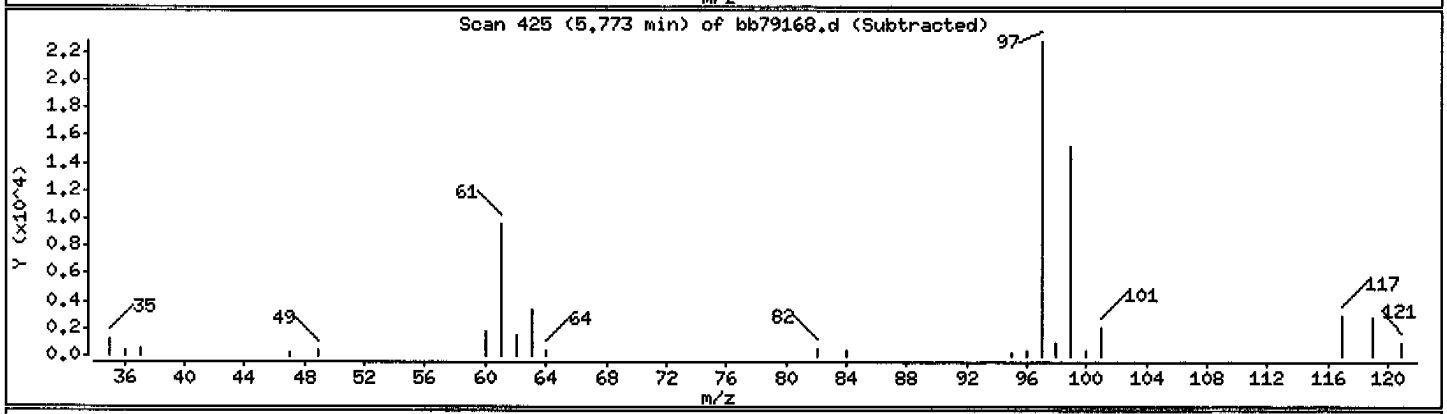
Sample Info: 768748

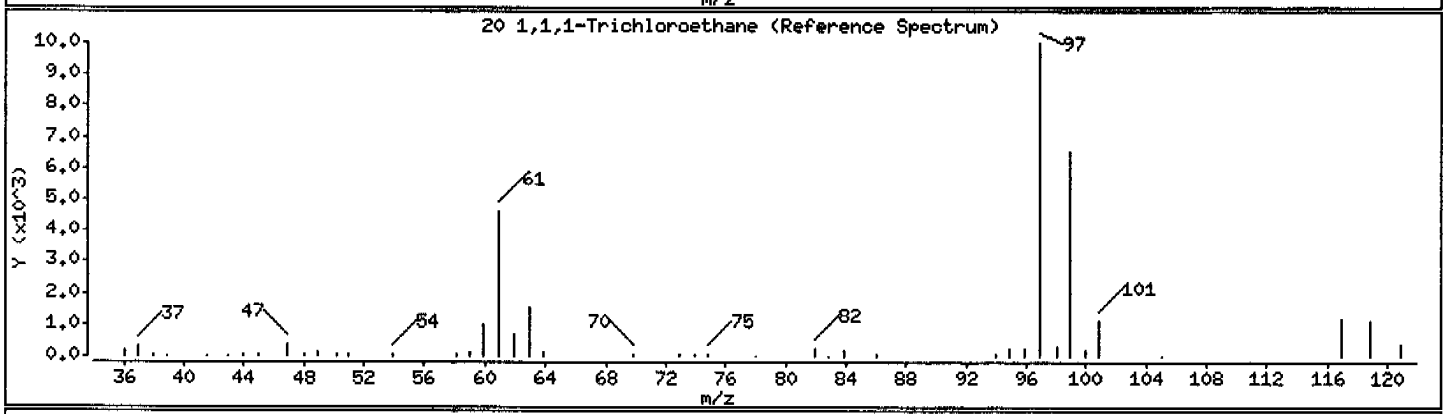
Purge Volume: 5.0 Operator: VOAMS 10

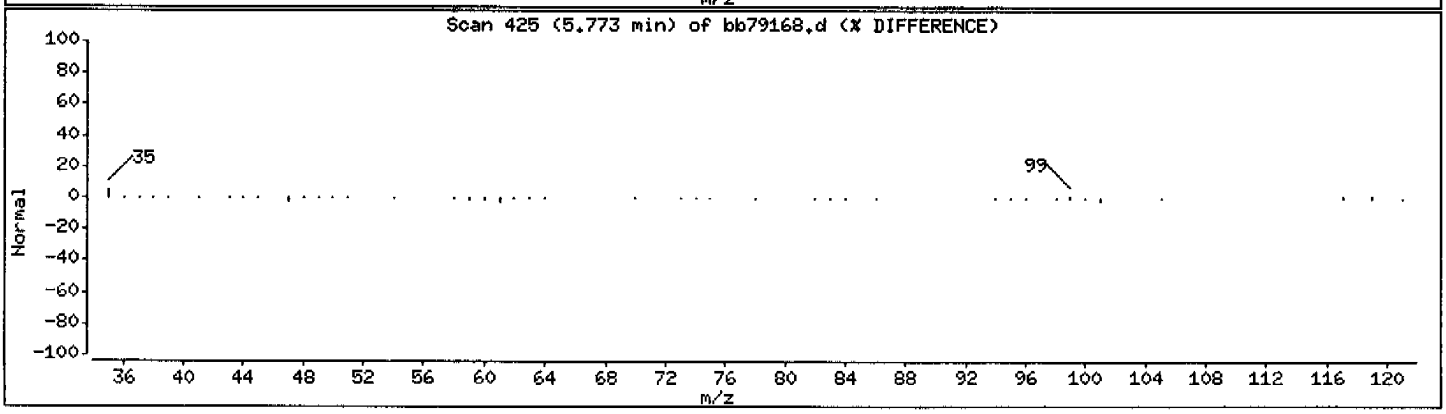
Column phase: Rtx-624 Column diameter: 0.53

20 1,1,1-Trichloroethane Concentration: 10 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

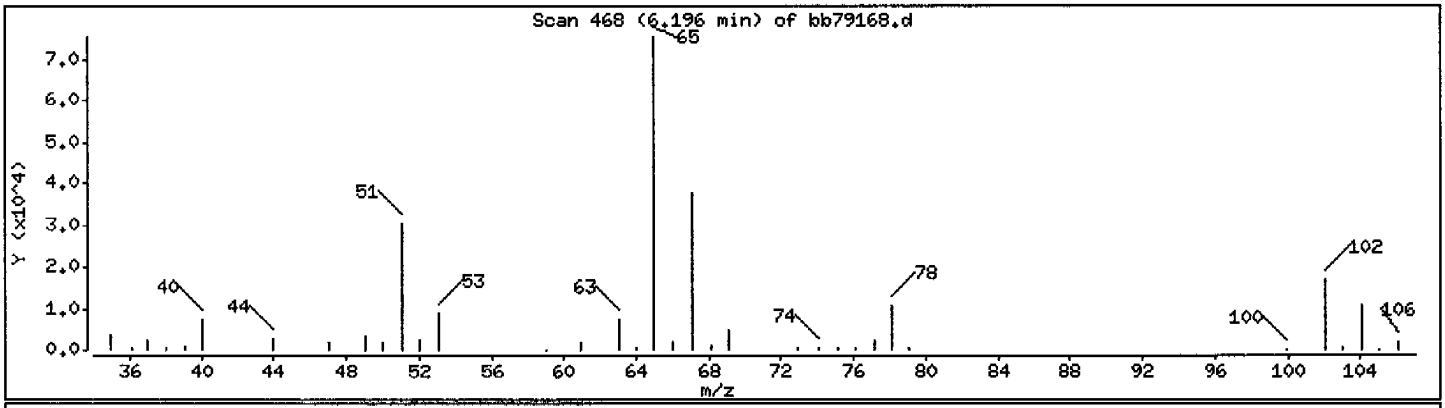
Client ID: MW04-060911 Instrument: VOAMS10.i

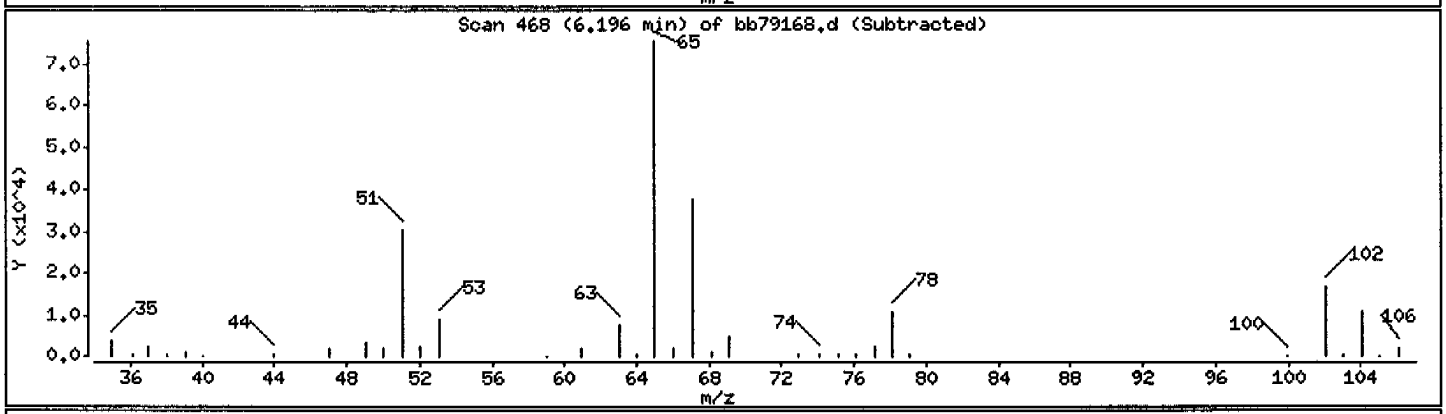
Sample Info: 768748

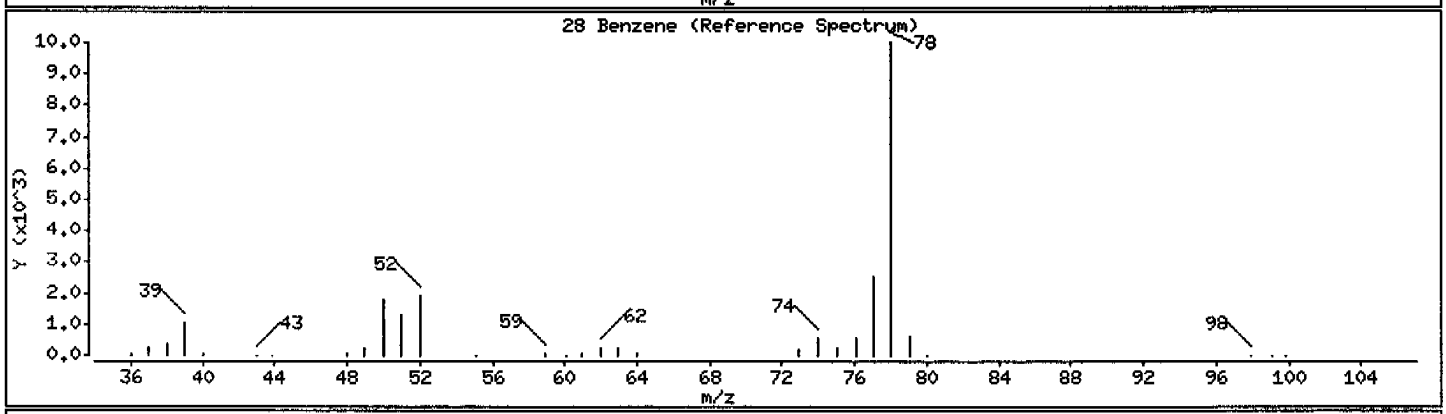
Purge Volume: 5.0 Operator: VOAMS 10

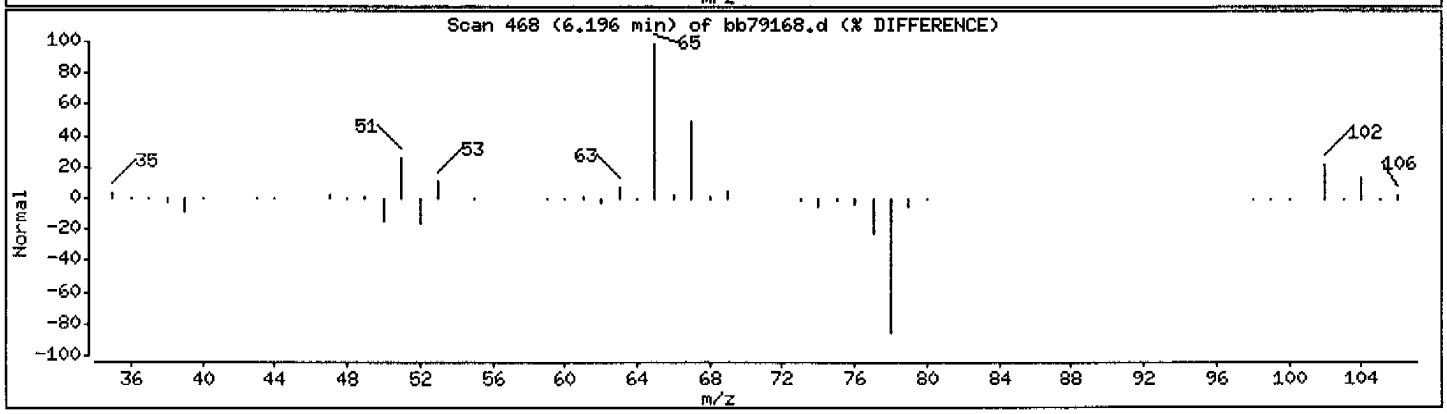
Column phase: Rtx-624 Column diameter: 0.53

28 Benzene Concentration: 2.5 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

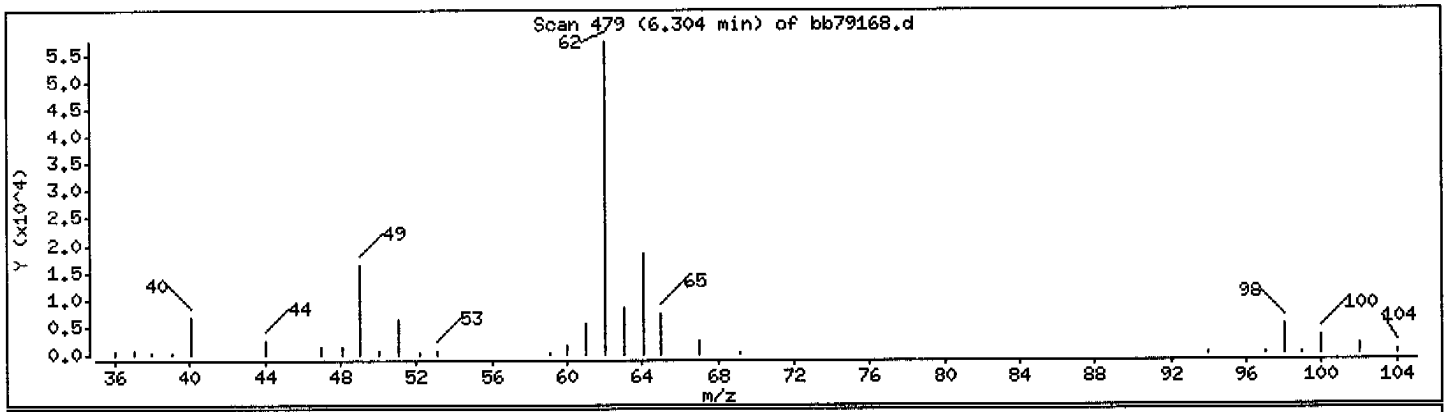
Client ID: MW04-060911 Instrument: VOAMS10.i

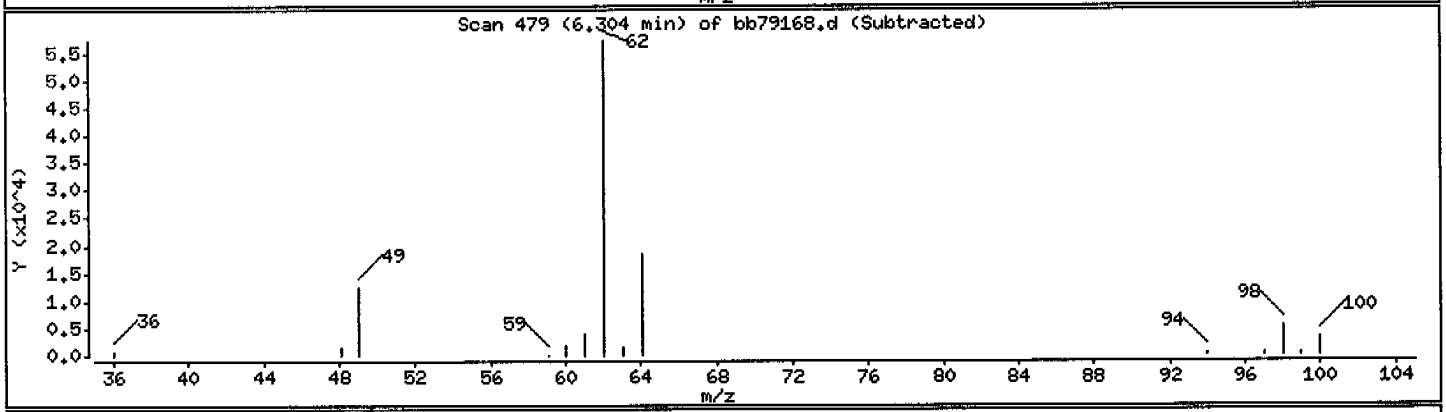
Sample Info: 768748

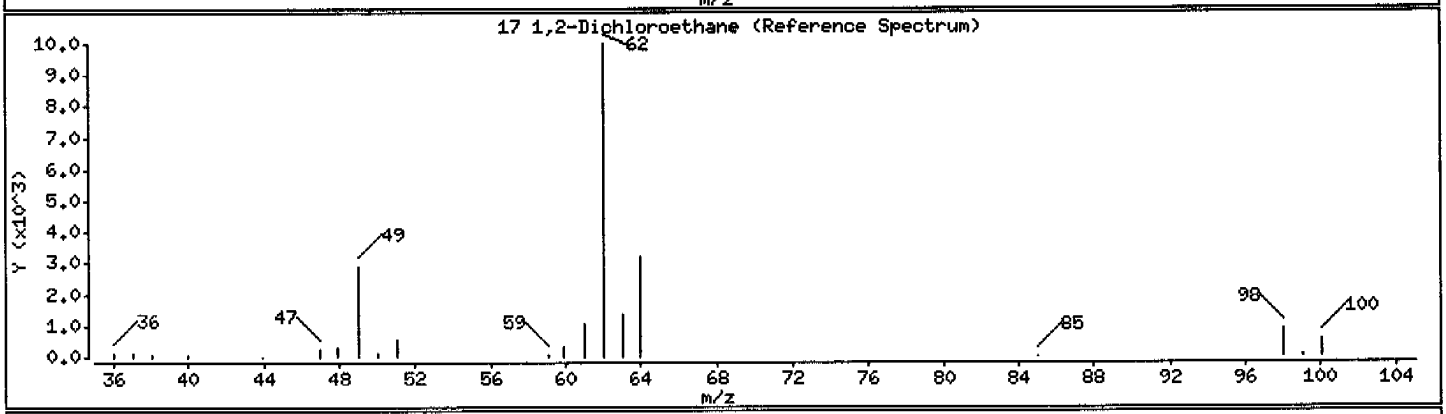
Purge Volume: 5.0 Operator: VOAMS 10

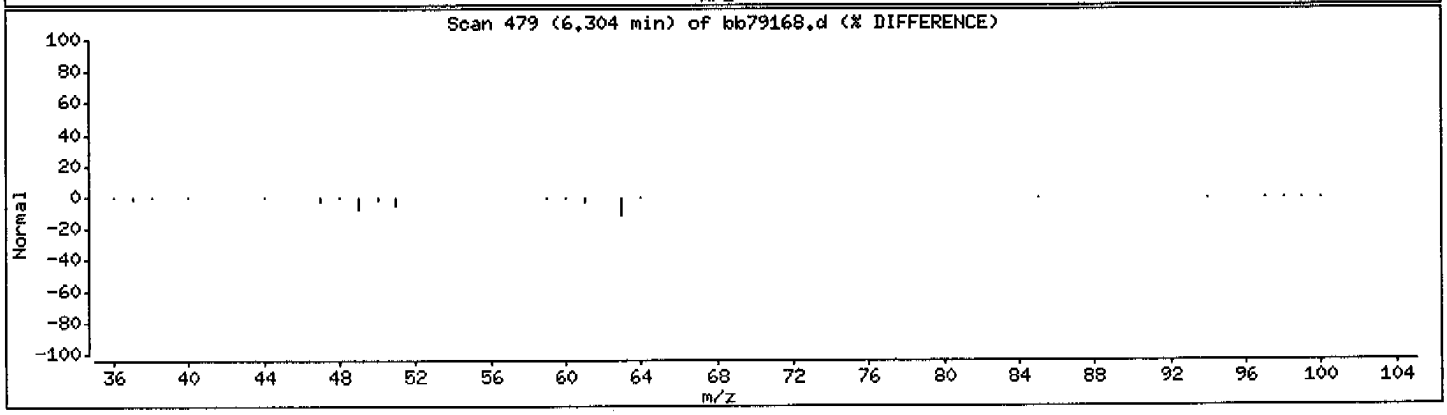
Column phase: Rtx-624 Column diameter: 0.53

17 1,2-Dichloroethane Concentration: 41 ug/L









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Date : 12-SEP-2006 14:36

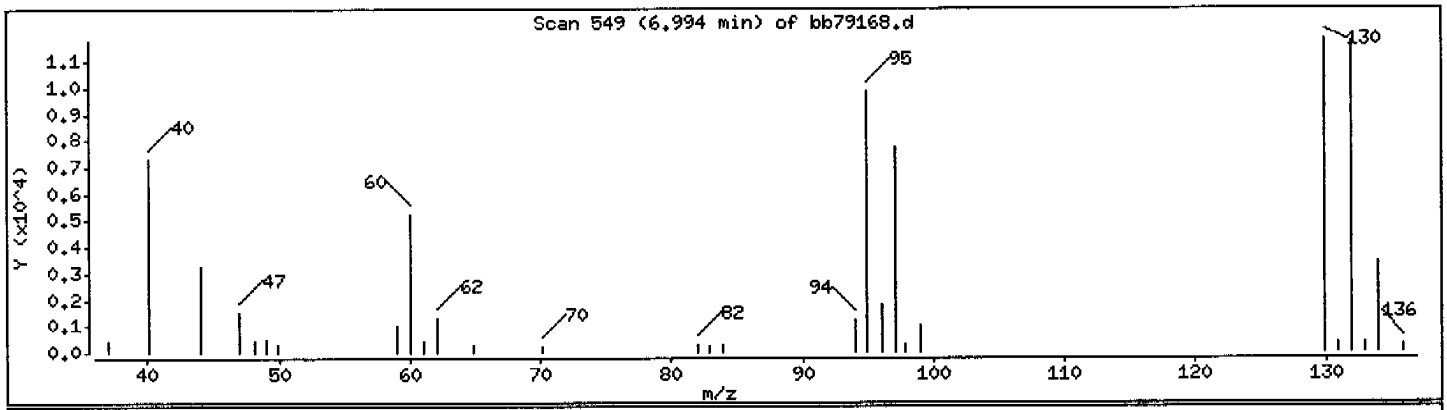
Client ID: MW04-060911 Instrument: VOAMS10.i

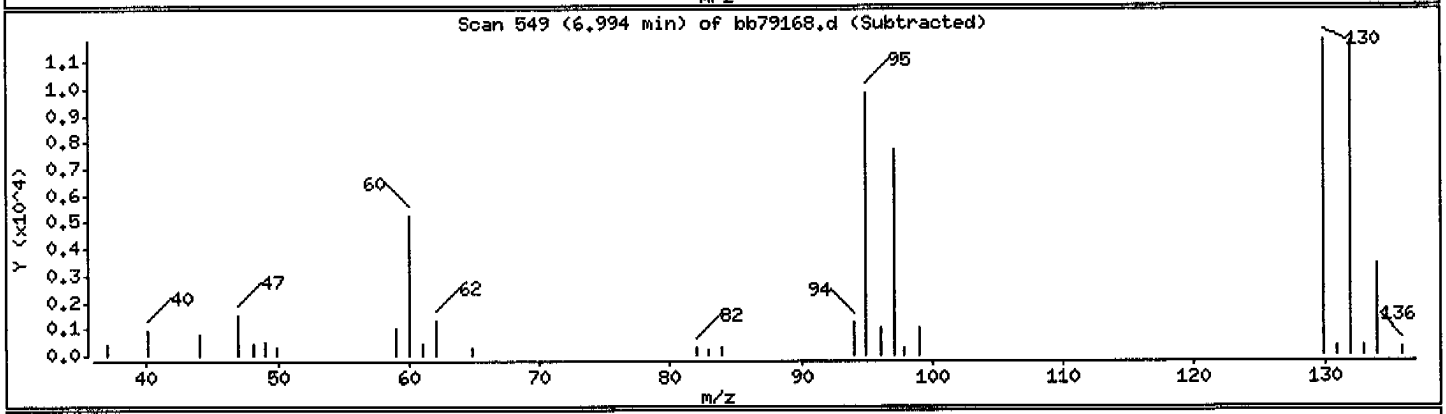
Sample Info: 768748

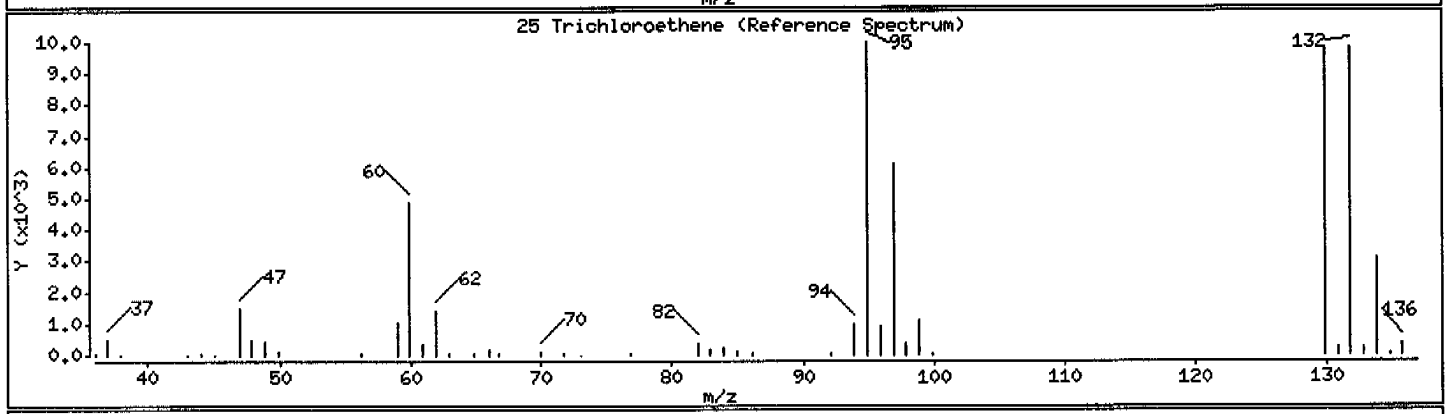
Purge Volume: 5.0 Operator: VOAMS 10

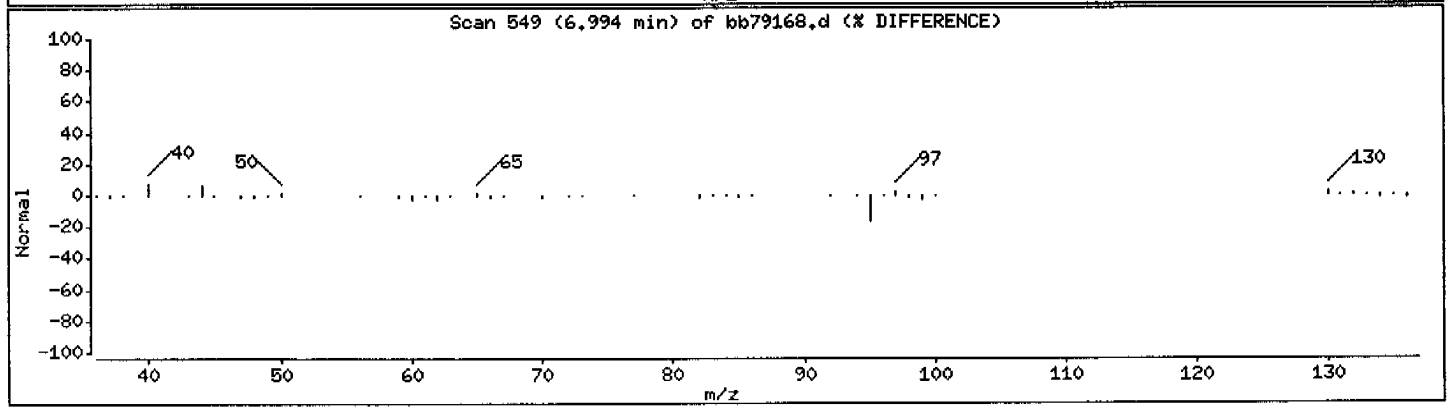
Column phase: Rtx-624 Column diameter: 0.53

25 Trichloroethene Concentration: 6.2 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79168.d

Date : 12-SEP-2006 14:36

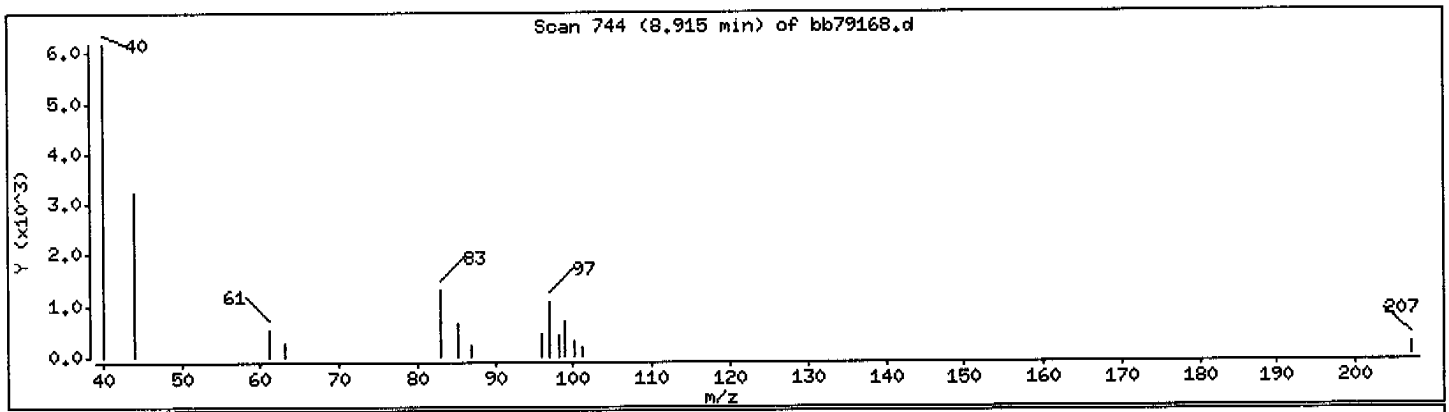
Client ID: MW04-060911 Instrument: VOAMS10.i

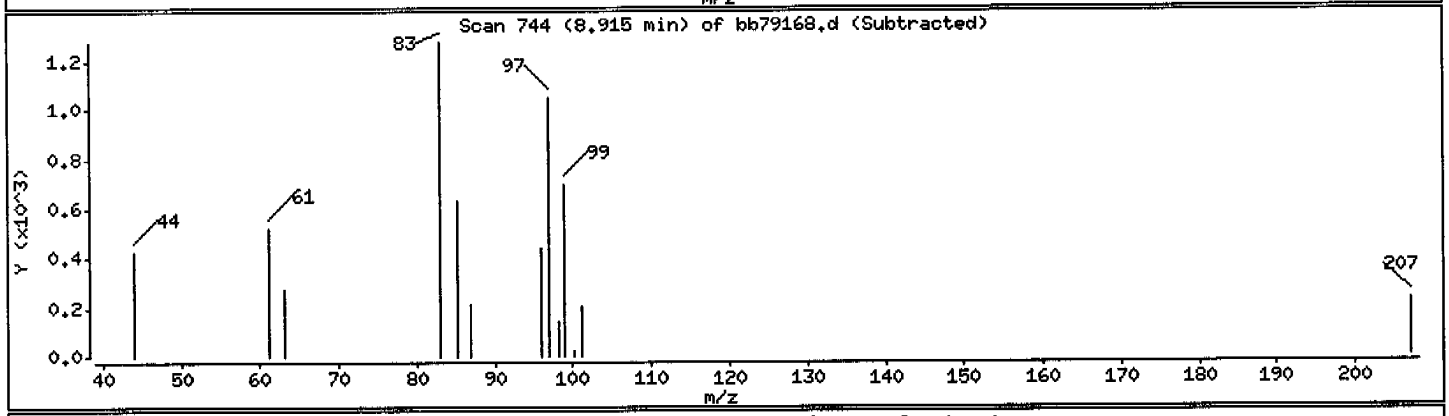
Sample Info: 768748

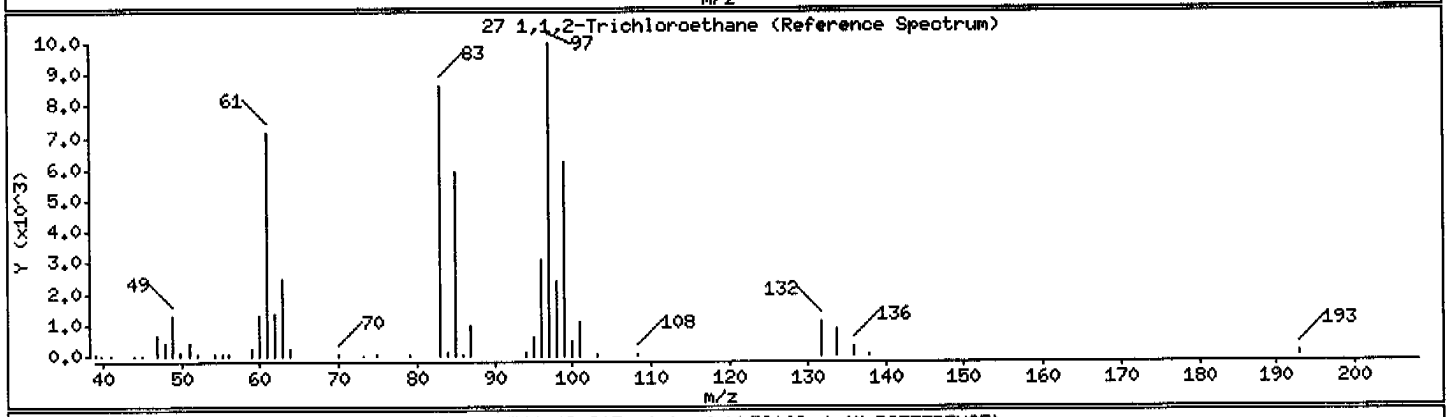
Purge Volume: 5.0 Operator: VOAMS 10

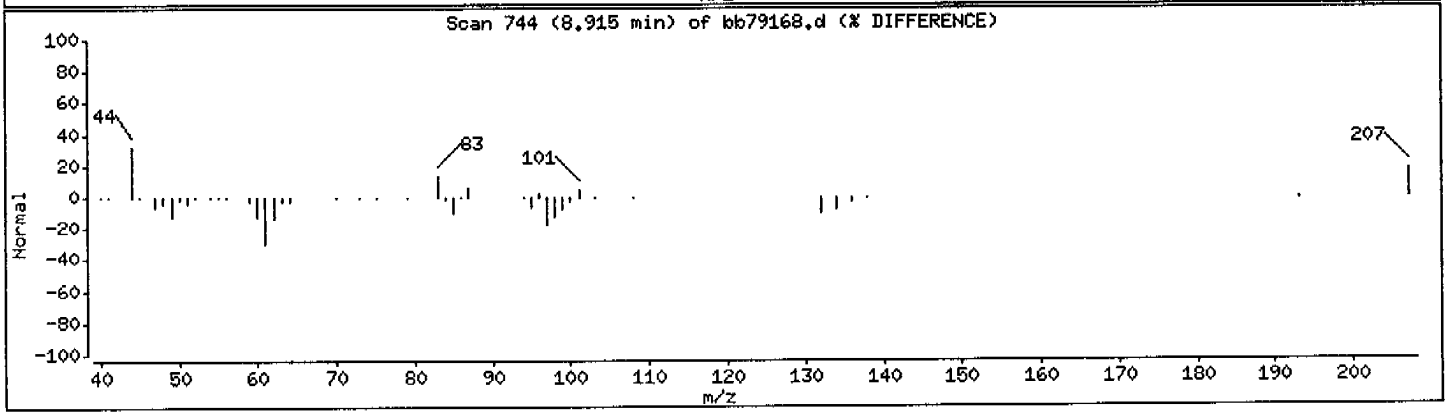
Column phase: Rtx-624 Column diameter: 0.53

27 1,1,2-Trichloroethane Concentration: 0.95 ug/L









Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79169.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79169.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79169.d
Report Date: 13-Sep-2006 13:33

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79169.d
Lab Smp Id: 768749 Client Smp ID: FB-060911
Inj Date : 12-SEP-2006 15:02
Operator : VOAMS 10 Inst ID: VOAMS10.i
Smp Info : 768749
Misc Info : W881;3249;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/8260H_05.m
Meth Date : 13-Sep-2006 10:59 pritch Quant Type: ISTD
Cal Date : 29-AUG-2006 00:37 Cal File: bb78970.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

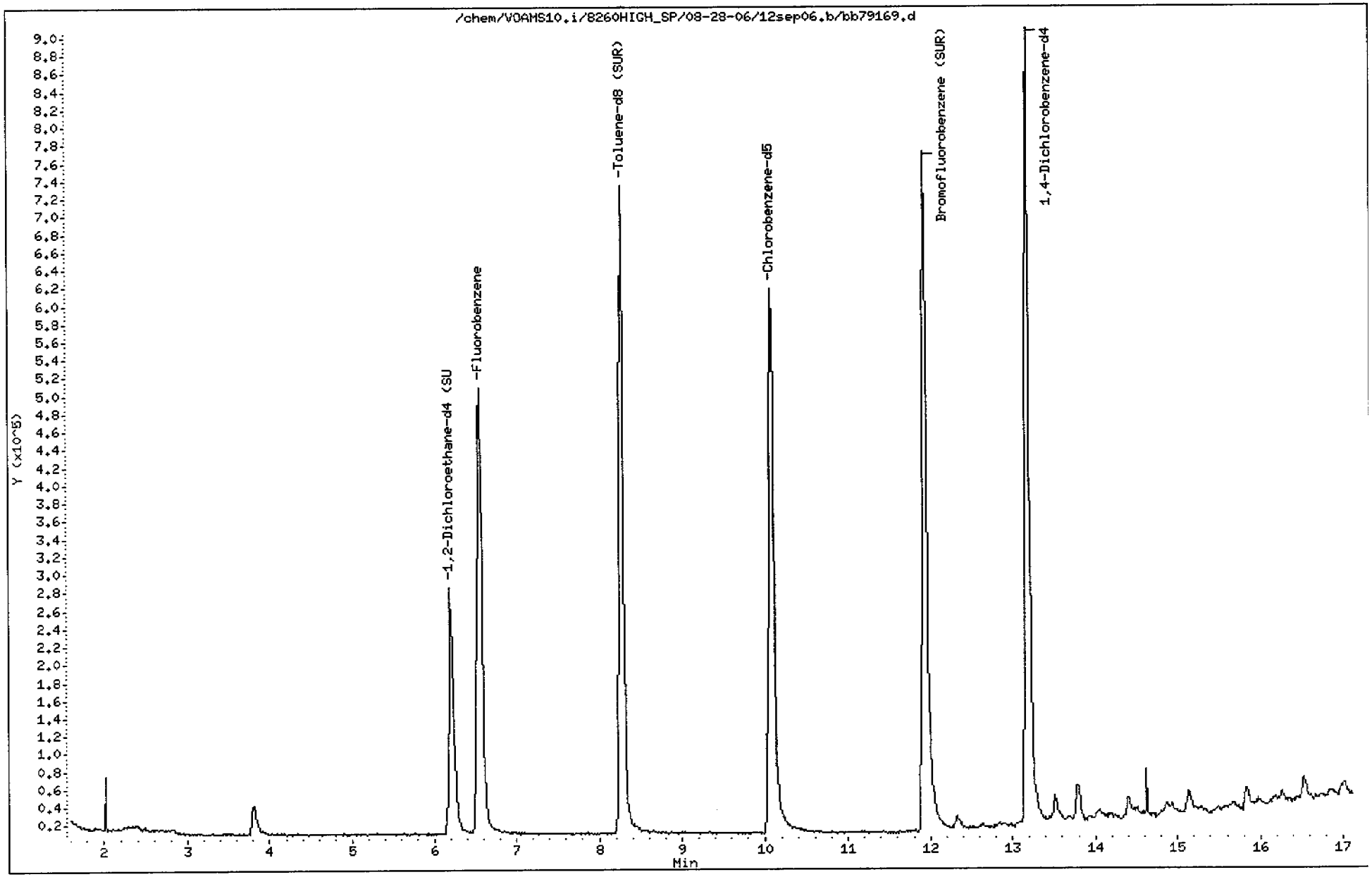
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	6.197	6.205	(0.946)	376547	64.4611	64
* 19 Fluorobenzene	96	6.551	6.540	(1.000)	1027897	50.0000	
$ 37 Toluene-d8 (SUR)	98	8.275	8.254	(0.821)	872614	53.6348	54
* 32 Chlorobenzene-d5	117	10.078	10.076	(1.000)	852282	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	11.930	11.928	(0.906)	513695	51.0317	51
* 91 1,4-Dichlorobenzene-d4	152	13.171	13.170	(1.000)	513242	50.0000	

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79169.d
Date : 12-SEP-2006 15:02
Client ID: FB-060911
Sample Info: 768749
Purge Volume: 5.0
Column phase: Rtx-624

Instrument: VOAMS10.i

Operator: VOAMS 10
Column diameter: 0.53



Client ID: **TB-060911**
Site: Sun Chemical SI

Lab Sample No: **768750**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79170.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **TB-060911**
Site: Sun Chemical SI

Lab Sample No: **768750**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79170.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79170.d
Report Date: 13-Sep-2006 13:33

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

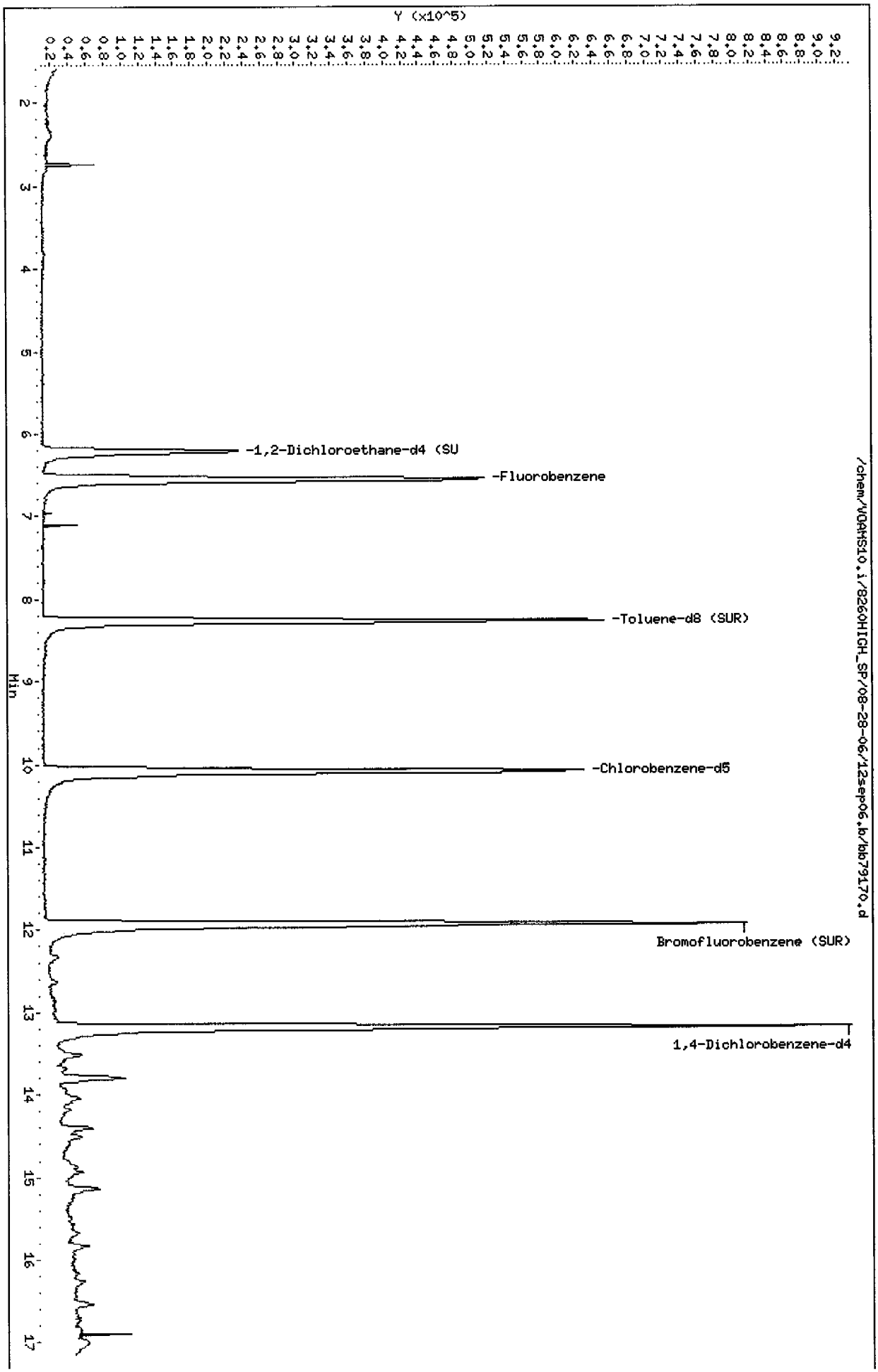
Data file : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79170.d
Lab Smp Id: 768750 Client Smp ID: TB-060911
Inj Date : 12-SEP-2006 15:27
Operator : VOAMS 10 Inst ID: VOAMS10.i
Smp Info : 768750
Misc Info : W881;3249;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/8260H_05.m
Meth Date : 13-Sep-2006 10:59 pritch Quant Type: ISTD
Cal Date : 29-AUG-2006 00:37 Cal File: bb78970.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	6.217	6.205	(0.949)	383011	64.0682	64
* 19 Fluorobenzene	96	6.552	6.540	(1.000)	1051954	50.0000	
$ 37 Toluene-d8 (SUR)	98	8.266	8.254	(0.820)	862883	51.8255	52
* 32 Chlorobenzene-d5	117	10.078	10.076	(1.000)	872200	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	11.930	11.928	(0.906)	529566	52.1186	52
* 91 1,4-Dichlorobenzene-d4	152	13.172	13.170	(1.000)	518065	50.0000	


Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79170.d
Date : 12-SEP-2006 15:27
Client ID: TB-060911
Sample Info: 768750
Purge Volume: 5.0
Column phase: Rtx-624
Instrument: VOAMS10.i
Operator: VOAMS 10
Column diameter: 0.53
Y (x10^5)
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79170.d

Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: BB78960

BFB Injection Date: 08/28/06

Instrument ID: VOAMS10

BFB Injection Time: 1820

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	48.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	75.0
175	5.0 - 9.0% of mass 174	5.0 (6.7)1
176	95.0 - 101.0% of mass 174	72.8 (97.1)1
177	5.0 - 9.0% of mass 176	4.9 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BBSTD005	BBSTD005	BB78966	08/28/06	2256
02	BBSTD020	BBSTD020	BB78967	08/28/06	2321
03	BBSTD050	BBSTD050	BB78968	08/28/06	2347
04	BBSTD100	BBSTD100	BB78969	08/29/06	0012
05	BBSTD200	BBSTD200	BB78970	08/29/06	0037
06					
07					
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12					
13					
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15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/28aug06.b/bb78960.d

Date : 28-AUG-2006 18:20

Client ID:

Instrument: VOAMS10.i

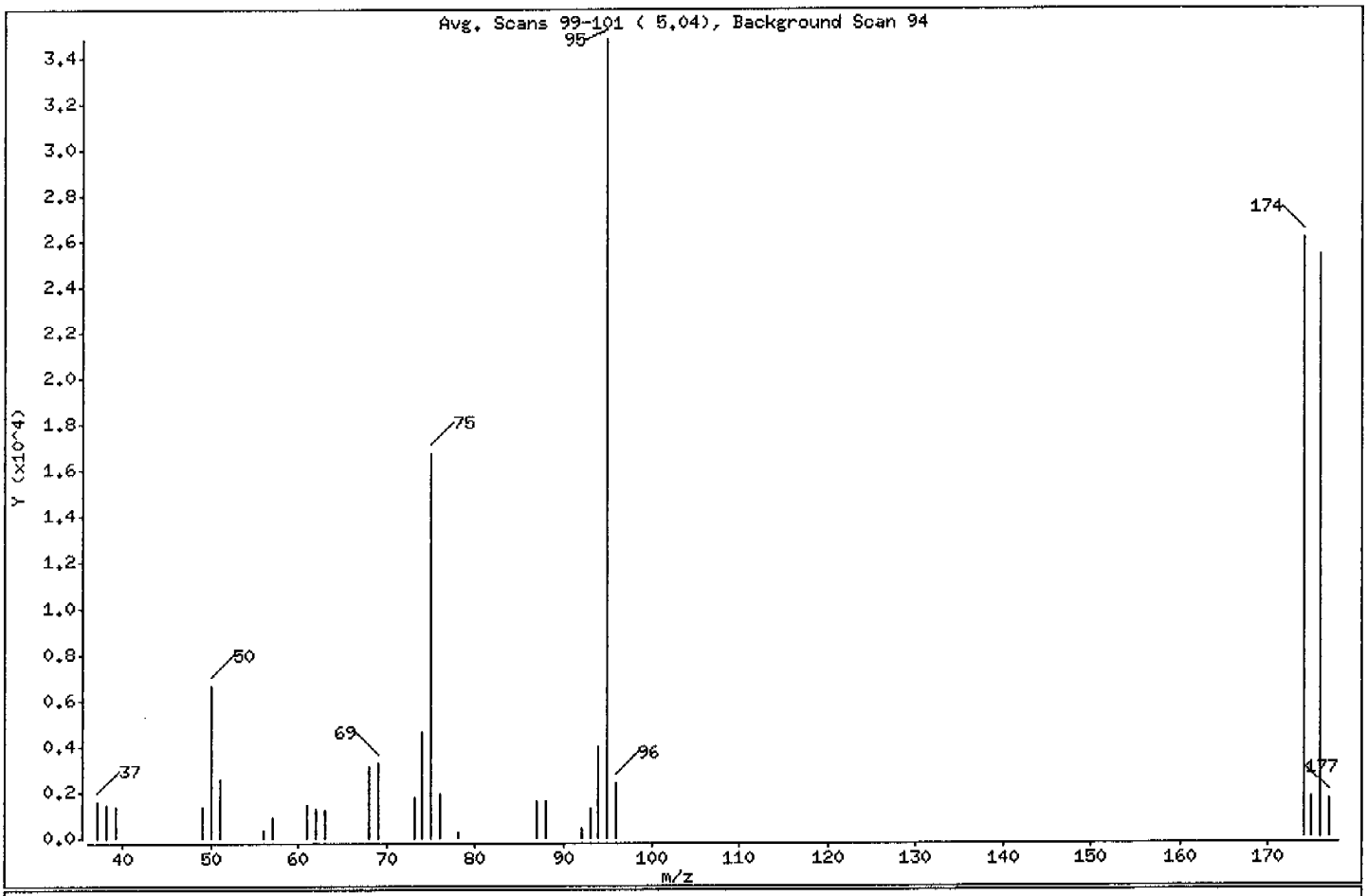
Sample Info: BBBFB240

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.13
75	30.00 - 60.00% of mass 95	48.02
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.03
175	5.00 - 9.00% of mass 174	5.03 (6.71)
176	95.00 - 101.00% of mass 174	72.85 (97.09)
177	5.00 - 9.00% of mass 176	4.90 (6.73)

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/28aug06.b/bb78960.d

Date : 28-AUG-2006 18:20

Client ID:

Instrument: VOAMS10.i

Sample Info: BBBFB240

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: bb78960.d
Spectrum: Avg. Scans 99-101 (5.04), Background Scan 94
Location of Maximum: 95.00
Number of points: 29

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1620	61.00	1444	76.00	1922	96.00	2376
38.00	1458	62.00	1311	78.00	230	174.00	26104
39.00	1393	63.00	1186	87.00	1627	175.00	1751
49.00	1370	68.00	3094	88.00	1575	176.00	25344
50.00	6655	69.00	3296	92.00	386	177.00	1705
51.00	2551	73.00	1725	93.00	1282		
56.00	335	74.00	4678	94.00	4005		
57.00	888	75.00	16704	95.00	34792		

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/28aug06.b/bb78960.d

Date : 28-AUG-2006 18:20

Client ID:

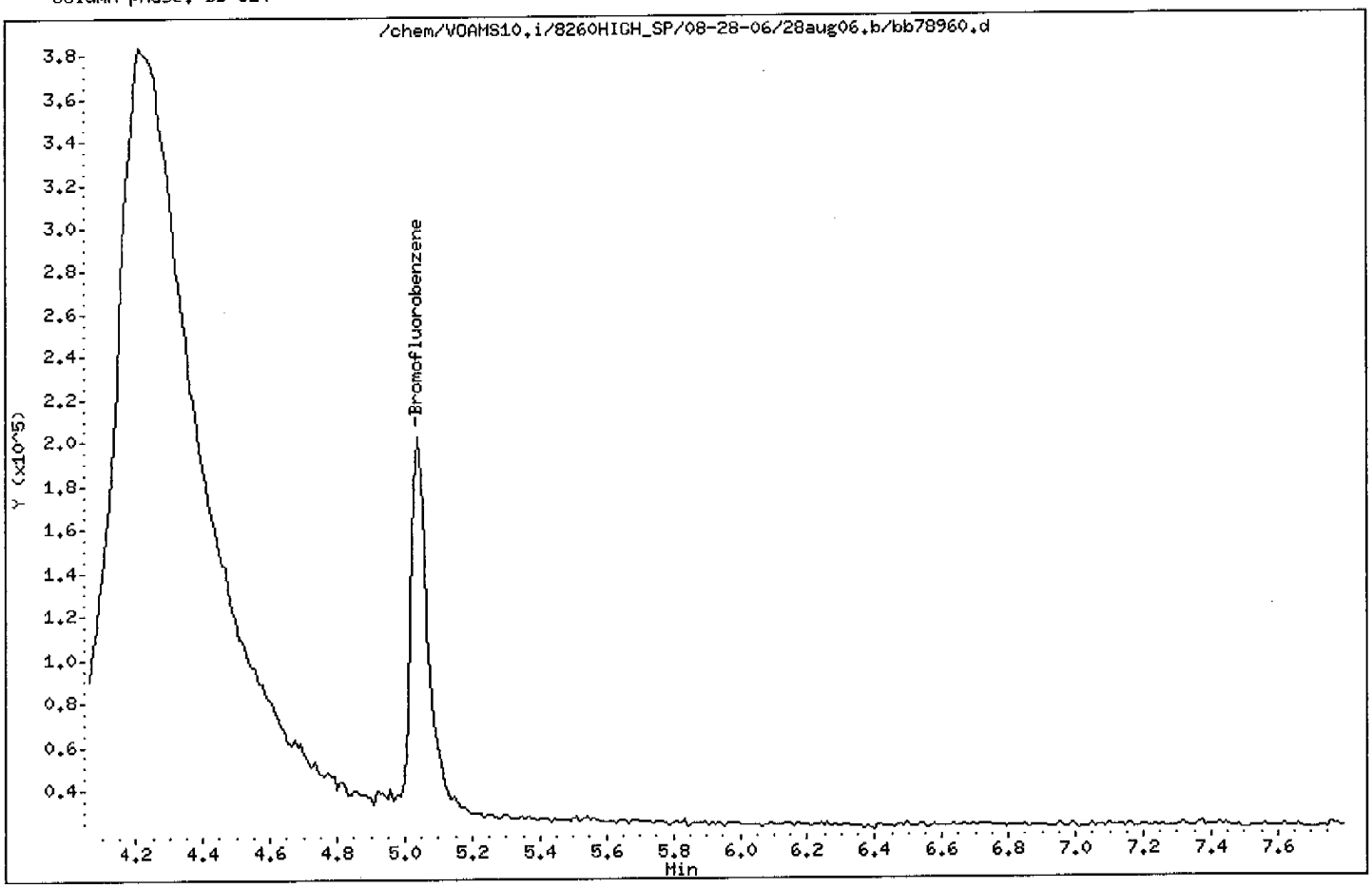
Instrument: VOAMS10.i

Sample Info: BBBFB240

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: BB79154

BFB Injection Date: 09/12/06

Instrument ID: VOAMS10

BFB Injection Time: 0730

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	18.7	
75	30.0 - 60.0% of mass 95	46.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 100.0% of mass 95	80.7	
175	5.0 - 9.0% of mass 174	5.9	(7.3)1
176	95.0 - 101.0% of mass 174	79.9	(99.1)1
177	5.0 - 9.0% of mass 176	5.0	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BBSTD255	BBSTD255	BB79155	09/12/06	0812
02	BBV255	BBV255	BB79158	09/12/06	0957
03	MW01-060911	768745	BB79165	09/12/06	1320
04	MW05-060911	768746	BB79166	09/12/06	1346
05	MW05-060911D	768747	BB79167	09/12/06	1411
06	MW04-060911	768748	BB79168	09/12/06	1436
07	FB-060911	768749	BB79169	09/12/06	1502
08	TB-060911	768750	BB79170	09/12/06	1527
09					
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18					
19					
20					
21					
22					

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79154.d

Date : 12-SEP-2006 07:30

Client ID:

Instrument: VOAMS10.i

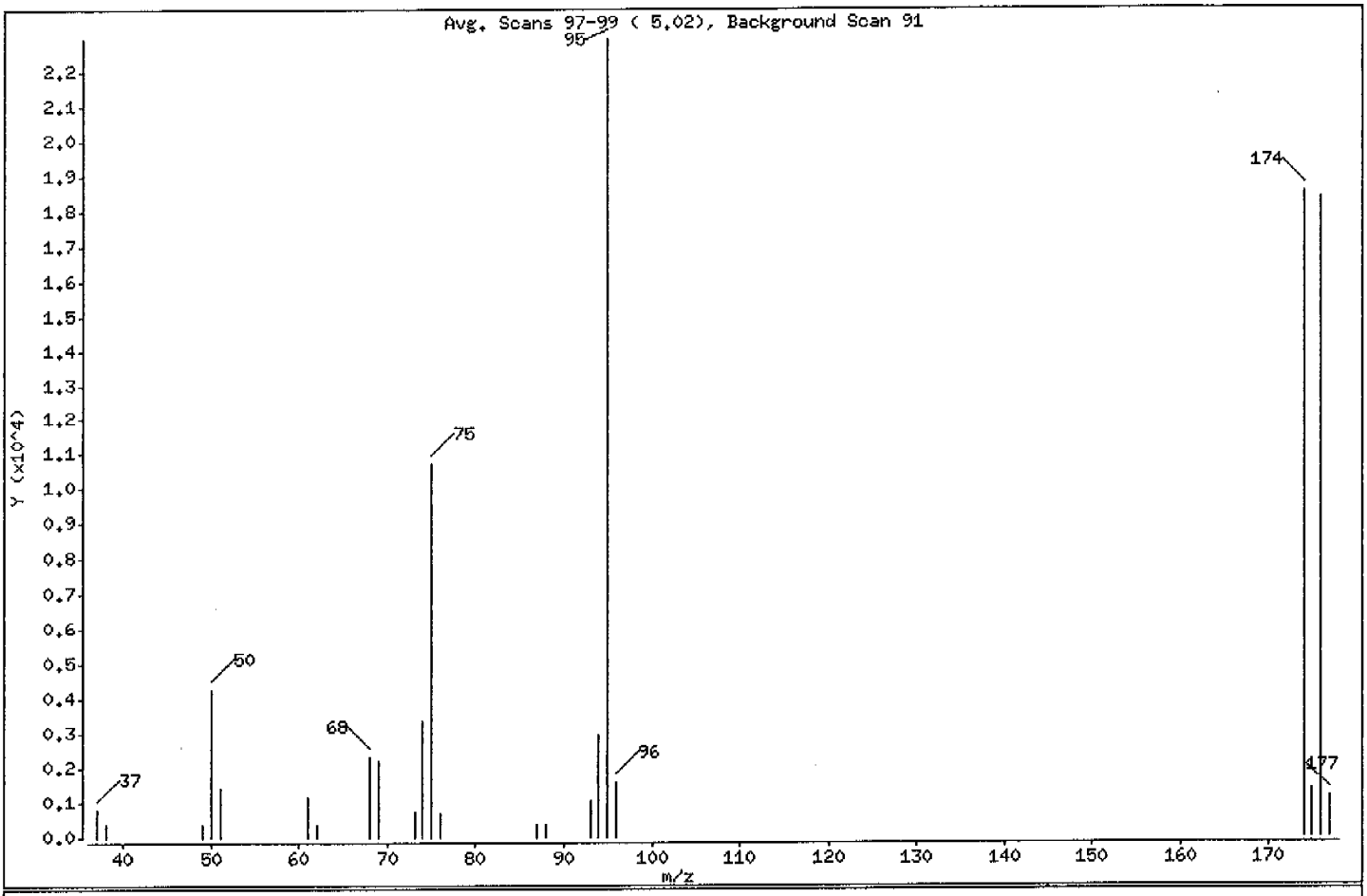
Sample Info: BBBFB255

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.65
75	30.00 - 60.00% of mass 95	46.67
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	80.69
175	5.00 - 9.00% of mass 174	5.87 (7.28)
176	95.00 - 101.00% of mass 174	79.95 (99.08)
177	5.00 - 9.00% of mass 176	4.97 (6.21)

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79154.d

Date : 12-SEP-2006 07:30

Client ID:

Instrument: VOAMS10.i

Sample Info: BBBFB255

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: bb79154.d
Spectrum: Avg. Scans 97-99 (5.02), Background Scan 91
Location of Maximum: 95.00
Number of points: 23

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	804	62.00	389	76.00	703	96.00	1681
38.00	348	68.00	2326	87.00	348	174.00	18512
49.00	384	69.00	2193	88.00	374	175.00	1347
50.00	4280	73.00	760	93.00	1064	176.00	18344
51.00	1441	74.00	3371	94.00	2931	177.00	1140
61.00	1179	75.00	10710	95.00	22944		

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79154.d

Date : 12-SEP-2006 07:30

Client ID:

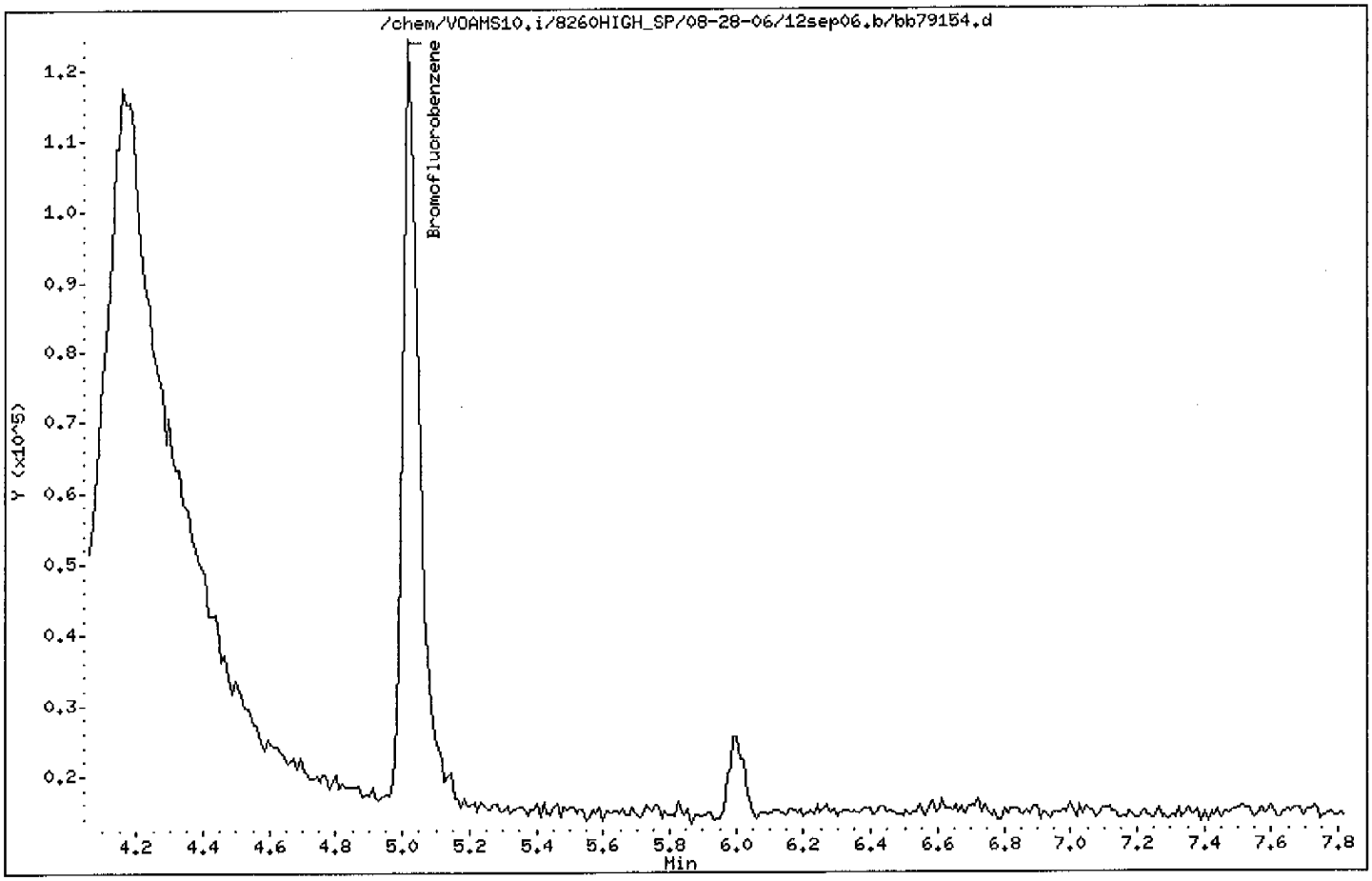
Instrument: VOAMS10.i

Sample Info: BBBFB255

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BBV255

Matrix: WATER

Level: LOW

Lab File ID: BB79158

Instrument ID: VOAMS10

Date Analyzed: 09/12/06

Time Analyzed: 0957

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	MW01-060911	768745	BB79165	1320
02	MW05-060911	768746	BB79166	1346
03	MW05-060911D	768747	BB79167	1411
04	MW04-060911	768748	BB79168	1436
05	FB-060911	768749	BB79169	1502
06	TB-060911	768750	BB79170	1527
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09				
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30				

COMMENTS:

Client ID: **BBV255**
Site:

Lab Sample No: **BBV255**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79158.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **BBV255**
Site:

Lab Sample No: **BBV255**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79158.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
1,1-Dichloropropene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0

Client ID: **BBV255**
Site:

Lab Sample No: **BBV255**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79158.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
1,2,3-Trichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
2-Octanol	ND	10
2-Octanone	ND	5.0
Methyl Acetate	ND	5.0
Ethyl Acrylate	ND	5.0
Butyl Acrylate	ND	5.0
Methyl cyclohexane	ND	5.0
Butyl Methacrylate	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0

Client ID: **BBV255**
Site:

Lab Sample No: **BBV255**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79158.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Ethyl methacrylate	ND	5.0
Ethanol	ND	500
Cyclohexanone	ND	100
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0
1,2,4,5-Tetramethylbenzene	ND	5.0
Propylene Oxide	ND	50
Camphene (total)	ND	20
Camphor	ND	20
Amyl Acetate	ND	10
2-Methylnaphthalene	ND	5.0
1-Chlorohexane	ND	5.0
Chlorotrifluoromethane	ND	5.0
Chlorodifluoromethane	ND	5.0
tert-Amylmethyl Ether	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
Acetaldehyde	ND	10
1,3,5-Trichlorobenzene	ND	5.0
1,2-Dichlorotrifluoroethane	ND	5.0
1-Bromo-2-chloroethane	ND	5.0
4-Chlorobenzotrifluoride	ND	5.0
2-Chloropropene	ND	5.0
tert-Butyl ethyl ether	ND	5.0

Client ID: **BBV255**
Site:

Lab Sample No: **BBV255**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Analyzed: 09/12/06
GC Column: Rtx-624
Instrument ID: VOAMS10.i
Lab File ID: bb79158.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: bb79158.d
Report Date: 13-Sep-2006 13:32

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79158.d
Lab Smp Id: BBV255 Client Smp ID: BBV255
Inj Date : 12-SEP-2006 09:57
Operator : VOAMS 10 Inst ID: VOAMS10.i
Smp Info : BBV255
Misc Info :
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/8260H_05.m
Meth Date : 13-Sep-2006 10:59 pritch Quant Type: ISTD
Cal Date : 29-AUG-2006 00:37 Cal File: bb78970.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

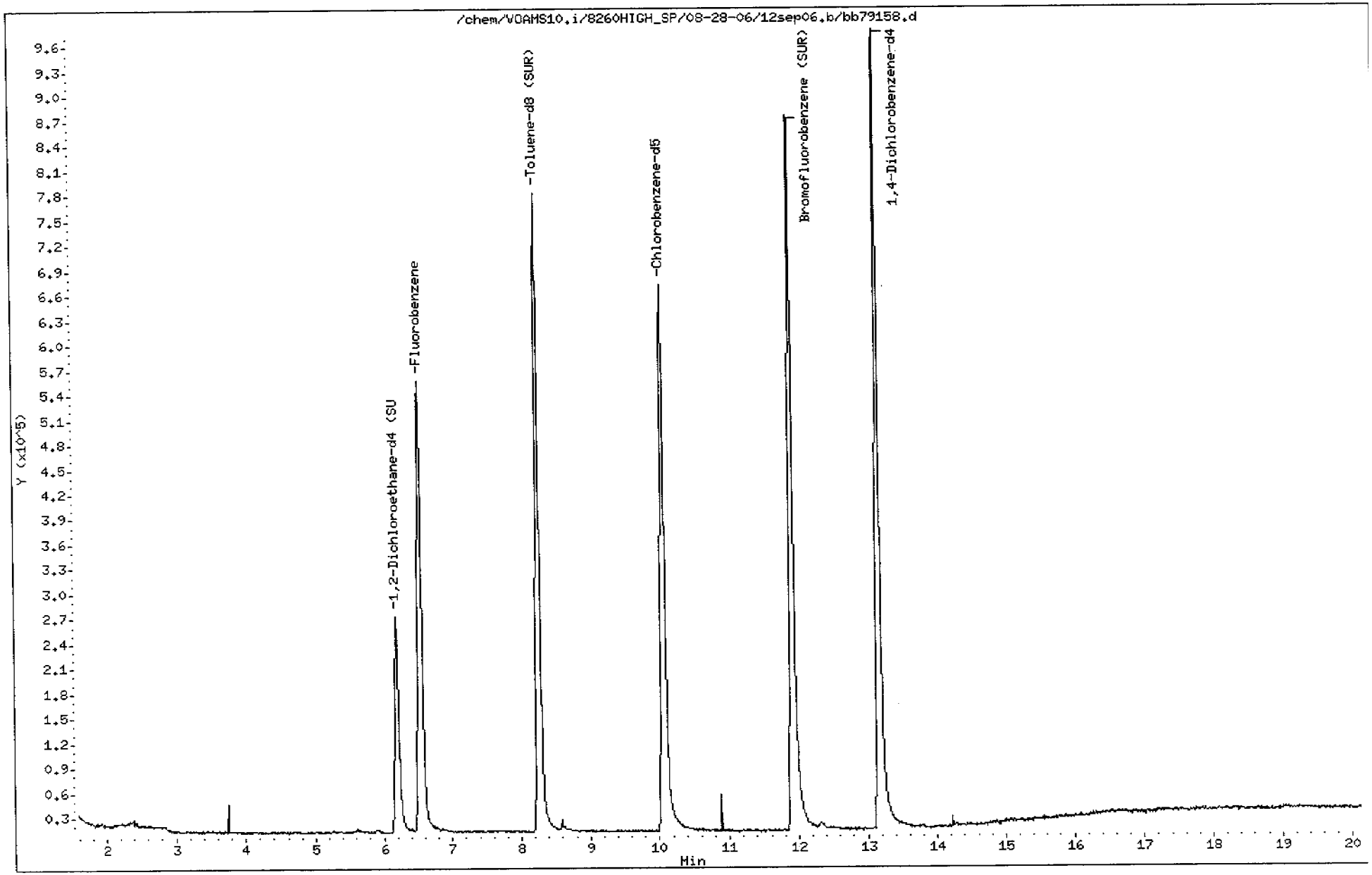
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	6.190	6.205	(0.947)	389470	60.5414	60
* 19 Fluorobenzene	96	6.535	6.540	(1.000)	1132008	50.0000	
$ 37 Toluene-d8 (SUR)	98	8.249	8.254	(0.820)	1022759	56.0336	56
* 32 Chlorobenzene-d5	117	10.062	10.076	(1.000)	956165	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	11.924	11.928	(0.906)	615908	53.2721	53
* 91 1,4-Dichlorobenzene-d4	152	13.165	13.170	(1.000)	589485	50.0000	

Data File: /chem/VOAMS10.i/8260HIGH_SP/08-28-06/12sep06.b/bb79158.d
Date : 12-SEP-2006 09:57
Client ID: BBV255
Sample Info: BBV255
Purge Volume: 5.0
Column phase: Rtx-624

Instrument: VOAMS10.i
Operator: VOAMS 10
Column diameter: 0.53



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W881

Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

LAB FILE ID: RRF5: BB78966 RRF20: BB78967 RRF50: BB78968
RRF100: BB78969 RRF200: BB78970

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.291	0.266	0.264	0.256	0.254
Bromomethane	0.234	0.221	0.207	0.216	0.213
Vinyl Chloride	0.238	0.271	0.254	0.248	0.267
Chloroethane	0.154	0.128	0.103	0.135	0.111
Methylene Chloride	0.235	0.265	0.269	0.242	0.244
Acetone	0.042	0.042	0.043	0.042	0.042
Carbon Disulfide	0.730	0.747	0.716	0.663	0.739
Trichlorofluoromethane	0.518	0.650	0.586	0.603	0.710
1,1-Dichloroethene	0.241	0.264	0.248	0.221	0.237
1,1-Dichloroethane	0.406	0.519	0.494	0.450	0.440
trans-1,2-Dichloroethene	0.257	0.303	0.292	0.261	0.270
cis-1,2-Dichloroethene	0.258	0.308	0.305	0.286	0.285
Chloroform	0.484	0.630	0.646	0.572	0.606
1,2-Dichloroethane	0.259	0.342	0.359	0.324	0.251
2-Butanone	0.025	0.022	0.022	0.022	0.022
1,1,1-Trichloroethane	0.419	0.541	0.525	0.488	0.523
Carbon Tetrachloride	0.418	0.520	0.494	0.468	0.522
Bromodichloromethane	0.506	0.615	0.633	0.586	0.598
1,2-Dichloropropane	0.228	0.314	0.319	0.290	0.299
cis-1,3-Dichloropropene	0.415	0.500	0.513	0.472	0.463
Trichloroethene	0.343	0.379	0.378	0.341	0.354
Dibromochloromethane	0.560	0.723	0.715	0.675	0.711
1,1,2-Trichloroethane	0.288	0.348	0.341	0.318	0.335
Benzene	0.751	0.880	0.862	0.768	0.735
trans-1,3-Dichloropropene	0.419	0.552	0.557	0.526	0.552
2-Chloroethyl Vinyl Ether	0.136	0.155	0.154	0.161	0.160
Bromoform	0.453	0.555	0.550	0.528	0.569
4-Methyl-2-Pentanone	0.240	0.240	0.252	0.248	0.244
2-Hexanone	0.085	0.143	0.158	0.176	0.188
Tetrachloroethene	0.504	0.620	0.585	0.531	0.588
1,1,2,2-Tetrachloroethane	1.119	1.037	0.981	0.950	0.954
Toluene	0.998	1.284	1.213	1.191	1.072
Chlorobenzene	0.758	0.992	0.974	0.880	0.881
Ethylbenzene	0.379	0.490	0.465	0.416	0.417
Styrene	0.721	1.000	0.984	0.865	0.860
Xylene (Total)	0.448	0.626	0.586	0.512	0.525
Ethyl Ether	0.184	0.178	0.188	0.179	0.167
Acrolein	0.005	0.003	0.006	0.003	0.004
Freon TF	0.466	0.560	0.527	0.489	0.596

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

LAB FILE ID: RRF5: BB78966 RRF20: BB78967 RRF50: BB78968
RRF100: BB78969 RRF200: BB78970

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile	0.014	0.014	0.014	0.013	0.013
TBA	0.018	0.020	0.020	0.018	0.020
Acrylonitrile	0.051	0.047	0.047	0.050	0.049
MTBE	0.667	0.613	0.634	0.627	0.628
Hexane					
DIPE	0.992	0.958	0.967	0.946	0.910
Ethyl Acetate	0.026	0.024	0.026	0.026	0.026
Vinyl Acetate	0.667	0.670	0.625	0.636	0.604
Tetrahydrofuran					
Cyclohexane	0.359	0.405	0.378	0.351	0.398
Isobutanol					
Isopropyl Acetate	0.504	0.479	0.293	0.496	0.269
n-Heptane					
n-Butanol					
Propyl Acetate	0.402	0.386	0.396	0.379	0.355
Butyl Acetate	0.621	0.584	0.611	0.588	0.582
1,2-Dibromoethane	0.440	0.572	0.566	0.527	0.564
1,3-Dichlorobenzene	1.122	1.502	1.294	1.255	1.335
1,4-Dichlorobenzene	1.325	1.710	1.738	1.536	1.538
1,2-Dichlorobenzene	1.123	1.475	1.484	1.346	1.340
Naphthalene	1.466	1.975	1.935	1.826	1.876
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
1,1-Dichloropropene	0.335	0.442	0.420	0.387	0.407
Hexachlorobutadiene	0.850	1.009	0.973	0.900	0.992
1,4-Dioxane	0.002	0.003	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.450	0.556	0.548	0.496	0.496
1,2,3-Trichlorobenzene	0.903	1.153	1.161	1.073	1.095
Dichlorodifluoromethane	0.350	0.445	0.393	0.389	0.482
1,2,3-Trichloropropane	0.240	0.283	0.275	0.260	0.273
1,2,4-Trimethylbenzene	1.638	2.069	2.032	1.822	1.908
1,3,5-Trimethylbenzene	1.644	2.116	2.068	1.852	1.944
Isopropylbenzene	1.315	1.731	1.649	1.459	1.520
1,3-Dichloropropane	0.513	0.617	0.616	0.575	0.599
2,2-Dichloropropane	0.379	0.469	0.454	0.408	0.437
2-Chlorotoluene	1.499	2.089	2.070	1.890	1.958
4-Chlorotoluene	1.816	2.398	2.365	2.122	2.197

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

LAB FILE ID: RRF5: BB78966 RRF20: BB78967 RRF50: BB78968
RRF100: BB78969 RRF200: BB78970

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Bromobenzene	0.746	0.994	0.987	0.922	0.952
1,2,4-Trichlorobenzene	0.928	1.294	1.290	1.173	1.190
Bromochloromethane	0.166	0.205	0.206	0.190	0.190
Dibromomethane	0.242	0.307	0.308	0.280	0.279
n-Butylbenzene	2.086	2.639	2.529	2.253	2.370
n-Propylbenzene	2.668	3.472	3.311	2.945	3.163
p-Isopropyltoluene	2.059	2.643	2.417	2.228	2.382
sec-Butylbenzene	2.379	3.071	2.933	2.673	2.890
tert-Butylbenzene	1.883	2.391	2.268	2.065	2.214
Allyl chloride					
Benzyl chloride	1.407	1.496	1.531	1.529	1.502
Epichlorohydrin	0.022	0.025	0.027	0.026	0.026
Isoprene	0.221	0.262	0.247	0.228	0.253
Methyl methacrylate	0.197	0.198	0.194	0.190	0.187
n-Pentane	0.042	0.052	0.046	0.041	0.054
Allyl alcohol					
2-Octanol					
2-Octanone					
Methyl Acetate	0.258	0.212	0.221	0.222	0.228
Ethyl Acrylate					
Butyl Acrylate					
Methyl cyclohexane	0.405	0.476	0.446	0.416	0.484
Butyl Methacrylate					
1,2-Dibromo-3-chloropropane	0.222	0.256	0.245	0.244	0.267
Ethyl methacrylate					
Ethanol					
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

LAB FILE ID: RRF5: BB78966 RRF20: BB78967 RRF50: BB78968
RRF100: BB78969 RRF200: BB78970

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether	0.138	0.125	0.121	0.110	0.103
1,2-Dichloroethane-d4 (SUR)	0.294	0.294	0.290	0.272	0.272
Toluene-d8 (SUR)	1.006	1.018	0.944	0.880	0.924
Bromofluorobenzene (SUR)	0.986	0.974	0.943	0.961	1.040

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.26596074	5.6**
Bromomethane	AVRG	0.21849255	4.8*
Vinyl Chloride	AVRG	0.25571011	5.4*
Chloroethane	AVRG	0.12632651	16.1*
Methylene Chloride	AVRG	0.25114187	6.0*
Acetone	AVRG	0.04221146	1.1*
Carbon Disulfide	AVRG	0.71906708	4.6*
Trichlorofluoromethane	AVRG	0.61356723	11.7*
1,1-Dichloroethene	AVRG	0.24242942	6.5*
1,1-Dichloroethane	AVRG	0.46186574	9.8**
trans-1,2-Dichloroethene	AVRG	0.27688049	7.2*
cis-1,2-Dichloroethene	AVRG	0.28843986	6.9*
Chloroform	AVRG	0.58771809	10.9*
1,2-Dichloroethane	AVRG	0.30679997	16.0*
2-Butanone	AVRG	0.02253582	5.4*
1,1,1-Trichloroethane	AVRG	0.49950876	9.8*
Carbon Tetrachloride	AVRG	0.48451083	8.9*
Bromodichloromethane	AVRG	0.58763921	8.3*
1,2-Dichloropropane	AVRG	0.29008451	12.6*
cis-1,3-Dichloropropene	AVRG	0.47262319	8.0*
Trichloroethene	AVRG	0.35920037	5.2*
Dibromochloromethane	AVRG	0.67690322	10.0*
1,1,2-Trichloroethane	AVRG	0.32624125	7.3*
Benzene	AVRG	0.79929774	8.4*
trans-1,3-Dichloropropene	AVRG	0.52134395	11.2*
2-Chloroethyl Vinyl Ether	AVRG	0.15353912	6.5*
Bromoform	AVRG	0.53100949	8.7**
4-Methyl-2-Pentanone	AVRG	0.24501882	2.2*
2-Hexanone	AVRG	0.15020887	26.9*
Tetrachloroethene	AVRG	0.56579570	8.3*
1,1,2,2-Tetrachloroethane	AVRG	1.00831181	7.0**
Toluene	AVRG	1.15158780	10.0*
Chlorobenzene	AVRG	0.89713642	10.4**
Ethylbenzene	AVRG	0.43363443	10.2*
Styrene	AVRG	0.88575453	12.7*
Xylene (Total)	AVRG	0.53945846	12.7*
Ethyl Ether	AVRG	0.17946880	4.5*
Acrolein	AVRG	0.00427756	27.5*
Freon TF	AVRG	0.52773258	9.9*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.01359820	1.6*
TBA	AVRG	0.01911028	5.2*
Acrylonitrile	AVRG	0.04873169	3.1*
MTBE	AVRG	0.63389346	3.2*
Hexane	AVRG		
DIPE	AVRG	0.95471132	3.1*
Ethyl Acetate	AVRG	0.02590469	3.4*
Vinyl Acetate	AVRG	0.64028835	4.4*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.37843562	6.2*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.40807641	28.6*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.38362722	4.7*
Butyl Acetate	AVRG	0.59710395	3.0*
1,2-Dibromoethane	AVRG	0.53393823	10.3*
1,3-Dichlorobenzene	AVRG	1.30154091	10.6*
1,4-Dichlorobenzene	AVRG	1.56963997	10.6*
1,2-Dichlorobenzene	AVRG	1.35369378	10.8*
Naphthalene	AVRG	1.81548017	11.2*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
1,1-Dichloropropene	AVRG	0.39811903	10.2*
Hexachlorobutadiene	AVRG	0.94499878	7.1*
1,4-Dioxane	AVRG	0.00289796	7.7*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.50929581	8.5*
1,2,3-Trichlorobenzene	AVRG	1.07702777	9.7*
Dichlorodifluoromethane	AVRG	0.41166253	12.6*
1,2,3-Trichloropropane	AVRG	0.26640274	6.3*
1,2,4-Trimethylbenzene	AVRG	1.89407685	9.2*
1,3,5-Trimethylbenzene	AVRG	1.92473145	9.8*
Isopropylbenzene	AVRG	1.53491974	10.6*
1,3-Dichloropropane	AVRG	0.58416365	7.4*
2,2-Dichloropropane	AVRG	0.42952847	8.4*
2-Chlorotoluene	AVRG	1.90100522	12.6*
4-Chlorotoluene	AVRG	2.17979150	10.7*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Bromobenzene	AVRG	0.92059440	11.0*
1,2,4-Trichlorobenzene	AVRG	1.17493022	12.7*
Bromochloromethane	AVRG	0.19160678	8.4*
Dibromomethane	AVRG	0.28319878	9.6*
n-Butylbenzene	AVRG	2.37535861	9.2*
n-Propylbenzene	AVRG	3.11190309	10.1*
p-Isopropyltoluene	AVRG	2.34589388	9.3*
sec-Butylbenzene	AVRG	2.78925117	9.7*
tert-Butylbenzene	AVRG	2.16434144	9.0*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	1.49303408	3.4*
Epichlorohydrin	AVRG	0.02520240	7.9*
Isoprene	AVRG	0.24201887	7.1*
Methyl methacrylate	AVRG	0.19333463	2.3*
n-Pentane	AVRG	0.04714620	12.2*
Allyl alcohol	AVRG		
2-Octanol	AVRG		
2-Octanone	AVRG		
Methyl Acetate	AVRG	0.22848438	7.6*
Ethyl Acrylate	AVRG		
Butyl Acrylate	AVRG		
Methyl cyclohexane	AVRG	0.44576047	7.8*
Butyl Methacrylate	AVRG		
1,2-Dibromo-3-chloropropane	AVRG	0.24705284	6.7*
Ethyl methacrylate	AVRG		
Ethanol	AVRG		
Cyclohexanone	AVRG		
p-Ethyltoluene	AVRG		
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
Propylene Oxide	AVRG		
Camphene (total)	AVRG		
Camphor	AVRG		
Amyl Acetate	AVRG		
2-Methylnaphthalene	AVRG		
1-Chlorohexane	AVRG		
Chlorotrifluoromethane	AVRG		
Chlorodifluoromethane	AVRG		
tert-Amylmethyl Ether	AVRG		

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Calibration Time(s): 2256 0037

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Iodomethane	AVRG		
trans-1,4-Dichloro-2-butene	AVRG		
Acetaldehyde	AVRG		
1,3,5-Trichlorobenzene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG		
1-Bromo-2-chloroethane	AVRG		
4-Chlorobenzotrifluoride	AVRG		
2-Chloropropene	AVRG		
tert-Butyl ethyl ether	AVRG	0.11955425	11.3**
1,2-Dichloroethane-d4 (SUR)	AVRG	0.28414620	4.1*
Toluene-d8 (SUR)	AVRG	0.95447000	6.0*
Bromofluorobenzene (SUR)	AVRG	0.98064844	3.7*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date: 09/12/06 Time: 0812

Lab File ID: BB79155 Init. Calib. Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Init. Calib. Times: 2256 0037

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.266	0.209	0.1	21.4	50.0
Bromomethane	0.218	0.156		28.4	50.0
Vinyl Chloride	0.256	0.212		17.2	20.0
Chloroethane	0.126	0.087		31.0	50.0
Methylene Chloride	0.251	0.244		2.8	50.0
Acetone	0.042	0.037		11.9	50.0
Carbon Disulfide	0.719	0.653		9.2	50.0
Trichlorofluoromethane	0.613	0.634		-3.4	50.0
1,1-Dichloroethene	0.242	0.218		9.9	20.0
1,1-Dichloroethane	0.462	0.450	0.1	2.6	50.0
trans-1,2-Dichloroethene	0.277	0.272		1.8	50.0
cis-1,2-Dichloroethene	0.288	0.290		-0.7	50.0
Chloroform	0.588	0.613		-4.2	20.0
1,2-Dichloroethane	0.307	0.342		-11.4	50.0
2-Butanone	0.023	0.027		-17.4	50.0
1,1,1-Trichloroethane	0.499	0.568		-13.8	50.0
Carbon Tetrachloride	0.484	0.569		-17.6	50.0
Bromodichloromethane	0.588	0.626		-6.5	50.0
1,2-Dichloropropane	0.290	0.279		3.8	20.0
cis-1,3-Dichloropropene	0.473	0.478		-1.0	50.0
Trichloroethene	0.359	0.376		-4.7	50.0
Dibromochloromethane	0.677	0.730		-7.8	50.0
1,1,2-Trichloroethane	0.326	0.325		0.3	50.0
Benzene	0.799	0.770		3.6	50.0
trans-1,3-Dichloropropene	0.521	0.548		-5.2	50.0
2-Chloroethyl Vinyl Ether	0.153	0.120		21.6	50.0
Bromoform	0.531	0.572	0.1	-7.7	50.0
4-Methyl-2-Pentanone	0.245	0.194		20.8	50.0
2-Hexanone	0.150	0.126		16.0	50.0
Tetrachloroethene	0.566	0.638		-12.7	50.0
1,1,2,2-Tetrachloroethane	1.008	0.928	0.3	7.9	50.0
Toluene	1.152	1.174		-1.9	20.0
Chlorobenzene	0.897	0.916	0.3	-2.1	50.0
Ethylbenzene	0.433	0.449		-3.7	20.0
Styrene	0.886	0.921		-4.0	50.0
Xylene (Total)	0.539	0.552		-2.4	50.0
Ethyl Ether	0.179	0.154		14.0	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date: 09/12/06 Time: 0812

Lab File ID: BB79155 Init. Calib. Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Init. Calib. Times: 2256 0037

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.004	0.003		25.0	50.0
Freon TF	0.528	0.545		-3.2	50.0
Isopropanol					50.0
Acetonitrile	0.014	0.011		21.4	50.0
TBA	0.019	0.017		10.5	50.0
Acrylonitrile	0.049	0.038		22.4	50.0
MTBE	0.634	0.574		9.5	50.0
Hexane					50.0
DIPE	0.955	0.844		11.6	50.0
Ethyl Acetate	0.026	0.023		11.5	50.0
Vinyl Acetate	0.640	0.505		21.1	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.378	0.377		0.3	50.0
Isobutanol					50.0
Isopropyl Acetate	0.408	0.412		-1.0	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.384	0.317		17.4	50.0
Butyl Acetate	0.597	0.477		20.1	50.0
1,2-Dibromoethane	0.534	0.538		-0.7	50.0
1,3-Dichlorobenzene	1.302	1.395		-7.1	50.0
1,4-Dichlorobenzene	1.569	1.590		-1.3	50.0
1,2-Dichlorobenzene	1.354	1.420		-4.9	50.0
Naphthalene	1.816	1.659		8.6	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.398	0.421		-5.8	50.0
Hexachlorobutadiene	0.945	1.093		-15.7	50.0
1,4-Dioxane	0.003	0.002		33.3	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.509	0.556		-9.2	50.0
1,2,3-Trichlorobenzene	1.077	1.093		-1.5	50.0
Dichlorodifluoromethane	0.412	0.418		-1.4	50.0
1,2,3-Trichloropropane	0.266	0.265		0.4	50.0
1,2,4-Trimethylbenzene	1.894	1.892		0.1	50.0
1,3,5-Trimethylbenzene	1.925	1.946		-1.1	50.0
Isopropylbenzene	1.535	1.617		-5.3	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date: 09/12/06 Time: 0812

Lab File ID: BB79155 Init. Calib. Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Init. Calib. Times: 2256 0037

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3-Dichloropropane	0.584	0.577		1.2	50.0
2,2-Dichloropropane	0.429	0.473		-10.2	50.0
2-Chlorotoluene	1.901	2.045		-7.6	50.0
4-Chlorotoluene	2.180	2.189		-0.4	50.0
Bromobenzene	0.920	0.952		-3.5	50.0
1,2,4-Trichlorobenzene	1.175	1.235		-5.1	50.0
Bromochloromethane	0.191	0.194		-1.6	50.0
Dibromomethane	0.283	0.282		0.4	50.0
n-Butylbenzene	2.375	2.472		-4.1	50.0
n-Propylbenzene	3.112	3.179		-2.2	50.0
p-Isopropyltoluene	2.346	2.490		-6.1	50.0
sec-Butylbenzene	2.789	2.856		-2.4	50.0
tert-Butylbenzene	2.164	2.256		-4.2	50.0
Allyl chloride					50.0
Benzyl chloride	1.493	1.354		9.3	50.0
Epichlorohydrin	0.025	0.020		20.0	50.0
Isoprene	0.242	0.241		0.4	50.0
Methyl methacrylate	0.193	0.157		18.6	50.0
n-Pentane	0.047	0.049		-4.2	50.0
Allyl alcohol					50.0
2-Octanol					50.0
2-Octanone					50.0
Methyl Acetate	0.228	0.202		11.4	50.0
Ethyl Acrylate					50.0
Butyl Acrylate					50.0
Methyl cyclohexane	0.445	0.452		-1.6	50.0
Butyl Methacrylate					50.0
1,2-Dibromo-3-chloropropane	0.247	0.224		9.3	50.0
Ethyl methacrylate					50.0
Ethanol					50.0
Cyclohexanone					50.0
p-Ethyltoluene					50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Propylene Oxide					50.0
Camphene (total)					50.0
Camphor					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date: 09/12/06 Time: 0812

Lab File ID: BB79155 Init. Calib. Date(s): 08/28/06 08/29/06

Heated Purge: (Y/N) N Init. Calib. Times: 2256 0037

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Amyl Acetate					50.0
2-Methylnaphthalene					50.0
1-Chlorohexane					50.0
Chlorotrifluoromethane					50.0
Chlorodifluoromethane					50.0
tert-Amylmethyl Ether					50.0
Iodomethane					50.0
trans-1,4-Dichloro-2-butene					50.0
Acetaldehyde					50.0
1,3,5-Trichlorobenzene					50.0
1,2-Dichlorotrifluoroethane					50.0
1-Bromo-2-chloroethane					50.0
4-Chlorobenzotrifluoride					50.0
2-Chloropropene					50.0
tert-Butyl ethyl ether	0.119	0.099	0.01	16.8	50.0
1,2-Dichloroethane-d4 (SUR)	0.284	0.308		-8.4	50.0
Toluene-d8 (SUR)	0.954	1.036		-8.6	50.0
Bromofluorobenzene (SUR)	0.981	0.988		-0.7	50.0

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: WATER Level: LOW Lab Job No: W881

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	BBV255	121	112	106		0
02	768745	121	109	102		0
03	768746	127	109	106		0
04	768747	122	106	98		0
05	768748	132	107	103		0
06	768749	129	107	102		0
07	768750	128	104	104		0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(62-142)
S2	= Toluene-d8	(61-136)
S3	= Bromofluorobenzene	(63-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 767852

MS Sample from Lab Job No: W758

QA Batch: 3249

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.00	55	110	71-128
Trichloroethene	50	46	100	108	66-127
Benzene	50	0.00	53	106	74-127
Toluene	50	0.84	54	106	76-127
Chlorobenzene	50	4.8	60	110	75-129

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	56	112	2	40	71-128
Trichloroethene	50	100	108	0	40	66-127
Benzene	50	54	108	2	40	74-127
Toluene	50	55	108	2	40	76-127
Chlorobenzene	50	61	112	2	40	75-129

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): BB79155 Date Analyzed: 09/12/06

Instrument ID: VOAMS10 Time Analyzed: 0812

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1549044	6.54	1232264	10.08	747959	13.17
	UPPER LIMIT	3098088	7.04	2464528	10.58	1495918	13.67
	LOWER LIMIT	774522	6.04	616132	9.58	373980	12.67
	LABORATORY SAMPLE NO.						
01	BBV255	1132008	6.54	956165	10.06	589485	13.17
02	768745	1125780	6.56	916128	10.07	549792	13.18
03	768746	1061685	6.55	876522	10.08	523189	13.17
04	768747	1062852	6.55	875849	10.08	548444	13.16
05	768748	1024192	6.55	849075	10.08	521370	13.17
06	768749	1027897	6.55	852282	10.08	513242	13.17
07	768750	1051954	6.55	872200	10.08	518065	13.17
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS Forms and Data (Semivolatiles)

Results Summary and Chromatograms

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32028.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32028.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: **MW04-060911**
Site: Sun Chemical SI

Lab Sample No: **768748**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32028.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown	10.71	260	
2.				
3.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION	260

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32028.d
Report Date: 17-Sep-2006 17:17

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

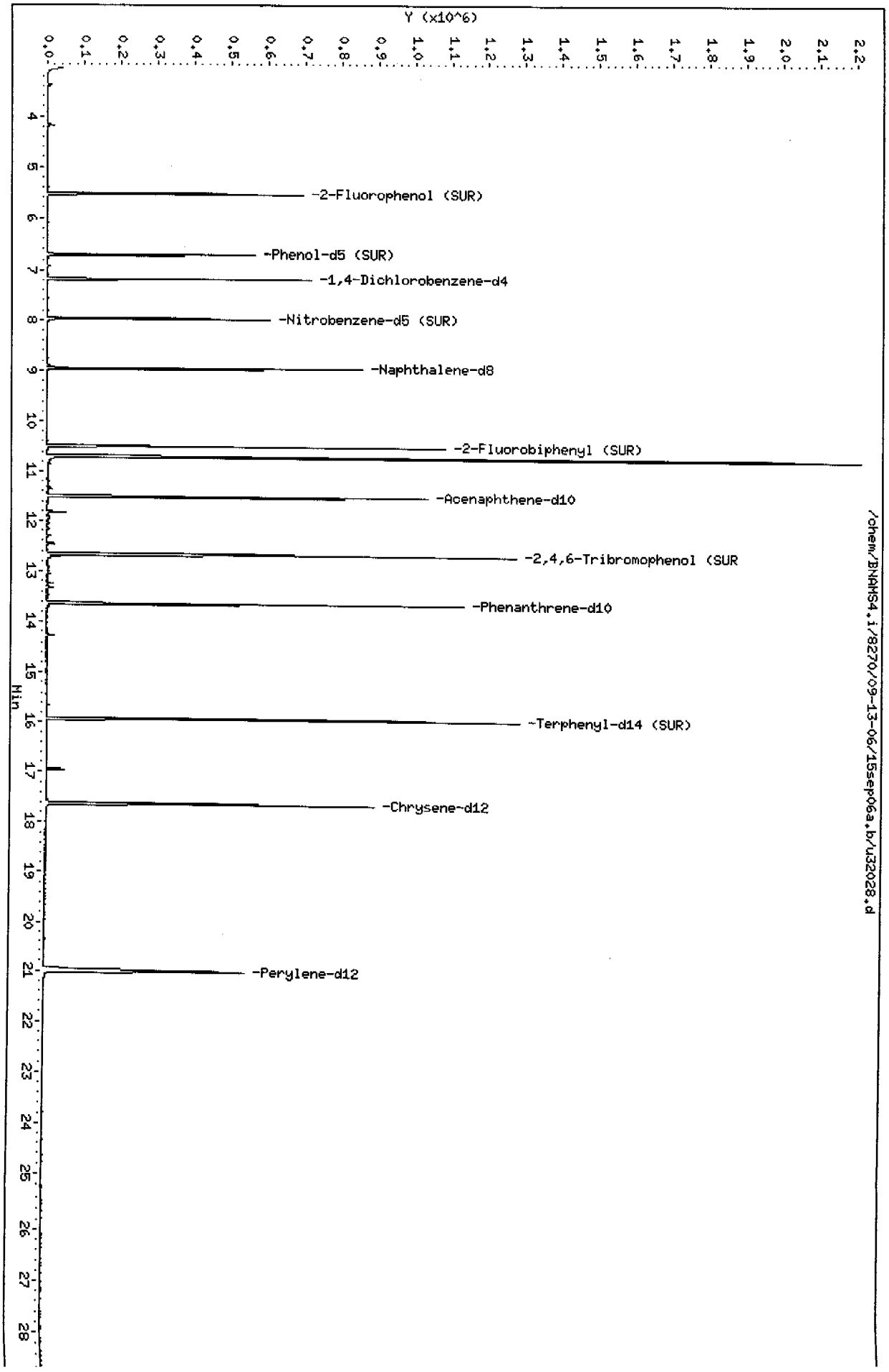
Data file : /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32028.d
Lab Smp Id: 768748 Client Smp ID: MW04-060911
Inj Date : 16-SEP-2006 07:50
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 768748;3232330
Misc Info : W881;WB255A;QA4195
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/8270C6-1.m
Meth Date : 17-Sep-2006 17:09 asfawa Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	990.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	5.526	5.536	(0.770)	210959	41.3152	83
$ 17 Phenol-d5 (SUR)	99	6.711	6.723	(0.935)	215409	31.0901	63
* 79 1,4-Dichlorobenzene-d4	152	7.176	7.186	(1.000)	127159	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.969	7.989	(0.890)	269462	43.6111	88
* 80 Naphthalene-d8	136	8.958	8.970	(1.000)	458875	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.499	10.513	(0.912)	413832	41.2154	83
* 82 Acenaphthene-d10	164	11.507	11.518	(1.000)	309129	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.663	12.677	(1.100)	203269	85.5639	170
* 83 Phenanthrene-d10	188	13.640	13.655	(1.000)	565951	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.930	15.938	(0.904)	585775	36.9569	75
* 81 Chrysene-d12	240	17.626	17.647	(1.000)	721021	40.0000	
* 84 Perylene-d12	264	21.007	21.030	(1.000)	702536	40.0000	


Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32028.d
Date : 16-SEP-2006 07:50
Client ID: MW04-060911
Sample Info: 768748;3232330
Purge Volume: 990.0
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32028.d

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32028.d

Date : 16-SEP-2006 07:50

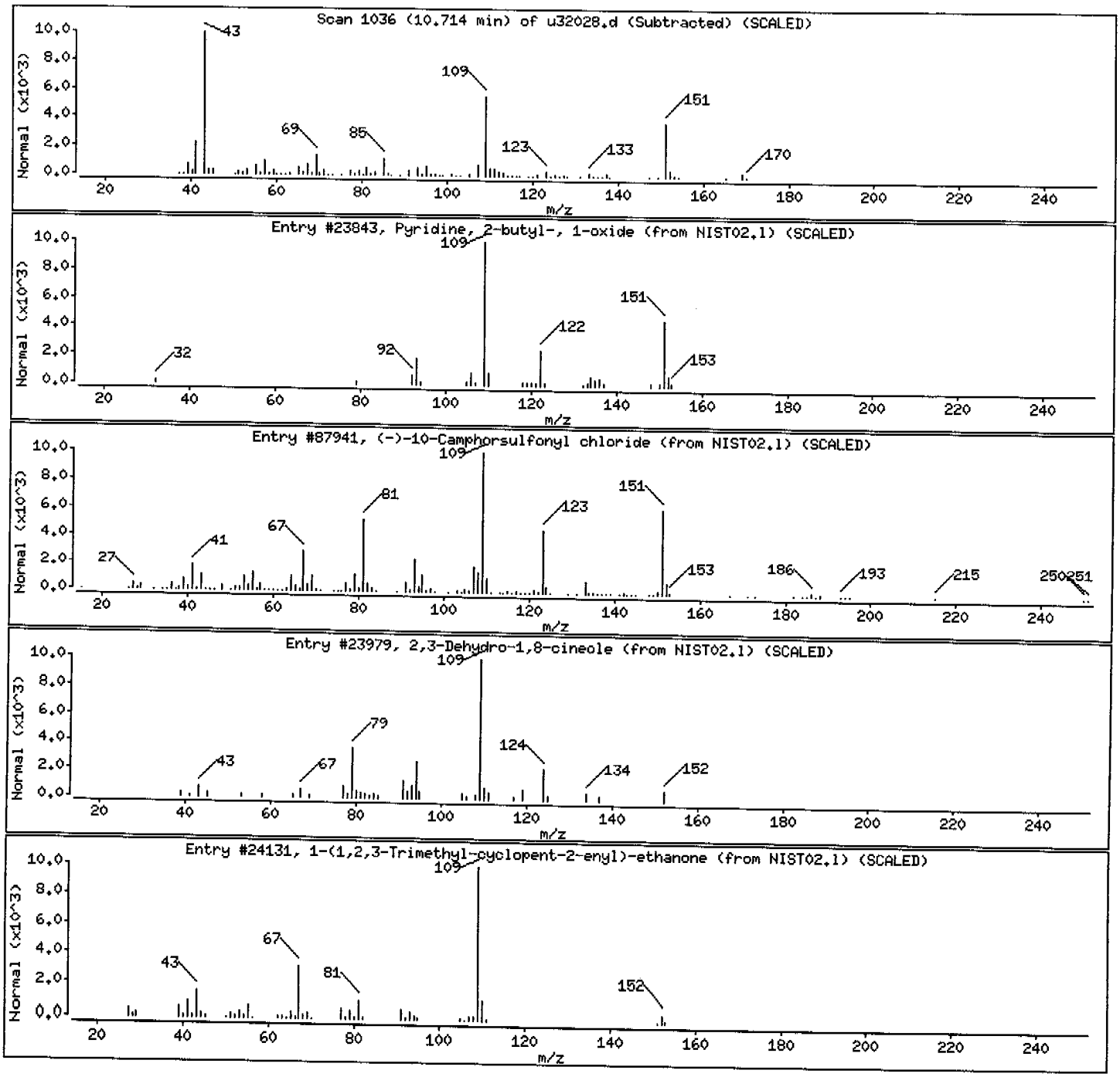
Client ID: MW04-060911 Instrument: BNAMS4.i

Sample Info: 768748;3232330

Purge Volume: 990.0 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pyridine, 2-butyl-, 1-oxide	31396-32-4	NIST02.l	23843	53	C9H13NO	151
(-)-10-Camphorsulfonyl chloride	39262-22-1	NIST02.l	87941	42	C10H15ClO3S	250
2,3-Dehydro-1,8-cineole	92760-25-3	NIST02.l	23979	37	C10H16O	152
1-(1,2,3-Trimethyl-cyclopent-2-enyl)-eth	70987-81-4	NIST02.l	24131	35	C10H16O	152



Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32029.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.1
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	21
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.1
3-Nitroaniline	ND	21
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.1
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	21
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32029.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	21
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: **FB-060911**
Site: Sun Chemical SI

Lab Sample No: **768749**
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32029.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32029.d
Report Date: 17-Sep-2006 17:17

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

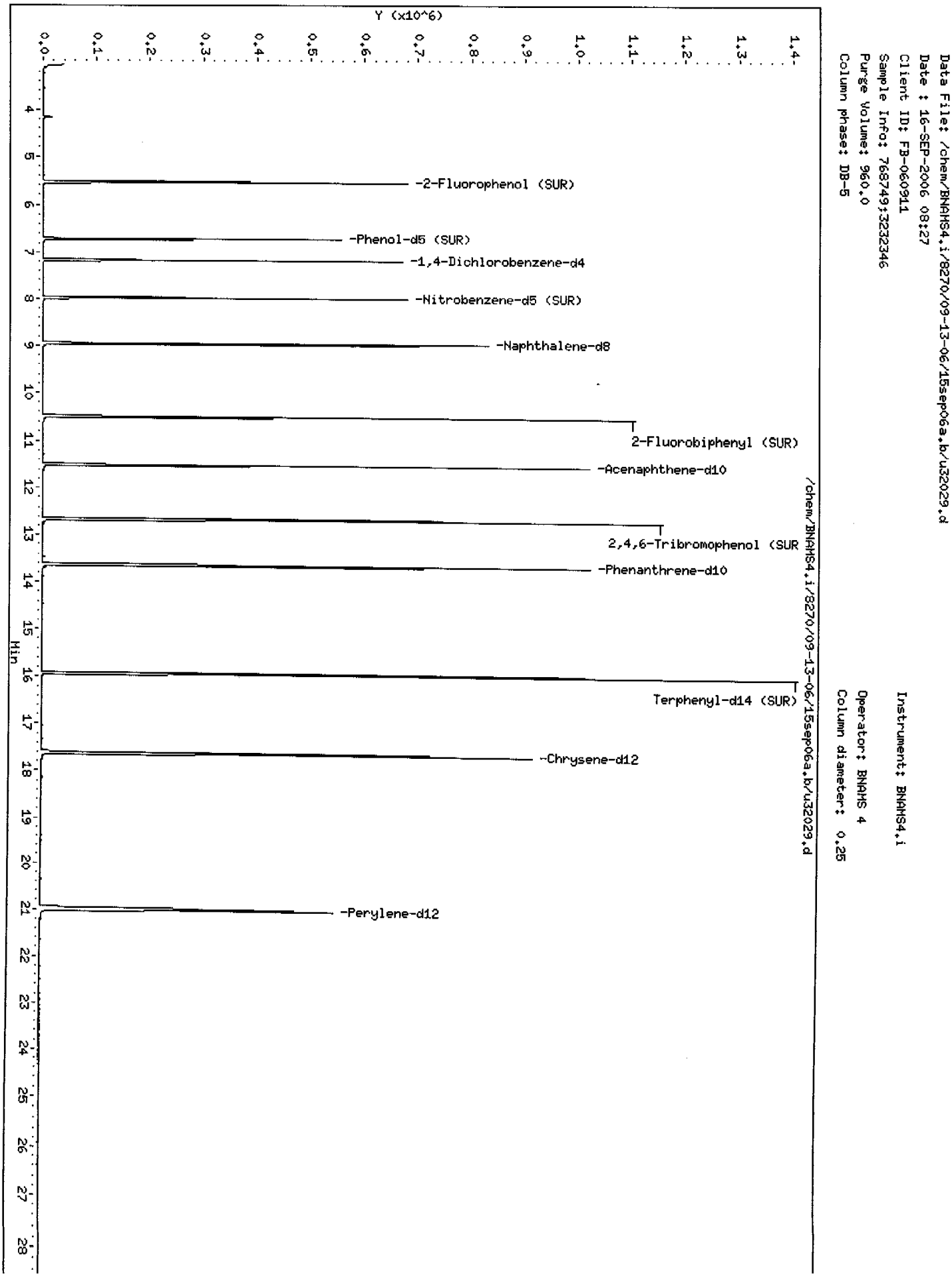
Data file : /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32029.d
Lab Smp Id: 768749 Client Smp ID: FB-060911
Inj Date : 16-SEP-2006 08:27
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 768749;3232346
Misc Info : W881;WB255A;QA4195
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/8270C6-1.m
Meth Date : 17-Sep-2006 17:09 asfawa Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	5.532	5.536	(0.771)	206821	43.4316	90
$ 17 Phenol-d5 (SUR)	99	6.705	6.723	(0.935)	188676	29.1994	61
* 79 1,4-Dichlorobenzene-d4	152	7.171	7.186	(1.000)	118590	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.972	7.989	(0.890)	268938	46.0370	96
* 80 Naphthalene-d8	136	8.954	8.970	(1.000)	433850	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.502	10.513	(0.913)	425341	43.2035	90
* 82 Acenaphthene-d10	164	11.505	11.518	(1.000)	303105	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.664	12.677	(1.101)	197276	84.6916	180
* 83 Phenanthrene-d10	188	13.642	13.655	(1.000)	526291	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.935	15.938	(0.904)	636981	42.3796	88
* 81 Chrysene-d12	240	17.628	17.647	(1.000)	683726	40.0000	
* 84 Perylene-d12	264	21.004	21.030	(1.000)	653143	40.0000	


Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32029.d
Date : 16-SEP-2006 08:27
Client ID: FB-060911
Sample Info: 768749;3232346
Purge Volume: 960.0
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
4
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24
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26
27
28
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32029.d

Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U31942

DFTPP Injection Date: 09/13/06

Instrument ID: BNAMS4

DFTPP Injection Time: 2348

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	67.7
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	42.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	21.7
365	Greater than 1.0% of mass 198	2.43
441	0.0 - 100.0% of mass 443	11.7 (87.4)2
442	40.0 - 110.0% of mass 198	69.5
443	17.0 - 23.0% of mass 442	13.4 (19.3)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD256	USTD256	U31943	09/14/06	0009
02	USTD120	USTD120	U31944	09/14/06	0048
03	USTD005	USTD005	U31945	09/14/06	0126
04	USTD080	USTD080	U31946	09/14/06	0205
05	USTD020	USTD020	U31947	09/14/06	0244
06	USTD010	USTD010	U31948	09/14/06	0323
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

Instrument: BNAMS4.i

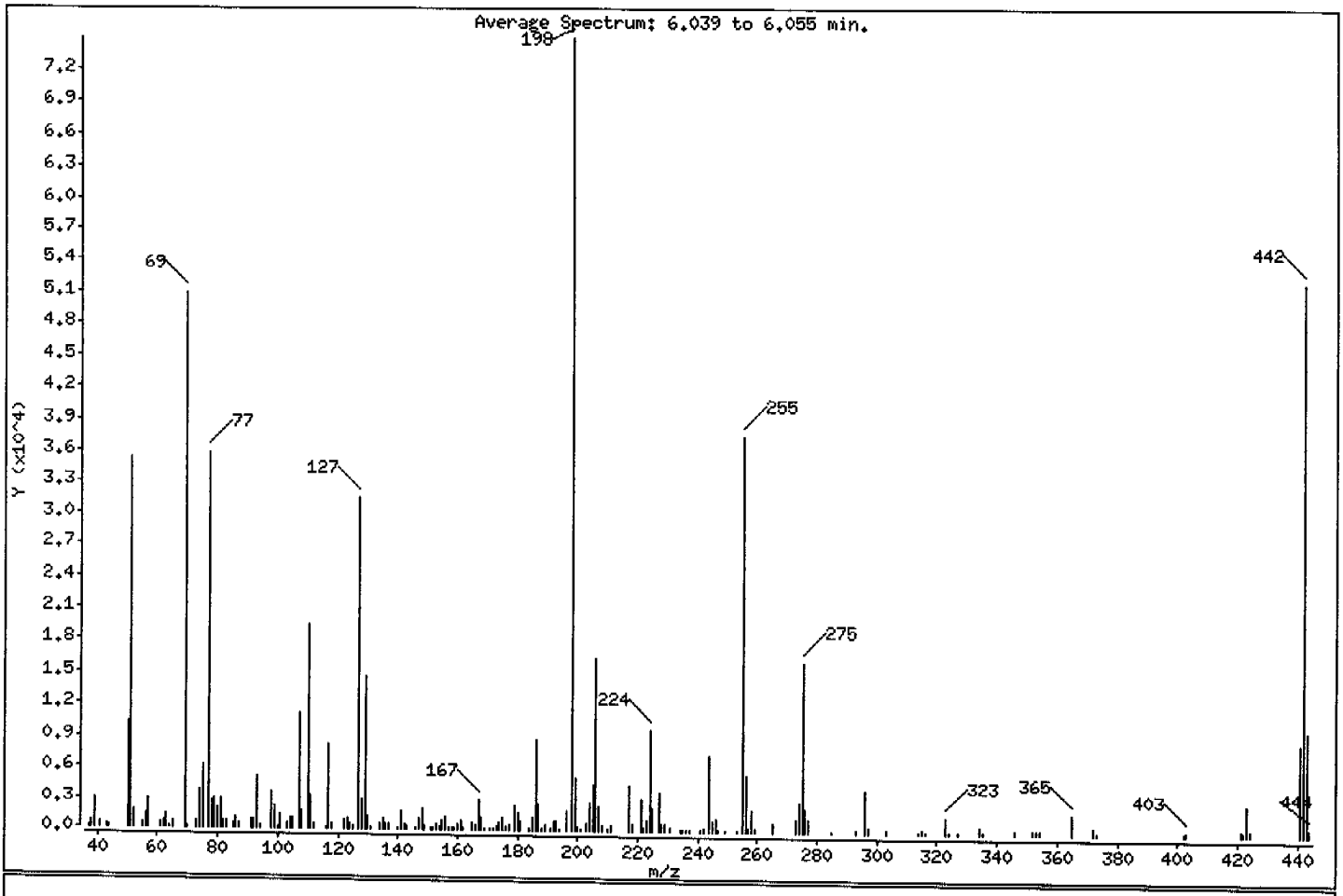
Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.13
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	67.71
70	Less than 2.00% of mass 69	0.28 (0.41)
127	40.00 - 60.00% of mass 198	42.10
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.83
275	10.00 - 30.00% of mass 198	21.71
365	Greater than 1.00% of mass 198	2.43
441	0.01 - 100.00% of mass 443	11.70 (87.38)
442	40.00 - 110.00% of mass 198	69.51
443	17.00 - 23.00% of mass 442	13.38 (19.26)

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31942.d

Spectrum: Average Spectrum: 6.039 to 6.055 min.

Location of Maximum: 198.00

Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	111	112.00	456	176.00	333	246.00	1269
38.00	689	116.00	190	177.00	560	247.00	101
39.00	2946	117.00	8254	179.00	2473	249.00	114
41.00	432	118.00	516	180.00	1642	253.00	141
43.00	349	122.00	835	181.00	787	255.00	37584
44.00	121	123.00	1037	184.00	167	256.00	5553
50.00	10376	124.00	517	185.00	1191	257.00	365
51.00	35304	125.00	415	186.00	8855	258.00	2103
52.00	1680	127.00	31536	187.00	2510	259.00	316
55.00	587	128.00	2965	188.00	176	265.00	782
56.00	1356	129.00	14690	189.00	600	273.00	1239
57.00	2870	130.00	1231	191.00	148	274.00	2973
61.00	515	131.00	142	192.00	876	275.00	16265
62.00	622	134.00	485	193.00	918	276.00	2304
63.00	1459	135.00	1071	194.00	163	277.00	1134
64.00	104	136.00	484	196.00	1905	285.00	114
65.00	765	137.00	600	198.00	74904	293.00	312
69.00	50712	140.00	133	199.00	5118	296.00	4091
70.00	207	141.00	1775	200.00	325	297.00	570
73.00	671	142.00	479	201.00	118	303.00	430
74.00	3841	143.00	407	203.00	665	314.00	104
75.00	6280	146.00	229	204.00	2780	315.00	429
77.00	35824	147.00	996	205.00	4434	316.00	208
78.00	2822	148.00	2140	206.00	16520	323.00	1565
79.00	2936	149.00	344	207.00	2328	324.00	102
80.00	2136	151.00	123	208.00	564	327.00	126
81.00	2981	152.00	101	210.00	254	334.00	742
82.00	719	153.00	576	211.00	591	335.00	217
83.00	660	154.00	354	217.00	4554	346.00	308
85.00	549	155.00	867	218.00	627	352.00	362
86.00	972	156.00	1255	221.00	3156	353.00	271
87.00	454	157.00	156	222.00	418	354.00	355
91.00	832	158.00	215	223.00	972	365.00	1818
92.00	877	159.00	132	224.00	9756	372.00	669
93.00	5153	160.00	583	225.00	2189	373.00	104

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u31942.d

Spectrum: Average Spectrum: 6.039 to 6.055 min.

Location of Maximum: 198.00

Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	298	161.00	837	227.00	3763	402.00	232
98.00	3550	162.00	102	228.00	654	403.00	404
99.00	2266	165.00	675	229.00	704	421.00	447
100.00	140	166.00	568	231.00	327	422.00	358
101.00	1400	167.00	2986	234.00	119	423.00	2873
103.00	567	168.00	1241	235.00	106	424.00	497
104.00	977	169.00	133	236.00	103	441.00	8761
105.00	1045	171.00	129	237.00	151	442.00	52064
107.00	11175	172.00	213	241.00	106	443.00	10026
108.00	1716	173.00	333	242.00	391	444.00	757
110.00	19480	174.00	734	244.00	7389		
111.00	3224	175.00	1253	245.00	1053		

Data File: /chem/BNAMS4.i/8270/09-13-06/13sep06a.b/u31942.d

Date : 13-SEP-2006 23:48

Client ID:

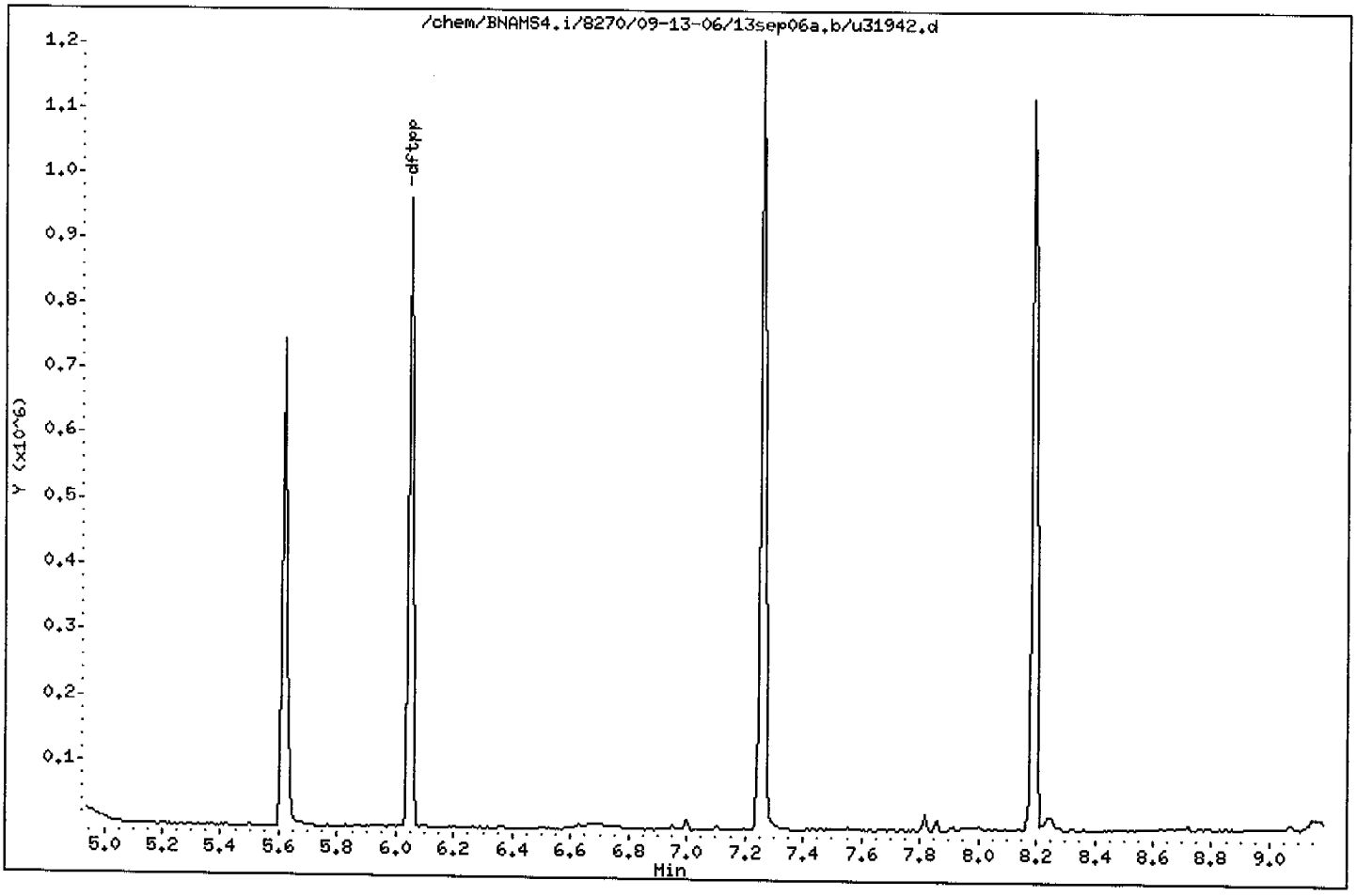
Instrument: BNAMS4.i

Sample Info: UDFTPP256a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U32015

DFTPP Injection Date: 09/15/06

Instrument ID: BNAMS4

DFTPP Injection Time: 2354

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	63.8
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	42.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	21.5
365	Greater than 1.0% of mass 198	2.44
441	0.0 - 100.0% of mass 443	11.7 (85.2)2
442	40.0 - 110.0% of mass 198	69.9
443	17.0 - 23.0% of mass 442	13.7 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD258A	USTD258A	U32016	09/16/06	0014
02	WB255A	WB255A	U32026	09/16/06	0635
03	MW04-060911	768748	U32028	09/16/06	0750
04	FB-060911	768749	U32029	09/16/06	0827
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32015.d

Date : 15-SEP-2006 23:54

Client ID:

Instrument: BNAMS4.i

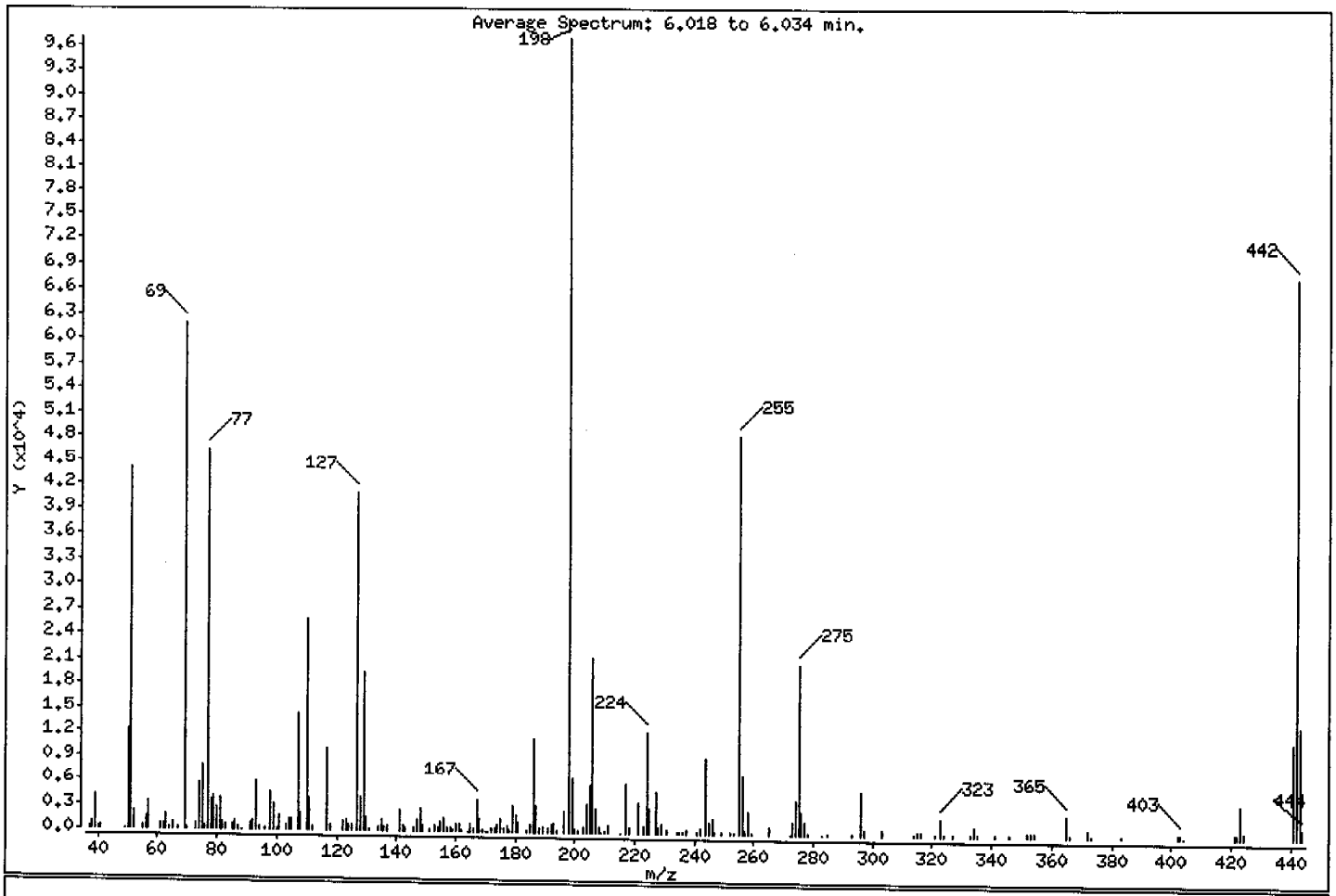
Sample Info: UDFTPP258a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.61
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	63.81
70	Less than 2.00% of mass 69	0.14 (0.22)
127	40.00 - 60.00% of mass 198	42.40
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.69
275	10.00 - 30.00% of mass 198	21.46
365	Greater than 1.00% of mass 198	2.44
441	0.01 - 100.00% of mass 443	11.71 (85.24)
442	40.00 - 110.00% of mass 198	69.92
443	17.00 - 23.00% of mass 442	13.74 (19.65)

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32015.d

Date : 15-SEP-2006 23:54

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP258a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32015.d

Spectrum: Average Spectrum: 6.018 to 6.034 min.

Location of Maximum: 198.00

Number of points: 201

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	251	112.00	390	181.00	1135	257.00	523
38.00	822	117.00	10038	184.00	154	258.00	2561
39.00	4102	118.00	756	185.00	885	259.00	311
40.00	221	122.00	1017	186.00	11452	265.00	928
41.00	354	123.00	1357	187.00	3021	272.00	103
49.00	103	124.00	684	188.00	361	273.00	1554
50.00	12329	125.00	567	189.00	623	274.00	3917
51.00	44152	127.00	41040	191.00	420	275.00	20768
52.00	2208	128.00	4049	192.00	981	276.00	2687
55.00	525	129.00	19320	193.00	1060	277.00	1630
56.00	1486	130.00	1570	194.00	276	278.00	130
57.00	3316	131.00	173	196.00	2421	283.00	107
61.00	711	134.00	518	198.00	96816	285.00	264
62.00	688	135.00	1265	199.00	6478	293.00	317
63.00	1764	136.00	499	200.00	400	296.00	5101
64.00	163	137.00	563	201.00	302	297.00	726
65.00	841	141.00	2370	203.00	686	303.00	600
67.00	125	142.00	629	204.00	3330	314.00	259
69.00	61776	143.00	391	205.00	5473	315.00	509
70.00	136	146.00	373	206.00	21472	316.00	344
73.00	581	147.00	1244	207.00	2830	321.00	124
74.00	5489	148.00	2575	208.00	643	323.00	1991
75.00	7769	149.00	565	209.00	110	324.00	291
76.00	429	151.00	279	210.00	317	327.00	321
77.00	46184	153.00	589	211.00	848	333.00	123
78.00	3608	154.00	421	215.00	110	334.00	1139
79.00	4041	155.00	1107	217.00	5757	335.00	312
80.00	2775	156.00	1560	218.00	605	341.00	112
81.00	3817	157.00	391	221.00	3595	346.00	317
82.00	930	158.00	351	223.00	788	352.00	531
83.00	773	159.00	282	224.00	12189	353.00	421
85.00	665	160.00	896	225.00	2892	354.00	529
86.00	1128	161.00	893	227.00	4806	365.00	2361
87.00	423	162.00	146	228.00	627	366.00	186
88.00	100	164.00	100	229.00	1114	372.00	842

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32015.d

Date : 15-SEP-2006 23:54

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP258a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32015.d

Spectrum: Average Spectrum: 6.018 to 6.034 min.

Location of Maximum: 198.00

Number of points: 201

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	923	165.00	913	231.00	392	373.00	127
92.00	1114	166.00	355	234.00	207	383.00	134
93.00	5849	167.00	3801	235.00	282	402.00	379
94.00	368	168.00	1520	236.00	120	403.00	509
96.00	233	169.00	180	237.00	372	404.00	103
98.00	4472	170.00	101	241.00	274	421.00	507
99.00	3171	171.00	106	242.00	590	422.00	550
100.00	288	172.00	343	244.00	9190	423.00	3744
101.00	1801	173.00	420	245.00	1325	424.00	608
103.00	566	174.00	832	246.00	1748	441.00	11339
104.00	1443	175.00	1525	247.00	286	442.00	67696
105.00	1228	176.00	435	249.00	280	443.00	13302
107.00	14145	177.00	622	252.00	213	444.00	1093
108.00	1959	178.00	152	253.00	290		
110.00	25872	179.00	3097	255.00	48376		
111.00	3775	180.00	1990	256.00	6869		

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32015.d

Date : 15-SEP-2006 23:54

Client ID:

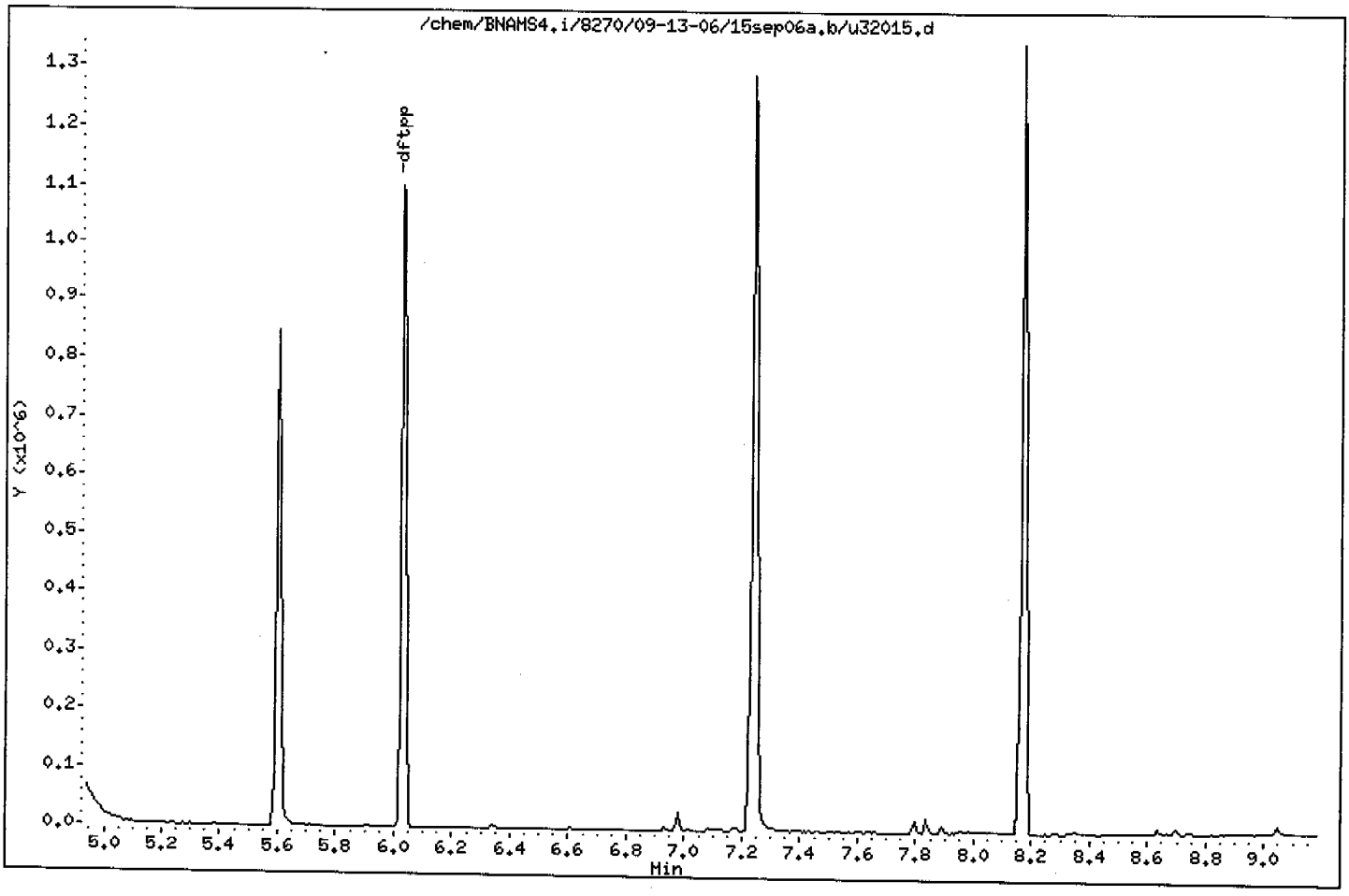
Instrument: BNAMS4.i

Sample Info: UDFTPP258a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



Method Blank Results Summary

LAB SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

WB255A

Matrix: WATER

Date Analyzed: 09/16/06

Level: LOW

Time Analyzed: 0635

Instrument ID: BNAMS4

Lab File ID: U32026

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	MW04-060911	768748	U32028	09/16/06
02	FB-060911	768749	U32029	09/16/06
03				
04				
05				
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30				

COMMENTS:

Client ID: **WB255A**
Site:

Lab Sample No: **WB255A**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32026.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	30
4-Nitrophenol	ND	30
4,6-Dinitro-2-methylphenol	ND	30
Pentachlorophenol	ND	30
Benzoic Acid	ND	10
N-Nitrosodimethylamine	ND	10
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20

Client ID: **WB255A**
Site:

Lab Sample No: **WB255A**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32026.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Benzidine	ND	20
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10
Pyridine	ND	10

Client ID: **WB255A**
Site:

Lab Sample No: **WB255A**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32026.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Aniline	ND	10
Benzyl Alcohol	ND	10
1,2-Diphenylhydrazine	ND	10
Diphenyl	ND	10
Diphenyl Ether	ND	10
Acetophenone	ND	10
1,4-Dioxane	ND	10
N,N-Dimethylaniline	ND	10
2,3,7,8-TCDD (Screen)	ND	1.0
Benzaldehyde	ND	1.0
Caprolactam	ND	10
Atrazine	ND	10
n-decane	ND	10
Coumarin	ND	10
n-Octadecane	ND	10
o-Tricresylphosphate	ND	10
Carbamazepine	ND	10
1-Methylnaphthalene	ND	20
	ND	20

Client ID: **WB255A**
Site:

Lab Sample No: **WB255A**
Lab Job No: W881

Date Sampled: _____
Date Received: _____
Date Extracted: 09/12/06
Date Analyzed: 09/16/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32026.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32026.d
Report Date: 17-Sep-2006 17:15

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

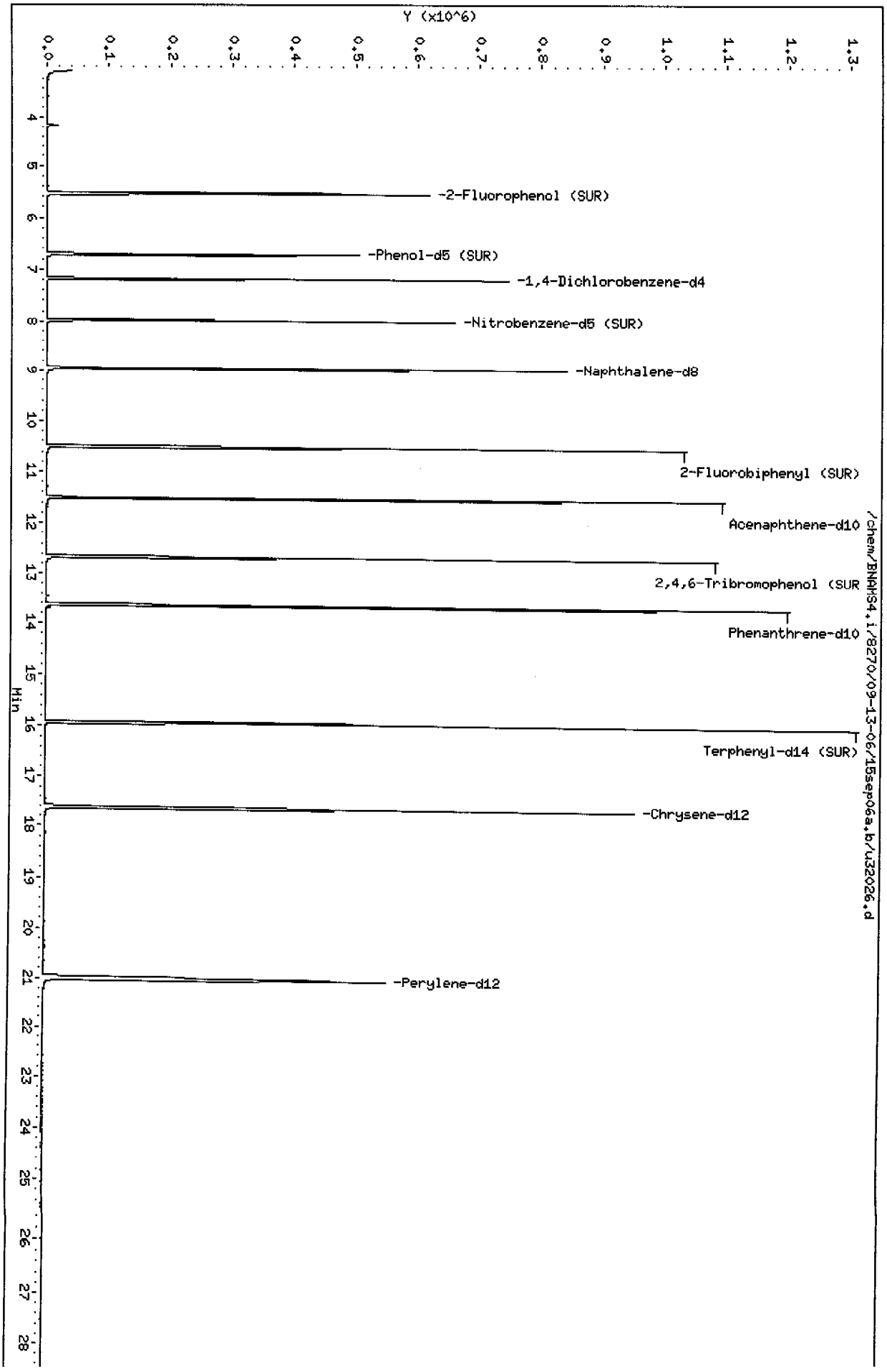
Data file : /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/u32026.d
Lab Smp Id: WB255A Client Smp ID: WB255A
Inj Date : 16-SEP-2006 06:35
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : WB255A;MB62852
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270/09-13-06/15sep06a.b/8270C6-1.m
Meth Date : 17-Sep-2006 17:09 asfawa Quant Type: ISTD
Cal Date : 14-SEP-2006 03:23 Cal File: u31948.d
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	5.529	5.536	(0.771)	185659	37.9602	76
$ 17 Phenol-d5 (SUR)	99	6.708	6.723	(0.935)	173721	26.1764	52
* 79 1,4-Dichlorobenzene-d4	152	7.175	7.186	(1.000)	121800	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.974	7.989	(0.890)	255965	40.7065	81
* 80 Naphthalene-d8	136	8.960	8.970	(1.000)	466994	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.501	10.513	(0.912)	375403	35.5081	71
* 82 Acenaphthene-d10	164	11.509	11.518	(1.000)	325496	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.664	12.677	(1.100)	185462	74.1427	150
* 83 Phenanthrene-d10	188	13.641	13.655	(1.000)	578087	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.930	15.938	(0.904)	606861	38.3195	77
* 81 Chrysene-d12	240	17.629	17.647	(1.000)	720413	40.0000	
* 84 Perylene-d12	264	21.004	21.030	(1.000)	712562	40.0000	


Data File: /chem/BNAHS4.i/8270/09-13-06/15sep06a.b/u32026.d
Date : 16-SEP-2006 06:35
Client ID: WB255A
Sample Info: WB255A;MB62852
Purge Volume: 1000.0
Column phase: DB-5
Instrument: BNAHS4.i
Operator: BNAHS 4
Column diameter: 0.25
Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
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26
27
28
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
2-Fluorobiphenyl (SUR)
Acenaphthene-d10
2,4,6-Tribromophenol (SUR
Phenanthrene-d10
Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAHS4.i/8270/09-13-06/15sep06a.b/u32026.d

Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

LAB FILE ID: RRF5: U31945 RRF20: U31947 RRF50: U31943
RRF80: U31946 RRF120: U31944

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	2.229	2.128	1.917	1.991	1.792
2-Chlorophenol	1.515	1.393	1.268	1.318	1.239
2-Methylphenol	1.364	1.374	1.262	1.420	1.326
4-Methylphenol	1.529	1.505	1.443	1.582	1.480
2-Nitrophenol	0.222	0.230	0.232	0.231	0.223
2,4-Dimethylphenol	0.390	0.355	0.343	0.346	0.342
2,4-Dichlorophenol	0.351	0.331	0.329	0.346	0.327
4-Chloro-3-methylphenol	0.470	0.456	0.487	0.442	0.400
2,4,6-Trichlorophenol	0.440	0.463	0.440	0.464	0.427
2,4,5-Trichlorophenol	0.416	0.514	0.446	0.454	0.451
2,4-Dinitrophenol	0.126	0.185	0.199	0.233	0.227
4-Nitrophenol	0.355	0.387	0.402	0.430	0.384
4,6-Dinitro-2-methylphenol	0.150	0.162	0.154	0.163	0.143
Pentachlorophenol	0.155	0.169	0.189	0.193	0.178
Benzoic Acid	0.036	0.160	0.178	0.185	0.190
N-Nitrosodimethylamine	1.158	1.378	1.223	1.226	1.151
bis(2-Chloroethyl)ether	1.695	1.802	1.567	1.526	1.456
1,3-Dichlorobenzene	1.621	1.633	1.440	1.537	1.412
1,4-Dichlorobenzene	1.507	1.500	1.414	1.461	1.397
1,2-Dichlorobenzene	1.529	1.621	1.344	1.468	1.378
bis(2-chloroisopropyl)ether	2.078	2.113	1.844	1.976	1.798
N-Nitroso-di-n-propylamine	1.251	1.490	1.408	1.431	1.350
Hexachloroethane	0.681	0.776	0.716	0.745	0.695
Nitrobenzene	0.750	0.679	0.655	0.649	0.604
Isophorone	1.176	1.030	1.014	1.033	0.981
bis(2-Chloroethoxy)methane	0.538	0.525	0.514	0.493	0.475
1,2,4-Trichlorobenzene	0.367	0.388	0.395	0.363	0.351
Naphthalene	0.999	0.914	0.961	0.920	0.952
4-Chloroaniline	0.468	0.435	0.407	0.420	0.410
Hexachlorobutadiene	0.266	0.244	0.259	0.257	0.223
2-Methylnaphthalene	0.818	0.758	0.774	0.772	0.725
Hexachlorocyclopentadiene	0.226	0.265	0.356	0.329	0.330
2-Chloronaphthalene	1.216	1.204	1.016	1.061	1.016
2-Nitroaniline	0.498	0.559	0.501	0.491	0.484
Dimethylphthalate	1.611	1.754	1.478	1.611	1.439
Acenaphthylene	1.891	1.902	1.567	1.726	1.580
2,6-Dinitrotoluene	0.265	0.362	0.353	0.348	0.340
3-Nitroaniline	0.379	0.416	0.375	0.375	0.376
Acenaphthene	1.026	1.178	0.991	1.073	0.989

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

LAB FILE ID: RRF5: U31945 RRF20: U31947 RRF50: U31943
RRF80: U31946 RRF120: U31944

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.655	1.682	1.556	1.610	1.537
2,4-Dinitrotoluene	0.414	0.512	0.463	0.498	0.489
Diethylphthalate	1.532	1.905	1.704	1.734	1.577
4-Chlorophenyl-phenylether	0.831	0.861	0.777	0.785	0.721
Fluorene	1.431	1.346	1.280	1.267	1.248
4-Nitroaniline	0.363	0.430	0.382	0.399	0.393
N-Nitrosodiphenylamine	0.633	0.556	0.473	0.520	0.451
4-Bromophenyl-phenylether	0.328	0.319	0.256	0.272	0.239
Hexachlorobenzene	0.382	0.361	0.286	0.311	
Phenanthrene	1.212	1.083	0.964	1.093	0.998
Anthracene	1.136	1.123	0.977	1.006	0.914
Carbazole	1.158	1.045	0.948	1.040	0.900
Di-n-butylphthalate	1.911	1.846	1.455	1.575	1.339
Fluoranthene	1.652	1.614	1.330	1.398	1.186
Pyrene	1.353	1.289	1.095	1.210	1.112
Benzidine	0.642	0.470	0.317	0.312	0.236
Butylbenzylphthalate	0.717	0.751	0.623	0.678	0.650
3,3'-Dichlorobenzidine	0.526	0.505	0.452	0.393	0.328
Benzo(a)anthracene	1.582	1.216	1.045	1.106	1.029
Chrysene	1.073	1.104	0.966	1.045	0.982
bis(2-Ethylhexyl)phthalate	0.918	0.918	0.778	0.828	0.740
Di-n-octylphthalate	1.811	1.738	1.600	1.533	1.422
Benzo(b)fluoranthene	1.828	1.473	1.584	1.644	1.541
Benzo(k)fluoranthene	1.651	1.475	1.176	1.033	0.902
Benzo(a)pyrene	1.566	1.355	1.262	1.260	1.172
Indeno(1,2,3-cd)pyrene	1.590	1.514	1.533	1.428	1.278
Dibenz(a,h)anthracene	1.249	1.211	1.197	1.149	1.074
Benzo(g,h,i)perylene	1.393	1.354	1.390	1.286	1.201
Pyridine	1.587	2.050	1.938	2.074	1.925
Aniline	2.631	2.445	2.307	2.149	1.993
Benzyl Alcohol	1.009	1.141	1.003	1.080	1.035
1,2-Diphenylhydrazine	1.193	1.158	0.927	1.014	0.950
Diphenyl	1.536	1.426	1.425	1.467	1.313
Diphenyl Ether	0.829	0.954	0.784	0.855	0.752
Acetophenone	2.493	2.516	2.301	2.427	2.135
1,4-Dioxane	0.722	0.900	0.880	0.900	0.852
N,N-Dimethylaniline	1.757	2.115	1.933	2.112	1.945
2,3,7,8-TCDD (Screen)			0.177		
Benzaldehyde	1.424	1.462	0.959	0.866	

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

LAB FILE ID: RRF5: U31945 RRF20: U31947 RRF50: U31943
RRF80: U31946 RRF120: U31944

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.147	0.154	0.152	0.159	0.171
Atrazine	0.321	0.268	0.205	0.217	0.179
n-decane	1.489	1.512	1.369	1.431	1.282
Coumarin	0.296	0.288	0.287	0.298	0.283
n-Octadecane	0.579	0.541	0.475	0.525	0.439
o-Tricresylphosphate	0.276	0.279	0.259	0.255	0.263
Carbamazepine	0.495	0.576	0.531	0.553	0.571
1-Methylnaphthalene	0.720	0.678	0.679	0.680	0.668
2-Fluorophenol (SUR)	1.432	1.644	1.643	1.732	1.585
Phenol-d5 (SUR)	2.163	2.298	2.114	2.188	2.077
2,4,6-Tribromophenol (SUR)	0.300	0.318	0.308	0.326	0.308
Nitrobenzene-d5 (SUR)	0.554	0.509	0.560	0.531	0.494
2-Fluorobiphenyl (SUR)	1.458	1.347	1.230	1.237	1.162
Terphenyl-d14 (SUR)	0.938	0.947	0.764	0.866	0.806

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

RRF10: U31948

COMPOUND	RRF10
Phenol	2.261
2-Chlorophenol	1.508
2-Methylphenol	1.478
4-Methylphenol	1.563
2-Nitrophenol	0.242
2,4-Dimethylphenol	0.388
2,4-Dichlorophenol	0.370
4-Chloro-3-methylphenol	0.491
2,4,6-Trichlorophenol	0.453
2,4,5-Trichlorophenol	0.491
2,4-Dinitrophenol	0.147
4-Nitrophenol	0.350
4,6-Dinitro-2-methylphenol	0.161
Pentachlorophenol	0.172
Benzoic Acid	0.101
N-Nitrosodimethylamine	1.362
bis(2-Chloroethyl)ether	1.737
1,3-Dichlorobenzene	1.661
1,4-Dichlorobenzene	1.535
1,2-Dichlorobenzene	1.506
bis(2-chloroisopropyl)ether	2.196
N-Nitroso-di-n-propylamine	1.497
Hexachloroethane	0.778
Nitrobenzene	0.744
Isophorone	1.049
bis(2-Chloroethoxy)methane	0.540
1,2,4-Trichlorobenzene	0.415
Naphthalene	1.001
4-Chloroaniline	0.418
Hexachlorobutadiene	0.260
2-Methylnaphthalene	0.826
Hexachlorocyclopentadiene	0.190
2-Chloronaphthalene	1.126
2-Nitroaniline	0.492
Dimethylphthalate	1.582
Acenaphthylene	1.741
2,6-Dinitrotoluene	0.339
3-Nitroaniline	0.376
Acenaphthene	0.995

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

RRF10: U31948

COMPOUND	RRF10
Dibenzofuran	1.625
2,4-Dinitrotoluene	0.487
Diethylphthalate	1.738
4-Chlorophenyl-phenylether	0.873
Fluorene	1.334
4-Nitroaniline	0.380
N-Nitrosodiphenylamine	0.611
4-Bromophenyl-phenylether	0.321
Hexachlorobenzene	0.372
Phenanthrene	1.233
Anthracene	1.221
Carbazole	1.168
Di-n-butylphthalate	1.900
Fluoranthene	1.688
Pyrene	1.348
Benzidine	0.614
Butylbenzylphthalate	0.684
3,3'-Dichlorobenzidine	0.539
Benzo(a)anthracene	1.266
Chrysene	1.083
bis(2-Ethylhexyl)phthalate	0.975
Di-n-octylphthalate	1.858
Benzo(b)fluoranthene	1.551
Benzo(k)fluoranthene	1.503
Benzo(a)pyrene	1.359
Indeno(1,2,3-cd)pyrene	1.522
Dibenz(a,h)anthracene	1.266
Benzo(g,h,i)perylene	1.323
Pyridine	1.970
Aniline	2.525
Benzyl Alcohol	1.047
1,2-Diphenylhydrazine	1.275
Diphenyl	1.456
Diphenyl Ether	0.816
Acetophenone	2.569
1,4-Dioxane	0.817
N,N-Dimethylaniline	2.197
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.599

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

RRF10: U31948

COMPOUND	RRF10
Caprolactam	0.157
Atrazine	0.290
n-decane	1.577
Coumarin	0.335
n-Octadecane	0.632
o-Tricresylphosphate	0.275
Carbamazepine	0.586
1-Methylnaphthalene	0.710
2-Fluorophenol (SUR)	1.601
Phenol-d5 (SUR)	2.237
2,4,6-Tribromophenol (SUR)	0.284
Nitrobenzene-d5 (SUR)	0.583
2-Fluorobiphenyl (SUR)	1.360
Terphenyl-d14 (SUR)	0.957

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		2.05293664		9.0*
2-Chlorophenol	AVRG		1.37353646		8.6*
2-Methylphenol	AVRG		1.37086266		5.4*
4-Methylphenol	AVRG		1.51685461		3.4*
2-Nitrophenol	AVRG		0.23011793		3.2*
2,4-Dimethylphenol	AVRG		0.36063330		6.3*
2,4-Dichlorophenol	AVRG		0.34227396		4.8*
4-Chloro-3-methylphenol	AVRG		0.45779641		7.4*
2,4,6-Trichlorophenol	AVRG		0.44794919		3.3*
2,4,5-Trichlorophenol	AVRG		0.46199498		7.6*
2,4-Dinitrophenol	2ORDR	0.00000000	5.28613867	-1.4293576	0.993**
4-Nitrophenol	AVRG		0.38453220		7.7**
4,6-Dinitro-2-methylphenol	AVRG		0.15557125		5.1*
Pentachlorophenol	AVRG		0.17587868		7.9*
Benzoic Acid	LINR	0.00000000	5.35004295		0.994*
N-Nitrosodimethylamine	AVRG		1.24976520		7.9*
bis(2-Chloroethyl)ether	AVRG		1.63050409		8.2*
1,3-Dichlorobenzene	AVRG		1.55061907		6.8*
1,4-Dichlorobenzene	AVRG		1.46905617		3.7*
1,2-Dichlorobenzene	AVRG		1.47425271		6.9*
bis(2-chloroisopropyl)ether	AVRG		2.00085757		7.8*
N-Nitroso-di-n-propylamine	AVRG		1.40457311		6.6**
Hexachloroethane	AVRG		0.73193615		5.6*
Nitrobenzene	AVRG		0.68026438		8.4*
Isophorone	AVRG		1.04722130		6.4*
bis(2-Chloroethoxy)methane	AVRG		0.51437908		5.0*
1,2,4-Trichlorobenzene	AVRG		0.37994104		6.2*
Naphthalene	AVRG		0.95785259		3.9*
4-Chloroaniline	AVRG		0.42632315		5.3*
Hexachlorobutadiene	AVRG		0.25161879		6.2*
2-Methylnaphthalene	AVRG		0.77894320		4.8*
Hexachlorocyclopentadiene	LINR	0.00000000	3.01414018		0.995**
2-Chloronaphthalene	AVRG		1.10637576		8.1*
2-Nitroaniline	AVRG		0.50407849		5.5*
Dimethylphthalate	AVRG		1.57929415		7.1*
Acenaphthylene	AVRG		1.73449527		8.3*
2,6-Dinitrotoluene	AVRG		0.33451800		10.4*
3-Nitroaniline	AVRG		0.38285050		4.2*
Acenaphthene	AVRG		1.04199185		7.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dibenzofuran	AVRG		1.61095752		3.5*
2,4-Dinitrotoluene	AVRG		0.47731495		7.3*
Diethylphthalate	AVRG		1.69831304		7.8*
4-Chlorophenyl-phenylether	AVRG		0.80803775		7.1*
Fluorene	AVRG		1.31774744		5.1*
4-Nitroaniline	AVRG		0.39116981		5.8*
N-Nitrosodiphenylamine	AVRG		0.54063802		13.5*
4-Bromophenyl-phenylether	AVRG		0.28941389		13.2*
Hexachlorobenzene	AVRG		0.34240387		12.2*
Phenanthrene	AVRG		1.09730094		9.9*
Anthracene	AVRG		1.06287776		10.9*
Carbazole	AVRG		1.04309968		10.4*
Di-n-butylphthalate	AVRG		1.67123008		14.8*
Fluoranthene	AVRG		1.47810269		13.7*
Pyrene	AVRG		1.23457566		9.2*
Benzidine	2ORDR	0.00000000	0.54107124	4.91415698	0.967*
Butylbenzylphthalate	AVRG		0.68380710		6.7*
3,3'-Dichlorobenzidine	2ORDR	0.00000000	1.24789036	1.77669735	0.998*
Benzo(a)anthracene	LINR	0.00000000	0.94566379		0.996*
Chrysene	AVRG		1.04226389		5.4*
bis(2-Ethylhexyl)phthalate	AVRG		0.85957973		10.7*
Di-n-octylphthalate	AVRG		1.66051831		10.2*
Benzo(b)fluoranthene	AVRG		1.60349993		7.7*
Benzo(k)fluoranthene	2ORDR	0.00000000	0.53615526	0.21095927	1.000*
Benzo(a)pyrene	AVRG		1.32907226		10.2*
Indeno(1,2,3-cd)pyrene	AVRG		1.47753260		7.5*
Dibenz(a,h)anthracene	AVRG		1.19117718		5.9*
Benzo(g,h,i)perylene	AVRG		1.32468949		5.5*
Pyridine	AVRG		1.92400378		9.1*
Aniline	AVRG		2.34176123		10.2*
Benzyl Alcohol	AVRG		1.05255718		4.9*
1,2-Diphenylhydrazine	AVRG		1.08624121		13.1*
Diphenyl	AVRG		1.43728075		5.1*
Diphenyl Ether	AVRG		0.83181620		8.4*
Acetophenone	AVRG		2.40693235		6.7**
1,4-Dioxane	AVRG		0.84535109		8.0**
N,N-Dimethylaniline	AVRG		2.00982165		8.0**
2,3,7,8-TCDD (Screen)	AVRG		0.17681717		0.0**
Benzaldehyde	AVRG		1.26207301		25.9*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/14/06 09/14/06

Calibration Time(s): 0009 0323

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.15685636		5.2*
Atrazine	2ORDR	0.00000000	3.36005059	3.83817505	0.991*
n-decane	AVRG		1.44336240		7.4*
Coumarin	AVRG		0.29791742		6.4*
n-Octadecane	AVRG		0.53169137		13.1*
o-Tricresylphosphate	AVRG		0.26789012		3.7*
Carbamazepine	AVRG		0.55207612		6.2*
1-Methylnaphthalene	AVRG		0.68906991		3.0*
2-Fluorophenol (SUR)	AVRG		1.60620411		6.2*
Phenol-d5 (SUR)	AVRG		2.17949205		3.7*
2,4,6-Tribromophenol (SUR)	AVRG		0.30739776		4.8*
Nitrobenzene-d5 (SUR)	AVRG		0.53859956		6.2*
2-Fluorobiphenyl (SUR)	AVRG		1.29922726		8.3*
Terphenyl-d14 (SUR)	AVRG		0.87932165		9.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W881

Instrument ID: BNAMS4 Calibration Date: 09/16/06 Time: 0014

Lab File ID: U32016 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	2.0530000	2.0322534	2.0322534		1.01	20.00	AVRG
2-Chlorophenol	1.3740000	1.2753383	1.2753383		7.18	20.00	AVRG
2-Methylphenol	1.3710000	1.3672164	1.3672164		0.28	20.00	AVRG
4-Methylphenol	1.5170000	1.4693269	1.4693269		3.14	20.00	AVRG
2-Nitrophenol	0.2300000	0.2285688	0.2285688		0.62	20.00	AVRG
2,4-Dimethylphenol	0.3610000	0.3387932	0.3387932		6.15	20.00	AVRG
2,4-Dichlorophenol	0.3420000	0.3455494	0.3455494		-1.04	20.00	AVRG
4-Chloro-3-methylphenol	0.4580000	0.4727309	0.4727309		-3.22	20.00	AVRG
2,4,6-Trichlorophenol	0.4480000	0.4107478	0.4107478		8.32	20.00	AVRG
2,4,5-Trichlorophenol	0.4620000	0.4312403	0.4312403		6.66	20.00	AVRG
2,4-Dinitrophenol	50.843499	50.000000	0.2068235	0.05	-1.69		2RDR
4-Nitrophenol	0.3850000	0.3973724	0.3973724	0.05	-3.21	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1560000	0.1665523	0.1665523		-6.76	20.00	AVRG
Pentachlorophenol	0.1760000	0.1734581	0.1734581		1.44	20.00	AVRG
Benzoic Acid	45.515492	50.000000	0.1701500		8.97		LINR
N-Nitrosodimethylamine	1.2500000	1.2939232	1.2939232		-3.51	20.00	AVRG
bis(2-Chloroethyl)ether	1.6300000	1.5583198	1.5583198		4.40	20.00	AVRG
1,3-Dichlorobenzene	1.5510000	1.5100430	1.5100430		2.64	20.00	AVRG
1,4-Dichlorobenzene	1.4690000	1.4054467	1.4054467		4.33	20.00	AVRG
1,2-Dichlorobenzene	1.4740000	1.4645068	1.4645068		0.64	20.00	AVRG
bis(2-chloroisopropyl)ether	2.0010000	2.0141573	2.0141573		-0.66	20.00	AVRG
N-Nitroso-di-n-propylamine	1.4040000	1.4351110	1.4351110	0.05	-2.22	20.00	AVRG
Hexachloroethane	0.7320000	0.7430126	0.7430126		-1.50	20.00	AVRG
Nitrobenzene	0.6800000	0.6543765	0.6543765		3.77	20.00	AVRG
Isophorone	1.0470000	1.0291378	1.0291378		1.71	20.00	AVRG
bis(2-Chloroethoxy)methane	0.5140000	0.4590282	0.4590282		10.69	20.00	AVRG
1,2,4-Trichlorobenzene	0.3800000	0.3621934	0.3621934		4.68	20.00	AVRG
Naphthalene	0.9580000	0.9165295	0.9165295		4.33	20.00	AVRG
4-Chloroaniline	0.4260000	0.3909474	0.3909474		8.23	20.00	AVRG
Hexachlorobutadiene	0.2520000	0.2496776	0.2496776		0.92	20.00	AVRG
2-Methylnaphthalene	0.7790000	0.7280940	0.7280940		6.53	20.00	AVRG
Hexachlorocyclopentadiene	40.091195	50.000000	0.2660208	0.05	19.82		LINR
2-Chloronaphthalene	1.1060000	0.9704405	0.9704405		12.26	20.00	AVRG
2-Nitroaniline	0.5040000	0.4899262	0.4899262		2.79	20.00	AVRG
Dimethylphthalate	1.5790000	1.4836165	1.4836165		6.04	20.00	AVRG
Acenaphthylene	1.7340000	1.5214968	1.5214968		12.26	20.00	AVRG
2,6-Dinitrotoluene	0.3340000	0.3242492	0.3242492		2.92	20.00	AVRG
3-Nitroaniline	0.3830000	0.3515138	0.3515138		8.22	20.00	AVRG
Acenaphthene	1.0420000	0.9106071	0.9106071		12.61	20.00	AVRG
Dibenzofuran	1.6110000	1.5225880	1.5225880		5.49	20.00	AVRG
2,4-Dinitrotoluene	0.4770000	0.4603007	0.4603007		3.50	20.00	AVRG
Diethylphthalate	1.6980000	1.5166820	1.5166820		10.68	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W881

Instrument ID: BNAMS4 Calibration Date: 09/16/06 Time: 0014

Lab File ID: U32016 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.8080000	0.7039745	0.7039745		12.87	20.00	AVRG
Fluorene	1.3180000	1.2136225	1.2136225		7.92	20.00	AVRG
4-Nitroaniline	0.3910000	0.3556901	0.3556901		9.03	20.00	AVRG
N-Nitrosodiphenylamine	0.5410000	0.5037708	0.5037708		6.88	20.00	AVRG
4-Bromophenyl-phenylether	0.2890000	0.2812613	0.2812613		2.68	20.00	AVRG
Hexachlorobenzene	0.3420000	0.2994486	0.2994486		12.44	20.00	AVRG
Phenanthrene	1.0970000	1.0402123	1.0402123		5.18	20.00	AVRG
Anthracene	1.0630000	1.0338671	1.0338671		2.74	20.00	AVRG
Carbazole	1.0430000	1.0222191	1.0222191		1.99	20.00	AVRG
Di-n-butylphthalate	1.6710000	1.6262264	1.6262264		2.68	20.00	AVRG
Fluoranthene	1.4780000	1.3930542	1.3930542		5.75	20.00	AVRG
Pyrene	1.2340000	1.2463173	1.2463173		-1.00	20.00	AVRG
Benzidine	48.670975	50.000000	0.3564672		2.66		2RDR
Butylbenzylphthalate	0.6840000	0.7079538	0.7079538		-3.50	20.00	AVRG
3,3'-Dichlorobenzidine	59.085215	50.000000	0.5007322		-18.17		2RDR
Benzo(a)anthracene	53.031420	50.000000	1.1215703		-6.06		LINR
Chrysene	1.0420000	1.0657566	1.0657566		-2.28	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.8600000	0.8950469	0.8950469		-4.08	20.00	AVRG
Di-n-octylphthalate	1.6600000	1.4930075	1.4930075		10.06	20.00	AVRG
Benzo(b)fluoranthene	1.6040000	1.5204585	1.5204585		5.21	20.00	AVRG
Benzo(k)fluoranthene	50.614124	50.000000	1.1907161		-1.23		2RDR
Benzo(a)pyrene	1.3290000	1.2432474	1.2432474		6.45	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.4780000	1.3696269	1.3696269		7.33	20.00	AVRG
Dibenz(a,h)anthracene	1.1910000	1.1774782	1.1774782		1.14	20.00	AVRG
Benzo(g,h,i)perylene	1.3240000	1.2672784	1.2672784		4.28	20.00	AVRG
Pyridine	1.9240000	1.9986366	1.9986366		-3.88	20.00	AVRG
Aniline	2.3420000	2.1839422	2.1839422		6.75	20.00	AVRG
Benzyl Alcohol	1.0520000	1.0557273	1.0557273		-0.35	20.00	AVRG
1,2-Diphenylhydrazine	1.0860000	0.9673422	0.9673422		10.93	20.00	AVRG
Diphenyl	1.4370000	1.2586150	1.2586150		12.41	20.00	AVRG
Diphenyl Ether	0.8320000	0.7457203	0.7457203		10.37	20.00	AVRG
Acetophenone	2.4070000	2.3855672	2.3855672	0.01	0.89	20.00	AVRG
1,4-Dioxane	0.8450000	0.8459012	0.8459012	0.01	-0.11	20.00	AVRG
N,N-Dimethylaniline	2.0100000	2.0310484	2.0310484	0.01	-1.05	20.00	AVRG
2,3,7,8-TCDD (Screen)	0.1770000	0.2023309	0.2023309	0.01	-14.31	20.00	AVRG
Benzaldehyde	1.2620000	1.2443106	1.2443106		1.40	20.00	AVRG
Caprolactam	0.1570000	0.1457043	0.1457043		7.19	20.00	AVRG
Atrazine	44.757842	50.000000	0.2058858		10.48		2RDR
n-decane	1.4430000	1.3570873	1.3570873		5.95	20.00	AVRG
Coumarin	0.2980000	0.2805983	0.2805983		5.84	20.00	AVRG
n-Octadecane	0.5320000	0.4716309	0.4716309		11.35	20.00	AVRG
o-Tricresylphosphate	0.2680000	0.2854748	0.2854748		-6.52	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W881

Instrument ID: BNAMS4 Calibration Date: 09/16/06 Time: 0014

Lab File ID: U32016 Init. Calib. Date(s): 09/14/06 09/14/06

Init. Calib. Times: 0009 0323

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.5520000	0.6032366	0.6032366		-9.28	20.00	AVRG
1-Methylnaphthalene	0.6890000	0.6446150	0.6446150		6.44	20.00	AVRG
2-Fluorophenol (SUR)	1.6060000	1.6450611	1.6450611		-2.43	20.00	AVRG
Phenol-d5 (SUR)	2.1800000	2.1773593	2.1773593		0.12	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.3070000	0.3111503	0.3111503		-1.35	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.5380000	0.5338350	0.5338350		0.77	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.2990000	1.1264340	1.1264340		13.28	20.00	AVRG
Terphenyl-d14 (SUR)	0.8800000	0.9417825	0.9417825		-7.02	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 5.564542770
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: WATER Level: LOW Lab Job No: W881

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	WB255A	38	26	74	81	71	77	0
02	768748	41	31	86	87	82	74	0
03	768749	43	29	85	92	86	85	0
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
S1	= 2-Fluorophenol	(17- 71)
S2	= Phenol-d5	(12- 46)
S3	= 2,4,6-Tribromophenol	(53-120)
S4	= Nitrobenzene-d5	(64-122)
S5	= 2-Fluorobiphenyl	(60-106)
S6	= Terphenyl-d14	(63-129)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8270C

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 768884

MS Sample from Lab Job No: W900

QA Batch: 4195

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	200	0.00	66	33	10-54
2-Chlorophenol	200	0.00	150	75	57-101
4-Chloro-3-methylphenol	200	0.00	180	90	55-121
4-Nitrophenol	200	0.00	73	36	0-67
Pentachlorophenol	200	0.00	180	90	72-127
1,4-Dichlorobenzene	100	0.00	71	71	38-103
N-Nitroso-di-n-propylami	100	0.00	92	92	64-115
1,2,4-Trichlorobenzene	100	0.00	84	84	45-108
Acenaphthene	100	0.00	83	83	65-109
2,4-Dinitrotoluene	100	0.00	87	87	68-120
Pyrene	100	0.00	89	89	71-125

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	200	70	35	6	40	10-54
2-Chlorophenol	200	150	75	0	40	57-101
4-Chloro-3-methylphenol	200	170	85	6	40	55-121
4-Nitrophenol	200	73	36	0	40	0-67
Pentachlorophenol	200	180	90	0	40	72-127
1,4-Dichlorobenzene	100	73	73	3	40	38-103
N-Nitroso-di-n-propylami	100	91	91	1	40	64-115
1,2,4-Trichlorobenzene	100	76	76	10	40	45-108
Acenaphthene	100	83	83	0	40	65-109
2,4-Dinitrotoluene	100	87	87	0	40	68-120
Pyrene	100	88	88	1	40	71-125

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32016 Date Analyzed: 09/16/06

Instrument ID: BNAMS4 Time Analyzed: 0014

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	116180	7.19	475176	8.97	641721	17.65
	UPPER LIMIT	232360	7.69	950352	9.47	1283442	18.15
	LOWER LIMIT	58090	6.69	237588	8.47	320860	17.15
	LABORATORY SAMPLE NO.						
01	WB255A	121800	7.17	466994	8.96	720413	17.63
02	768748	127159	7.18	458875	8.96	721021	17.63
03	768749	118590	7.17	433850	8.95	683726	17.63
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32016 Date Analyzed: 09/16/06

Instrument ID: BNAMS4 Time Analyzed: 0014

		IS4 (ANT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	326988		11.52		589422		13.65		691473		21.03	
	UPPER LIMIT	653976		12.02		1178844		14.15		1382946		21.53	
	LOWER LIMIT	163494		11.02		294711		13.15		345736		20.53	
	LABORATORY SAMPLE NO.												
01	WB255A	325496		11.51		578087		13.64		712562		21.00	
02	768748	309129		11.51		565951		13.64		702536		21.01	
03	768749	303105		11.50		526291		13.64		653143		21.00	
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Metals Forms and Data

Analytical Results Summary

Client ID: **MW01-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768745
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	ND	3.2		P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	10.3	1.6		P
Copper	4.5	3.7	B	P
Lead	3.2	2.7	B	P
Mercury	ND	0.10		CV
Nickel	38.2	2.4	B	P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	17.2	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768746
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	5.0	3.2	B	P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	5.8	1.6	B	P
Copper	3.7	3.7	B	P
Lead	14.1	2.7		P
Mercury	ND	0.10		CV
Nickel	28.9	2.4	B	P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	53.1	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05-060911D**
Site: **Sun Chemical SI**

Lab Sample No: 768747
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	4.1	3.2	B	P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	5.1	1.6	B	P
Copper	4.1	3.7	B	P
Lead	13.1	2.7		P
Mercury	0.12	0.10	B	CV
Nickel	29.0	2.4	B	P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	62.5	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW04-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768748
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	ND	3.2		P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	9.2	1.6	B	P
Copper	9.4	3.7	B	P
Lead	7.8	2.7		P
Mercury	ND	0.10		CV
Nickel	96.2	2.4		P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	35.4	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **FB-060911**
Site: **Sun Chemical SI**

Lab Sample No: 768749
Lab Job No: W881

Date Sampled: 09/11/06
Date Received: 09/11/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	5.8		P
Arsenic	ND	3.2		P
Beryllium	ND	0.30		P
Cadmium	ND	0.40		P
Chromium	ND	1.6		P
Copper	ND	3.7		P
Lead	ND	2.7		P
Mercury	ND	0.10		CV
Nickel	ND	2.4		P
Selenium	ND	4.2		P
Silver	ND	1.4		P
Thallium	ND	4.7		P
Zinc	ND	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W881 _____ Batch No.: 21280_

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	5.800	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	-3.750	B	P
Barium											NR
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	-0.304	B	P
Cadmium	0.4	U	-0.6	B	-0.7	B	-0.7	B	-1.089	B	P
Calcium											NR
Chromium	1.6	U	1.6	U	1.6	U	1.6	U	2.202	B	P
Cobalt											NR
Copper	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Iron	39.2	U	39.2	U	39.2	U	39.2	U	39.200	U	P
Lead	2.7	U	2.7	U	2.7	U	2.7	U	2.700	U	P
Magnesium											NR
Manganese	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Mercury	0.1	U	0.1	U	0.1	U			0.100	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	2.400	U	P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Silver	1.4	U	-1.7	B	1.4	U	1.4	U	-2.754	B	P
Sodium											NR
Thallium	4.7	U	4.7	U	4.7	U	4.7	U	4.700	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	5.800	U	P
Molybdenu	1.8	U	1.8	U	1.8	U	1.8	U	1.800	U	P

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W881 _____ Batch No.: 21280_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.8	U							P
Arsenic			3.2	U							P
Barium											NR
Beryllium			0.3	U							P
Cadmium			-0.8	B							P
Calcium											NR
Chromium			1.6	U							P
Cobalt											NR
Copper			3.7	U							P
Iron			39.2	U							P
Lead			2.8	B							P
Magnesium											NR
Manganese			1.2	U							P
Mercury											NR
Nickel			2.4	U							P
Potassium											NR
Selenium			4.2	U							P
Silver			1.4	U							P
Sodium											NR
Thallium			4.7	U							P
Vanadium											NR
Zinc			5.8	U							P
Molybdenu			1.8	U							P

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W881 _____ Batch No.: 21280_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U			P
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _W881 _____ Batch No.: 21280_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic			-3.4	B							P
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Molybdenu											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W881 Batch No.: 21280_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	1000.0	982.98	98.3	1000.0	1001.65	100.2	1001.31	100.1	P
Arsenic	5000.0	4908.01	98.2	5000.0	5029.43	100.6	5040.82	100.8	P
Barium									NR
Beryllium	1000.0	989.48	98.9	1000.0	1013.90	101.4	1020.07	102.0	P
Cadmium	2500.0	2453.07	98.1	2500.0	2493.18	99.7	2502.79	100.1	P
Calcium									NR
Chromium	5000.0	4902.19	98.0	5000.0	5046.87	100.9	5070.12	101.4	P
Cobalt									NR
Copper	12500.0	12282.68	98.3	12500.0	12535.12	100.3	12557.25	100.5	P
Iron	100000.0	98598.69	98.6	100000.0	101382.9	101.4	102067.0	102.1	P
Lead	10000.0	10029.73	100.3	10000.0	10160.28	101.6	10048.95	100.5	P
Magnesium									NR
Manganese	5000.0	4920.72	98.4	5000.0	5083.14	101.7	5113.13	102.3	P
Mercury	5.0	5.03	100.6	5.0	5.24	104.8	5.06	101.2	CV
Nickel	2500.0	2445.32	97.8	2500.0	2493.28	99.7	2498.62	99.9	P
Potassium									NR
Selenium	5000.0	4895.87	97.9	5000.0	5047.66	101.0	5059.57	101.2	P
Silver	1250.0	1240.00	99.2	1250.0	1261.20	100.9	1266.07	101.3	P
Sodium									NR
Thallium	5000.0	4926.06	98.5	5000.0	4997.94	100.0	5004.41	100.1	P
Vanadium									NR
Zinc	7500.0	7305.43	97.4	7500.0	7632.51	101.8	7710.29	102.8	P
Molybdenu	2500.0	2435.62	97.4	2500.0	2510.75	100.4	2533.21	101.3	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W881 Batch No.: 21280_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	1025.75	102.6	997.29	99.7	P
Arsenic				5000.0	5059.27	101.2	5010.12	100.2	P
Barium									NR
Beryllium				1000.0	1028.71	102.9	1023.34	102.3	P
Cadmium				2500.0	2512.63	100.5	2480.93	99.2	P
Calcium									NR
Chromium				5000.0	5102.72	102.1	5048.82	101.0	P
Cobalt									NR
Copper				12500.0	12710.44	101.7	12610.46	100.9	P
Iron				100000.0	102825.3	102.8	102200.0	102.2	P
Lead				10000.0	10084.28	100.8	9952.91	99.5	P
Magnesium									NR
Manganese				5000.0	5155.81	103.1	5114.75	102.3	P
Mercury									NR
Nickel				2500.0	2509.29	100.4	2462.61	98.5	P
Potassium									NR
Selenium				5000.0	5121.66	102.4	5073.50	101.5	P
Silver				1250.0	1277.80	102.2	1269.20	101.5	P
Sodium									NR
Thallium				5000.0	5006.52	100.1	4918.32	98.4	P
Vanadium									NR
Zinc				7500.0	7744.81	103.3	7653.55	102.0	P
Molybdenu				2500.0	2547.92	101.9	2528.59	101.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W881 Batch No.: 21280_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic	5000.0	4999.24	100.0	5000.0	5100.39	102.0	5012.40	100.2	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W881 Batch No.: 21280

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic				5000.0	5059.29	101.2	4960.30	99.2	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W881 Batch No.: 21280

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	503426	493156.4	98.6	516887	497779.5	99.6
Antimony		100		99.2	99.2		103.7	103.7
Arsenic		100		100.8	100.8		101.7	101.7
Barium		100		100.6	100.6		102.0	102.0
Beryllium		100		101.0	101.0		103.5	103.5
Cadmium		100		97.2	97.2		98.4	98.4
Calcium	500000	500000	507401	496673.7	99.3	519929	507464.6	101.5
Chromium		100		101.3	101.3		102.5	102.5
Cobalt		100		94.7	94.7		96.7	96.7
Copper		100		96.8	96.8		101.1	101.1
Iron	200000	200000	204976	200392.0	100.2	210064	204054.6	102.0
Lead		100		93.5	93.5		93.4	93.4
Magnesium	500000	500000	537695	523884.6	104.8	555930	538276.2	107.7
Manganese		100		98.6	98.6		100.8	100.8
Mercury								
Nickel		100		99.6	99.6		99.3	99.3
Potassium		10000		10038.6	100.4		10176.7	101.8
Selenium		100		95.2	95.2		100.6	100.6
Silver		100		101.4	101.4		104.9	104.9
Sodium		10000		10500.0	105.0		10436.3	104.4
Thallium		100		94.2	94.2		93.5	93.5
Vanadium		100		100.8	100.8		106.1	106.1
Zinc		100		112.8	112.8		111.2	111.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _W881 Batch No.: 21280_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	484720	471481.8	94.3	484597	471522.6	94.3
Antimony		100		92.8	92.8		97.9	97.9
Arsenic		100		97.0	97.0		94.1	94.1
Barium		100		100.9	100.9		101.8	101.8
Beryllium		100		96.3	96.3		96.1	96.1
Cadmium		100		95.1	95.1		93.7	93.7
Calcium	500000	500000	484683	470104.4	94.0	481084	468066.6	93.6
Chromium		100		98.1	98.1		97.2	97.2
Cobalt		100		95.3	95.3		93.8	93.8
Copper		100		101.4	101.4		105.0	105.0
Iron	200000	200000	199502	193193.0	96.6	198311	192767.8	96.4
Lead		100		98.0	98.0		99.3	99.3
Magnesium	500000	500000	530947	512194.4	102.4	530870	513248.2	102.6
Manganese		100		96.3	96.3		96.6	96.6
Mercury								
Nickel		100		98.1	98.1		96.9	96.9
Potassium		10000		10317.1	103.2		10288.8	102.9
Selenium		100		101.5	101.5		99.2	99.2
Silver		100		100.3	100.3		100.7	100.7
Sodium		10000		10366.9	103.7		10406.8	104.1
Thallium		100		99.6	99.6		87.6	87.6
Vanadium		100		94.7	94.7		94.2	94.2
Zinc		100		106.2	106.2		103.5	103.5

Spike Sample Recovery Summary

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO. 768288MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W881 Batch No.: 21280

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	461.6780		5.8000	U	500.00	92.3		P
Arsenic	80-120	2044.9770		3.2000	U	2000.00	102.2		P
Barium									NR
Beryllium	80-120	49.2310		0.3000	U	50.00	98.5		P
Cadmium	80-120	50.0170		0.4000	U	50.00	100.0		P
Calcium									NR
Chromium	80-120	197.7660		1.6000	U	200.00	98.9		P
Cobalt									NR
Copper	80-120	250.6990		8.0180	B	250.00	97.1		P
Iron	80-120	1463.9730		471.0000		1000.00	99.3		P
Lead	80-120	473.5850		2.7000	U	500.00	94.7		P
Magnesium									NR
Manganese	80-120	2006.9940		1515.9360		500.00	98.2		P
Mercury									NR
Nickel	80-120	499.3680		8.6780	B	500.00	98.1		P
Potassium									NR
Selenium	80-120	2001.8900		4.2000	U	2000.00	100.1		P
Silver	80-120	46.7040		1.4000	U	50.00	93.4		P
Sodium									NR
Thallium	80-120	2008.3140		4.7000	U	2000.00	100.4		P
Vanadium									NR
Zinc	80-120	694.8060		194.1570		500.00	100.1		P
Molybdenu	80-120	512.8770		1.8000	U	500.00	102.6		P

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

768722MS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: W881 Batch No.: 21280_

Matrix (soil/water): WATER_ Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	1.0300		0.1000	U	1.00	103.0		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

768288D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W881 Batch No.: 21280

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		5.8000	U	5.8000	U			P
Arsenic		3.2000	U	3.5260	B	200.0		P
Barium								NR
Beryllium		0.3000	U	0.3000	U			P
Cadmium		0.4000	U	0.4000	U			P
Calcium								NR
Chromium		1.6000	U	1.8680	B	200.0		P
Cobalt								NR
Copper		8.0180	B	8.2620	B	3.0		P
Iron	150.0	471.0000		500.1730		6.0		P
Lead		2.7000	U	3.9670	B	200.0		P
Magnesium								NR
Manganese		1515.9360		1529.4640		0.9		P
Mercury								NR
Nickel		8.6780	B	8.6210	B	0.7		P
Potassium								NR
Selenium		4.2000	U	4.2000	U			P
Silver		1.4000	U	1.4000	U			P
Sodium								NR
Thallium		4.7000	U	4.7000	U			P
Vanadium								NR
Zinc		194.1570		202.7810		4.3		P
Molybdenu		1.8000	U	1.8000	U			P

DUPLICATES

LAB SAMPLE NO.

768722D ___

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: __W881 _____ Batch No.: 21280_

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.1000	U	0.1000	U			CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Molybdenu								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W881 Batch No.: 21280

Solid LCS Source:

Aqueous LCS Source: INORG VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	500.0	481.94	96.4						
Arsenic	2000.0	2042.24	102.1						
Barium									
Beryllium	50.0	49.37	98.7						
Cadmium	50.0	50.89	101.8						
Calcium									
Chromium	200.0	201.06	100.5						
Cobalt									
Copper	250.0	239.78	95.9						
Iron	1000.0	1008.20	100.8						
Lead	500.0	495.78	99.2						
Magnesium									
Manganese	500.0	496.84	99.4						
Mercury	1.0	1.05	105.0						
Nickel	500.0	498.33	99.7						
Potassium									
Selenium	2000.0	2031.55	101.6						
Silver	50.0	45.54	91.1						
Sodium									
Thallium	2000.0	2057.52	102.9						
Vanadium									
Zinc	500.0	531.85	106.4						
Molybdenu	500.0	521.88	104.4						

Serial Dilution Summary

LAB SAMPLE NO.

768288L

ICP SERIAL DILUTION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: W881 Batch No.: 21280

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	5.80	U	29.00	U			P
Arsenic	3.20	U	16.00	U			P
Barium							NR
Beryllium	0.30	U	1.50	U			P
Cadmium	0.40	U	2.00	U			P
Calcium							NR
Chromium	1.60	U	8.00	U			P
Cobalt							NR
Copper	8.02	B	18.50	U	100.0		P
Iron	471.00		460.42	B	2.2		P
Lead	2.70	U	13.50	U			P
Magnesium							NR
Manganese	1515.94		1511.16		0.3		P
Mercury							NR
Nickel	8.68	B	12.59	B	45.0		P
Potassium							NR
Selenium	4.20	U	21.00	U			P
Silver	1.40	U	7.00	U			P
Sodium							NR
Thallium	4.70	U	23.50	U			P
Vanadium							NR
Zinc	194.16		194.80		0.3		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21280_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 09/13/06 End Date: 09/13/06

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	0922		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD02	1.00	0923		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD03	1.00	0925		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD04	1.00	0927		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD05	1.00	0928		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD06	1.00	0930		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICV/ACCV	1.00	0932		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICB/CCB	1.00	0933		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
BW091206	1.00	0935		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
LCSW	1.00	0937		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768722	1.00	0939		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768722D	1.00	0941		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768722MS	1.00	0943		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768745	1.00	0945		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768746	1.00	0947		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768747	1.00	0948		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	0950		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	0952		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768748	1.00	0954		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768749	1.00	0955		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768140	1.00	0957		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768141	1.00	0959		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768142	1.00	1001		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768288	1.00	1003		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
768620	1.00	1005		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1006		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1008		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21280_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/14/06 End Date: 09/14/06

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO					
3CAL-BLK	1.00	1807		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X					
T3CAL1	1.00	1813		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X					
T3CAL2	1.00	1818		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X					
T3CAL3	1.00	1824		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X					
ZZZZZZ	1.00	1830		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					
ICV/CCV	1.00	1835		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
ICB/CCB	1.00	1841		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
ICSA	1.00	1857		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
ICSAB	1.00	1903		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
ZZZZZZ	1.00	1910		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					
ZZZZZZ	1.00	1916		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					
ZZZZZZ	1.00	1921		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					
BW091206	1.00	1927		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
LCSW	1.00	1932		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
768288D	1.00	1938		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
768288	1.00	1944		_	_	X	_	_	X	_	X	_	X	_	_	_	_	_	X	_	_	X	_	_	_	X	_					
768288L	1.00	1949		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
CCV	1.00	1955		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
CCB	1.00	2000		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
768288MS	1.00	2006		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
ZZZZZZ	1.00	2012		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					
768745	1.00	2017		_	_	X	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
768746	1.00	2023		_	_	X	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
768747	1.00	2028		_	_	X	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
768748	1.00	2034		_	_	X	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
768749	1.00	2040		_	_	X	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
768140	1.00	2045		_	_	X	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
768141	1.00	2051		_	_	X	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
768142	1.00	2056		_	_	_	_	X	X	_	X	_	X	_	_	_	_	_	X	_	X	X	_	X	_	X	_					
CCV	1.00	2102		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
CCB	1.00	2108		_	_	X	_	X	X	_	X	_	X	X	_	_	X	_	X	_	X	X	_	X	_	X	X					
768620	1.00	2113		_	_	X	_	_	X	_	X	_	X	_	_	_	_	_	X	_	_	X	_	_	_	X	_					
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21280_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/14/06 End Date: 09/14/06

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
768722	1.00	2119				X		X	X		X		X						X			X				X	X
768187	1.00	2124												X			X									X	
768189	1.00	2130												X			X									X	
768190	1.00	2136												X			X									X	
768191	1.00	2141												X			X									X	
768192	1.00	2147												X			X									X	
768193	1.00	2152												X			X									X	
768194	1.00	2158												X			X									X	
ZZZZZZ	1.00	2204																									
CCV	1.00	2209				X		X	X		X		X	X			X		X		X	X		X		X	X
CCB	1.00	2215				X		X	X		X		X	X			X		X		X	X		X		X	X
ZZZZZZ	1.00	2220																									
ZZZZZZ	1.00	2226																									
ICSA	1.00	2232				X		X	X		X		X	X			X		X		X	X		X		X	X
ICSAB	1.00	2237				X		X	X		X		X	X			X		X		X	X		X		X	X
CCV	1.00	2243				X		X	X		X		X	X			X		X		X	X		X		X	X
CCB	1.00	2248				X		X	X		X		X	X			X		X		X	X		X		X	X

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21280_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/16/06 End Date: 09/16/06

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1759		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X
T3CAL1	1.00	1805		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1810		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1816		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1822		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1827		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ICB/CCB	1.00	1837		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ICSA	1.00	1842		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ICSAB	1.00	1848		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1853		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1859		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1905		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1912		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1918		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1923		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1929		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1935		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1940		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
CCB	1.00	1946		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1951		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1957		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	2003		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
BW091206	1.00	2008		_	X	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
LCSW	1.00	2014		_	X	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
768288D	1.00	2019		_	X	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
768288	1.00	2025		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
768288L	1.00	2031		_	X	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
768288MS	1.00	2036		_	X	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
768745	1.00	2042		_	X	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	2047		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
CCB	1.00	2053		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
768746	1.00	2059		_	X	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21280_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 09/16/06 End Date: 09/16/06

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
768747	1.00	2104			X										X												
768748	1.00	2110			X										X												
768749	1.00	2115			X										X												
768140	1.00	2121			X										X												
768141	1.00	2127			X										X												
768142	1.00	2132			X	X									X												
768620	1.00	2138													X												
768722	1.00	2143													X												
768569	1.00	2149													X												
CCV	1.00	2155			X	X									X												
CCB	1.00	2200			X	X									X												
768570	1.00	2206													X												
768556	1.00	2211													X												
ICSA	1.00	2217			X	X									X												
ICSAB	1.00	2223			X	X									X												
CCV	1.00	2228			X	X									X												
CCB	1.00	2234			X	X									X												

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STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

10/31/2006

Environ Corporation, Inc.
214 Carnegie Center, Suite 200
Princeton, NJ 08540

Attention: Mr. Bill Kraft

Laboratory Results
Job No. X924 - Sun Chemical SI

Dear Mr. Kraft:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 4, 2006.

Lab No.	Client ID	Analysis Required
775267	B201-SS01	TCL BN+15
775268	B201-SS02	TCL BN+15
775269	B202-SS01	TCL BN+15
775270	B202-SS02	TCL BN+15
775271	B202-SS03	TCL BN+15
775272	B1407-SS01	TCL VOA+10 TCL BN+15 PCBs PP Metals +Ba
775273	B1407-SS02	TCL VOA+10 TCL BN+15 PCBs PP Metals +Ba
775274	B1407-SS03	TCL BN+15 PP Metals +Ba
775275	B105-SS01	TCL VOA+10 PP Metals +Ba
775276	B105-SS02	TCL VOA+10

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Laboratory Results
Job No. X924 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		PP Metals +Ba
775278	B1410-SS01	TCL BN+15
		PCBs
		PP Metals +Ba
775279	B1410-SS02	TCL BN+15
		PCBs
		PP Metals +Ba
775280	B1410-SS03	TCL BN+15
		PP Metals +Ba
775281	B1408-SS01	TCL BN+15
		PCBs
		PP Metals +Ba
775282	B1408-SS02	TCL BN+15
		PCBs
		PP Metals +Ba
775283	B1408-SS02D	TCL BN+15
		PCBs
		PP Metals +Ba
775284	B1408-SS03	TCL BN+15

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Laboratory Results
Job No. X924 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		PP Metals +Ba
775285	B1405-SS01	TCL BN+15
		PCBs
		PP Metals +Ba
775286	B1405-SS02	TCL BN+15
		PCBs
		PP Metals +Ba
775288	B1406-SS01	TCL BN+15
		PCBs
		PP Metals +Ba
775289	B1406-SS02	TCL BN+15
		PCBs
		PP Metals +Ba
775290	B1406-SS03	PCBs
		PP Metals +Ba
775291	B1411-SS01	TCL BN+15
		PCBs
		PP Metals +Ba
775292	B1411-SS02	TCL BN+15
		PCBs

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Laboratory Results
Job No. X924 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		PP Metals +Ba
775294	B106-SS01	TCL VOA+10
		TCL BN+15
		PP Metals +Ba
775295	B106-SS02	TCL VOA+10
		TCL BN+15
		PP Metals +Ba
775297	B104-SS01	PP Metals +Ba
775298	B104-SS02	PP Metals +Ba
775299	B103-SS01	PP Metals +Ba
775300	B703-SS01	PP Metals +Ba
775301	B703-SS02	PP Metals +Ba

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Laboratory Results
Job No. X924 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
775302	B401-SS01	PP Metals +Ba

If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael Urban
Laboratory Manager

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Analytical Results Summary

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43917.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.1
Bromomethane	ND	5.1
Vinyl Chloride	ND	5.1
Chloroethane	ND	5.1
Methylene Chloride	ND	3.1
Acetone	66 B	5.1
Carbon Disulfide	ND	5.1
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
cis-1,2-Dichloroethene	14	5.1
Chloroform	ND	5.1
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.1
1,1,1-Trichloroethane	ND	5.1
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.1
Trichloroethene	0.9J	1.0
Dibromochloromethane	ND	5.1
1,1,2-Trichloroethane	ND	3.1
Benzene	2.4	1.0
trans-1,3-Dichloropropene	ND	5.1
Bromoform	ND	4.1
4-Methyl-2-Pentanone	ND	5.1
2-Hexanone	ND	5.1
Tetrachloroethene	0.9J	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	3.0J	5.1
Chlorobenzene	ND	5.1
Ethylbenzene	7.8	4.1
Styrene	ND	5.1
Xylene (Total)	110	5.1

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43917.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 8.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Hydrocarbon	13.02	520	
2.	Unknown Alkane	13.33	930	
3.	C10H22 Alkane	13.56	870	
4.	C10H20 Cycloalkane	13.89	440	
5.	Trimethylbenzene isomer	14.11	2100	
6.	C11H24 Alkane/C9H12 Aromatic	14.37	1500	
7.	Unknown Alkane	14.77	1400	
8.	Unknown Alkane/C9H12 Aromatic	15.03	1400	
9.	C9H10 Aromatic/C10H14 Aromatic	15.33	500	
10.	Decahydronaphthalene isomer	15.48	470	
11.				
12.				
13.				
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TOTAL ESTIMATED CONCENTRATION 10130

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43942.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.7
Acetone	ND	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.7
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.6
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.6
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43942.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 14.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B105-SS01**
Site: Sun Chemical SI

Lab Sample No: **775275**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43919.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Acetone	56 B	5.5
Carbon Disulfide	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	4.2J	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.5
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	5.3	1.1
trans-1,3-Dichloropropene	ND	5.5
Bromoform	ND	4.4
4-Methyl-2-Pentanone	ND	5.5
2-Hexanone	ND	5.5
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	0.9J	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	2.5J	4.4
Styrene	ND	5.5
Xylene (Total)	12	5.5

Client ID: **B105-SS01**
Site: Sun Chemical SI

Lab Sample No: **775275**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43919.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 18.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H20 Cycloalkane/C9H12 Aromatic	14.10	460	
2.	C11H24 Alkane/C9H12 Aromatic	14.37	300	
3.	Trimethylbenzene isomer	14.54	270	
4.	C10H20 Cycloalkane/C10H14 Aromatic	14.82	630	
5.	Decahydronaphthalene isomer	15.49	320	
6.	Tetramethylbenzene isomer	15.74	420	
7.	Methyl-methylethylbenzene isomer	15.83	400	
8.	Coeluting Aromatics	16.02	360	
9.	Coeluting Aromatics	16.28	330	
10.	Tetramethylbenzene isomer	17.09	570	
11.				
12.				
13.				
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29.				
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TOTAL ESTIMATED CONCENTRATION	4060

Client ID: **B105-SS02**
Site: Sun Chemical SI

Lab Sample No: **775276**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43920.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.9
Bromomethane	ND	5.9
Vinyl Chloride	ND	5.9
Chloroethane	ND	5.9
Methylene Chloride	ND	3.6
Acetone	70 B	5.9
Carbon Disulfide	ND	5.9
1,1-Dichloroethene	ND	2.4
1,1-Dichloroethane	1.2J	5.9
trans-1,2-Dichloroethene	ND	5.9
cis-1,2-Dichloroethene	ND	5.9
Chloroform	ND	5.9
1,2-Dichloroethane	ND	2.4
2-Butanone	ND	5.9
1,1,1-Trichloroethane	ND	5.9
Carbon Tetrachloride	ND	2.4
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	5.9
Trichloroethene	ND	1.2
Dibromochloromethane	ND	5.9
1,1,2-Trichloroethane	ND	3.6
Benzene	2.0	1.2
trans-1,3-Dichloropropene	ND	5.9
Bromoform	ND	4.7
4-Methyl-2-Pentanone	ND	5.9
2-Hexanone	ND	5.9
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	5.9
Chlorobenzene	ND	5.9
Ethylbenzene	2.3J	4.7
Styrene	ND	5.9
Xylene (Total)	9.3	5.9

Client ID: **B105-SS02**
Site: Sun Chemical SI

Lab Sample No: **775276**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43920.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 18.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	13.54	470	
2.	C10H20 Cycloalkane	14.10	1000	
3.	C11H24 Alkane/Unknown Aromatic	14.38	1400	
4.	Trimethylbenzene isomer	14.54	590	
5.	C10H20 Cycloalkane	14.82	1800	
6.	Decahydronaphthalene isomer	15.49	1100	
7.	Methylpropylbenzene isomer	15.61	660	
8.	Unknown	15.74	660	
9.	Ethyldimethylbenzene isomer	15.83	590	
10.	Ethyldimethylbenzene isomer	17.09	430	
11.				
12.				
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TOTAL ESTIMATED CONCENTRATION 8700

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43922.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.2
Acetone	24 B	5.4
Carbon Disulfide	ND	5.4
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.4
1,1,1-Trichloroethane	1.2J	5.4
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	0.8J	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.2
Benzene	2.2	1.1
trans-1,3-Dichloropropene	ND	5.4
Bromoform	ND	4.3
4-Methyl-2-Pentanone	ND	5.4
2-Hexanone	ND	5.4
Tetrachloroethene	2.9	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	4.6J	5.4
Chlorobenzene	1.7J	5.4
Ethylbenzene	12	4.3
Styrene	ND	5.4
Xylene (Total)	95	5.4

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43922.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 11.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane/C9H12 Aromatic	14.05	100	
2.	Trimethylbenzene isomer	14.36	74	
3.	Trimethylbenzene isomer	14.54	100	
4.	C10H14 Aromatic/Unknown	14.82	60	
5.	C11H24 Alkane	15.39	66	
6.	Methyl-methylethylbenzene isomer	15.73	63	
7.	Methyl-methylethylbenzene isomer	15.82	67	
8.	Coeluting Aromatics	16.02	80	
9.	C12H26 Alkane	16.83	69	
10.	Tetramethylbenzene isomer/Unknown Alka	17.08	110	
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12.				
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27.				
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30.				

TOTAL ESTIMATED CONCENTRATION	789

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43946.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.7
Bromomethane	ND	4.7
Vinyl Chloride	ND	4.7
Chloroethane	ND	4.7
Methylene Chloride	ND	2.8
Acetone	ND	4.7
Carbon Disulfide	ND	4.7
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
1,2-Dichloroethane	ND	1.9
2-Butanone	ND	4.7
1,1,1-Trichloroethane	ND	4.7
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.7
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.7
1,1,2-Trichloroethane	ND	2.8
Benzene	0.8J	0.9
trans-1,3-Dichloropropene	ND	4.7
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.7
2-Hexanone	ND	4.7
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.7
Chlorobenzene	ND	4.7
Ethylbenzene	ND	3.7
Styrene	ND	4.7
Xylene (Total)	1.2J	4.7

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43946.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 14.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B201-SS01**
Site: Sun Chemical SI

Lab Sample No: **775267**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30701.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	180
1,3-Dichlorobenzene	ND	1800
1,4-Dichlorobenzene	ND	1800
1,2-Dichlorobenzene	ND	1800
bis(2-chloroisopropyl)ether	ND	1800
N-Nitroso-di-n-propylamine	ND	180
Hexachloroethane	ND	180
Nitrobenzene	ND	180
Isophorone	ND	1800
bis(2-Chloroethoxy)methane	ND	1800
1,2,4-Trichlorobenzene	ND	180
Naphthalene	110 J	1800
4-Chloroaniline	ND	1800
Hexachlorobutadiene	ND	360
2-Methylnaphthalene	170 J	1800
Hexachlorocyclopentadiene	ND	1800
2-Chloronaphthalene	ND	1800
2-Nitroaniline	ND	3600
Dimethylphthalate	ND	1800
Acenaphthylene	ND	1800
2,6-Dinitrotoluene	ND	360
3-Nitroaniline	ND	3600
Acenaphthene	45 J	1800
Dibenzofuran	37 J	1800
2,4-Dinitrotoluene	ND	360
Diethylphthalate	ND	1800
4-Chlorophenyl-phenylether	ND	1800
Fluorene	64 J	1800
4-Nitroaniline	ND	3600
N-Nitrosodiphenylamine	ND	1800
4-Bromophenyl-phenylether	ND	1800
Hexachlorobenzene	ND	180
Phenanthrene	310 J	1800
Anthracene	ND	1800

Client ID: **B201-SS01**
Site: Sun Chemical SI

Lab Sample No: **775267**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30701.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	1800
Di-n-butylphthalate	ND	1800
Fluoranthene	230 J	1800
Pyrene	510 J	1800
Butylbenzylphthalate	ND	1800
3,3'-Dichlorobenzidine	ND	3600
Benzo(a)anthracene	200	180
Chrysene	350 J	1800
bis(2-Ethylhexyl)phthalate	1100 J	1800
Di-n-octylphthalate	ND	1800
Benzo(b)fluoranthene	ND	180
Benzo(k)fluoranthene	ND	180
Benzo(a)pyrene	ND	180
Indeno(1,2,3-cd)pyrene	ND	180
Dibenz(a,h)anthracene	ND	180
Benzo(g,h,i)perylene	ND	1800

Client ID: **B201-SS01**
Site: Sun Chemical SI

Lab Sample No: **775267**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30701.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	16.17	3400	
2.	Unknown	16.50	1600	
3.	Unknown Alkane	16.59	2500	
4.	Unknown Alkane	17.58	3000	
5.	Unknown	17.92	2400	
6.	Unknown	18.60	1600	
7.	Unknown	18.62	1600	
8.	Unknown	19.09	1500	
9.	Unknown	19.17	2000	
10.	Unknown	24.60	3600	
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TOTAL ESTIMATED CONCENTRATION 23200

Client ID: **B202-SS01**
Site: Sun Chemical SI

Lab Sample No: **775269**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30700.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	180
1,3-Dichlorobenzene	ND	1800
1,4-Dichlorobenzene	ND	1800
1,2-Dichlorobenzene	ND	1800
bis(2-chloroisopropyl)ether	ND	1800
N-Nitroso-di-n-propylamine	ND	180
Hexachloroethane	ND	180
Nitrobenzene	ND	180
Isophorone	ND	1800
bis(2-Chloroethoxy)methane	ND	1800
1,2,4-Trichlorobenzene	ND	180
Naphthalene	ND	1800
4-Chloroaniline	ND	1800
Hexachlorobutadiene	ND	360
2-Methylnaphthalene	ND	1800
Hexachlorocyclopentadiene	ND	1800
2-Chloronaphthalene	ND	1800
2-Nitroaniline	ND	3600
Dimethylphthalate	ND	1800
Acenaphthylene	180 J	1800
2,6-Dinitrotoluene	ND	360
3-Nitroaniline	ND	3600
Acenaphthene	58 J	1800
Dibenzofuran	ND	1800
2,4-Dinitrotoluene	ND	360
Diethylphthalate	ND	1800
4-Chlorophenyl-phenylether	ND	1800
Fluorene	60 J	1800
4-Nitroaniline	ND	3600
N-Nitrosodiphenylamine	ND	1800
4-Bromophenyl-phenylether	ND	1800
Hexachlorobenzene	ND	180
Phenanthrene	840 J	1800
Anthracene	330 J	1800

Client ID: **B202-SS01**
Site: Sun Chemical SI

Lab Sample No: **775269**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30700.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	1800
Di-n-butylphthalate	ND	1800
Fluoranthene	1800 J	1800
Pyrene	3200	1800
Butylbenzylphthalate	ND	1800
3,3'-Dichlorobenzidine	ND	3600
Benzo(a)anthracene	1500	180
Chrysene	1400 J	1800
bis(2-Ethylhexyl)phthalate	ND	1800
Di-n-octylphthalate	ND	1800
Benzo(b)fluoranthene	1100	180
Benzo(k)fluoranthene	1600	180
Benzo(a)pyrene	1500	180
Indeno(1,2,3-cd)pyrene	350	180
Dibenz(a,h)anthracene	ND	180
Benzo(g,h,i)perylene	320 J	1800

Client ID: **B202-SS01**
Site: Sun Chemical SI

Lab Sample No: **775269**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30700.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C20H12 PAH	21.48	1500	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 1500

Client ID: **B202-SS02**
Site: Sun Chemical SI

Lab Sample No: **775270**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30699.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	220 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	110 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	430	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	54 J	380
Dibenzofuran	91 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	59 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	800	380
Anthracene	340 J	380

Client ID: **B202-SS02**
Site: Sun Chemical SI

Lab Sample No: **775270**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30699.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	160 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	1700	380
Pyrene	1800	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	1000	38
Chrysene	1500	380
bis(2-Ethylhexyl)phthalate	120 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	1800	38
Benzo(k)fluoranthene	2000	38
Benzo(a)pyrene	1100	38
Indeno(1,2,3-cd)pyrene	400	38
Dibenz(a,h)anthracene	170	38
Benzo(g,h,i)perylene	330 J	380

Client ID: **B202-SS02**
Site: Sun Chemical SI

Lab Sample No: **775270**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30699.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.78	360	
2.	C15H12 PAH	14.91	480	
3.	C17H12 PAH	16.44	320	
4.	C17H12 PAH	16.61	580	
5.	C17H12 PAH	16.77	460	
6.	C17H12 PAH	16.92	310	
7.	C17H10O Ketone	17.45	420	
8.	Benzo(b)naphthothiophene isomer	17.64	430	
9.	C17H10O Ketone	17.81	310	
10.	C19H14 PAH	18.97	590	
11.	Unknown Alkane	20.62	830	
12.	C20H12 PAH	20.71	3100	
13.	C20H12 PAH	21.51	1800	
14.	Unknown Alkane	22.80	1100	
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	11090

Client ID: **B202-SS03**
Site: Sun Chemical SI

Lab Sample No: **775271**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30884.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **B202-SS03**
Site: Sun Chemical SI

Lab Sample No: **775271**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30884.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	89 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B202-SS03**
Site: Sun Chemical SI

Lab Sample No: **775271**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30884.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30728.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5000.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	180000
1,3-Dichlorobenzene	ND	1800000
1,4-Dichlorobenzene	ND	1800000
1,2-Dichlorobenzene	ND	1800000
bis(2-chloroisopropyl)ether	ND	1800000
N-Nitroso-di-n-propylamine	ND	180000
Hexachloroethane	ND	180000
Nitrobenzene	ND	180000
Isophorone	ND	1800000
bis(2-Chloroethoxy)methane	ND	1800000
1,2,4-Trichlorobenzene	ND	180000
Naphthalene	ND	1800000
4-Chloroaniline	ND	1800000
Hexachlorobutadiene	ND	360000
2-Methylnaphthalene	ND	1800000
Hexachlorocyclopentadiene	ND	1800000
2-Chloronaphthalene	ND	1800000
2-Nitroaniline	ND	3600000
Dimethylphthalate	ND	1800000
Acenaphthylene	ND	1800000
2,6-Dinitrotoluene	ND	360000
3-Nitroaniline	ND	3600000
Acenaphthene	ND	1800000
Dibenzofuran	ND	1800000
2,4-Dinitrotoluene	ND	360000
Diethylphthalate	ND	1800000
4-Chlorophenyl-phenylether	ND	1800000
Fluorene	ND	1800000
4-Nitroaniline	ND	3600000
N-Nitrosodiphenylamine	ND	1800000
4-Bromophenyl-phenylether	ND	1800000
Hexachlorobenzene	ND	180000
Phenanthrene	ND	1800000
Anthracene	ND	1800000

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30728.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5000.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	1800000
Di-n-butylphthalate	ND	1800000
Fluoranthene	ND	1800000
Pyrene	ND	1800000
Butylbenzylphthalate	ND	1800000
3,3'-Dichlorobenzidine	ND	3600000
Benzo(a)anthracene	ND	180000
Chrysene	ND	1800000
bis(2-Ethylhexyl)phthalate	20000000	1800000
Di-n-octylphthalate	ND	1800000
Benzo(b)fluoranthene	ND	180000
Benzo(k)fluoranthene	ND	180000
Benzo(a)pyrene	ND	180000
Indeno(1,2,3-cd)pyrene	ND	180000
Dibenz(a,h)anthracene	ND	180000
Benzo(g,h,i)perylene	ND	1800000

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30728.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5000.0
% Moisture: 8.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30697.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	26 J	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	78
2-Methylnaphthalene	98 J	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	780
Dimethylphthalate	ND	390
Acenaphthylene	35 J	390
2,6-Dinitrotoluene	ND	78
3-Nitroaniline	ND	780
Acenaphthene	440	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	270 J	390
4-Nitroaniline	ND	780
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	4600	390
Anthracene	860	390

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30697.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	22 J	390
Di-n-butylphthalate	ND	390
Fluoranthene	2400	390
Pyrene	4800	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	2100	39
Chrysene	2800	390
bis(2-Ethylhexyl)phthalate	830	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	1300	39
Benzo(k)fluoranthene	1500	39
Benzo(a)pyrene	1700	39
Indeno(1,2,3-cd)pyrene	370	39
Dibenz(a,h)anthracene	230	39
Benzo(g,h,i)perylene	420	390

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30697.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.74	1600	
2.	C15H12 PAH	14.79	1700	
3.	C15H12 PAH	14.93	2300	
4.	C15H12 PAH	14.96	1900	
5.	C16H12 PAH	15.16	1600	
6.	Unknown	15.39	1800	
7.	C16H14 PAH	15.57	1200	
8.	C16H14 PAH	15.65	1600	
9.	Phenanthrene, 1-methyl-7-(1-methylethy	16.57	4300	
10.	C17H12 PAH	16.62	1400	
11.	Unknown	16.76	1300	
12.	C17H12 PAH	16.94	1100	
13.	C17H12 PAH	16.98	1100	
14.	C19H14 PAH	18.97	2200	
15.	C20H12 PAH	20.72	4600	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 29700

Client ID: **B1407-SS03**
Site: Sun Chemical SI

Lab Sample No: **775274**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30886.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	370
1,3-Dichlorobenzene	ND	3700
1,4-Dichlorobenzene	ND	3700
1,2-Dichlorobenzene	ND	3700
bis(2-chloroisopropyl)ether	ND	3700
N-Nitroso-di-n-propylamine	ND	370
Hexachloroethane	ND	370
Nitrobenzene	ND	370
Isophorone	ND	3700
bis(2-Chloroethoxy)methane	ND	3700
1,2,4-Trichlorobenzene	ND	370
Naphthalene	ND	3700
4-Chloroaniline	ND	3700
Hexachlorobutadiene	ND	750
2-Methylnaphthalene	ND	3700
Hexachlorocyclopentadiene	ND	3700
2-Chloronaphthalene	ND	3700
2-Nitroaniline	ND	7500
Dimethylphthalate	ND	3700
Acenaphthylene	ND	3700
2,6-Dinitrotoluene	ND	750
3-Nitroaniline	ND	7500
Acenaphthene	ND	3700
Dibenzofuran	ND	3700
2,4-Dinitrotoluene	ND	750
Diethylphthalate	ND	3700
4-Chlorophenyl-phenylether	ND	3700
Fluorene	ND	3700
4-Nitroaniline	ND	7500
N-Nitrosodiphenylamine	ND	3700
4-Bromophenyl-phenylether	ND	3700
Hexachlorobenzene	ND	370
Phenanthrene	ND	3700
Anthracene	ND	3700

Client ID: **B1407-SS03**
Site: Sun Chemical SI

Lab Sample No: **775274**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30886.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3700
Di-n-butylphthalate	ND	3700
Fluoranthene	ND	3700
Pyrene	ND	3700
Butylbenzylphthalate	ND	3700
3,3'-Dichlorobenzidine	ND	7500
Benzo(a)anthracene	ND	370
Chrysene	ND	3700
bis(2-Ethylhexyl)phthalate	40000	3700
Di-n-octylphthalate	ND	3700
Benzo(b)fluoranthene	ND	370
Benzo(k)fluoranthene	ND	370
Benzo(a)pyrene	ND	370
Indeno(1,2,3-cd)pyrene	ND	370
Dibenz(a,h)anthracene	ND	370
Benzo(g,h,i)perylene	ND	3700

Client ID: **B1407-SS03**
Site: Sun Chemical SI

Lab Sample No: **775274**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30886.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 10.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample No: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30734.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	73 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	120 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	34 J	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	11 J	380
Dibenzofuran	10 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	15 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	230 J	380
Anthracene	41 J	380

Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample No: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30734.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	37 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	450	380
Pyrene	530	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	44 J	770
Benzo(a)anthracene	200	38
Chrysene	250 J	380
bis(2-Ethylhexyl)phthalate	490	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	230	38
Benzo(k)fluoranthene	310	38
Benzo(a)pyrene	210	38
Indeno(1,2,3-cd)pyrene	55	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	73 J	380

Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample No: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30734.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.5

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	7.05	680	
2.	Unknown Alkane	9.16	490	
3.	Unknown	9.62	320	
4.	Unknown Alkane	9.80	460	
5.	Unknown Alkane	10.03	680	
6.	Dibromophenol Isomer	10.69	310	
7.	Unknown Alkane	10.84	490	
8.	Unknown Alkane	11.32	520	
9.	Unknown	17.53	580	
10.	Unknown	18.88	540	
11.	Unknown	20.05	890	
12.	Unknown Alkane	20.52	840	
13.	Unknown	20.62	1600	
14.	Unknown Alkane	22.66	810	
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TOTAL ESTIMATED CONCENTRATION 9210

Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample No: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30695.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	29 J	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	79
2-Methylnaphthalene	14 J	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	790
Dimethylphthalate	ND	390
Acenaphthylene	36 J	390
2,6-Dinitrotoluene	ND	79
3-Nitroaniline	ND	790
Acenaphthene	29 J	390
Dibenzofuran	20 J	390
2,4-Dinitrotoluene	ND	79
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	33 J	390
4-Nitroaniline	ND	790
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	540	390
Anthracene	120 J	390

Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample No: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30695.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	63 J	390
Di-n-butylphthalate	ND	390
Fluoranthene	900	390
Pyrene	1000	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	790
Benzo(a)anthracene	500	39
Chrysene	560	390
bis(2-Ethylhexyl)phthalate	100 J	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	330	39
Benzo(k)fluoranthene	470	39
Benzo(a)pyrene	470	39
Indeno(1,2,3-cd)pyrene	180	39
Dibenz(a,h)anthracene	61	39
Benzo(g,h,i)perylene	190 J	390

Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample No: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30695.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	17.60	400	
2.	C19H14 PAH/Unknown	18.96	440	
3.	Unknown Alkane	20.62	500	
4.	C20H12 PAH	20.71	1900	
5.	C20H12 PAH	21.48	370	
6.	Unknown Alkane	22.79	700	
7.	Unknown	22.96	440	
8.	Unknown	25.53	370	
9.				
10.				
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TOTAL ESTIMATED CONCENTRATION 5120

Client ID: **B1410-SS03**
Site: Sun Chemical SI

Lab Sample No: **775280**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30887.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	78
2-Methylnaphthalene	ND	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	780
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	78
3-Nitroaniline	ND	780
Acenaphthene	ND	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
4-Nitroaniline	ND	780
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	ND	390
Anthracene	ND	390

Client ID: **B1410-SS03**
Site: Sun Chemical SI

Lab Sample No: **775280**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30887.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	ND	390
Pyrene	ND	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	ND	39
Chrysene	ND	390
bis(2-Ethylhexyl)phthalate	92 J	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	ND	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	ND	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	ND	390

Client ID: **B1410-SS03**
Site: Sun Chemical SI

Lab Sample No: **775280**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30887.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample No: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30714.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 50.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	2000
1,3-Dichlorobenzene	ND	20000
1,4-Dichlorobenzene	ND	20000
1,2-Dichlorobenzene	ND	20000
bis(2-chloroisopropyl)ether	ND	20000
N-Nitroso-di-n-propylamine	ND	2000
Hexachloroethane	ND	2000
Nitrobenzene	ND	2000
Isophorone	ND	20000
bis(2-Chloroethoxy)methane	ND	20000
1,2,4-Trichlorobenzene	ND	2000
Naphthalene	1200 J	20000
4-Chloroaniline	ND	20000
Hexachlorobutadiene	ND	3900
2-Methylnaphthalene	1100 J	20000
Hexachlorocyclopentadiene	ND	20000
2-Chloronaphthalene	ND	20000
2-Nitroaniline	ND	39000
Dimethylphthalate	ND	20000
Acenaphthylene	3900 J	20000
2,6-Dinitrotoluene	ND	3900
3-Nitroaniline	ND	39000
Acenaphthene	5600 J	20000
Dibenzofuran	7200 J	20000
2,4-Dinitrotoluene	ND	3900
Diethylphthalate	ND	20000
4-Chlorophenyl-phenylether	ND	20000
Fluorene	14000 J	20000
4-Nitroaniline	ND	39000
N-Nitrosodiphenylamine	ND	20000
4-Bromophenyl-phenylether	ND	20000
Hexachlorobenzene	ND	2000
Phenanthrene	160000	20000
Anthracene	41000	20000

Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample No: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30714.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 50.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	7500 J	20000
Di-n-butylphthalate	ND	20000
Fluoranthene	190000	20000
Pyrene	160000	20000
Butylbenzylphthalate	ND	20000
3,3'-Dichlorobenzidine	ND	39000
Benzo(a)anthracene	93000	2000
Chrysene	83000	20000
bis(2-Ethylhexyl)phthalate	7700 J	20000
Di-n-octylphthalate	ND	20000
Benzo(b)fluoranthene	60000	2000
Benzo(k)fluoranthene	89000	2000
Benzo(a)pyrene	74000	2000
Indeno(1,2,3-cd)pyrene	29000	2000
Dibenz(a,h)anthracene	13000	2000
Benzo(g,h,i)perylene	26000	20000

Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample No: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30714.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 50.0
% Moisture: 15.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.75	27000	
2.	C15H10 PAH	14.90	53000	
3.	C16H10O Ketone	16.25	18000	
4.	C16H10O Ketone	16.40	18000	
5.	C17H12 PAH	16.58	38000	
6.	C17H12 PAH	16.67	22000	
7.	C17H12 PAH	16.74	20000	
8.	C17H12 PAH	16.88	17000	
9.	Unknown	17.01	20000	
10.	Unknown	17.07	45000	
11.	Benzo(b)naphthothiophene isomer	17.61	19000	
12.	C18H10 PAH	17.71	19000	
13.	C19H14 PAH	18.93	21000	
14.	C20H12 PAH	21.44	64000	
15.	C20H12 PAH	21.86	33000	
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TOTAL ESTIMATED CONCENTRATION 434000

Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample No: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30690.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	31 J	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	79
2-Methylnaphthalene	12 J	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	790
Dimethylphthalate	ND	400
Acenaphthylene	20 J	400
2,6-Dinitrotoluene	ND	79
3-Nitroaniline	ND	790
Acenaphthene	11 J	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	79
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	ND	400
4-Nitroaniline	ND	790
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	110 J	400
Anthracene	24 J	400

Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample No: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30690.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	12 J	400
Di-n-butylphthalate	ND	400
Fluoranthene	210 J	400
Pyrene	200 J	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	790
Benzo(a)anthracene	110	40
Chrysene	140 J	400
bis(2-Ethylhexyl)phthalate	120 J	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	96	40
Benzo(k)fluoranthene	110	40
Benzo(a)pyrene	100	40
Indeno(1,2,3-cd)pyrene	64	40
Dibenz(a,h)anthracene	17 J	40
Benzo(g,h,i)perylene	57 J	400

Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample No: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30690.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Organic Acid	17.01	320	
2.	Unknown	17.05	430	
3.	Unknown	17.10	890	
4.	Unknown	17.60	550	
5.	Unknown	18.97	710	
6.	Unknown	20.15	510	
7.	Unknown Alkane	20.62	460	
8.	Unknown Alkane	22.79	400	
9.	Unknown	22.97	390	
10.	Unknown	25.54	340	
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TOTAL ESTIMATED CONCENTRATION 5000

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample No: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30696.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	37 J	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	16 J	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	24 J	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	16 J	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	9.4J	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	81 J	400
Anthracene	21 J	400

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample No: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30696.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	15 J	400
Di-n-butylphthalate	ND	400
Fluoranthene	210 J	400
Pyrene	200 J	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	120	40
Chrysene	150 J	400
bis(2-Ethylhexyl)phthalate	210 J	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	ND	40
Benzo(k)fluoranthene	ND	40
Benzo(a)pyrene	140	40
Indeno(1,2,3-cd)pyrene	61	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	64 J	400

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample No: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30696.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	15.84	620	
2. Unknown	16.59	430	
3. Unknown	16.90	760	
4. Unknown	17.01	860	
5. Unknown	17.05	1200	
6. Unknown	17.10	2200	
7. Unknown	17.17	330	
8. Unknown	17.59	550	
9. Unknown	18.96	730	
10. Unknown	20.14	820	
11. Unknown Alkane	20.62	490	
12. Unknown	20.72	2200	
13. Unknown Alkane	22.79	520	
14. Unknown	22.97	400	
15.			
16.			
17.			
18.			
19.			
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22.			
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26.			
27.			
28.			
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30.			

TOTAL ESTIMATED CONCENTRATION	12110

Client ID: **B1408-SS03**
Site: Sun Chemical SI

Lab Sample No: **775284**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30867.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	79
2-Methylnaphthalene	ND	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	790
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	79
3-Nitroaniline	ND	790
Acenaphthene	ND	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	79
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
4-Nitroaniline	ND	790
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	ND	390
Anthracene	ND	390

Client ID: **B1408-SS03**
Site: Sun Chemical SI

Lab Sample No: **775284**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30867.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	ND	390
Pyrene	ND	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	790
Benzo(a)anthracene	ND	39
Chrysene	ND	390
bis(2-Ethylhexyl)phthalate	120 J	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	ND	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	ND	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	ND	390

Client ID: **B1408-SS03**
Site: Sun Chemical SI

Lab Sample No: **775284**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30867.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample No: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30698.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	28 J	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	74
2-Methylnaphthalene	10 J	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	740
Dimethylphthalate	ND	370
Acenaphthylene	130 J	370
2,6-Dinitrotoluene	ND	74
3-Nitroaniline	ND	740
Acenaphthene	12 J	370
Dibenzofuran	9.5J	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
4-Nitroaniline	ND	740
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	260 J	370
Anthracene	75 J	370

Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample No: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30698.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	37 J	370
Di-n-butylphthalate	ND	370
Fluoranthene	790	370
Pyrene	800	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	1100	37
Chrysene	520	370
bis(2-Ethylhexyl)phthalate	130 J	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	570	37
Benzo(k)fluoranthene	620	37
Benzo(a)pyrene	580	37
Indeno(1,2,3-cd)pyrene	190	37
Dibenz(a,h)anthracene	79	37
Benzo(g,h,i)perylene	170 J	370

Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample No: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30698.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	17.59	420	
2. C18H12 PAH	18.66	5500	
3. Unknown	18.96	580	
4. 2,2'-Dinaphthyl ether	19.03	2700	
5. Naphthalene, 1-(2-naphthalenyloxy)-	19.30	370	
6. Unknown	20.14	1200	
7. Unknown Alkane	20.62	780	
8. Unknown	20.73	3800	
9. C20H12 PAH	21.49	490	
10. Unknown	22.21	780	
11. Unknown Alkane	22.79	1000	
12. Unknown	24.70	760	
13. Unknown Alkane	25.30	400	
14. Unknown	25.53	490	
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30.			

TOTAL ESTIMATED CONCENTRATION	19270

Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample No: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30693.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	ND	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	74
2-Methylnaphthalene	ND	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	740
Dimethylphthalate	ND	370
Acenaphthylene	ND	370
2,6-Dinitrotoluene	ND	74
3-Nitroaniline	ND	740
Acenaphthene	ND	370
Dibenzofuran	ND	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
4-Nitroaniline	ND	740
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	ND	370
Anthracene	ND	370

Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample No: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30693.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	370
Di-n-butylphthalate	ND	370
Fluoranthene	ND	370
Pyrene	ND	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	ND	37
Chrysene	ND	370
bis(2-Ethylhexyl)phthalate	80 J	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	ND	37
Benzo(k)fluoranthene	ND	37
Benzo(a)pyrene	ND	37
Indeno(1,2,3-cd)pyrene	ND	37
Dibenz(a,h)anthracene	ND	37
Benzo(g,h,i)perylene	ND	370

Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample No: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30693.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample No: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30732.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	13 J	380
4-Chloroaniline	32 J	380
Hexachlorobutadiene	ND	76
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	760
Dimethylphthalate	320 J	380
Acenaphthylene	15 J	380
2,6-Dinitrotoluene	ND	76
3-Nitroaniline	40 J	760
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	760
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	86 J	380
Anthracene	24 J	380

Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample No: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30732.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	12 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	180 J	380
Pyrene	240 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	66 J	760
Benzo(a)anthracene	110	38
Chrysene	130 J	380
bis(2-Ethylhexyl)phthalate	4700	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	150	38
Benzo(k)fluoranthene	160	38
Benzo(a)pyrene	120	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample No: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30732.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Benzene, isocyanato-	6.86	540	
2.	Aniline	7.08	590	
3.	o-Chloroaniline	8.69	340	
4.	Benzene, 1-chloro-2-isocyanato-	8.76	330	
5.	Benzenamine, 2-methoxy-	9.10	1400	
6.	Benzene, 1-isocyanato-2-methoxy-	9.40	910	
7.	2-Naphthalenol	11.98	620	
8.	Unknown	12.29	740	
9.	Benzenamine, 4-chloro-2,5-dimethoxy-	12.79	400	
10.	Unknown	13.28	460	
11.	Unknown	17.38	480	
12.	Unknown	17.55	720	
13.	Unknown	19.24	610	
14.	Unknown	20.52	1200	
15.	Unknown	24.47	1000	
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TOTAL ESTIMATED CONCENTRATION: 10340

Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample No: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30730.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	81
1,3-Dichlorobenzene	ND	810
1,4-Dichlorobenzene	ND	810
1,2-Dichlorobenzene	ND	810
bis(2-chloroisopropyl)ether	ND	810
N-Nitroso-di-n-propylamine	ND	81
Hexachloroethane	ND	81
Nitrobenzene	ND	81
Isophorone	ND	810
bis(2-Chloroethoxy)methane	ND	810
1,2,4-Trichlorobenzene	ND	81
Naphthalene	40 J	810
4-Chloroaniline	ND	810
Hexachlorobutadiene	ND	160
2-Methylnaphthalene	55 J	810
Hexachlorocyclopentadiene	ND	810
2-Chloronaphthalene	ND	810
2-Nitroaniline	ND	1600
Dimethylphthalate	ND	810
Acenaphthylene	ND	810
2,6-Dinitrotoluene	ND	160
3-Nitroaniline	ND	1600
Acenaphthene	36 J	810
Dibenzofuran	19 J	810
2,4-Dinitrotoluene	ND	160
Diethylphthalate	ND	810
4-Chlorophenyl-phenylether	ND	810
Fluorene	28 J	810
4-Nitroaniline	ND	1600
N-Nitrosodiphenylamine	ND	810
4-Bromophenyl-phenylether	ND	810
Hexachlorobenzene	87	81
Phenanthrene	310 J	810
Anthracene	83 J	810

Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample No: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30730.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	44 J	810
Di-n-butylphthalate	ND	810
Fluoranthene	580 J	810
Pyrene	570 J	810
Butylbenzylphthalate	ND	810
3,3'-Dichlorobenzidine	ND	1600
Benzo(a)anthracene	290	81
Chrysene	380 J	810
bis(2-Ethylhexyl)phthalate	7800	810
Di-n-octylphthalate	ND	810
Benzo(b)fluoranthene	340	81
Benzo(k)fluoranthene	470	81
Benzo(a)pyrene	340	81
Indeno(1,2,3-cd)pyrene	110	81
Dibenz(a,h)anthracene	ND	81
Benzo(g,h,i)perylene	100 J	810

Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample No: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30730.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 17.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	10.03	910	
2.	Unknown Alkane	10.84	1000	
3.	Unknown Alkane	11.32	900	
4.	Unknown	12.29	1300	
5.	Tetrachloro-1,1-biphenyl isomer	14.88	1200	
6.	Tetrachloro-1,1-biphenyl isomer	15.14	1100	
7.	Tetrachloro-1,1-biphenyl isomer	15.30	1100	
8.	Tetrachloro-1,1-biphenyl isomer	15.60	1200	
9.	Tetrachloro-1,1-biphenyl isomer	15.65	1500	
10.	Tetrachloro-1,1-biphenyl isomer	15.86	1200	
11.	Unknown	20.06	20000	
12.	Unknown Alkane	20.52	1900	
13.	Unknown Alkane	22.67	1900	
14.	Unknown	23.47	2500	
15.	Unknown	24.48	2900	
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TOTAL ESTIMATED CONCENTRATION 40610

Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample No: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30710.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	36
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
1,2-Dichlorobenzene	ND	360
bis(2-chloroisopropyl)ether	ND	360
N-Nitroso-di-n-propylamine	ND	36
Hexachloroethane	ND	36
Nitrobenzene	ND	36
Isophorone	ND	360
bis(2-Chloroethoxy)methane	ND	360
1,2,4-Trichlorobenzene	ND	36
Naphthalene	26 J	360
4-Chloroaniline	ND	360
Hexachlorobutadiene	ND	73
2-Methylnaphthalene	24 J	360
Hexachlorocyclopentadiene	ND	360
2-Chloronaphthalene	ND	360
2-Nitroaniline	ND	730
Dimethylphthalate	ND	360
Acenaphthylene	ND	360
2,6-Dinitrotoluene	ND	73
3-Nitroaniline	ND	730
Acenaphthene	ND	360
Dibenzofuran	ND	360
2,4-Dinitrotoluene	ND	73
Diethylphthalate	ND	360
4-Chlorophenyl-phenylether	ND	360
Fluorene	ND	360
4-Nitroaniline	ND	730
N-Nitrosodiphenylamine	ND	360
4-Bromophenyl-phenylether	ND	360
Hexachlorobenzene	ND	36
Phenanthrene	16 J	360
Anthracene	ND	360

Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample No: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30710.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	360
Di-n-butylphthalate	ND	360
Fluoranthene	20 J	360
Pyrene	19 J	360
Butylbenzylphthalate	ND	360
3,3'-Dichlorobenzidine	ND	730
Benzo(a)anthracene	ND	36
Chrysene	ND	360
bis(2-Ethylhexyl)phthalate	7500	360
Di-n-octylphthalate	ND	360
Benzo(b)fluoranthene	9.7J	36
Benzo(k)fluoranthene	ND	36
Benzo(a)pyrene	ND	36
Indeno(1,2,3-cd)pyrene	ND	36
Dibenz(a,h)anthracene	ND	36
Benzo(g,h,i)perylene	ND	360

Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample No: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30710.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 8.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	24.51	330	
2.				
3.				
4.				
5.				
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29.				
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TOTAL ESTIMATED CONCENTRATION 330

Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample No: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30708.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample No: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30708.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	320 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample No: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30708.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30711.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	11 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	75
2-Methylnaphthalene	8.7J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	750
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	75
3-Nitroaniline	ND	750
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	75
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	750
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	11 J	380
Anthracene	ND	380

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30711.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	14 J	380
Pyrene	14 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	750
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	7100	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	10 J	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30711.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30707.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	78
2-Methylnaphthalene	ND	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	780
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	78
3-Nitroaniline	ND	780
Acenaphthene	ND	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
4-Nitroaniline	ND	780
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	ND	390
Anthracene	ND	390

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30707.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	ND	390
Pyrene	ND	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	ND	39
Chrysene	ND	390
bis(2-Ethylhexyl)phthalate	ND	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	ND	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	ND	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	ND	390

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30707.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053524.d
Rear File ID: qr053524.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	73	R
Aroclor-1221	ND	73	R
Aroclor-1232	ND	73	R
Aroclor-1242	ND	73	R
Aroclor-1248	960	73	F
Aroclor-1254	500	73	F
Aroclor-1260	ND	73	R
Aroclor-1262	ND	73	R
Aroclor-1268	ND	73	R

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053552.d
Rear File ID: qr053552.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 15

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	78	R
Aroclor-1221	ND	78	R
Aroclor-1232	ND	78	R
Aroclor-1242	ND	78	R
Aroclor-1248	ND	78	R
Aroclor-1254	ND	78	R
Aroclor-1260	ND	78	R
Aroclor-1262	ND	78	R
Aroclor-1268	ND	78	R

Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412818.d
Rear File ID: vr412818.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 2.0
% Moisture: 14

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	150	R
Aroclor-1221	ND	150	R
Aroclor-1232	ND	150	R
Aroclor-1242	ND	150	R
Aroclor-1248	2900	150	F
Aroclor-1254	1300	150	F
Aroclor-1260	ND	150	R
Aroclor-1262	ND	150	R
Aroclor-1268	ND	150	R

Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053554.d
Rear File ID: qr053554.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 15

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	79	R
Aroclor-1221	ND	79	R
Aroclor-1232	ND	79	R
Aroclor-1242	ND	79	R
Aroclor-1248	ND	79	R
Aroclor-1254	ND	79	R
Aroclor-1260	ND	79	R
Aroclor-1262	ND	79	R
Aroclor-1268	ND	79	R

Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412819.d
Rear File ID: vr412819.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 16

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	400	R
Aroclor-1221	ND	400	R
Aroclor-1232	ND	400	R
Aroclor-1242	ND	400	R
Aroclor-1248	6600	400	R
Aroclor-1254	3300	400	F
Aroclor-1260	ND	400	R
Aroclor-1262	ND	400	R
Aroclor-1268	ND	400	R

Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412811.d
Rear File ID: vr412811.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 16

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	80	R
Aroclor-1221	ND	80	R
Aroclor-1232	ND	80	R
Aroclor-1242	ND	80	R
Aroclor-1248	160	80	F
Aroclor-1254	ND	80	R
Aroclor-1260	ND	80	R
Aroclor-1262	ND	80	R
Aroclor-1268	ND	80	R

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample ID: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412812.d
Rear File ID: vr412812.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	80	R
Aroclor-1221	ND	80	R
Aroclor-1232	ND	80	R
Aroclor-1242	ND	80	R
Aroclor-1248	ND	80	R
Aroclor-1254	ND	80	R
Aroclor-1260	ND	80	R
Aroclor-1262	ND	80	R
Aroclor-1268	ND	80	R

Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053558.d
Rear File ID: qr053558.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 10

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	74	R
Aroclor-1221	ND	74	R
Aroclor-1232	ND	74	R
Aroclor-1242	ND	74	R
Aroclor-1248	ND	74	R
Aroclor-1254	ND	74	R
Aroclor-1260	ND	74	R
Aroclor-1262	ND	74	R
Aroclor-1268	ND	74	R

Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053559.d
Rear File ID: qr053559.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 9

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	74	R
Aroclor-1221	ND	74	R
Aroclor-1232	ND	74	R
Aroclor-1242	ND	74	R
Aroclor-1248	ND	74	R
Aroclor-1254	ND	74	R
Aroclor-1260	ND	74	R
Aroclor-1262	ND	74	R
Aroclor-1268	ND	74	R

Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053560.d
Rear File ID: qr053560.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 12

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	76	R
Aroclor-1221	ND	76	R
Aroclor-1232	ND	76	R
Aroclor-1242	ND	76	R
Aroclor-1248	200	76	R
Aroclor-1254	280	76	R
Aroclor-1260	ND	76	R
Aroclor-1262	ND	76	R
Aroclor-1268	ND	76	R

Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412820.d
Rear File ID: vr412820.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	400	R
Aroclor-1221	ND	400	R
Aroclor-1232	ND	400	R
Aroclor-1242	ND	400	R
Aroclor-1248	7000	400	R
Aroclor-1254	3600	400	F
Aroclor-1260	ND	400	R
Aroclor-1262	ND	400	R
Aroclor-1268	ND	400	R

Client ID: **B1406-SS03**
Site: Sun Chemical SI

Lab Sample ID: **775290**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/18/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf413050.d
Rear File ID: vr413050.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 18

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	82	R
Aroclor-1221	ND	82	R
Aroclor-1232	ND	82	R
Aroclor-1242	ND	82	R
Aroclor-1248	130	82	R
Aroclor-1254	ND	82	R
Aroclor-1260	ND	82	R
Aroclor-1262	ND	82	R
Aroclor-1268	ND	82	R

Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053562.d
Rear File ID: qr053562.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 9

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	74	R
Aroclor-1221	ND	74	R
Aroclor-1232	ND	74	R
Aroclor-1242	ND	74	R
Aroclor-1248	ND	74	R
Aroclor-1254	ND	74	R
Aroclor-1260	ND	74	R
Aroclor-1262	ND	74	R
Aroclor-1268	ND	74	R

Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053563.d
Rear File ID: qr053563.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 13

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	77	R
Aroclor-1221	ND	77	R
Aroclor-1232	ND	77	R
Aroclor-1242	ND	77	R
Aroclor-1248	ND	77	R
Aroclor-1254	ND	77	R
Aroclor-1260	ND	77	R
Aroclor-1262	ND	77	R
Aroclor-1268	ND	77	R

Client ID: **B1407-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775272
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 8.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.9	0.98		P
Barium	637	0.28	N	P
Beryllium	0.27	0.022	B	P
Cadmium	0.46	0.11	B	P
Chromium	21.0	0.61		P
Copper	99.7	0.67		P
Lead	113	0.48		P
Mercury	0.22	0.018	N	CV
Nickel	22.7	0.85		P
Selenium	ND	1.0		P
Silver	ND	0.26		P
Thallium	ND	1.0		P
Zinc	72.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1407-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775273
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.3	1.1		P
Barium	103	0.30	N	P
Beryllium	0.49	0.023		P
Cadmium	ND	0.12		P
Chromium	26.6	0.66		P
Copper	40.2	0.73		P
Lead	227	0.52		P
Mercury	0.37	0.020	N	CV
Nickel	72.0	0.91		P
Selenium	1.1	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	50.6	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1407-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775274
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 10.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	0.71	0.72	B	P
Barium	92.3	0.38		P
Beryllium	0.60	0.067		P
Cadmium	ND	0.090		P
Chromium	44.3	0.36	N	P
Copper	36.1	0.83	N	P
Lead	12.5	0.60	N	P
Mercury	0.02	0.016	B	CV
Nickel	198	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	45.6	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B105-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775275
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 18.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	7.6	1.1		P
Barium	177	0.32	N	P
Beryllium	0.44	0.025	B	P
Cadmium	1.00	0.12	B	P
Chromium	53.1	0.69		P
Copper	123	0.76		P
Lead	244	0.54		P
Mercury	0.18	0.021	N	CV
Nickel	85.1	0.96		P
Selenium	1.8	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	189	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B105-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775276
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 18.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	5.8	1.1		P
Barium	80.4	0.32	N	P
Beryllium	0.68	0.025		P
Cadmium	0.35	0.12	B	P
Chromium	57.5	0.69		P
Copper	47.7	0.76		P
Lead	110	0.54		P
Mercury	0.06	0.018	N	CV
Nickel	131	0.96		P
Selenium	1.7	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	100	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1410-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775278
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 13.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	6.0	1.0		P
Barium	156	0.30	N	P
Beryllium	0.54	0.023		P
Cadmium	0.25	0.12	B	P
Chromium	45.5	0.65		P
Copper	57.8	0.72		P
Lead	139	0.51		P
Mercury	0.21	0.019	N	CV
Nickel	176	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	80.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1410-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775279
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	7.4	1.1		P
Barium	275	0.31	N	P
Beryllium	0.57	0.024		P
Cadmium	0.30	0.12	B	P
Chromium	59.4	0.66		P
Copper	77.8	0.73		P
Lead	488	0.52		P
Mercury	0.26	0.020	N	CV
Nickel	158	0.92		P
Selenium	2.1	1.1		P
Silver	0.91	0.28	B	P
Thallium	ND	1.1		P
Zinc	157	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1410-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775280
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	2.9	0.75		P
Barium	54.8	0.40		P
Beryllium	0.84	0.070		P
Cadmium	ND	0.093		P
Chromium	56.3	0.37	N	P
Copper	34.8	0.86	N	P
Lead	9.5	0.63	N	P
Mercury	ND	0.019		CV
Nickel	200	0.56		P
Selenium	ND	0.98		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	59.0	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775281
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	18.7	1.2	N	P
Arsenic	20.7	1.1		P
Barium	280	0.31	N	P
Beryllium	0.52	0.024		P
Cadmium	1.2	0.12		P
Chromium	52.3	0.66		P
Copper	131	0.73		P
Lead	552	0.52		P
Mercury	0.33	0.017	N	CV
Nickel	99.8	0.92		P
Selenium	1.8	1.1		P
Silver	0.27	0.28	B	P
Thallium	ND	1.1		P
Zinc	221	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775282
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 16.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	17.5	1.2	N	P
Arsenic	4.0	1.1		P
Barium	158	0.31	N	P
Beryllium	0.51	0.024		P
Cadmium	0.49	0.12	B	P
Chromium	33.6	0.67		P
Copper	42.1	0.74		P
Lead	175	0.52		P
Mercury	0.26	0.020	N	CV
Nickel	86.8	0.93		P
Selenium	1.7	1.1		P
Silver	0.35	0.29	B	P
Thallium	ND	1.1		P
Zinc	139	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS02D**
Site: **Sun Chemical SI**

Lab Sample No: 775283
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	15.5	1.2	N	P
Arsenic	5.9	1.1		P
Barium	157	0.31	N	P
Beryllium	0.59	0.024		P
Cadmium	0.44	0.12	B	P
Chromium	36.3	0.67		P
Copper	43.8	0.74		P
Lead	175	0.53		P
Mercury	0.18	0.020	N	CV
Nickel	98.6	0.94		P
Selenium	1.2	1.2	B	P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	134	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775284
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	3.6	0.76		P
Barium	70.5	0.40		P
Beryllium	0.83	0.071		P
Cadmium	ND	0.095		P
Chromium	56.6	0.38	N	P
Copper	28.4	0.88	N	P
Lead	10.1	0.64	N	P
Mercury	ND	0.020		CV
Nickel	287	0.57		P
Selenium	ND	1.00		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	60.0	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1405-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775285
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	67.4	1.00		P
Barium	210	0.29	N	P
Beryllium	0.44	0.022	B	P
Cadmium	0.68	0.11	B	P
Chromium	43.3	0.62		P
Copper	98.6	0.69		P
Lead	411	0.49		P
Mercury	0.74	0.018	N	CV
Nickel	83.2	0.86		P
Selenium	1.4	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	166	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1405-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775286
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 9.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	7.5	0.99		P
Barium	39.4	0.29	BN	P
Beryllium	0.83	0.022		P
Cadmium	0.11	0.11	B	P
Chromium	35.9	0.62		P
Copper	28.8	0.68		P
Lead	20.0	0.49		P
Mercury	ND	0.018	N	CV
Nickel	197	0.86		P
Selenium	1.5	1.1		P
Silver	ND	0.26		P
Thallium	ND	1.1		P
Zinc	45.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1406-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775288
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 12.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.5	1.0		P
Barium	155	0.30	N	P
Beryllium	0.33	0.023	B	P
Cadmium	0.39	0.11	B	P
Chromium	26.1	0.64		P
Copper	40.2	0.71		P
Lead	111	0.50		P
Mercury	0.24	0.019	N	CV
Nickel	75.0	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	96.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1406-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775289
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 17.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	14.6	1.2	N	P
Arsenic	3.5	1.1		P
Barium	1060	0.31	N	P
Beryllium	0.23	0.024	B	P
Cadmium	0.25	0.12	B	P
Chromium	45.7	0.68		P
Copper	1010	0.75		P
Lead	268	0.53		P
Mercury	0.70	0.020	N	CV
Nickel	64.2	0.94		P
Selenium	1.6	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	79.7	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1406-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775290
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 18.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	3.2	0.78		P
Barium	77.7	0.41		P
Beryllium	0.38	0.073	B	P
Cadmium	ND	0.098		P
Chromium	49.4	0.39	N	P
Copper	28.5	0.90	N	P
Lead	169	0.66	N	P
Mercury	0.48	0.020		CV
Nickel	102	0.59		P
Selenium	1.1	1.0	B	P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	73.4	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1411-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775291
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 8.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.1	0.99		P
Barium	39.1	0.29	BN	P
Beryllium	0.57	0.022		P
Cadmium	ND	0.11		P
Chromium	41.1	0.61		P
Copper	32.6	0.68		P
Lead	9.0	0.48		P
Mercury	ND	0.018	N	CV
Nickel	116	0.86		P
Selenium	2.0	1.1		P
Silver	ND	0.26		P
Thallium	ND	1.1		P
Zinc	32.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1411-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775292
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 13.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.2	1.0		P
Barium	31.3	0.30	BN	P
Beryllium	0.51	0.023		P
Cadmium	ND	0.12		P
Chromium	51.7	0.65		P
Copper	32.2	0.72		P
Lead	6.6	0.51		P
Mercury	ND	0.016	N	CV
Nickel	117	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	38.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B106-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775294
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 11.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.4	1.0		P
Barium	49.4	0.29	N	P
Beryllium	0.64	0.023		P
Cadmium	0.15	0.11	B	P
Chromium	40.5	0.63		P
Copper	26.0	0.70		P
Lead	9.1	0.50		P
Mercury	0.02	0.019	BN	CV
Nickel	134	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	34.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B106-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775295
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.3	1.0		P
Barium	44.2	0.30	BN	P
Beryllium	0.69	0.023		P
Cadmium	0.17	0.12	B	P
Chromium	38.5	0.65		P
Copper	29.0	0.72		P
Lead	7.7	0.51		P
Mercury	ND	0.019	N	CV
Nickel	139	0.91		P
Selenium	1.5	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	37.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B104-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775297
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.9	1.0		P
Barium	76.2	0.30	N	P
Beryllium	0.79	0.023		P
Cadmium	0.16	0.12	B	P
Chromium	63.7	0.65		P
Copper	23.9	0.72		P
Lead	9.5	0.51		P
Mercury	ND	0.019	N	CV
Nickel	226	0.91		P
Selenium	1.6	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	63.3	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B104-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775298
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	2.7	1.1		P
Barium	42.7	0.31	BN	P
Beryllium	0.53	0.024		P
Cadmium	ND	0.12		P
Chromium	49.6	0.66		P
Copper	16.2	0.73		P
Lead	7.1	0.52		P
Mercury	ND	0.017	N	CV
Nickel	229	0.92		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	34.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B103-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775299
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 10.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.5	1.0		P
Barium	73.2	0.29	N	P
Beryllium	0.31	0.022	B	P
Cadmium	0.16	0.11	B	P
Chromium	29.8	0.63		P
Copper	21.8	0.69		P
Lead	109	0.49		P
Mercury	0.09	0.016	N	CV
Nickel	41.1	0.87		P
Selenium	1.6	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	96.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B703-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775300
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 11.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	10.8	1.3	N	P
Arsenic	6.7	0.72		P
Barium	243	0.38		P
Beryllium	0.51	0.068		P
Cadmium	0.45	0.090	B	P
Chromium	62.8	0.36		P
Copper	105	0.83		P
Lead	1000	0.61		P
Mercury	0.37	0.019		CV
Nickel	146	0.54		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	339	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B703-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775301
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 9.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.4	0.70		P
Barium	28.2	0.37	B	P
Beryllium	0.33	0.066	B	P
Cadmium	ND	0.088		P
Chromium	30.9	0.35	N	P
Copper	32.7	0.81	N	P
Lead	11.4	0.59	N	P
Mercury	0.11	0.018		CV
Nickel	317	0.53		P
Selenium	ND	0.92		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	87.9	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B401-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775302
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 20.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.1	1.5	BN	P
Arsenic	30.8	0.80		P
Barium	1250	0.43		P
Beryllium	0.14	0.075	B	P
Cadmium	ND	0.10		P
Chromium	144	0.40		P
Copper	48.7	0.93		P
Lead	1460	0.68		P
Mercury	0.44	0.021		CV
Nickel	49.0	0.60		P
Selenium	ND	1.1		P
Silver	ND	0.35		P
Thallium	ND	1.2		P
Zinc	37.4	1.5		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

X924

STL Edison

122

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 4

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical - Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-4000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	BN	VOC	PCB	PP Metals								LAB USE ONLY Sample Numbers
B201-SS01	10/4/06	0900	Soil	1	X											775267
B201-SS02		0904		1	X											268
B202-SS01		0914		1	X											269
B202-SS02		0916		1	X											270
B202-SS03		0920		1	X	(HOLD)										271
B1407-SS01		1019		4	X	X	X	X								272
B1407-SS02		1023		4	X	X	X	X								273
B1407-SS03		1027		1	X		X	X	(HOLD)							274
B105-SS01		1046		4		X		X								275
B105-SS02		1049		4		X		X								276
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH			Soil:		1	1	1	1								
6 = Other _____, 7 = Other _____			Water:													

Special Instructions _____ Cooler Temp: 15° ON ICE Water Metals Filtered (Yes/No)? _____

Relinquished by 1.	Company ENVIRON	Date/Time 10/4/06 1645	Received by	Company STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

X924

STL Edison

123

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical: Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	BNs	VOCs	PCBs	PP Metals		LAB USE ONLY Sample Numbers
B105-SS03	10/4/06	1053	Soil	4		X		X	(HOLD)	775277
B1410-SS01		1059		1	X		X	X		278
B1410-SS02		1103		1	X		X	X		279
B1410-SS03		1107		1	X		X	X	(HOLD)	280
B1408-SS01		1202		1	X		X	X		281
B1408-SS02		1205		1	X		X	X		282
B1408-SS02D		1205		1	X		X	X		283
B1408-SS03		1208		1	X		X	X	(HOLD)	284
B1405-SS01		1218		1	X		X	X		285
B1405-SS02		1221		1	X		X	X		286
				Soil:	1	1	1	1		
				Water:						

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Special Instructions _____ Cooler Temp: 15° ON ICE Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	10/4/06 1645		STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

X924

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: Sun Chemical : Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	BNs	VOCs	PCBs	PP Metals		LAB USE ONLY Sample Numbers
B1405-SS03	10/4/06	1224	Soil	1	X		X	X	(HOLD)	775287
B1406-SS01		1233		1	X		X	X		288
B1406-SS02		1237		1	X		X	X		289
B1406-SS03		1240		1	X		X	X	(HOLD)	290
B1411-SS01		1333		1	X		X	X		291
B1411-SS02		1337		1	X		X	X		292
B1411-SS03		1340		1	X		X	X	(HOLD)	293
B106-SS01		1350		4	X	X		X		294
B106-SS02		1354		4	X	X		X		295
B106-SS03		1359		1	X			X	(HOLD)	296
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH			Soil:		1	1	1	1		
6 = Other _____, 7 = Other _____			Water:							

Special Instructions _____ Cooler Temp: 15° ON ICE Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	10/4/06 1645		STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

124

X924

STL Edison

125

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): Trevor Tompkins	Site/Project Identification: SunChemical: Staten Island
Company: ENVIRON	P.O. #: 21-164434	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609)452-9000 Fax: (609)452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	BNs	VICs	PCBs	Pb (Metals)									LAB USE ONLY Sample Numbers
B104-SS01	10/4/06	1427	Soil	1				X									775297
B104-SS02	↓	1430	↓	1				X									298
B103-SS01		1448		1				X									299
B703-SS01		1508		1				X									300
B703-SS02		1512		1				X	(1104D)								301
B401-SS01	↓	1526	↓	1				X									302
Soil:								1									
Water:																	

LAB USE ONLY: Project No. ____ Job No. X924

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other ____, 7 = Other ____

Special Instructions ____ Cooler Temp: 15° ON ICE Water Metals Filtered (Yes/No)? ____

Relinquished by	Company	Date/Time	Received by	Company
1. [signature]	ENVIRON	10/4/06 1645	[signature]	STL
2.				
3.				
4.				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X924 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

VOAMS

SOLID - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
775272	10/4/2006	10/4/2006			10/6/2006	Martinez, Eddie	0942
775273	10/4/2006	10/4/2006			10/6/2006	Martinez, Eddie	0942
775275	10/4/2006	10/4/2006			10/6/2006	Martinez, Eddie	0942
775276	10/4/2006	10/4/2006			10/6/2006	Martinez, Eddie	0942
775277	10/4/2006	10/4/2006					
775294	10/4/2006	10/4/2006			10/6/2006	Martinez, Eddie	0942
775295	10/4/2006	10/4/2006			10/7/2006	Martinez, Eddie	0942

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X924 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
775267	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775268	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/9/2006	Zhao,Chunxin	4670
775269	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775270	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775271	10/4/2006	10/4/2006	10/18/2006	Masango, Charles	10/20/2006	Zhao,Chunxin	4704
775272	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/9/2006	Zhao,Chunxin	4670
775273	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775274	10/4/2006	10/4/2006	10/18/2006	Masango, Charles	10/20/2006	Zhao,Chunxin	4704
775278	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/9/2006	Zhao,Chunxin	4670
775279	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775280	10/4/2006	10/4/2006	10/18/2006	Masango, Charles	10/20/2006	Zhao,Chunxin	4704
775281	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/8/2006	Zhao,Chunxin	4670
775282	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775283	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775284	10/4/2006	10/4/2006	10/18/2006	Masango, Charles	10/19/2006	Bayoumi, Wahied	4704
775285	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775286	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/6/2006	Zhao,Chunxin	4670
775288	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/8/2006	Zhao,Chunxin	4670
775289	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/10/2006	Zhao,Chunxin	4670
775291	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/8/2006	Zhao,Chunxin	4670
775292	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/8/2006	Zhao,Chunxin	4670
775294	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/8/2006	Zhao,Chunxin	4670

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X924 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
775295	10/4/2006	10/4/2006	10/5/2006	Masango, Charles	10/8/2006	Zhao,Chunxin	4670

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X924 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

PESTGC

8082

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
SOLID							
775272	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462
775273	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462
775278	10/4/2006	10/04/2006	10/9/2006	Staib, Thomas	10/10/2006	Damarapu, Shanthi	4462
775279	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462
775281	10/4/2006	10/04/2006	10/9/2006	Staib, Thomas	10/10/2006	Damarapu, Shanthi	4462
775282	10/4/2006	10/04/2006	10/9/2006	Staib, Thomas	10/10/2006	Damarapu, Shanthi	4462
775283	10/4/2006	10/04/2006	10/9/2006	Staib, Thomas	10/10/2006	Damarapu, Shanthi	4462
775285	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462
775286	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462
775288	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462
775289	10/4/2006	10/04/2006	10/9/2006	Staib, Thomas	10/10/2006	Damarapu, Shanthi	4462
775290	10/4/2006	10/04/2006	10/18/2006	Staib, Thomas	10/18/2006	Damarapu, Shanthi	4492
775291	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462
775292	10/4/2006	10/04/2006	10/5/2006	Staib, Thomas	10/6/2006	Diaz, Carol	4462

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775272	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775273	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775274	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775275	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775276	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775277	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775278	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775279	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775280	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
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LABORATORY CHRONICLE
STL Edison

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08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775281	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
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STL Edison

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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775282	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
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STL Edison

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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775283	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X924 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/4/2006

Sample No.: 775284 **Date Received:** 10/4/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
AND
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STL Edison

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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775285	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
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STL Edison

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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775286	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775287	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775288	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775289	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
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STL Edison

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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775290	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Evans, Donald	10/19/2006	Chang, Churnder	21515

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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775291	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775292	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775293	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775294	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775295	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775296	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775297	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775298	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775299	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21429
ANTIMONY	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ARSENIC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BARIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
BERYLLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CADMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
CHROMIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
COPPER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
LEAD	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
NICKEL	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SELENIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
SILVER	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
THALLIUM	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429
ZINC	10/5/2006	Cheema, Ali	10/9/2006	Maguire, Christopher	21429

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775300	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21434
ANTIMONY	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
ARSENIC	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
BARIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
BERYLLIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
CADMIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
CHROMIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
COPPER	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
LEAD	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
NICKEL	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
SELENIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
SILVER	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
THALLIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
ZINC	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775301	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X924	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/4/2006
Sample No.:	775302	**Date Received:**	10/4/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/6/2006	Sheikh, Razia	10/6/2006	Sheikh, Razia	21434
ANTIMONY	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
ARSENIC	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
BARIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
BERYLLIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
CADMIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
CHROMIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
COPPER	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
LEAD	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
NICKEL	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
SELENIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
SILVER	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
THALLIUM	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434
ZINC	10/6/2006	Dave, Virendra	10/6/2006	Chang, Churnder	21434

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND/U - The compound was not detected at the indicated concentration.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

\+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: X924

Client: Environ Corporation, Inc.

Date: 10/31/2006

Sample Receipt:

Samples were received at laboratory with temperature of 15 deg C. Samples are considered acceptable since there is evidence that the chilling process has begun: sufficient ice present upon receipt

Volatile Organic Analysis (GC/MS):

Soil blank EV278 contains 3.2 ppb of Acetone. Sample results are flagged with a B qualifier.

Base/Neutral and/or Acid Extractable Organics (GC/MS):

Sample #s 775267, 775268, 775269, 775278, 775288 and 755289: IS- 5 and/or IS-6 internal standard areas <50% of the most recent continuing calibration standard area. Each sample extract was reanalyzed confirming matrix interference.

QA batch # 4670: RPD of Pentachlorophenol is biased high. Blank Spike meets all Q.C. limits.

QA batch # 4704: MS % recovery of 1,4-Dichlorobenzene is biased low.

QA batch # 4704: MS/MSD % recovery of 4-Nitrophenol is biased low.

Sample # 775272, 775281: Surrogates diluted out.

Pesticides/PCBs:

PCB sample 775272: DCB surrogate standard recovery is biased high. Result confirmed by MS/MSD.

PCB sample 775283 reextracted within hold time data reported.

PCB samples 775278, 775281, 775282, 775289: DCB surrogate standard recoveries are biased high. Sample reextracted (within hold time) confirming matrix interference, data reported.

Metals:

QA Batch 21434: Iron Sample Duplicate RPD(s) is outside Q.C. limits. Poor precision attributed to non homogeneous sample (LCS/LCSdup RPD is within Q.C. limits).

QA Batch 21429: Antimony, barium and mercury Matrix Spike recoveries are outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

QA Batch 21434: Antimony Matrix Spike recovery is outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43917.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.1
Bromomethane	ND	5.1
Vinyl Chloride	ND	5.1
Chloroethane	ND	5.1
Methylene Chloride	ND	3.1
Acetone	66 B	5.1
Carbon Disulfide	ND	5.1
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
cis-1,2-Dichloroethene	14	5.1
Chloroform	ND	5.1
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.1
1,1,1-Trichloroethane	ND	5.1
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.1
Trichloroethene	0.9J	1.0
Dibromochloromethane	ND	5.1
1,1,2-Trichloroethane	ND	3.1
Benzene	2.4	1.0
trans-1,3-Dichloropropene	ND	5.1
Bromoform	ND	4.1
4-Methyl-2-Pentanone	ND	5.1
2-Hexanone	ND	5.1
Tetrachloroethene	0.9J	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	3.0J	5.1
Chlorobenzene	ND	5.1
Ethylbenzene	7.8	4.1
Styrene	ND	5.1
Xylene (Total)	110	5.1

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43917.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 8.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Hydrocarbon	13.02	520	
2.	Unknown Alkane	13.33	930	
3.	C10H22 Alkane	13.56	870	
4.	C10H20 Cycloalkane	13.89	440	
5.	Trimethylbenzene isomer	14.11	2100	
6.	C11H24 Alkane/C9H12 Aromatic	14.37	1500	
7.	Unknown Alkane	14.77	1400	
8.	Unknown Alkane/C9H12 Aromatic	15.03	1400	
9.	C9H10 Aromatic/C10H14 Aromatic	15.33	500	
10.	Decahydronaphthalene isomer	15.48	470	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 10130

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d
Report Date: 10-Oct-2006 20:55

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d
Lab Smp Id: 775272 Client Smp ID: B1407-SS01
Inj Date : 06-OCT-2006 00:10
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : 775272;;;5.31;5
Misc Info : X924;0942;;EM
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/8260L_05.m
Meth Date : 05-Oct-2006 22:42 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.31000	Weight of sample extracted (g)
M	8.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	4.915	4.876	(0.566)	77022	64.8055	66
	13 cis-1,2-Dichloroethene	96	7.066	7.029	(0.813)	103235	14.1624	14
$	16 1,2-Dichloroethane-d4 (SUR)	65	8.193	8.158	(0.943)	404884	59.0621	60
	28 Benzene	78	8.311	8.276	(0.956)	50533	2.31368	2.4
*	69 Fluorobenzene	96	8.692	8.657	(1.000)	1566335	50.0000	
	25 Trichloroethene	95	9.204	9.170	(1.059)	8224	0.89514	0.92(a)
$	37 Toluene-d8 (SUR)	98	10.742	10.709	(0.867)	1282840	56.5830	58
	38 Toluene	91	10.816	10.797	(0.873)	70450	2.97245	3.0(a)
	35 Tetrachloroethene	166	11.490	11.457	(0.928)	8743	0.83912	0.86(a)
*	32 Chlorobenzene-d5	117	12.385	12.371	(1.000)	1114478	50.0000	
	40 Ethylbenzene	106	12.518	12.505	(1.011)	52606	7.57726	7.8
	43 m+p-Xylene	106	12.650	12.623	(1.021)	81887	7.45685	7.6(a)
	44 o-Xylene	106	13.076	13.065	(1.056)	1028779	100.960	100
$	41 Bromofluorobenzene (SUR)	174	13.679	13.655	(0.913)	461766	57.9765	59
*	91 1,4-Dichlorobenzene-d4	152	14.991	14.971	(1.000)	475239	50.0000	

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d
Report Date: 10-Oct-2006 20:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
M 45 Xylene (Total)	100				1110666	103.630	110

QC Flag Legend

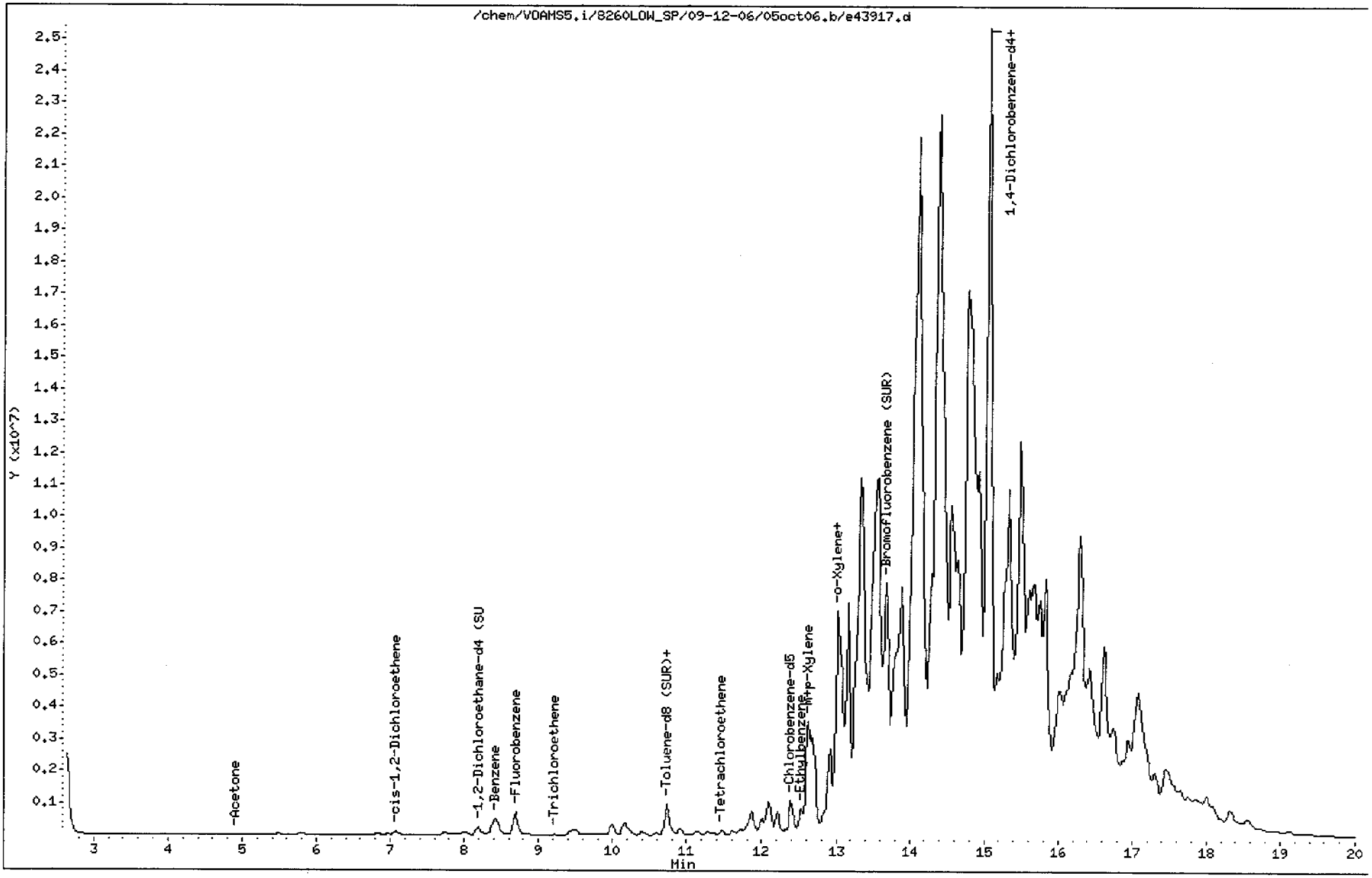
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d
Date : 06-OCT-2006 00:10
Client ID: B1407-SS01
Sample Info: 775272;;;5.31;5

Instrument: VOAMS5.i

Operator: VOAMS 9
Column diameter: 0.53

Column phase: DB624



176

STL Edison

X924

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

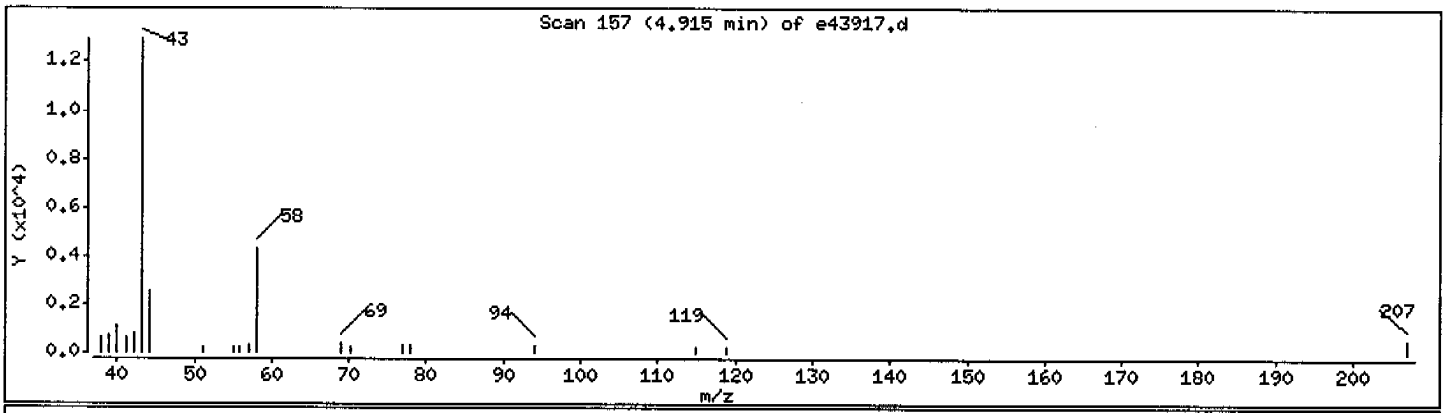
Client ID: B1407-SS01 Instrument: VOAMS5.i

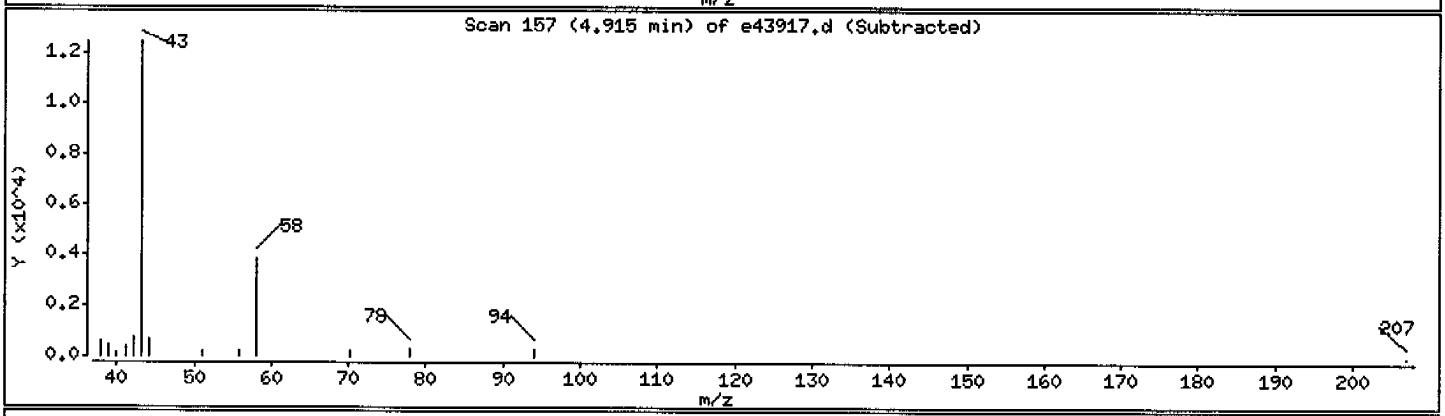
Sample Info: 775272;;;5.31;5

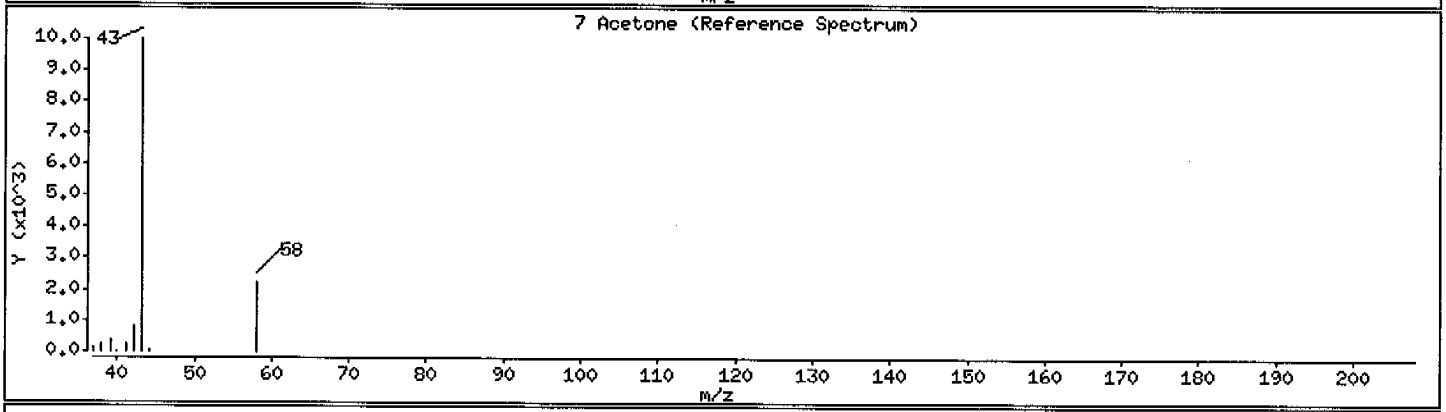
Operator: VOAMS 9

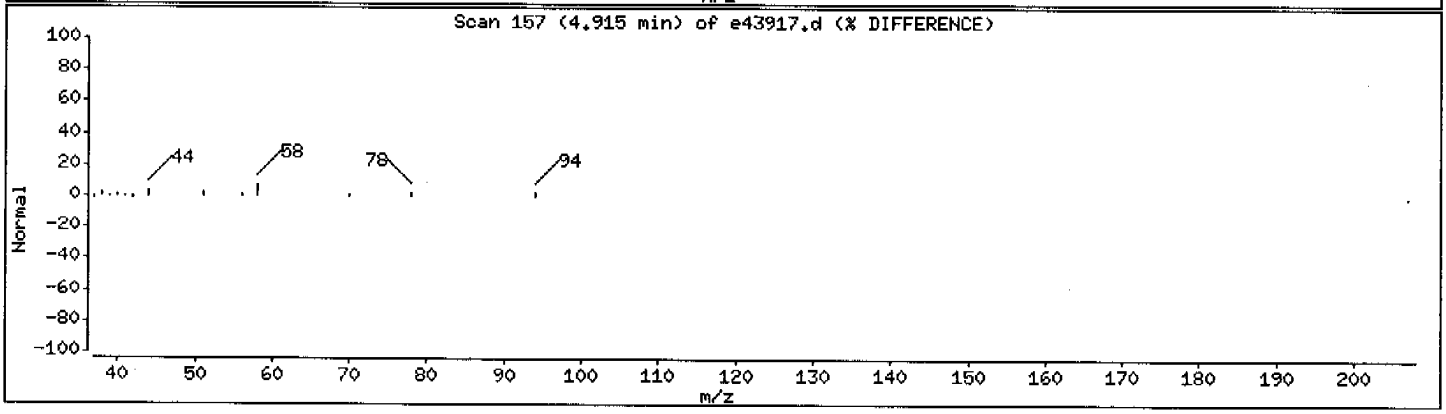
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 66 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

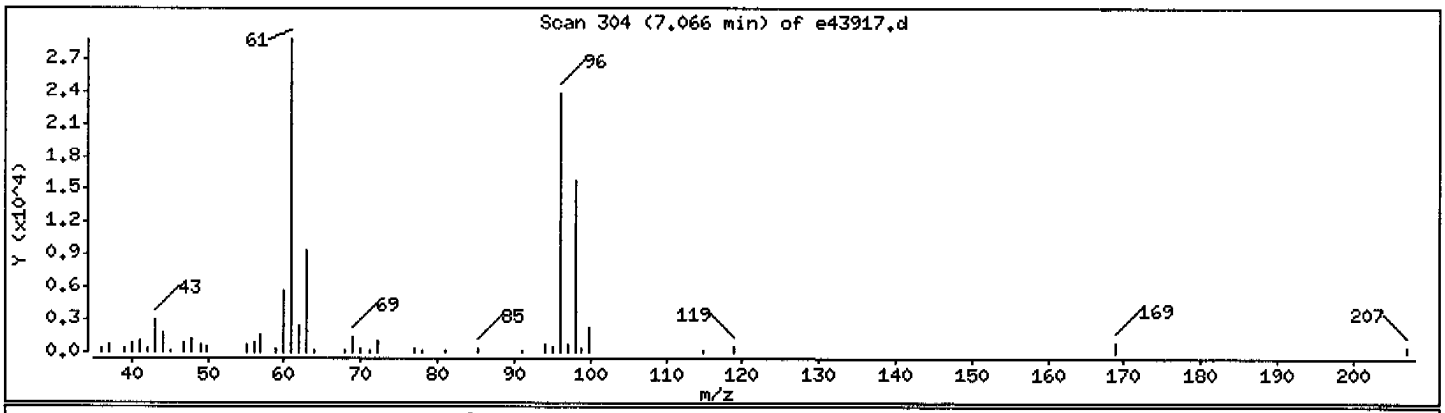
Client ID: B1407-SS01 Instrument: VOAMS5.i

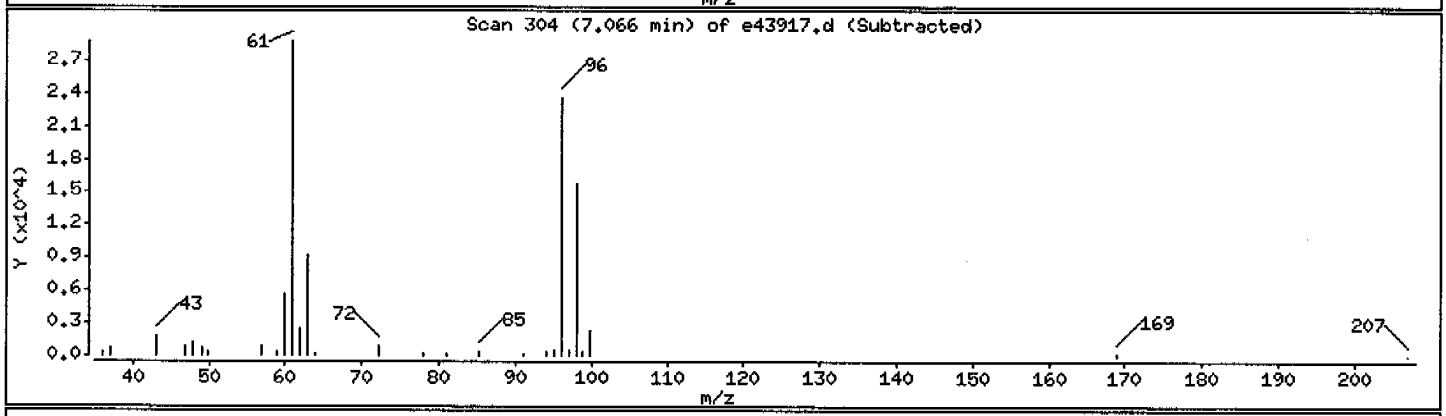
Sample Info: 775272;;;5.31;5

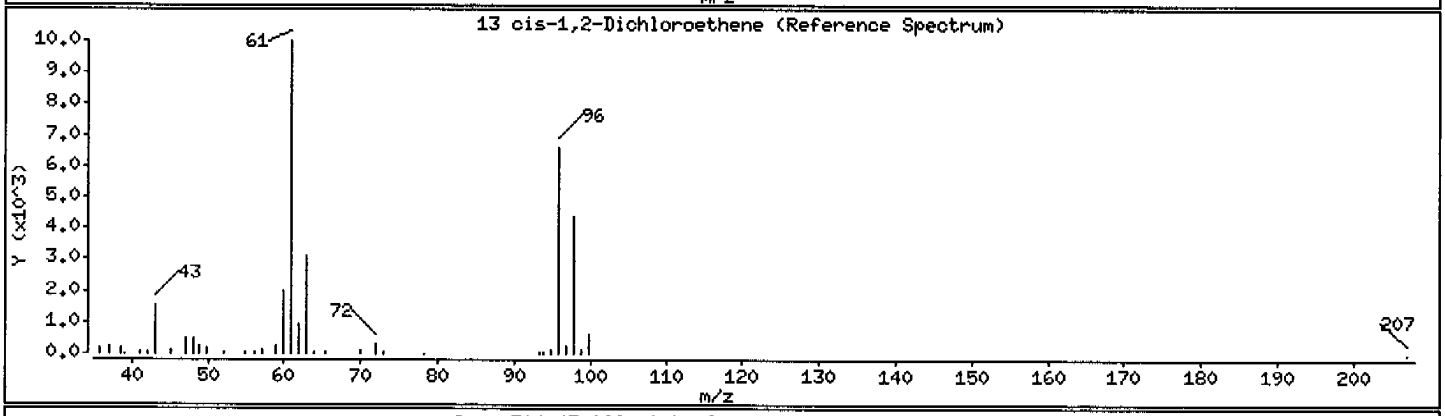
Operator: VOAMS 9

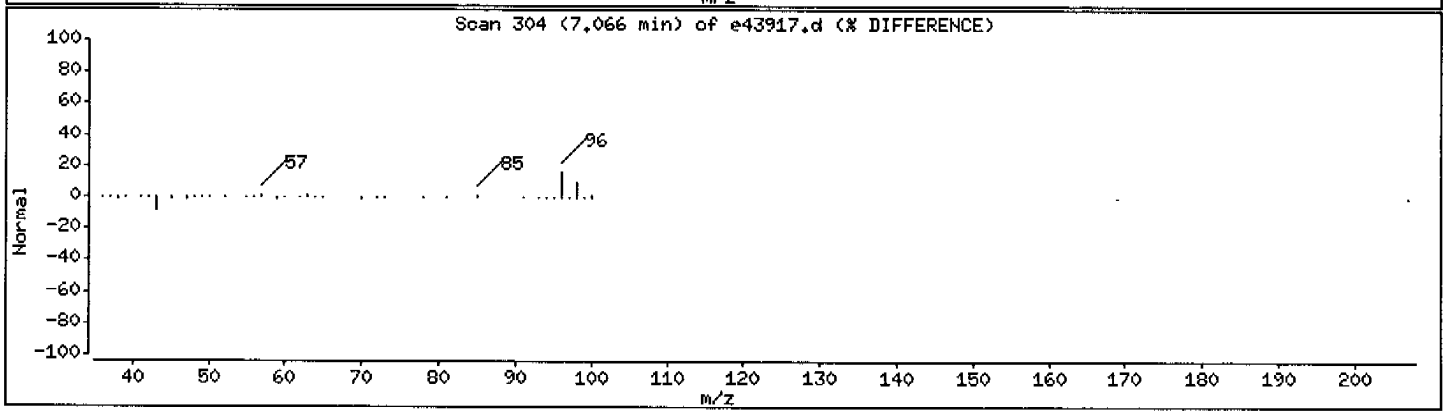
Column phase: DB624 Column diameter: 0.53

13 cis-1,2-Dichloroethene Concentration: 14 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

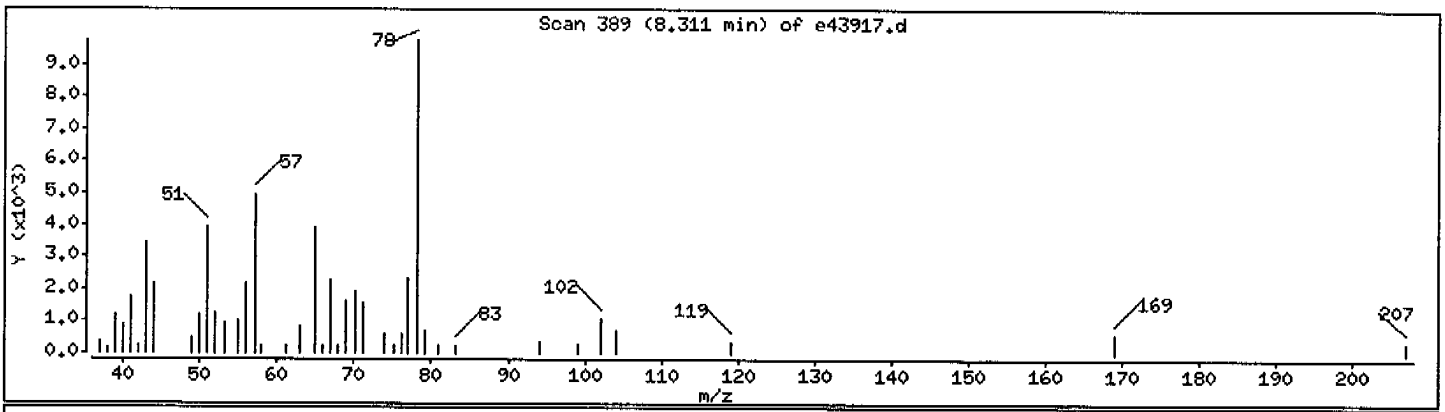
Client ID: B1407-SS01 Instrument: VOAMS5.i

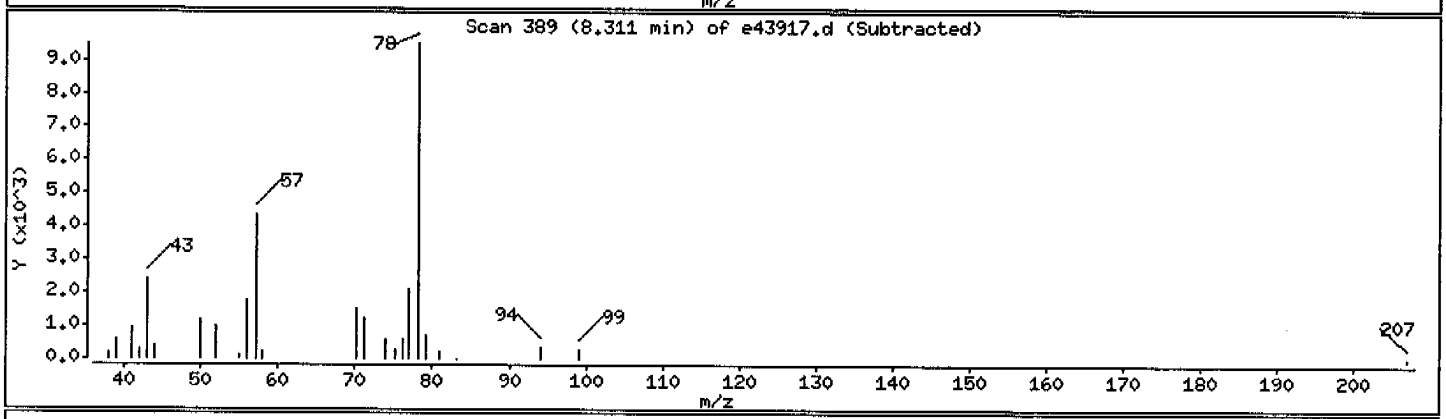
Sample Info: 775272;;;5.31;5

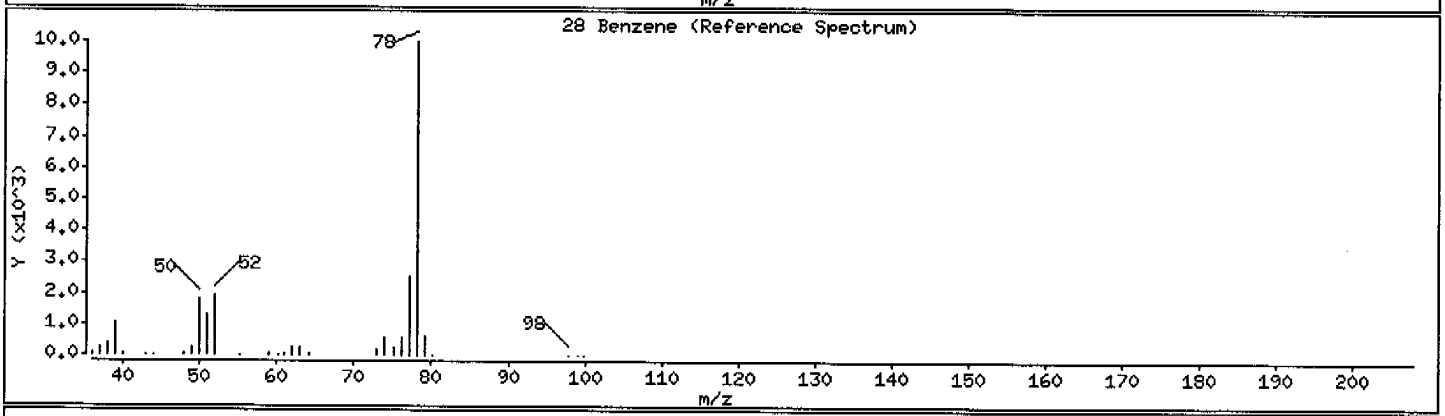
Operator: VOAMS 9

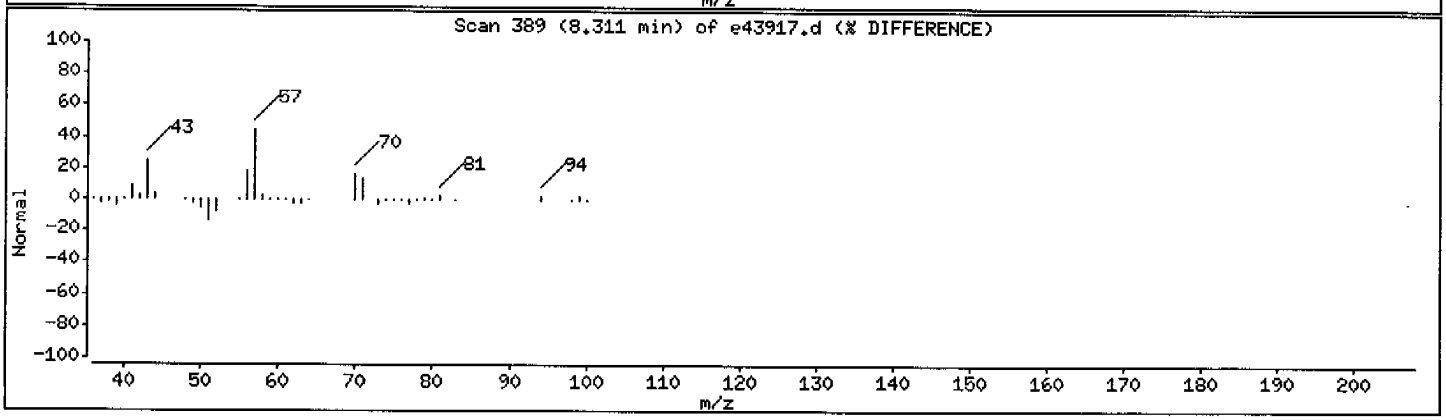
Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 2.4 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

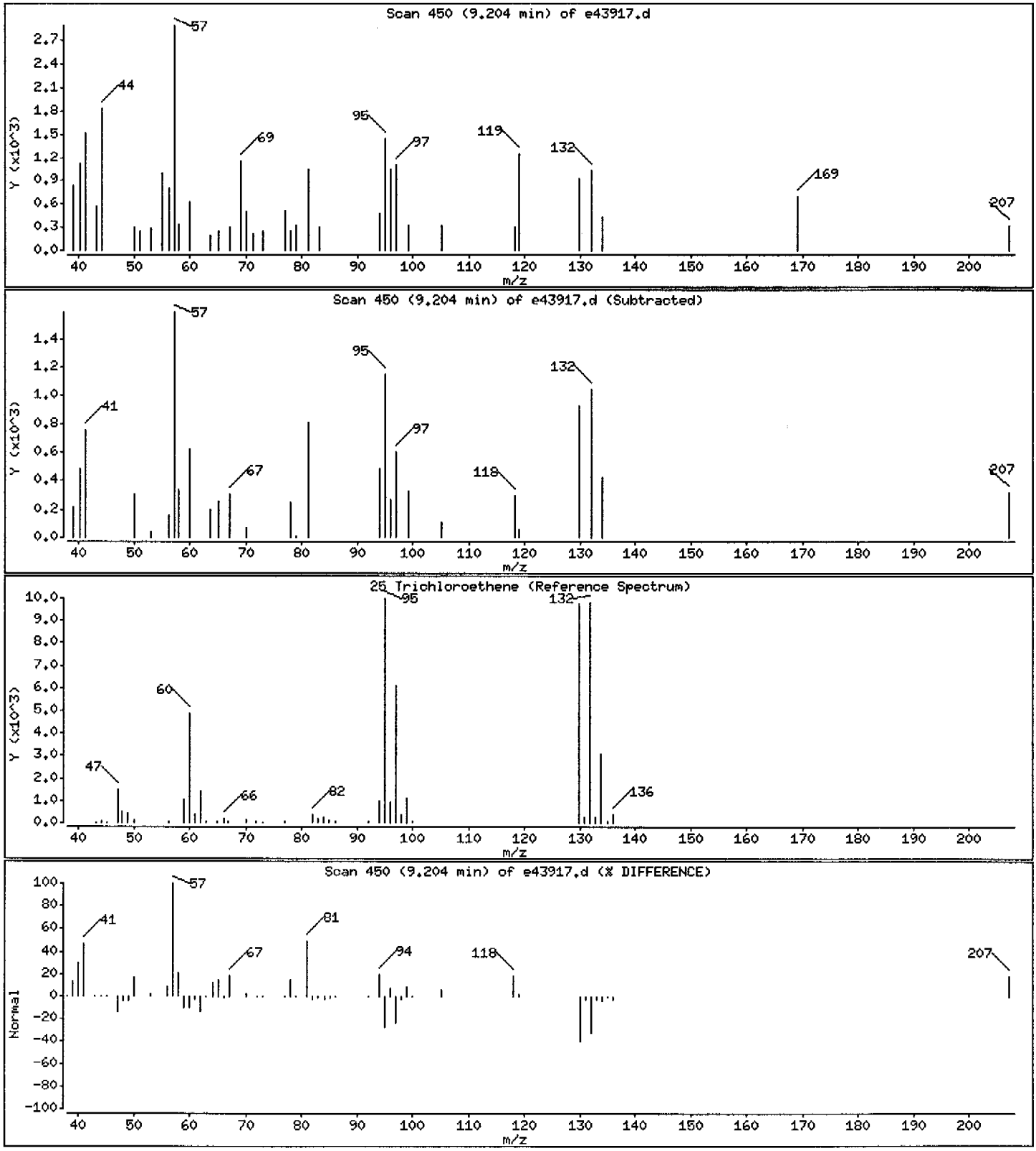
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

25 Trichloroethene Concentration: 0.92 ug/Kg



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

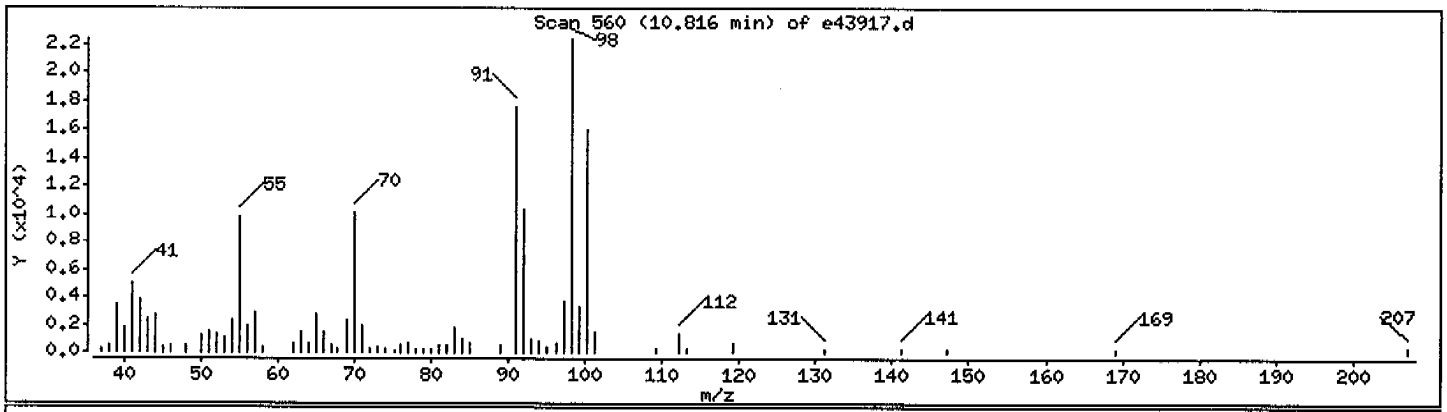
Client ID: B1407-SS01 Instrument: VOAMS5.i

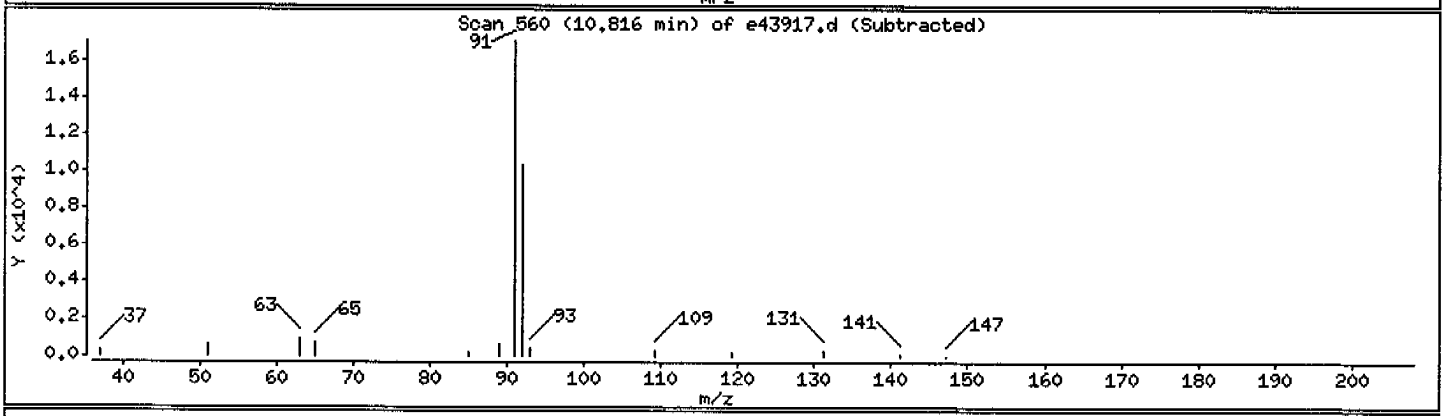
Sample Info: 775272;;;5.31;5

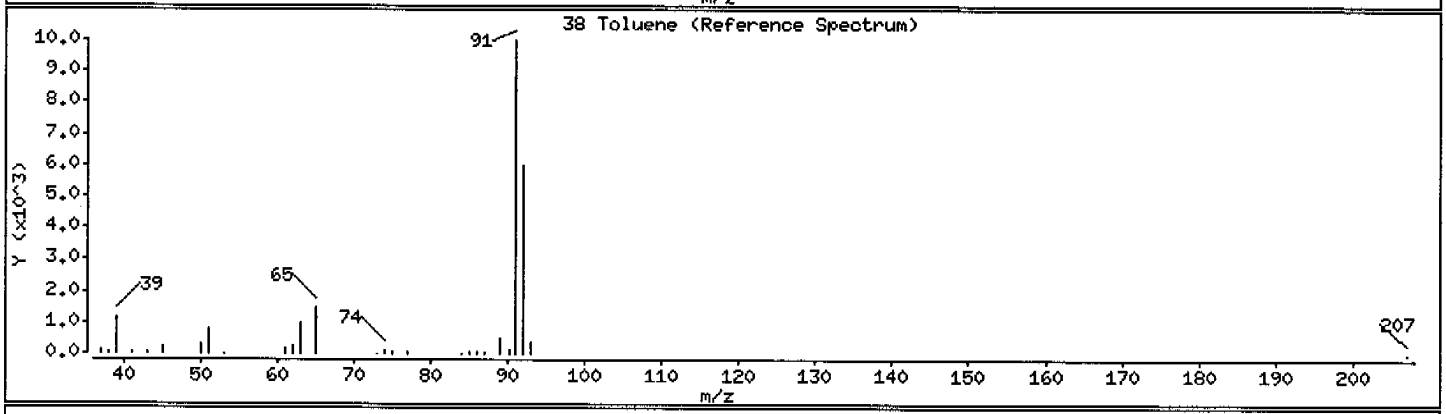
Operator: VOAMS 9

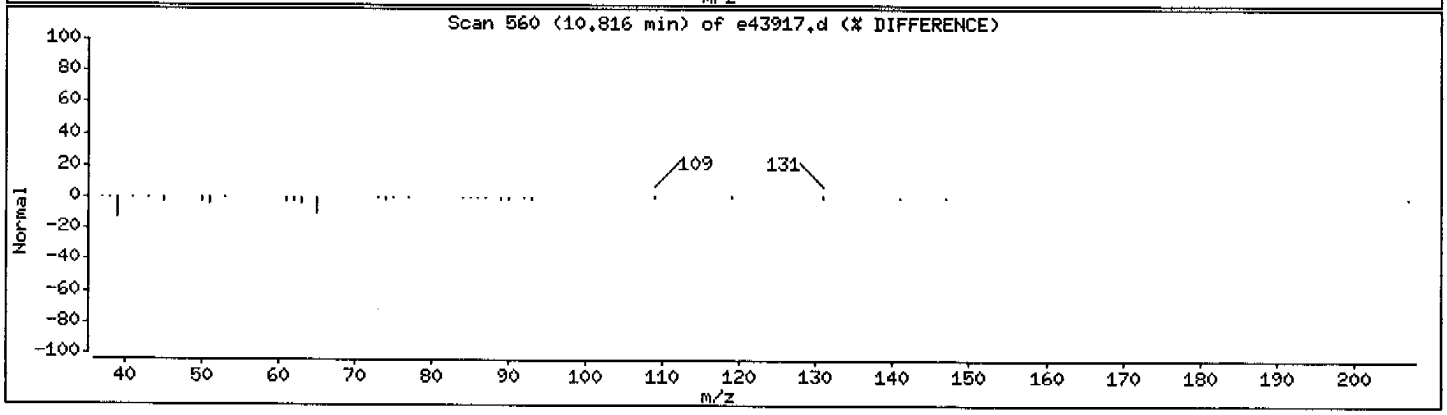
Column phase: DB624 Column diameter: 0.53

38 Toluene Concentration: 3.0 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

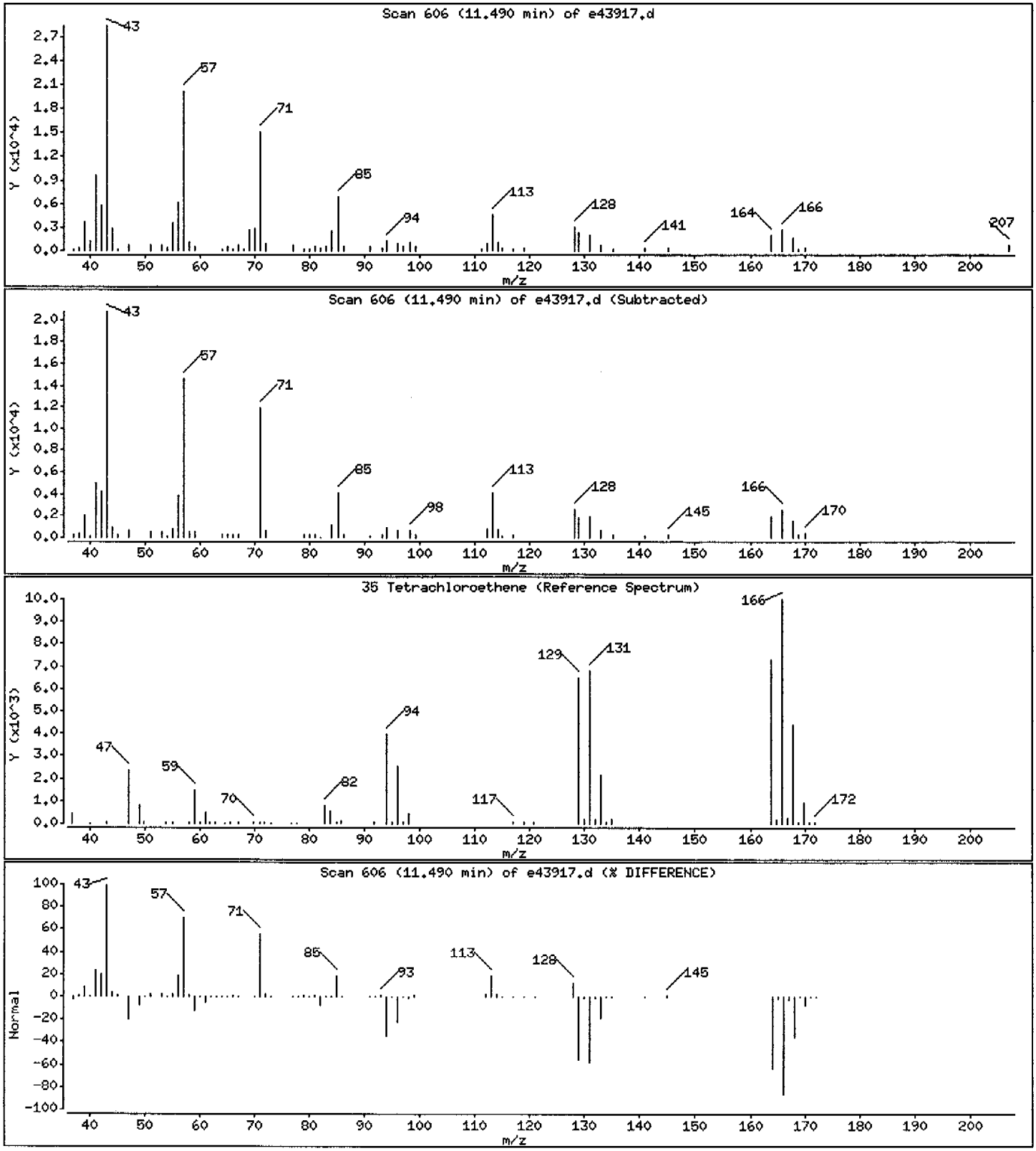
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

35 Tetrachloroethene Concentration: 0.86 ug/Kg



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

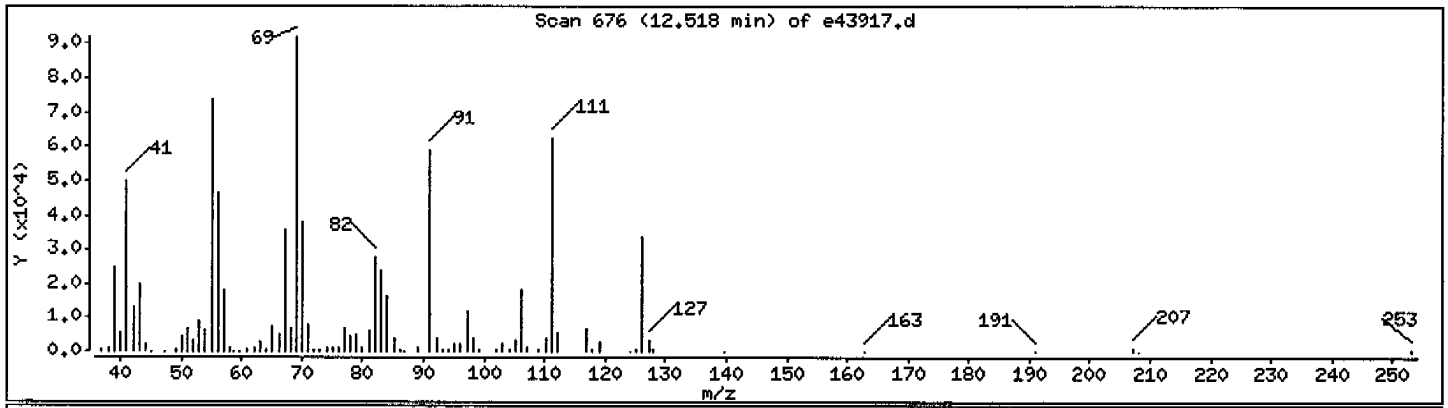
Client ID: B1407-SS01 Instrument: VOAMS5.i

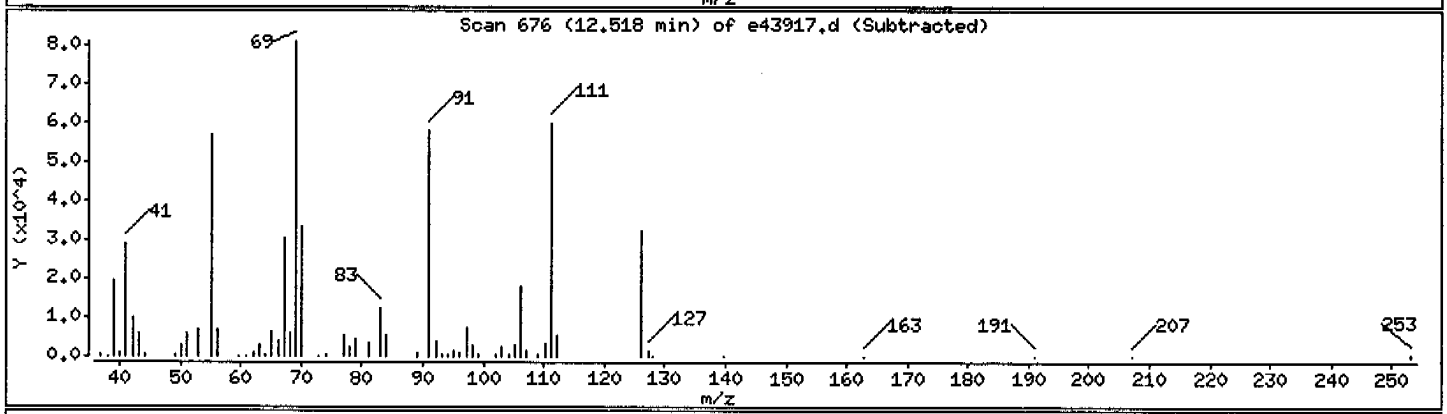
Sample Info: 775272;;;5.31;5

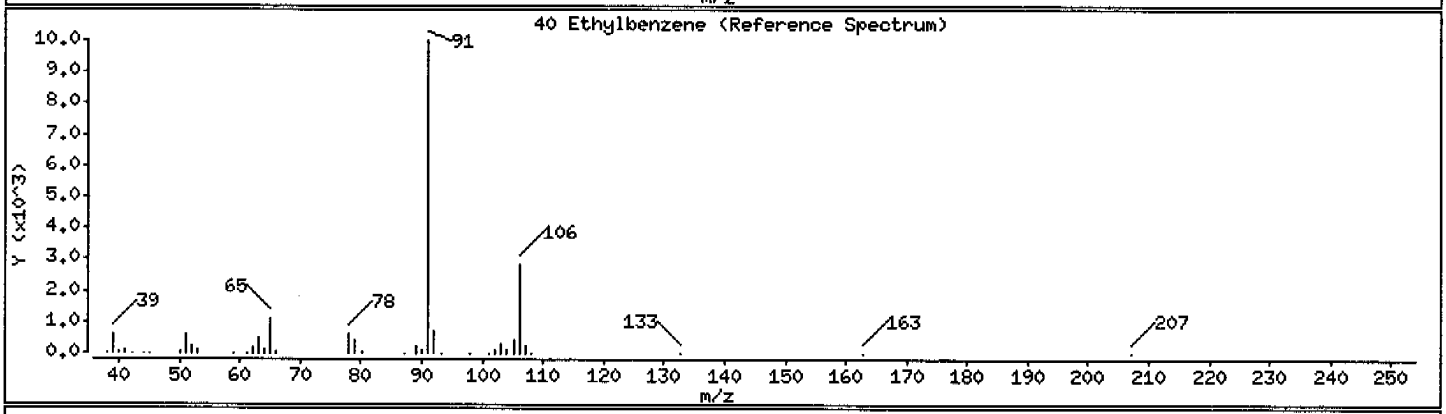
Operator: VOAMS 9

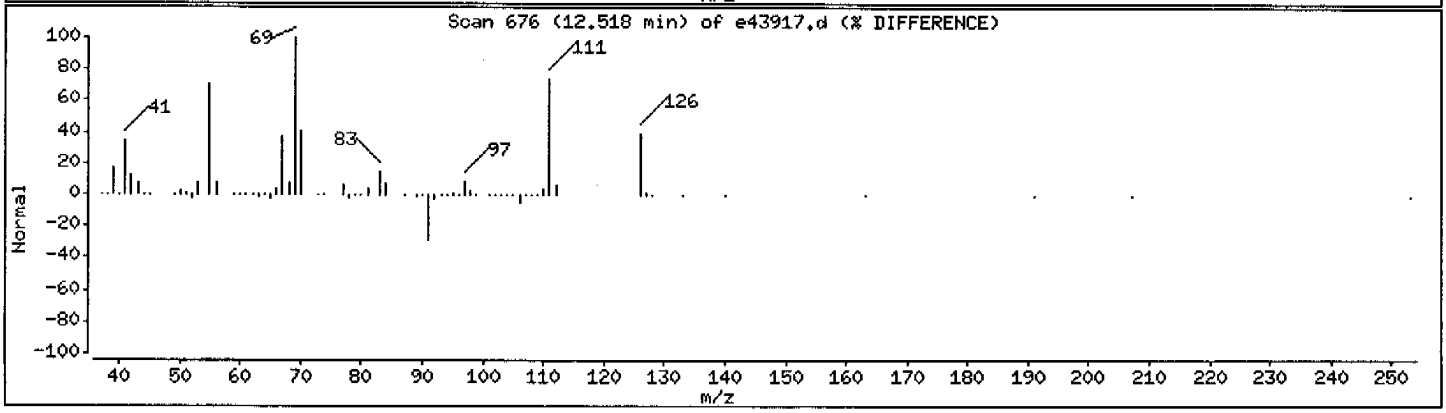
Column phase: DB624 Column diameter: 0.53

40 Ethylbenzene Concentration: 7.8 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

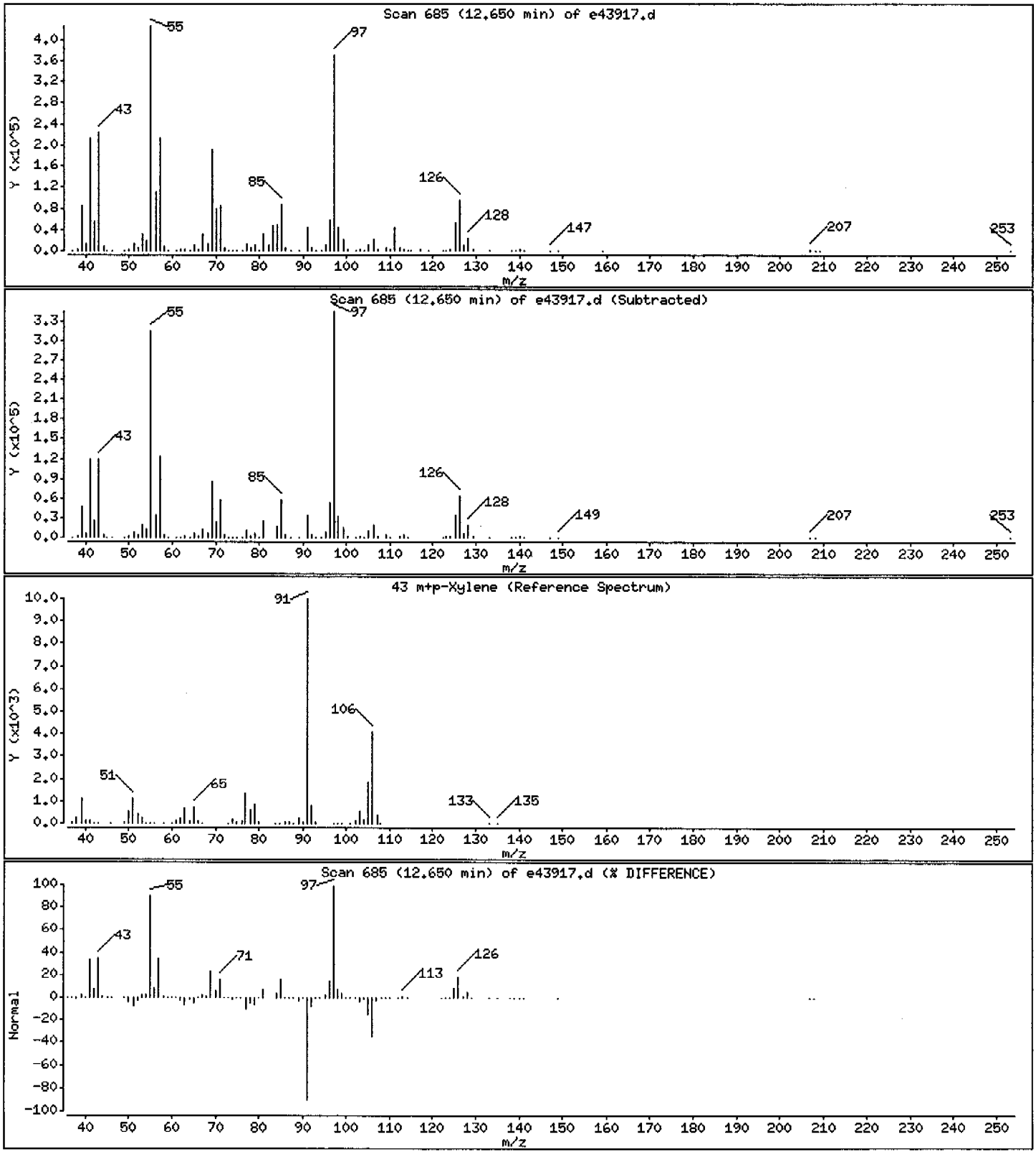
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

43 m+p-Xylene Concentration: 7.6 ug/Kg



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Date : 06-OCT-2006 00:10

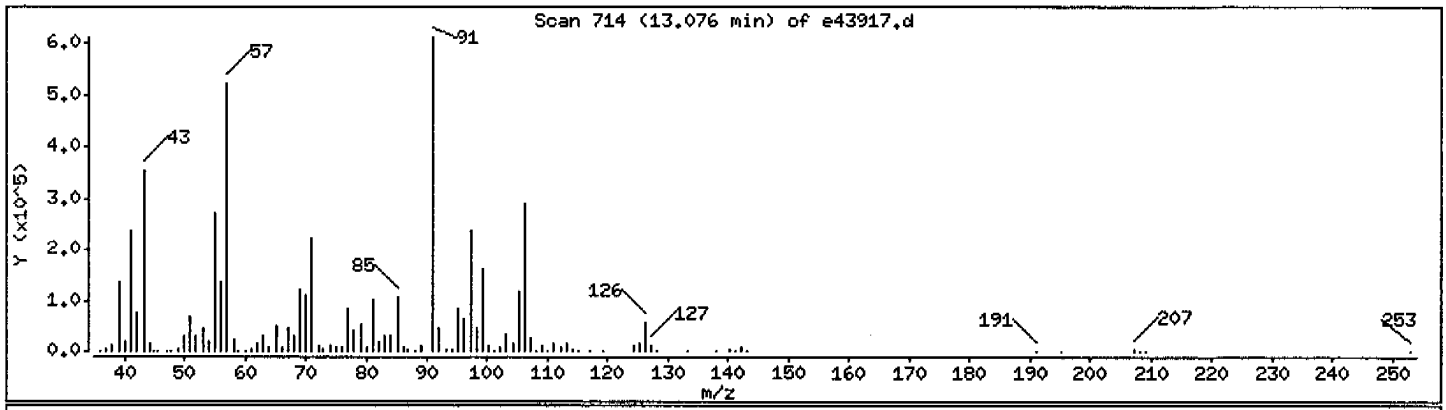
Client ID: B1407-SS01 Instrument: VOAMS5.i

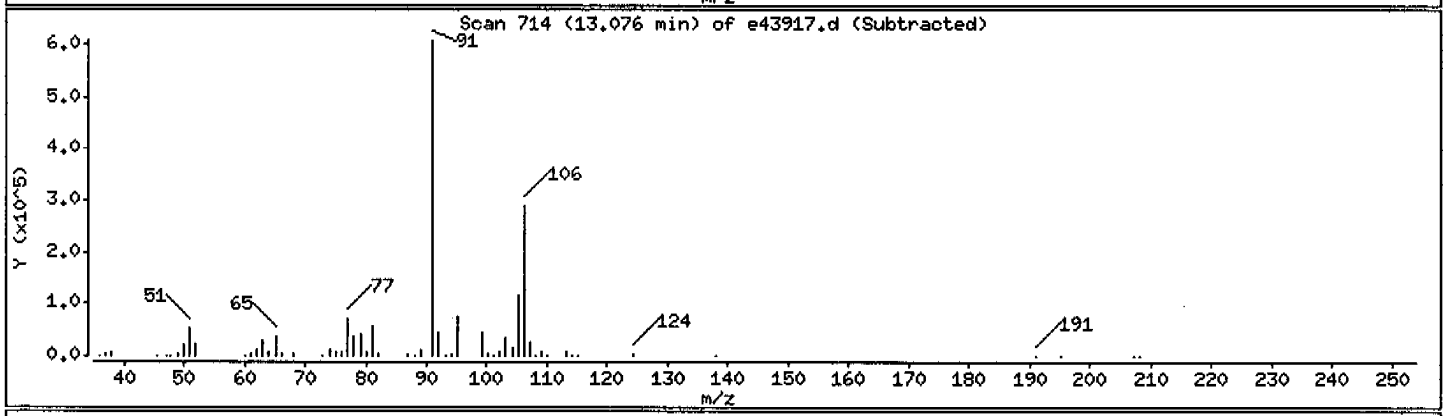
Sample Info: 775272;;;5.31;5

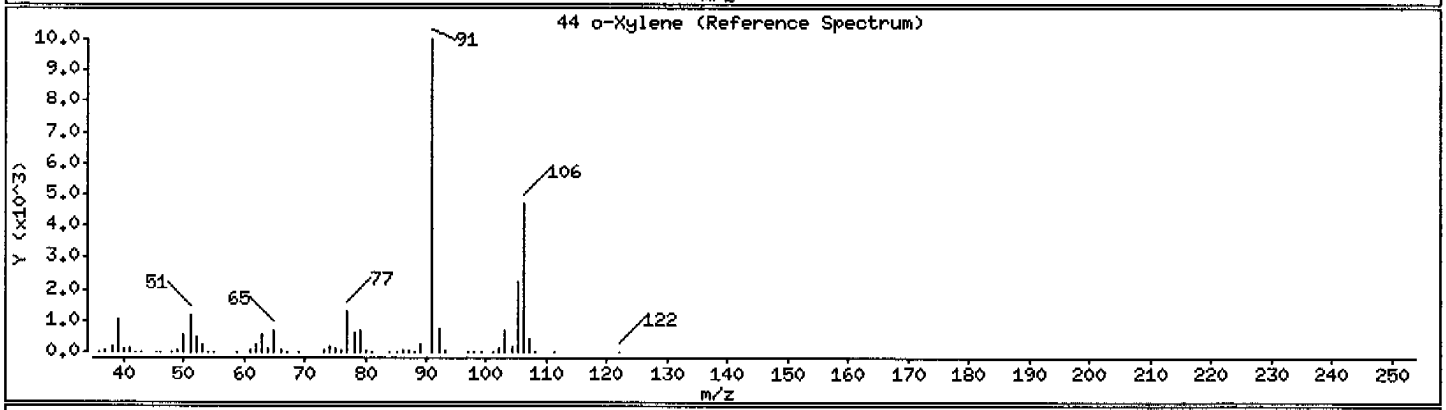
Operator: VOAMS 9

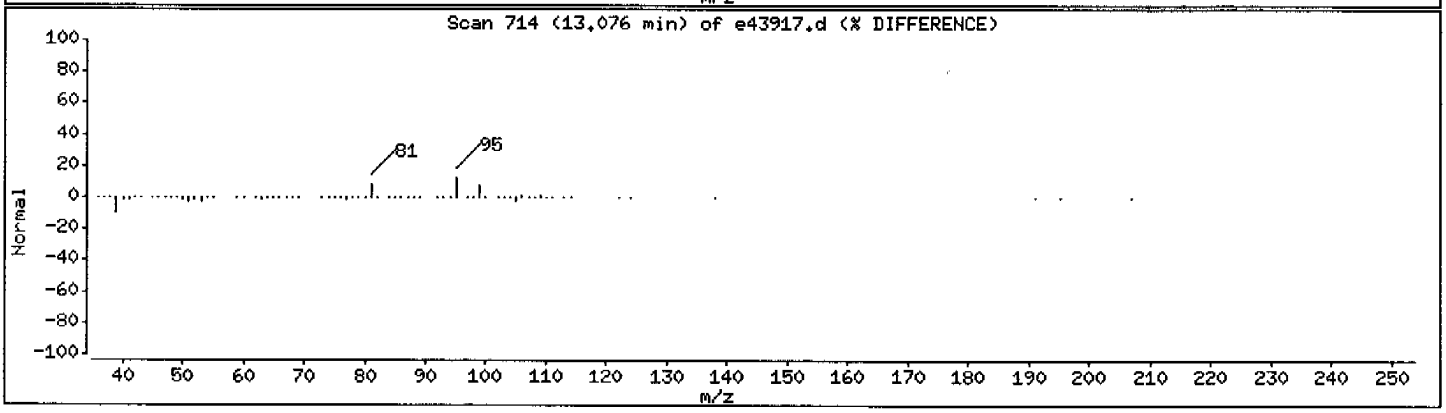
Column phase: DB624 Column diameter: 0.53

44 o-Xylene Concentration: 100 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

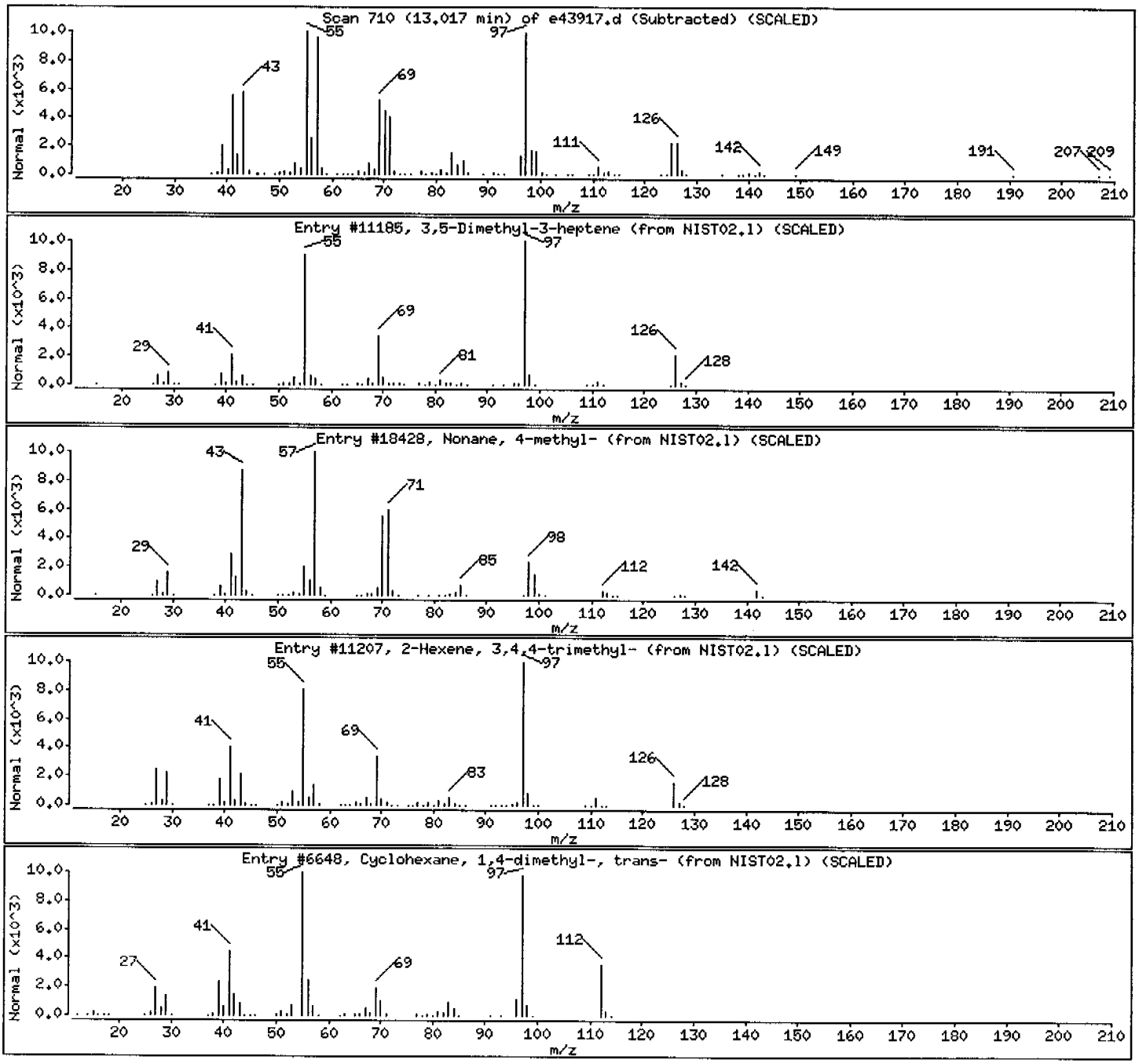
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
3,5-Dimethyl-3-heptene	59643-68-4	NIST02.1	11185	43	C9H18	126
Nonane, 4-methyl-	17301-94-9	NIST02.1	18428	41	C10H22	142
2-Hexene, 3,4,4-trimethyl-	53941-19-8	NIST02.1	11207	38	C9H18	126
Cyclohexane, 1,4-dimethyl-, trans-	2207-04-7	NIST02.1	6648	35	C8H16	112



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

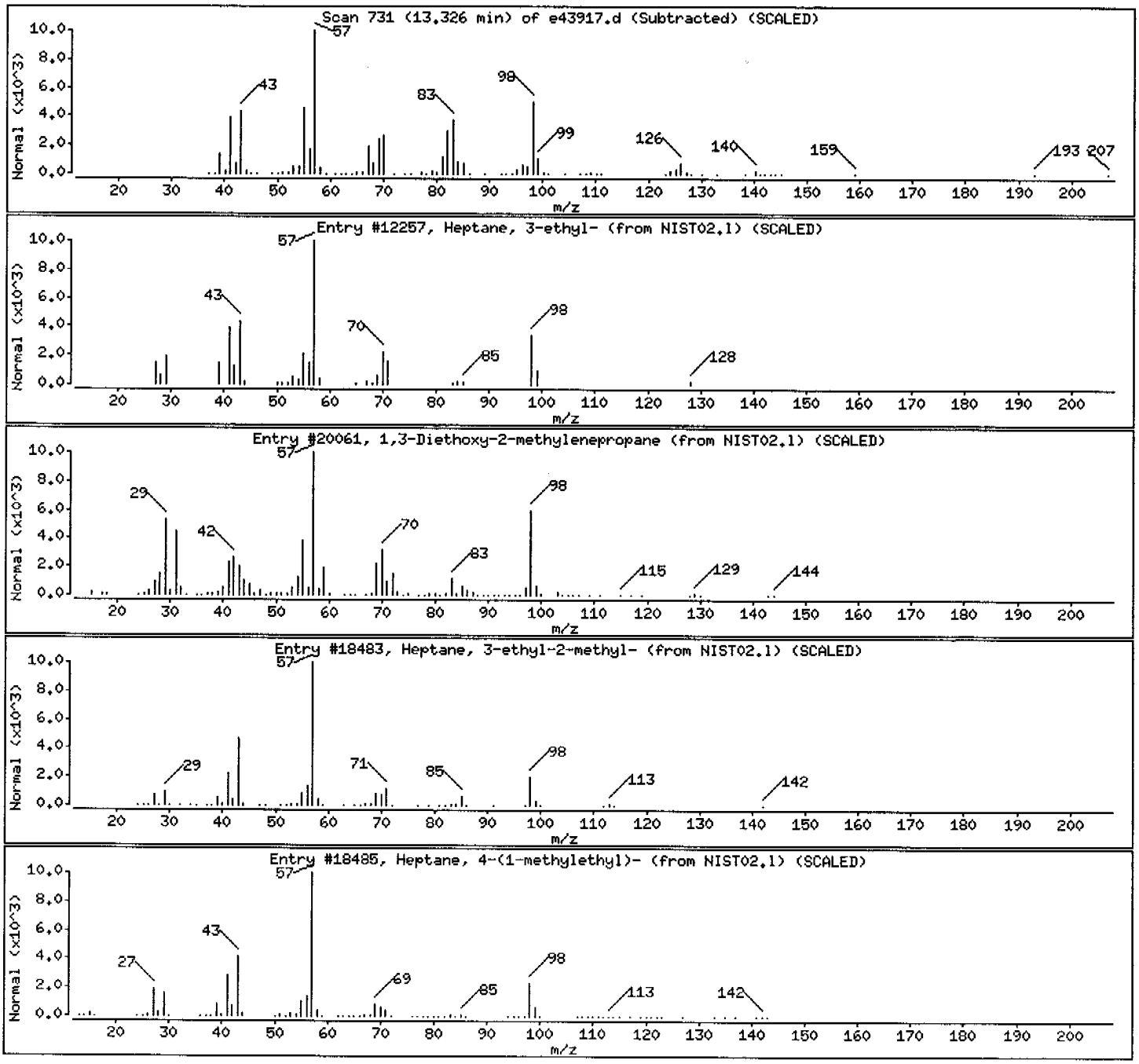
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptane, 3-ethyl-	15869-80-4	NIST02.l	12257	43	C9H20	128
1,3-Diethoxy-2-methylenepropane	25307-84-0	NIST02.l	20061	38	C8H16O2	144
Heptane, 3-ethyl-2-methyl-	14676-29-0	NIST02.l	18483	35	C10H22	142
Heptane, 4-(1-methylethyl)-	52896-87-4	NIST02.l	18485	22	C10H22	142



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

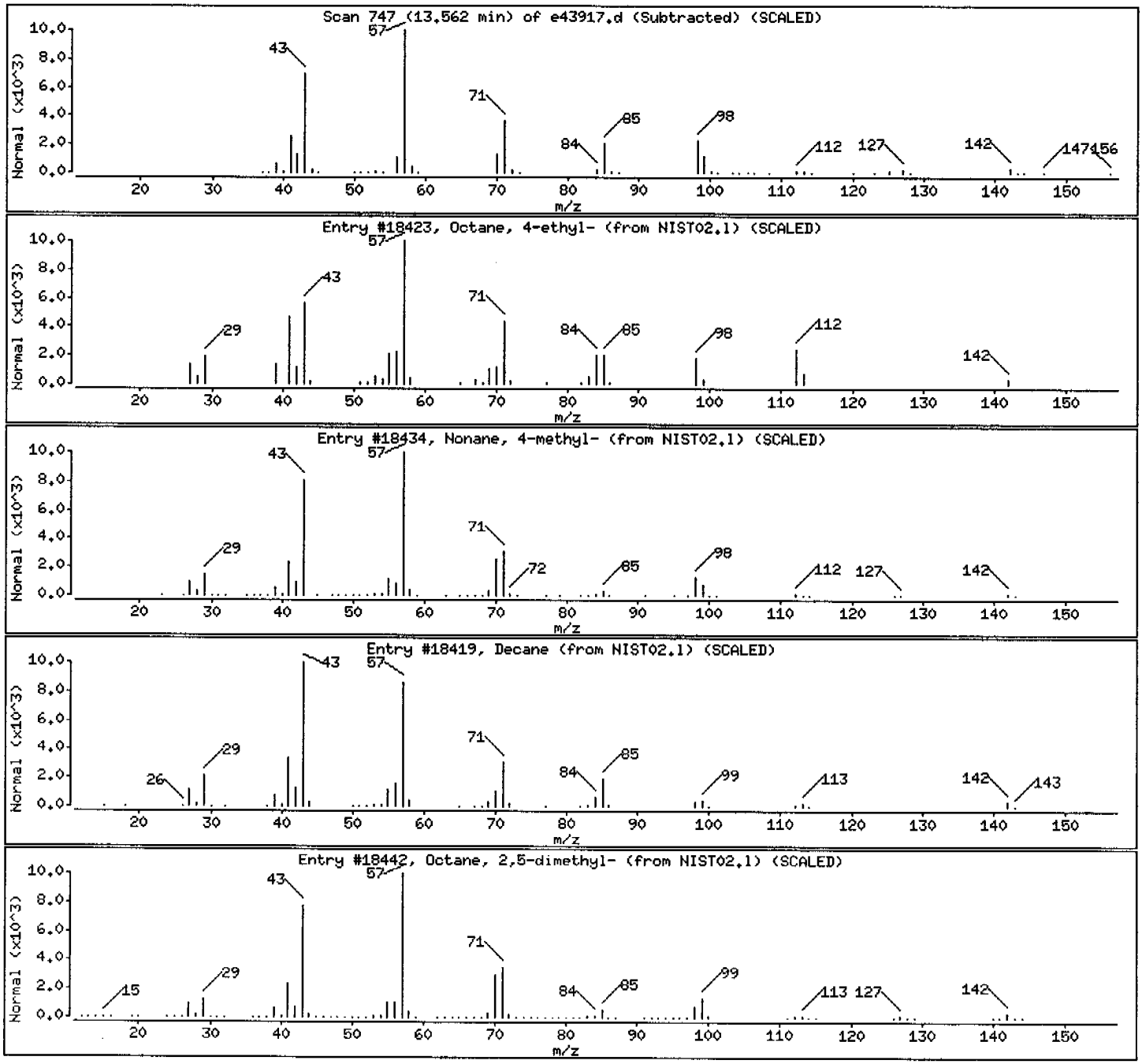
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane						
Octane, 4-ethyl-	15869-86-0	NIST02.l	18423	80	C10H22	142
Nonane, 4-methyl-	17301-94-9	NIST02.l	18434	59	C10H22	142
Decane	124-18-5	NIST02.l	18419	58	C10H22	142
Octane, 2,5-dimethyl-	15869-89-3	NIST02.l	18442	58	C10H22	142



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

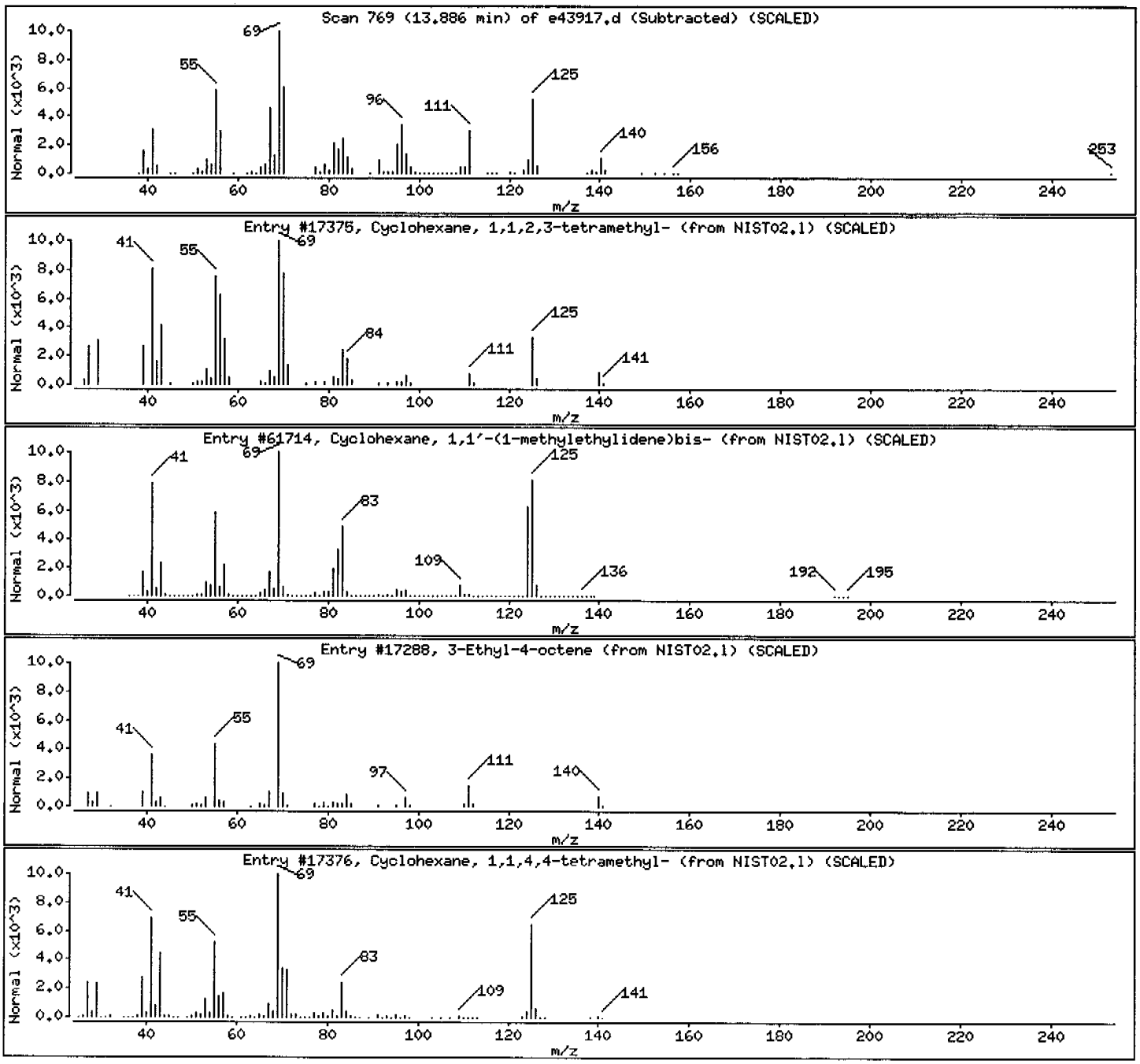
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272:::5.31:5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
Cyclohexane, 1,1,2,3-tetramethyl-	6783-92-2	NIST02.l	17375	43	C10H20	140
Cyclohexane, 1,1'-(1-methylethylidene)bi	54934-90-6	NIST02.l	61714	38	C15H28	208
3-Ethyl-4-octene	19781-32-9	NIST02.l	17288	38	C10H20	140
Cyclohexane, 1,1,4,4-tetramethyl-	2223-52-1	NIST02.l	17376	38	C10H20	140



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

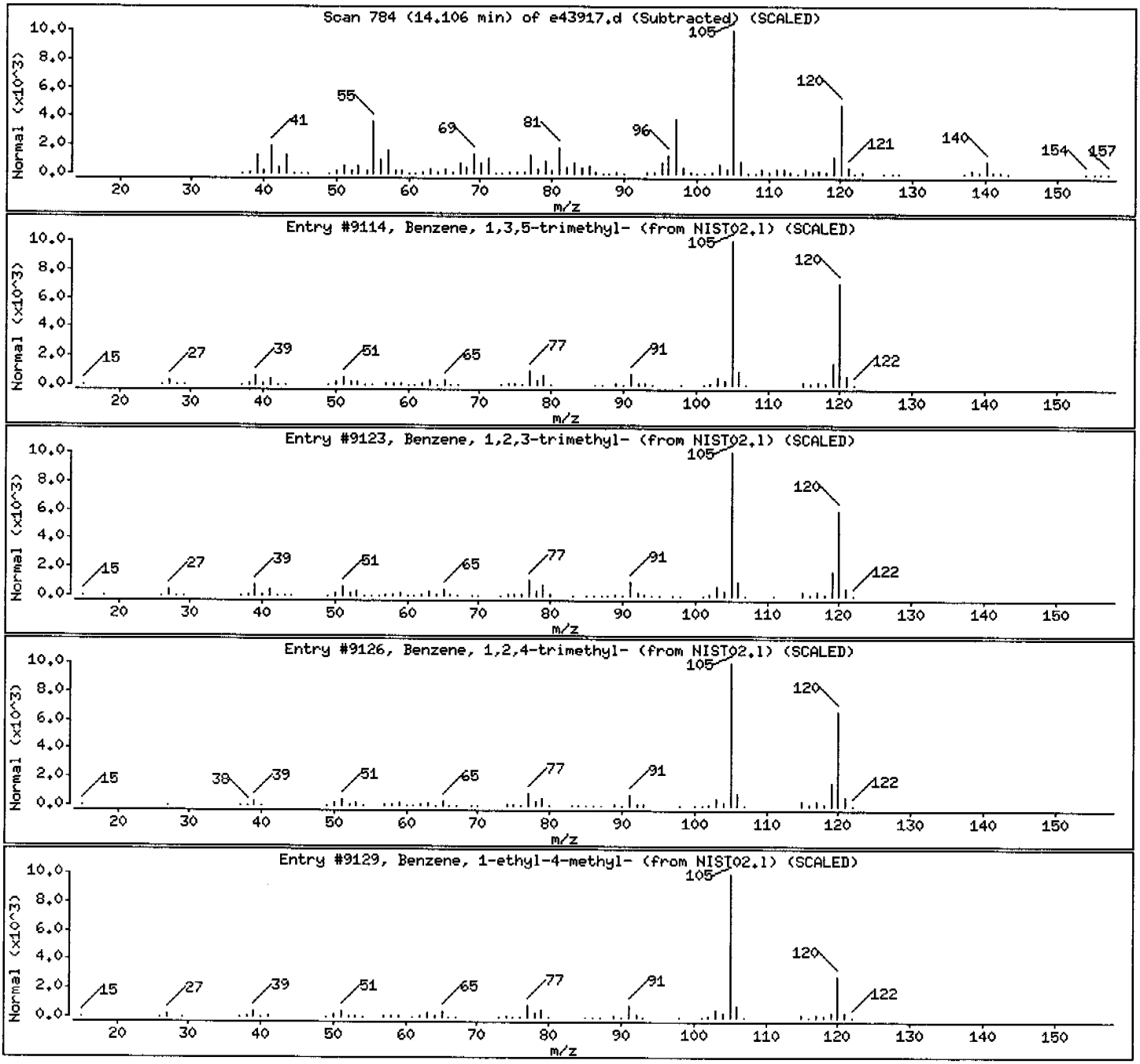
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer						
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.l	9114	87	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.l	9123	87	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.l	9126	55	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NIST02.l	9129	49	C9H12	120



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

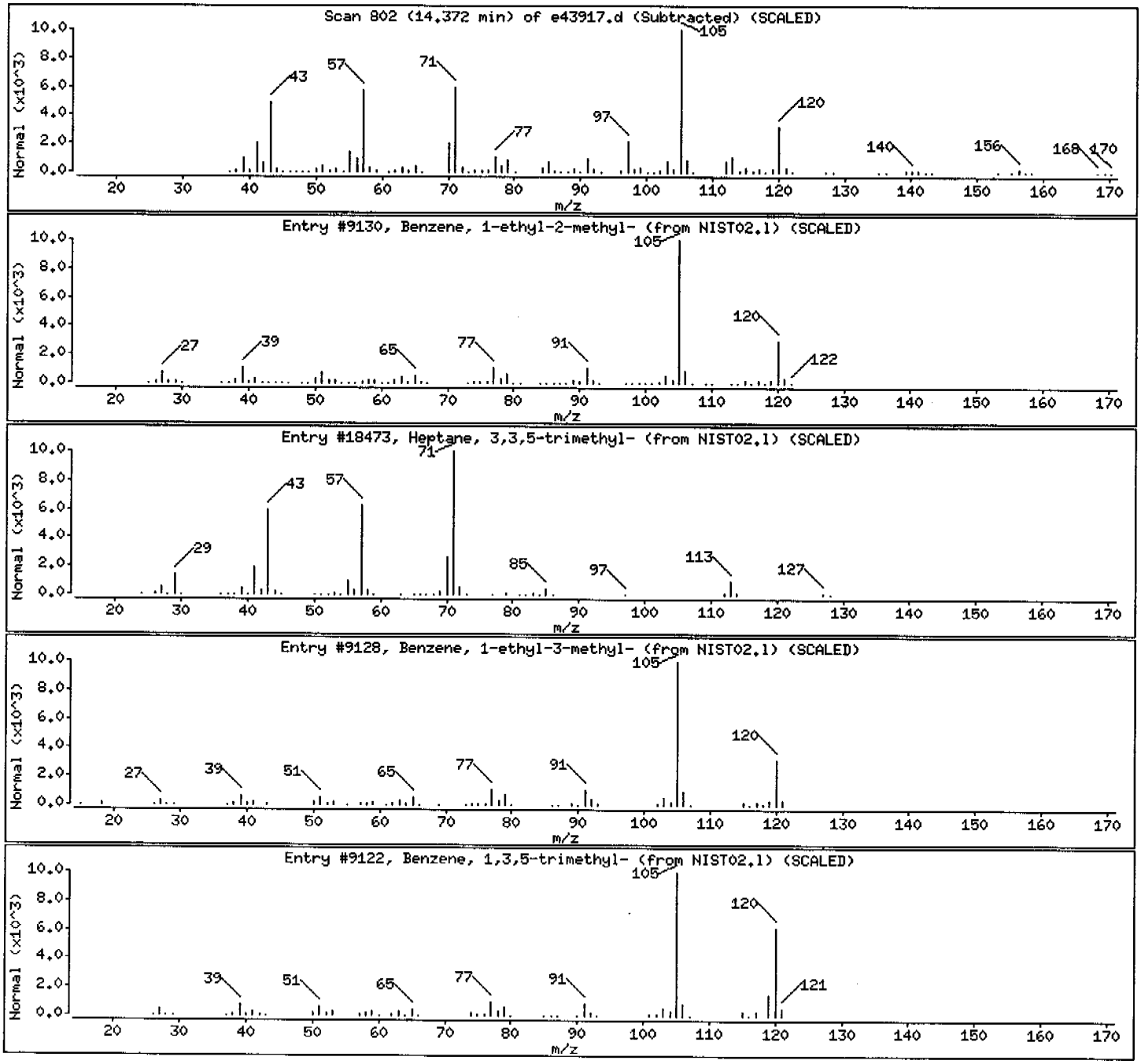
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane/C9H12 Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.l	9130	64	C9H12	120
Heptane, 3,3,5-trimethyl-	7154-80-5	NIST02.l	18473	38	C10H22	142
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.l	9128	35	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.l	9122	35	C9H12	120



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

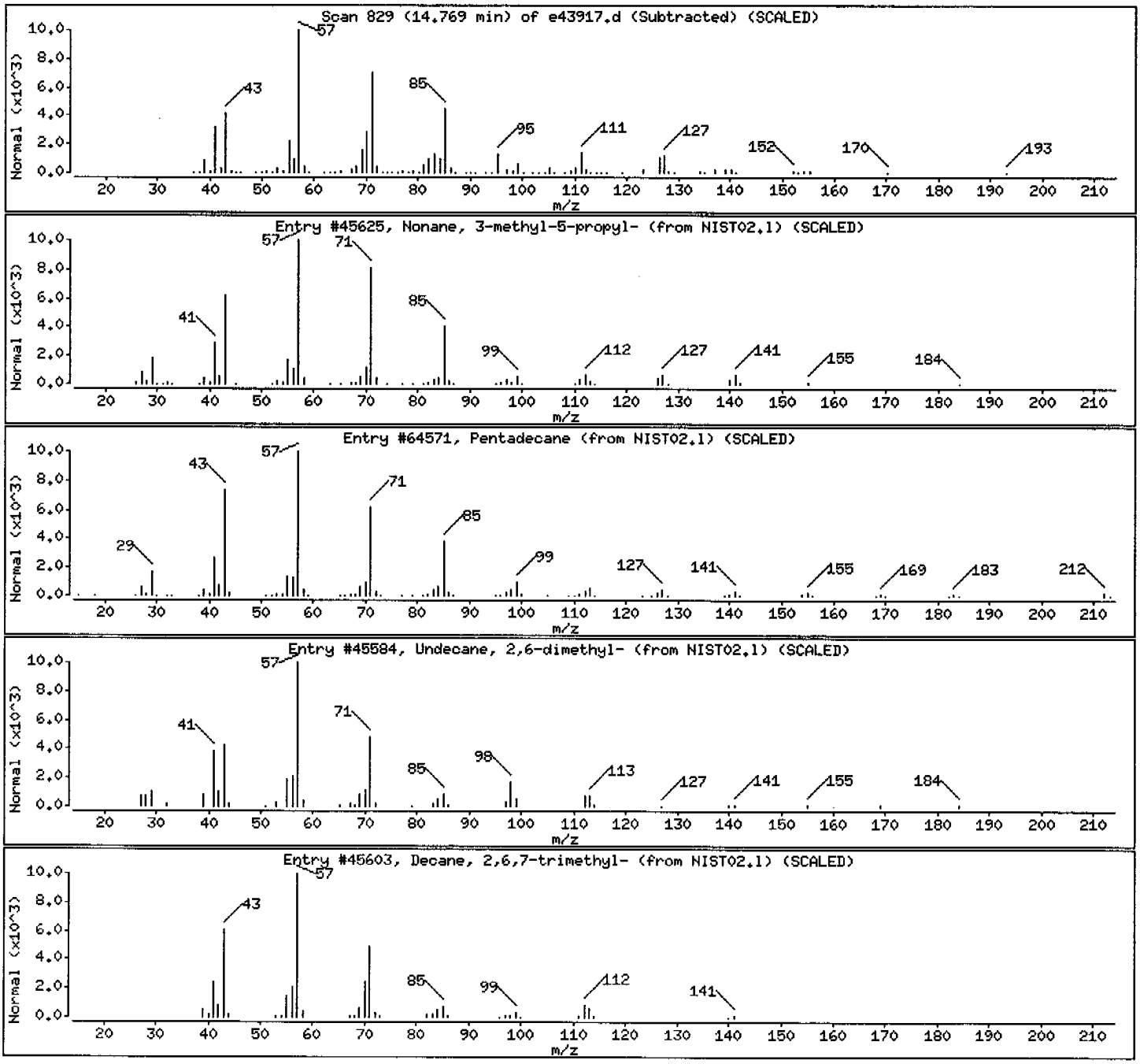
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonane, 3-methyl-5-propyl-	31081-18-2	NIST02.l	45625	59	C13H28	184
Pentadecane	629-62-9	NIST02.l	64571	53	C15H32	212
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45584	43	C13H28	184
Decane, 2,6,7-trimethyl-	62108-25-2	NIST02.l	45603	43	C13H28	184



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43917.d

Date : 06-OCT-2006 00:10

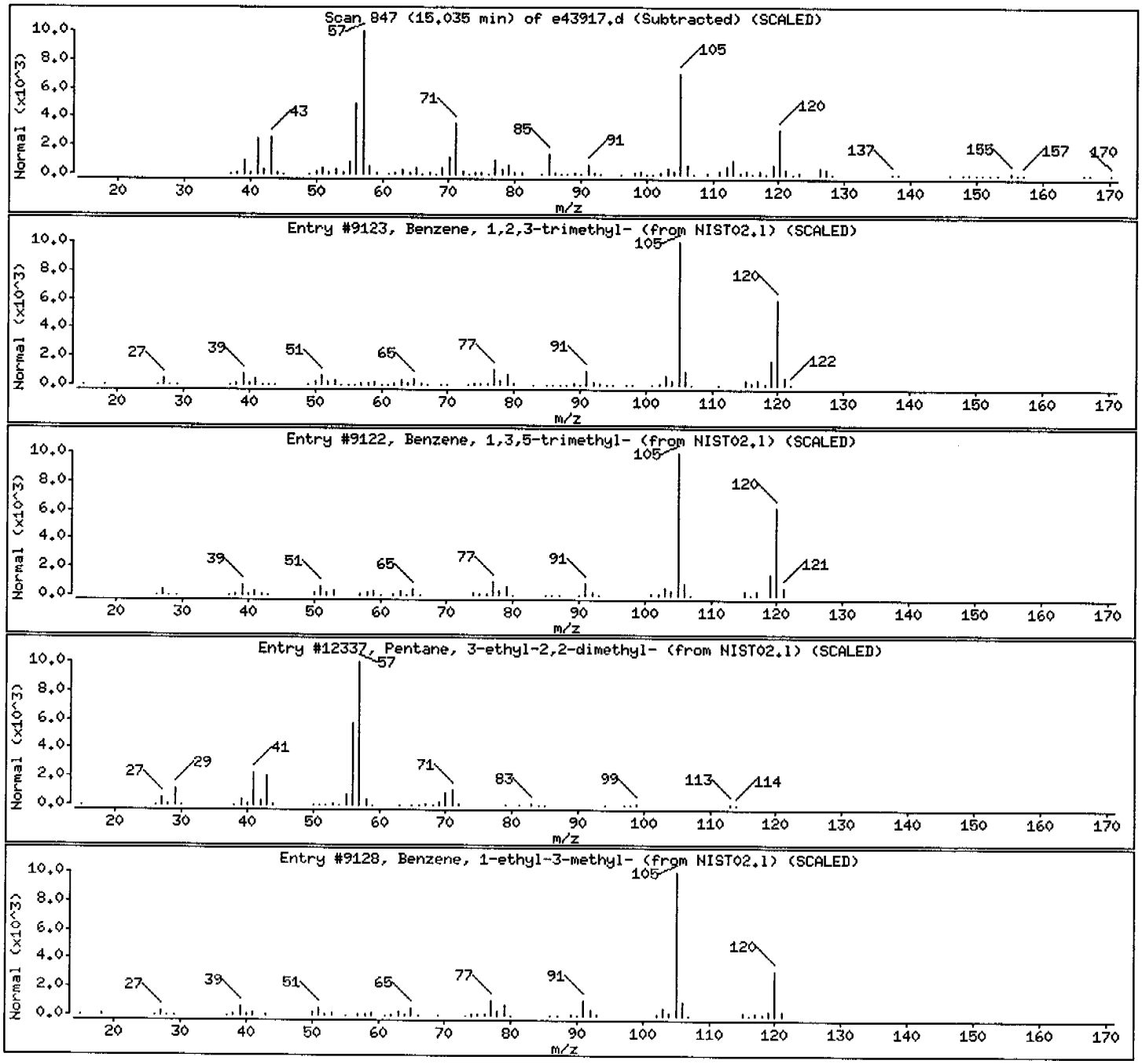
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane/C9H12 Aromatic						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.l	9123	62	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.l	9122	60	C9H12	120
Pentane, 3-ethyl-2,2-dimethyl-	16747-32-3	NIST02.l	12337	38	C9H20	128
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.l	9128	35	C9H12	120



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Date : 06-OCT-2006 00:10

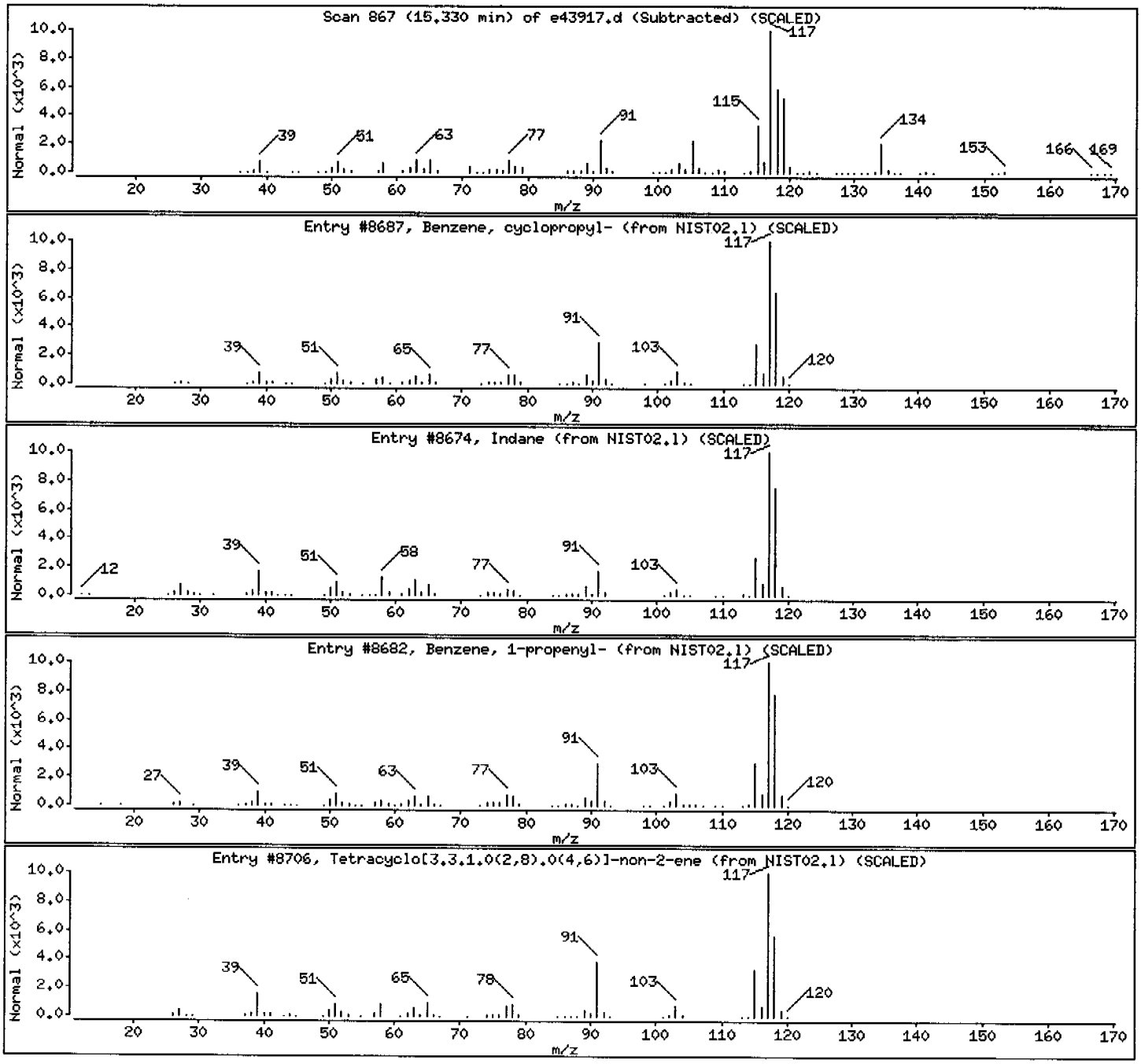
Client ID: B1407-SS01 Instrument: VOAMS5.i

Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H10 Aromatic/C10H14 Aromatic						
Benzene, cyclopropyl-	873-49-4	NIST02.l	8687	87	C9H10	118
Indane	496-11-7	NIST02.l	8674	55	C9H10	118
Benzene, 1-propenyl-	637-50-3	NIST02.l	8682	55	C9H10	118
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-en	1000191-13-7	NIST02.l	8706	55	C9H10	118



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Date : 06-OCT-2006 00:10

Client ID: B1407-SS01

Instrument: VOAMS5.i

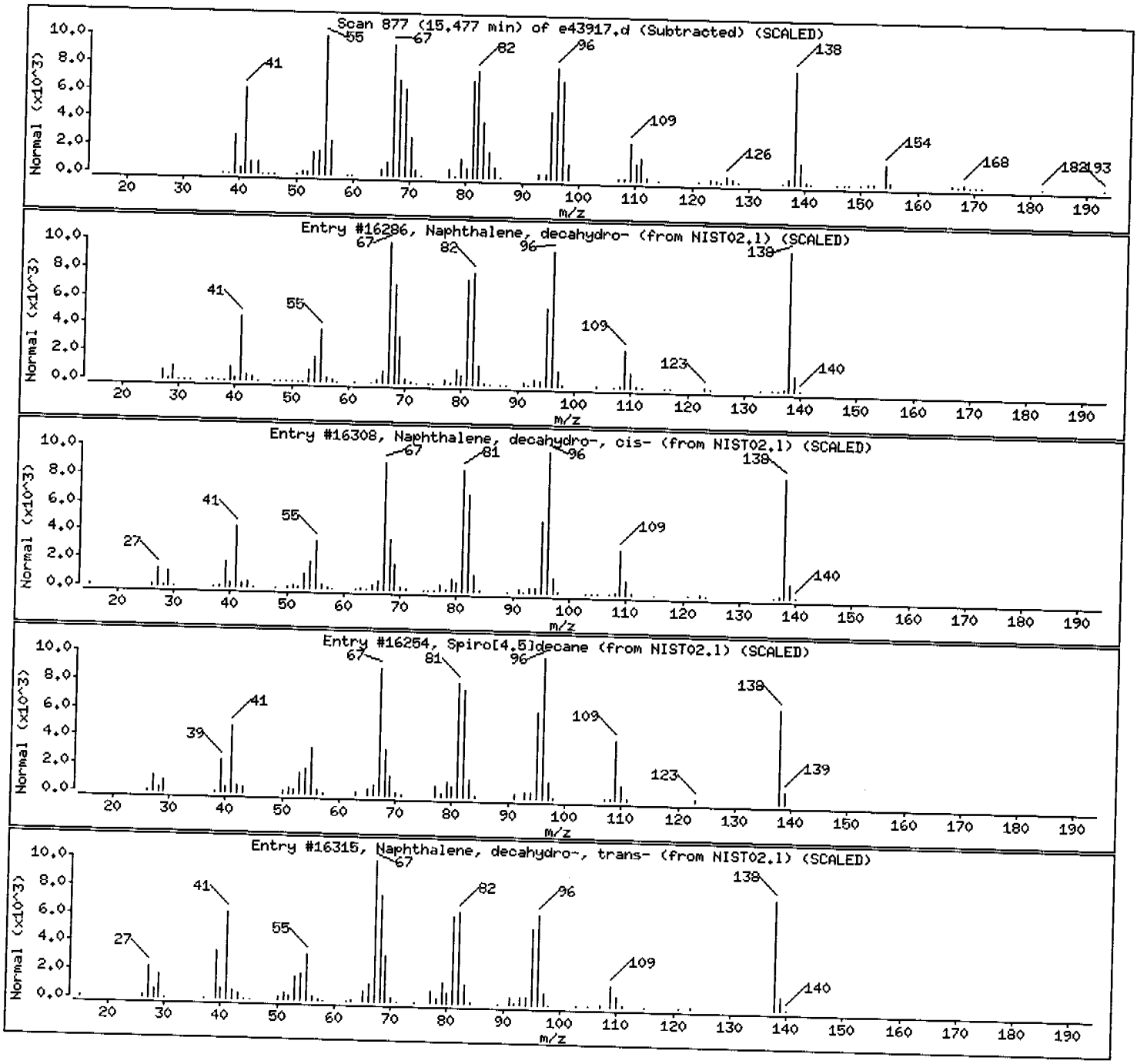
Sample Info: 775272;;;5.31;5

Operator: VOAMS 9

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
Naphthalene, decahydro-	91-17-8	NIST02.1	16286	98	C10H18	138
Naphthalene, decahydro-, cis-	493-01-6	NIST02.1	16308	96	C10H18	138
Spiro[4.5]decane	176-63-6	NIST02.1	16254	93	C10H18	138
Naphthalene, decahydro-, trans-	493-02-7	NIST02.1	16315	90	C10H18	138



Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43942.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.7
Acetone	ND	4.6
Carbon Disulfide	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
2-Butanone	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.7
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
Bromoform	ND	3.6
4-Methyl-2-Pentanone	ND	4.6
2-Hexanone	ND	4.6
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.6
Styrene	ND	4.6
Xylene (Total)	ND	4.6

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43942.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.4 g
Purge Volume: 5.0 ml
% Moisture: 14.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43942.d
Report Date: 10-Oct-2006 14:04

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43942.d
Lab Smp Id: 775273 Client Smp ID: B1407-SS02
Inj Date : 06-OCT-2006 22:57
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : 775273;;;6.42;5
Misc Info : X924;0942;;EM
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/8260L_05.m
Meth Date : 06-Oct-2006 17:04 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.42000	Weight of sample extracted (g)
M	14.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

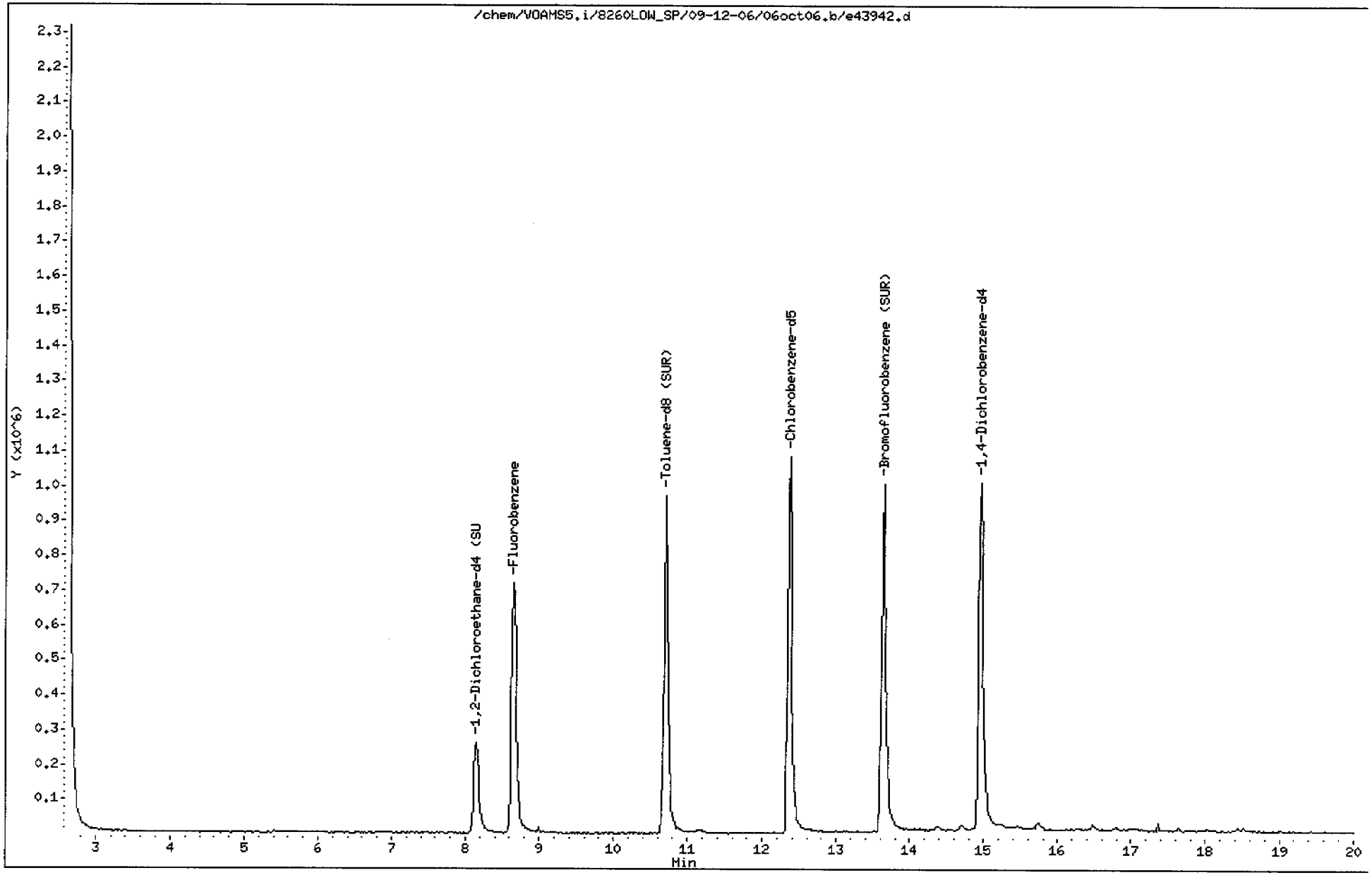
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	8.147	8.128	(0.942)	449374	60.1095	55
* 69 Fluorobenzene	96	8.645	8.627	(1.000)	1708156	50.0000	
$ 37 Toluene-d8 (SUR)	98	10.708	10.694	(0.866)	1441390	51.7247	47
* 32 Chlorobenzene-d5	117	12.362	12.352	(1.000)	1369837	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.636	13.629	(0.912)	632565	53.3732	49
* 91 1,4-Dichlorobenzene-d4	152	14.955	14.952	(1.000)	707171	50.0000	

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43942.d
Date : 06-OCT-2006 22:57
Client ID: B1407-SS02
Sample Info: 775273;;;6.42;5

Column phase: DB624

Instrument: VOAMS5.i

Operator: VOAMS 9
Column diameter: 0.53



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STL Edison

X924

Client ID: **B105-SS01**
Site: Sun Chemical SI

Lab Sample No: **775275**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43919.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Acetone	56 B	5.5
Carbon Disulfide	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	4.2J	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.5
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	5.3	1.1
trans-1,3-Dichloropropene	ND	5.5
Bromoform	ND	4.4
4-Methyl-2-Pentanone	ND	5.5
2-Hexanone	ND	5.5
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	0.9J	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	2.5J	4.4
Styrene	ND	5.5
Xylene (Total)	12	5.5

Client ID: **B105-SS01**
Site: Sun Chemical SI

Lab Sample No: **775275**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43919.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 18.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H20 Cycloalkane/C9H12 Aromatic	14.10	460	
2.	C11H24 Alkane/C9H12 Aromatic	14.37	300	
3.	Trimethylbenzene isomer	14.54	270	
4.	C10H20 Cycloalkane/C10H14 Aromatic	14.82	630	
5.	Decahydronaphthalene isomer	15.49	320	
6.	Tetramethylbenzene isomer	15.74	420	
7.	Methyl-methylethylbenzene isomer	15.83	400	
8.	Coeluting Aromatics	16.02	360	
9.	Coeluting Aromatics	16.28	330	
10.	Tetramethylbenzene isomer	17.09	570	
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TOTAL ESTIMATED CONCENTRATION 4060

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d
Report Date: 10-Oct-2006 20:55

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d
Lab Smp Id: 775275 Client Smp ID: B105-SS01
Inj Date : 06-OCT-2006 01:02
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : 775275;;;5.6;5
Misc Info : X924;0942;;EM
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/8260L_05.m
Meth Date : 05-Oct-2006 22:42 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.60000	Weight of sample extracted (g)
M	18.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	4.915	4.876	(0.566)	56360	50.9209	56
	11 1,1-Dichloroethane	63	6.320	6.297	(0.727)	42575	3.87697	4.2(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	8.193	8.158	(0.943)	395155	61.8966	68
	28 Benzene	78	8.310	8.276	(0.956)	98196	4.82774	5.3
*	69 Fluorobenzene	96	8.690	8.657	(1.000)	1458692	50.0000	
$	37 Toluene-d8 (SUR)	98	10.740	10.709	(0.866)	1223076	51.9330	57
	38 Toluene	91	10.828	10.797	(0.873)	20510	0.83307	0.91(a)
*	32 Chlorobenzene-d5	117	12.397	12.371	(1.000)	1157698	50.0000	
	40 Ethylbenzene	106	12.515	12.505	(1.009)	16611	2.30343	2.5(a)
	43 m+p-Xylene	106	12.647	12.623	(1.020)	53760	4.71280	5.2(a)
	44 o-Xylene	106	13.087	13.065	(1.056)	66187	6.25284	6.9
$	41 Bromofluorobenzene (SUR)	174	13.675	13.655	(0.912)	581482	52.4145	58
*	91 1,4-Dichlorobenzene-d4	152	15.000	14.971	(1.000)	661954	50.0000	
M	45 Xylene (Total)	100				119947	10.7738	12

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d
Report Date: 10-Oct-2006 20:55

QC Flag Legend

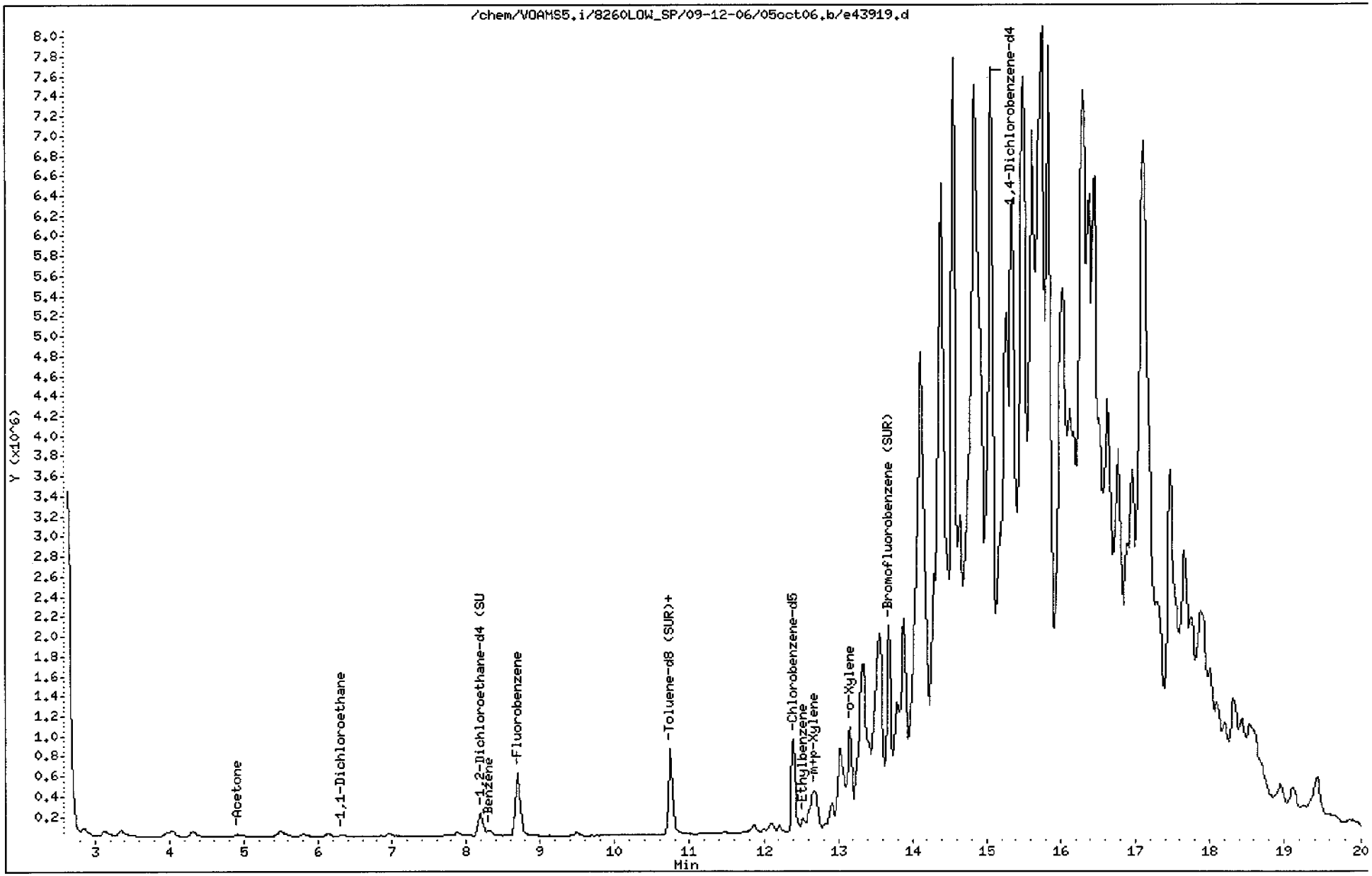
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d
Date : 06-OCT-2006 01:02
Client ID: B105-SS01
Sample Info: 775275;;;5.6;5

Instrument: VOAMS5.i

Operator: VOAMS 9
Column diameter: 0.53

Column phase: DB624



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STL Edison
X924

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

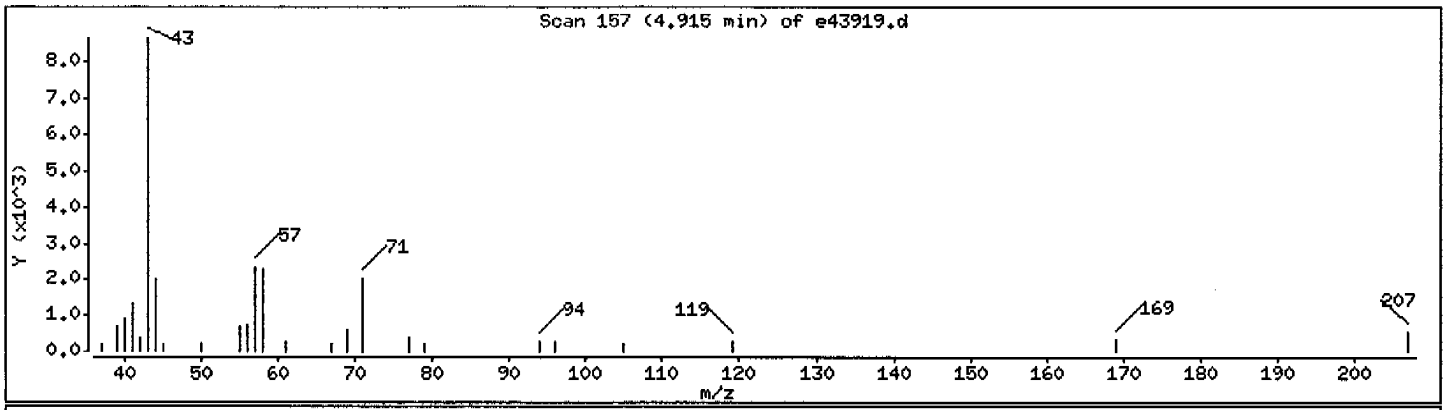
Client ID: B105-SS01 Instrument: VOAMS5.i

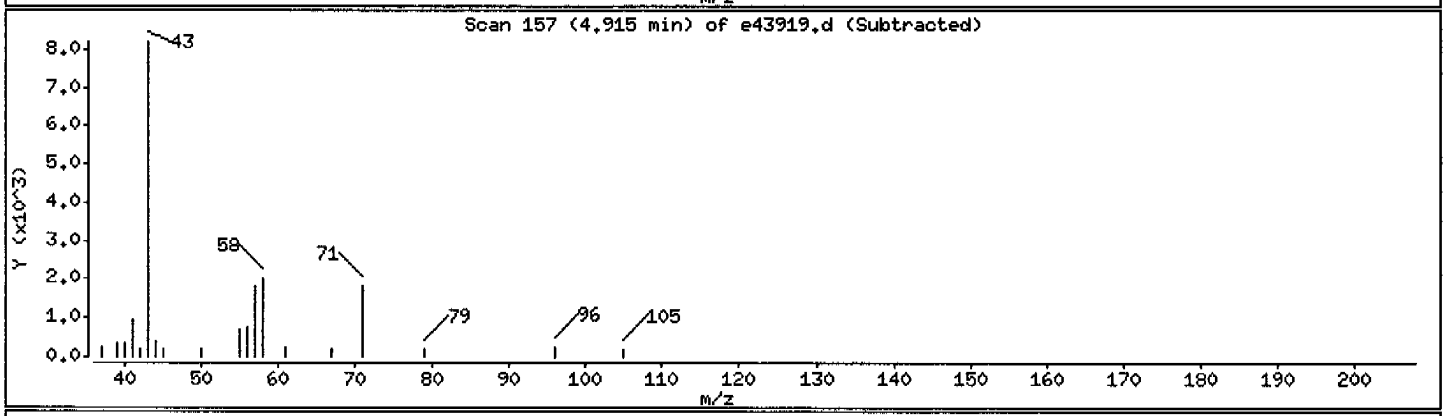
Sample Info: 775275;;;5.6;5

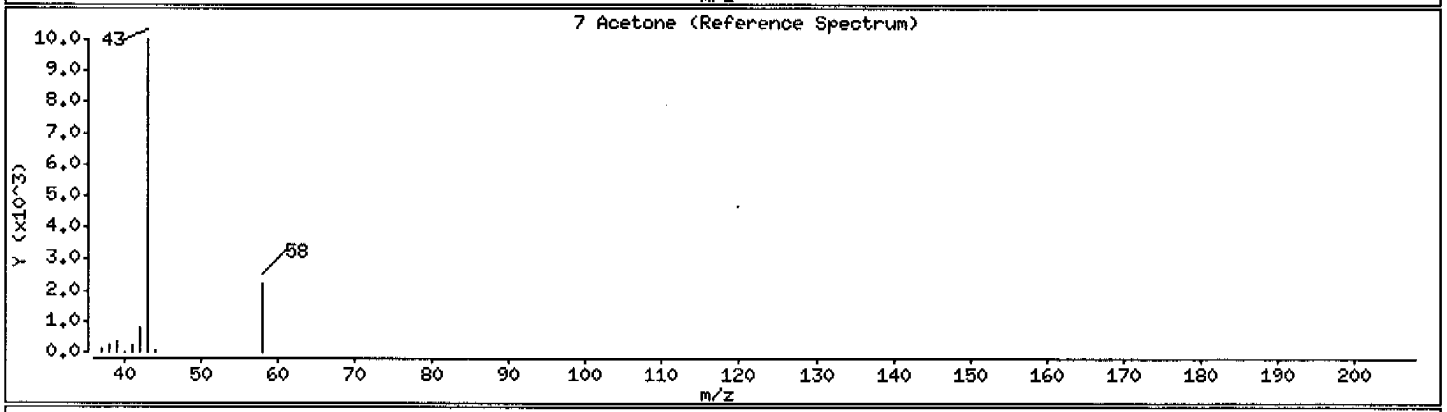
Operator: VOAMS 9

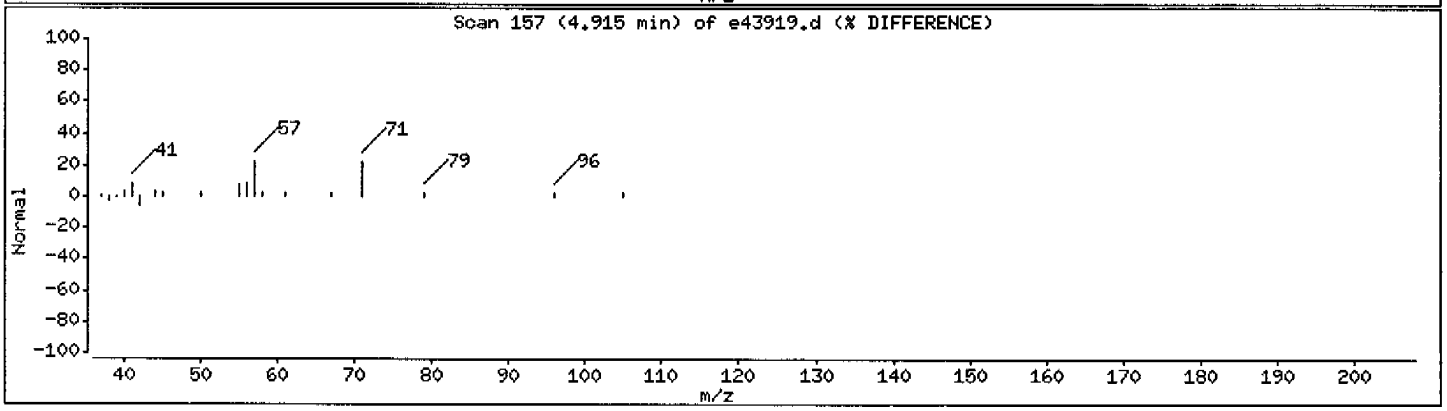
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 56 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

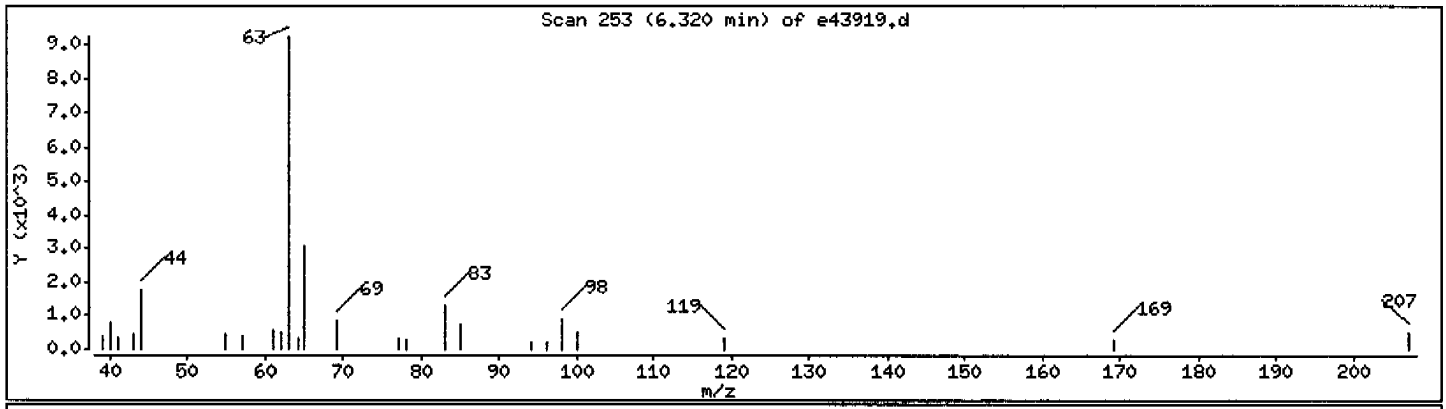
Client ID: B105-SS01 Instrument: VOAMS5.i

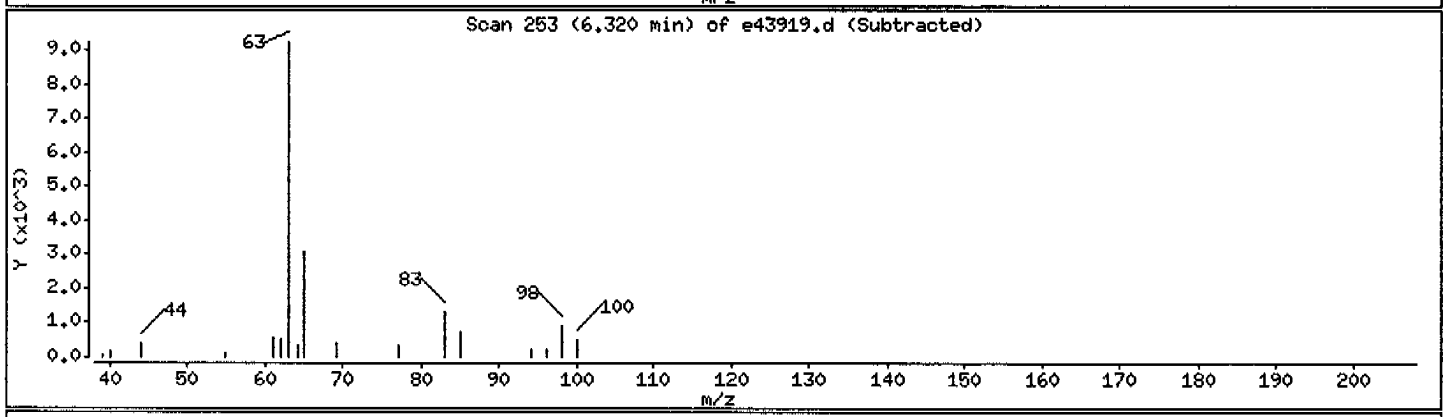
Sample Info: 775275;;;5,6;5

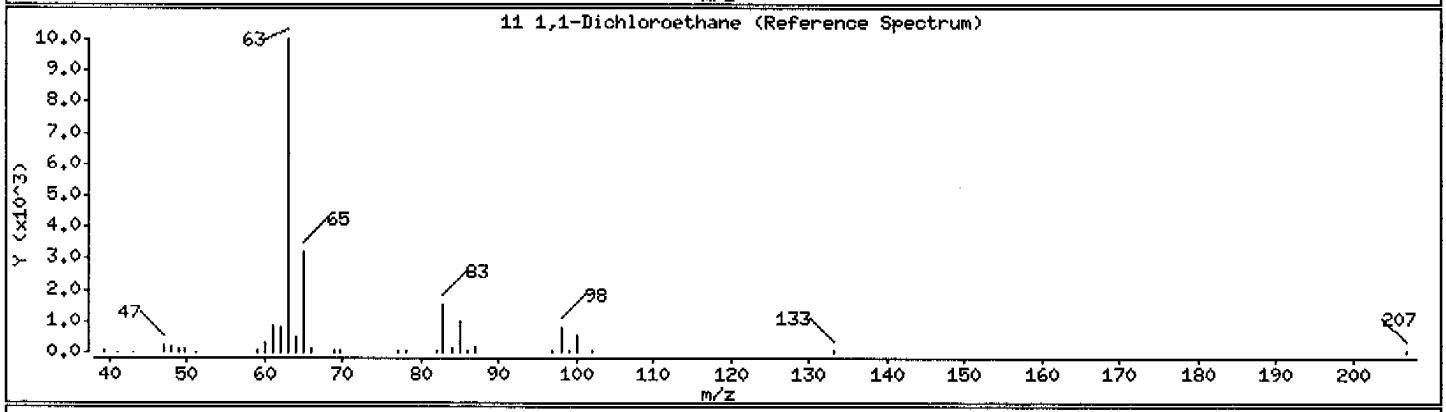
Operator: VOAMS 9

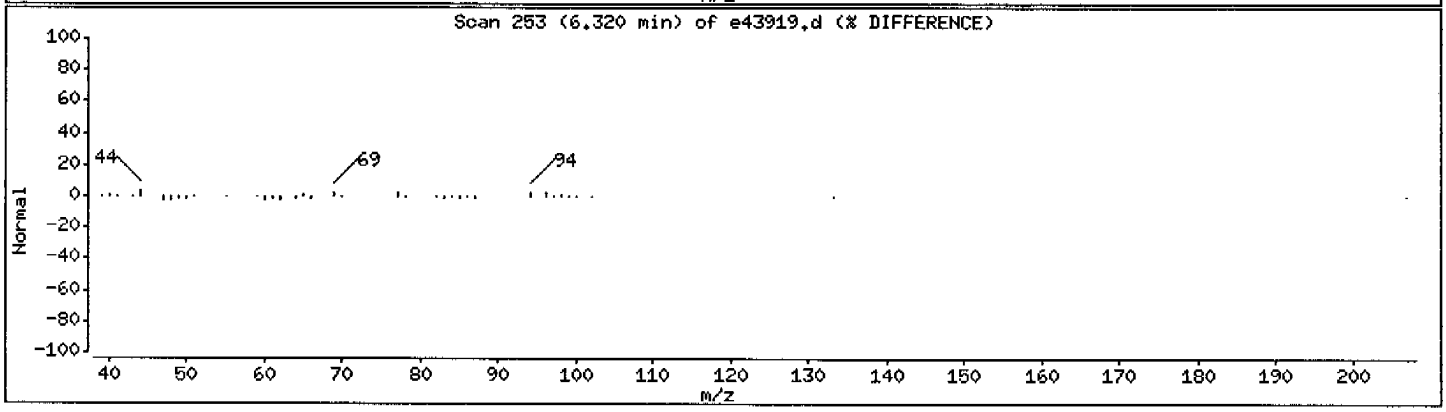
Column phase: DB624 Column diameter: 0.53

11 1,1-Dichloroethane Concentration: 4.2 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

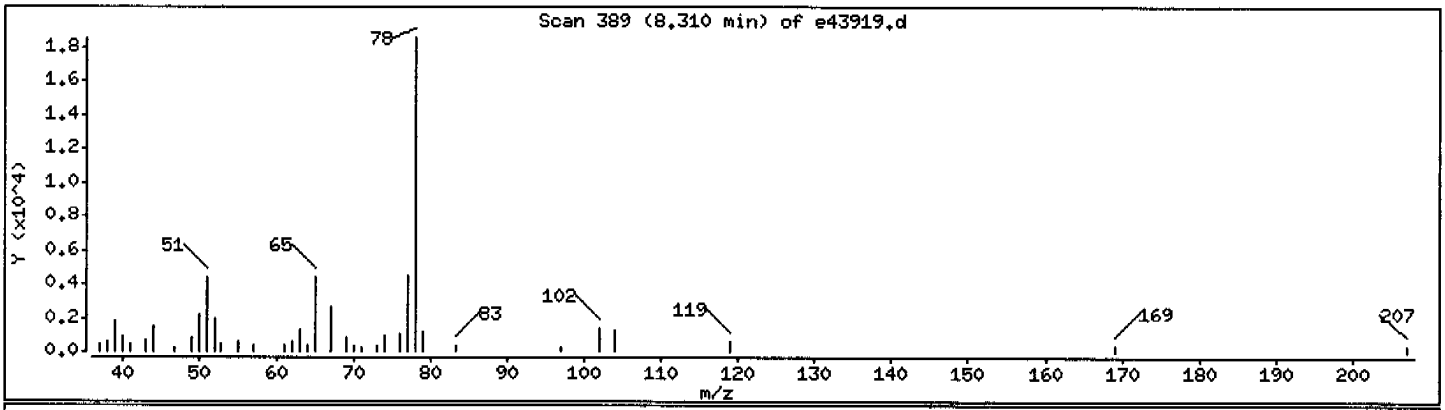
Client ID: B105-SS01 Instrument: VOAMS5.i

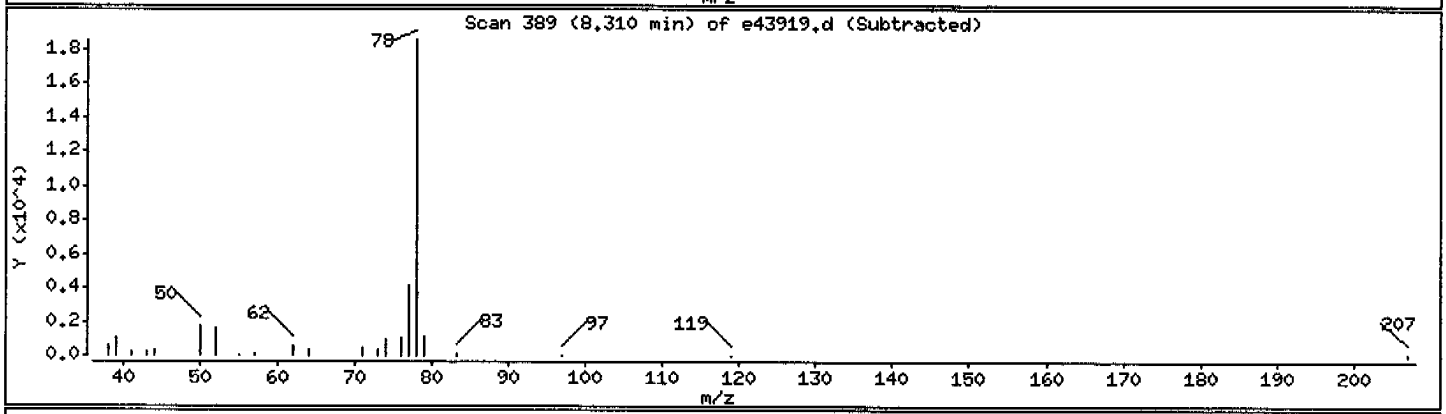
Sample Info: 775275;;;5.6;5

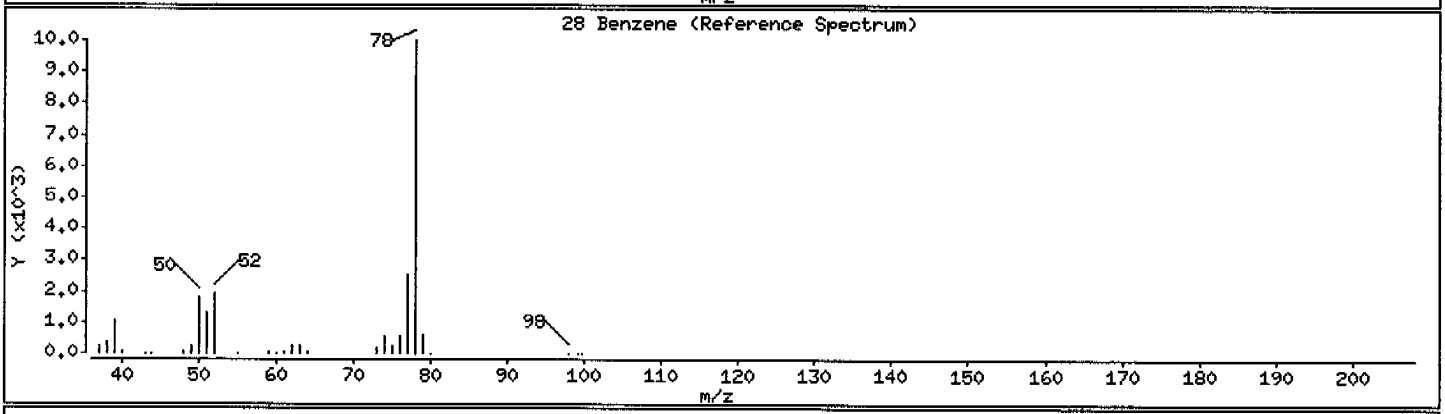
Operator: VOAMS 9

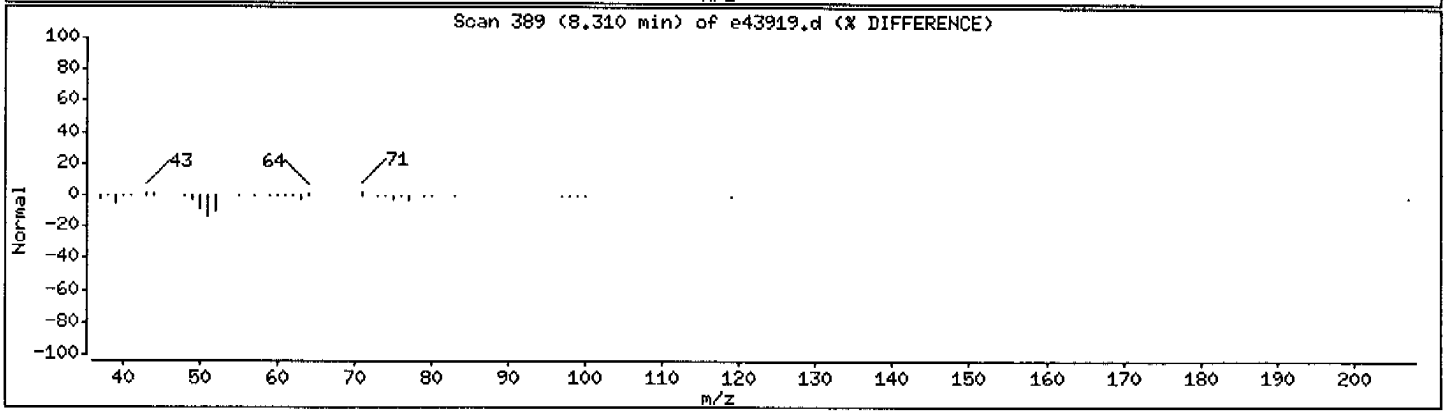
Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 5.3 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

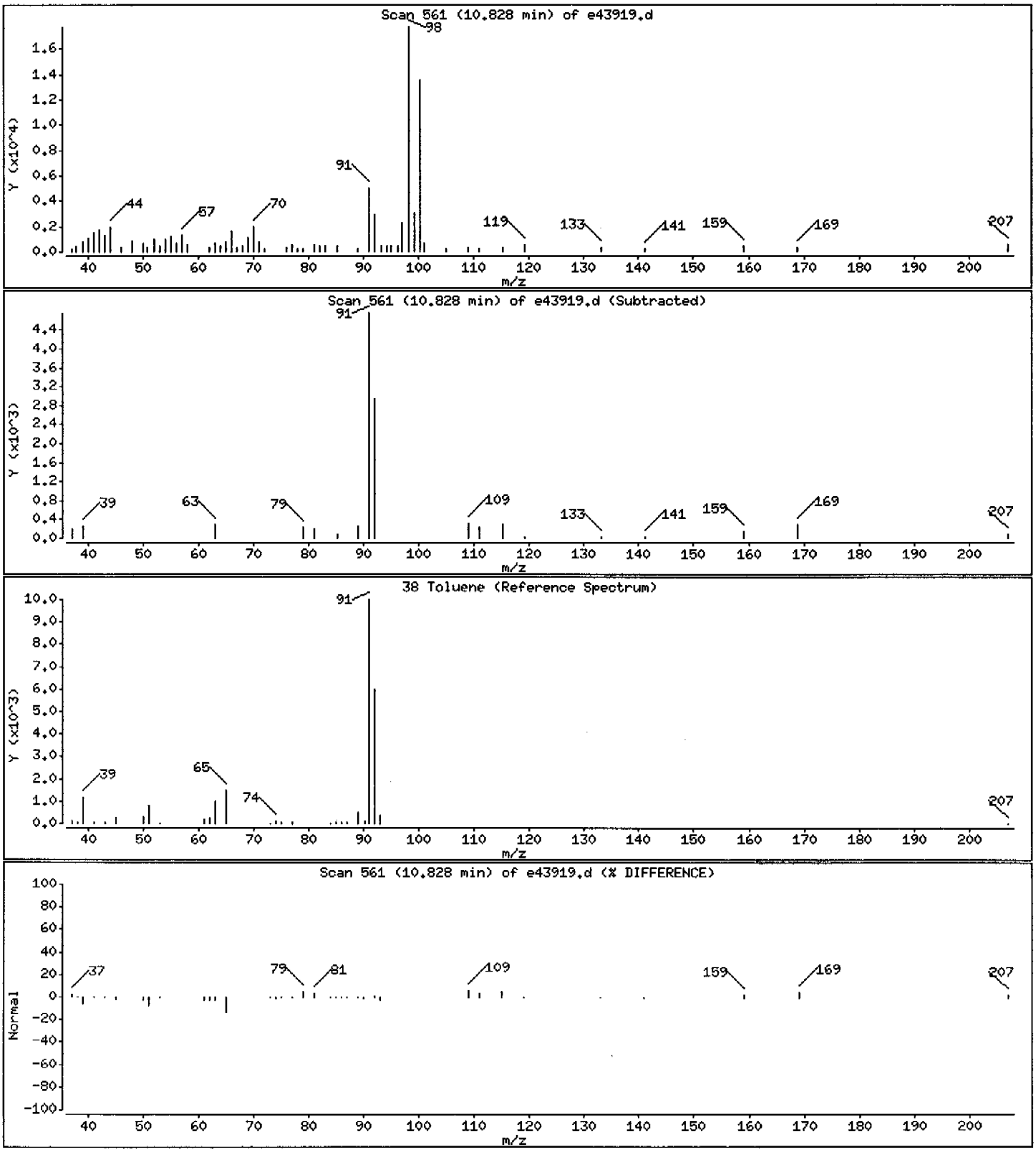
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

38 Toluene Concentration: 0.91 ug/Kg



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

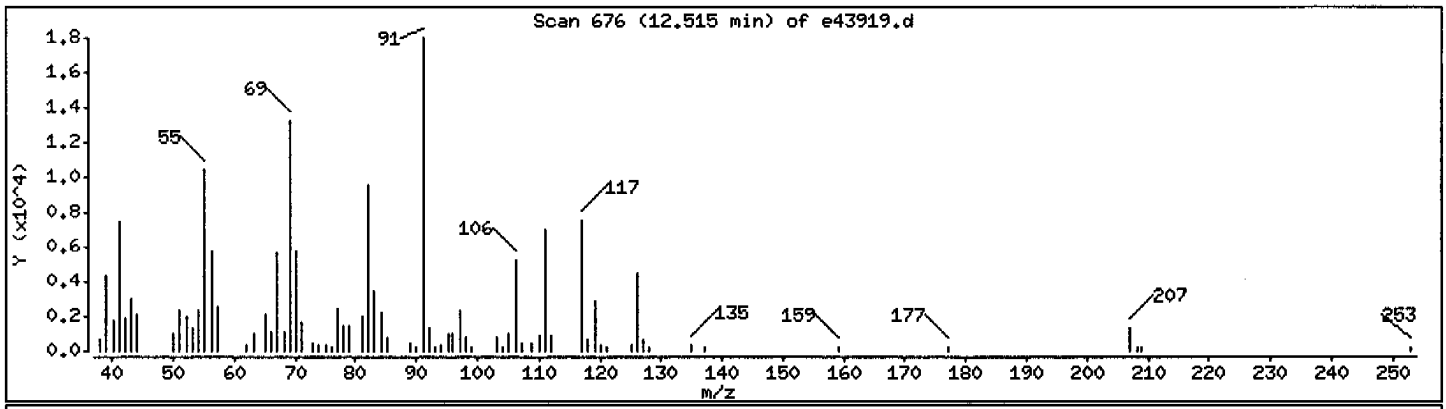
Client ID: B105-SS01 Instrument: VOAMS5.i

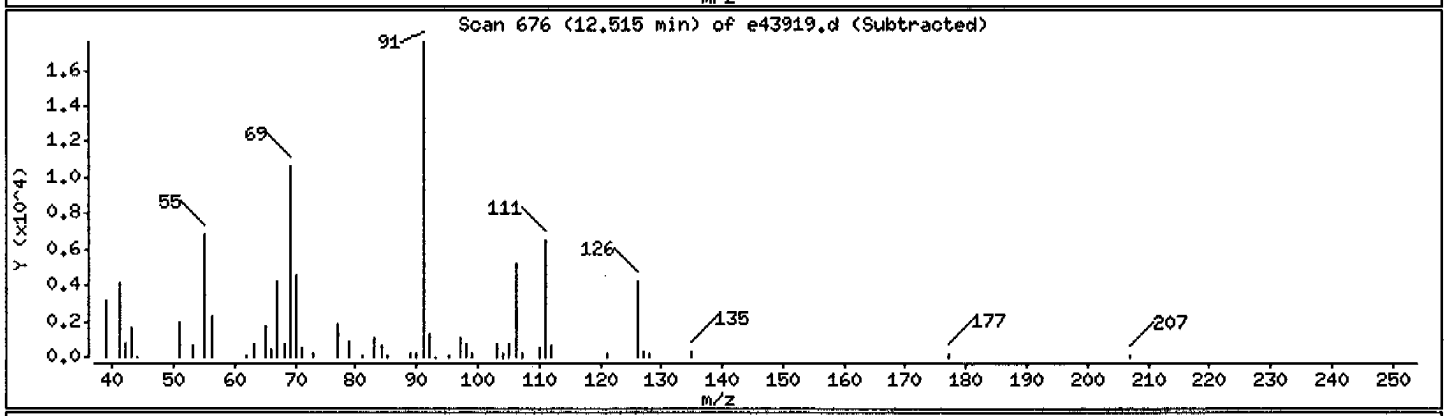
Sample Info: 775275;;;5.6;5

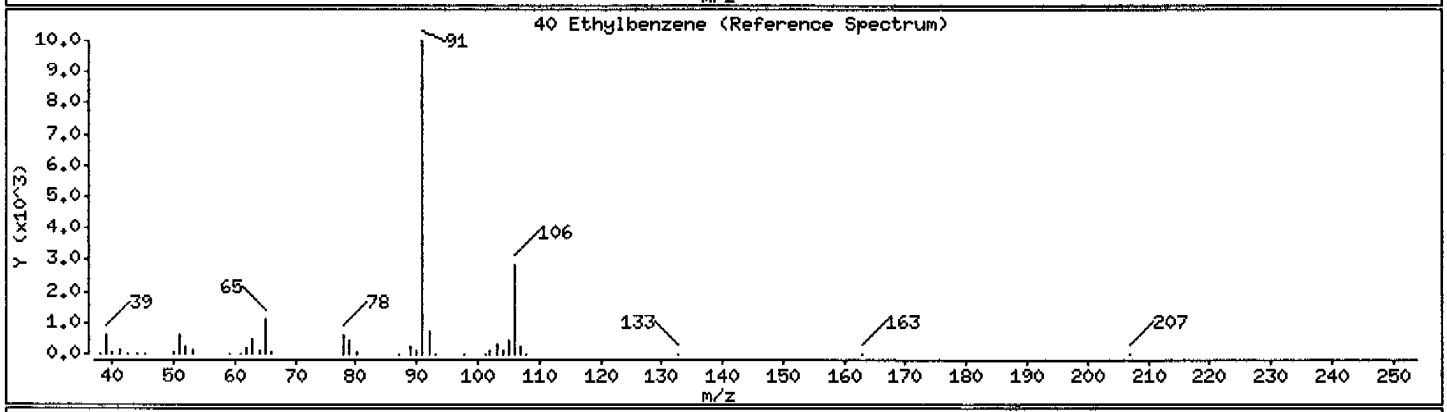
Operator: VOAMS 9

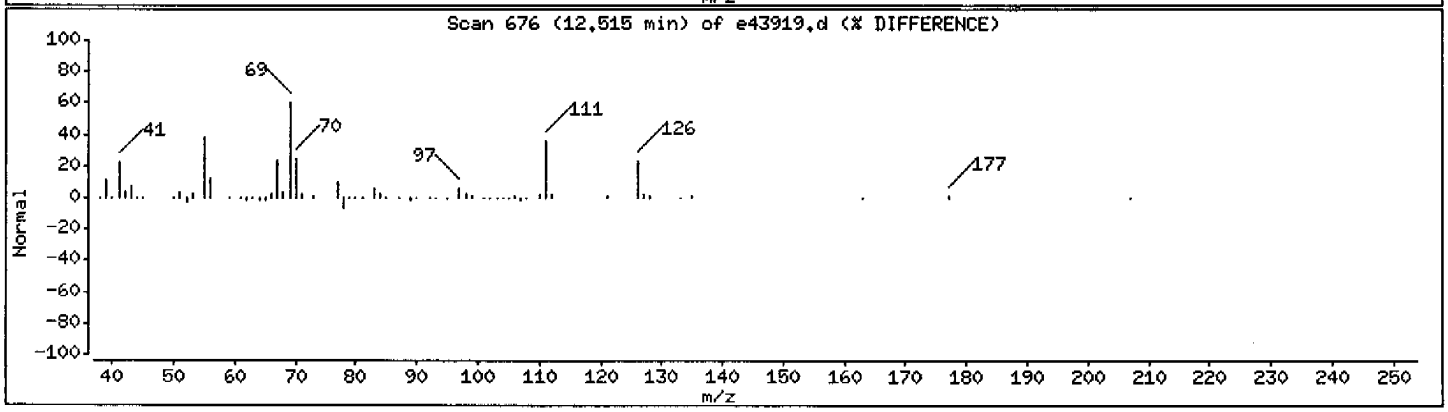
Column phase: DB624 Column diameter: 0.53

40 Ethylbenzene Concentration: 2.5 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

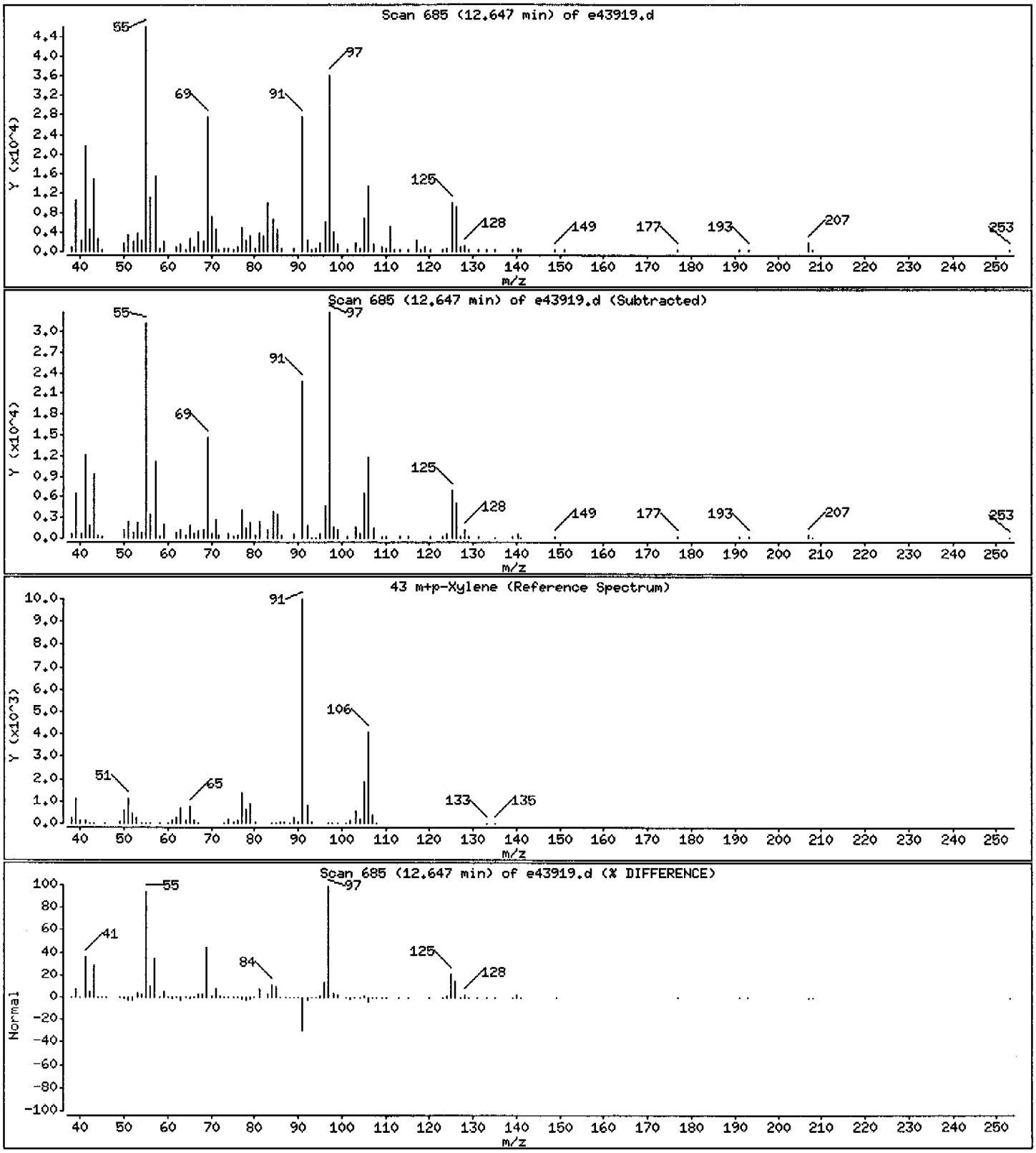
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

43 m+p-Xylene Concentration: 5.2 ug/Kg



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

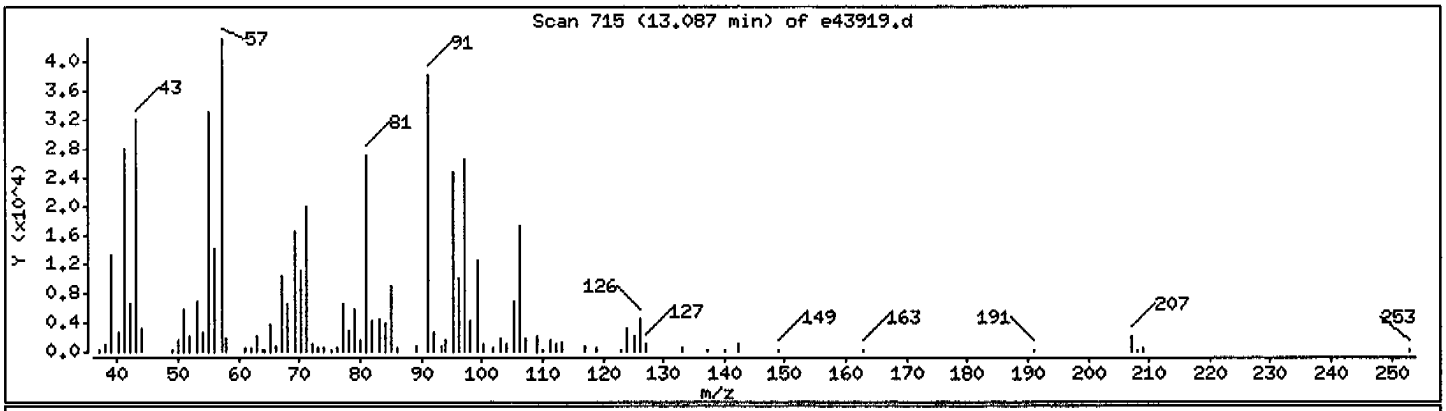
Client ID: B105-SS01 Instrument: VOAMS5.i

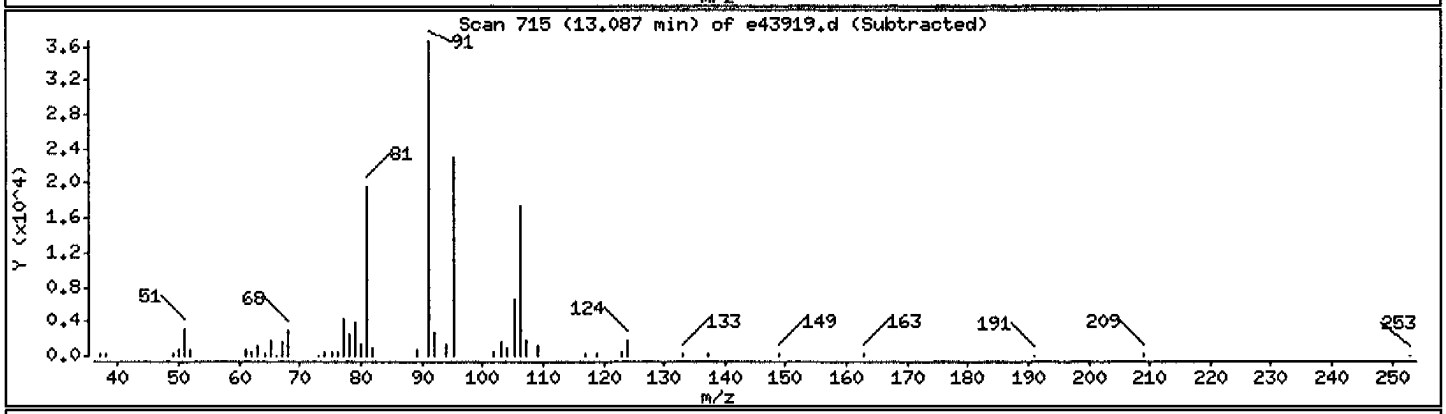
Sample Info: 775275;;;5.6;5

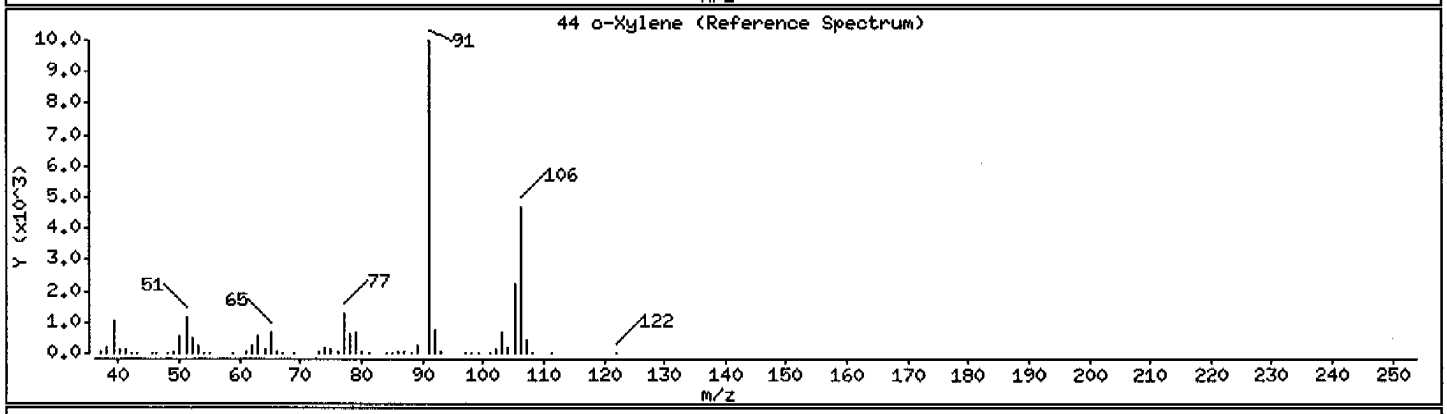
Operator: VOAMS 9

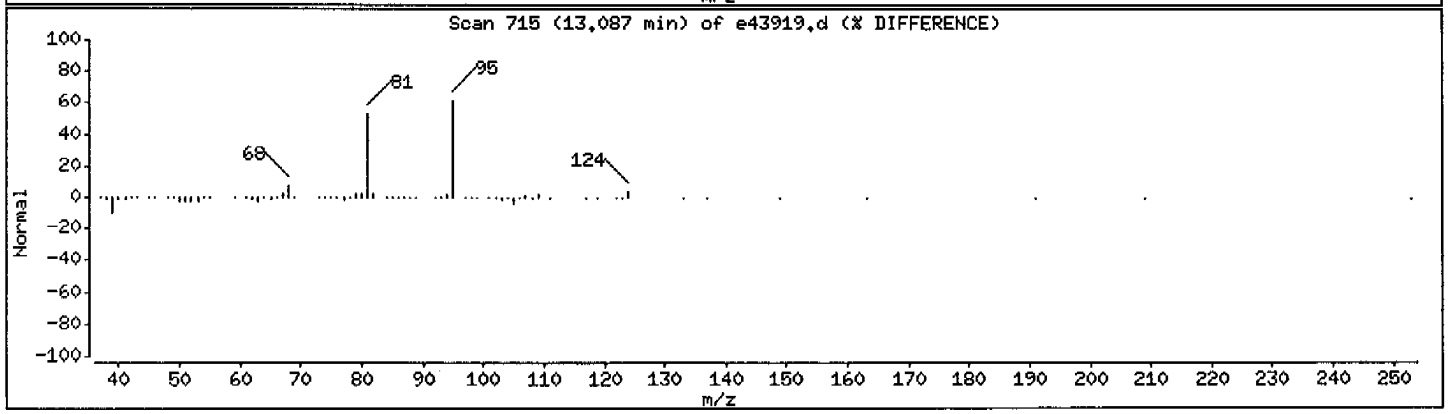
Column phase: DB624 Column diameter: 0.53

44 o-Xylene Concentration: 6.9 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

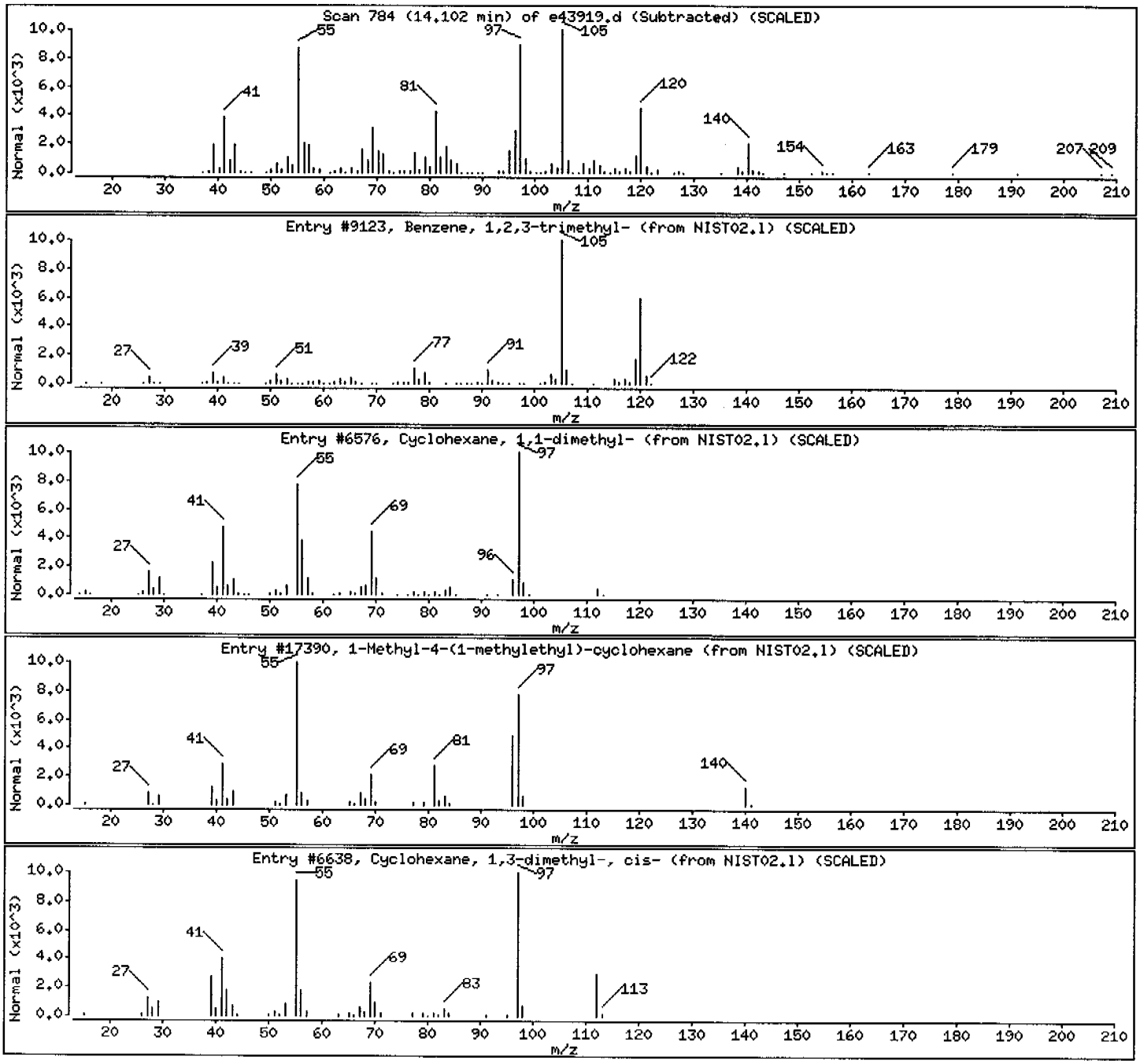
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane/C9H12 Aromatic						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.l	9123	53	C9H12	120
Cyclohexane, 1,1-dimethyl-	590-66-9	NIST02.l	6576	38	C8H16	112
1-Methyl-4-(1-methylethyl)-cyclohexane	99-82-1	NIST02.l	17390	38	C10H20	140
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NIST02.l	6638	35	C8H16	112



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

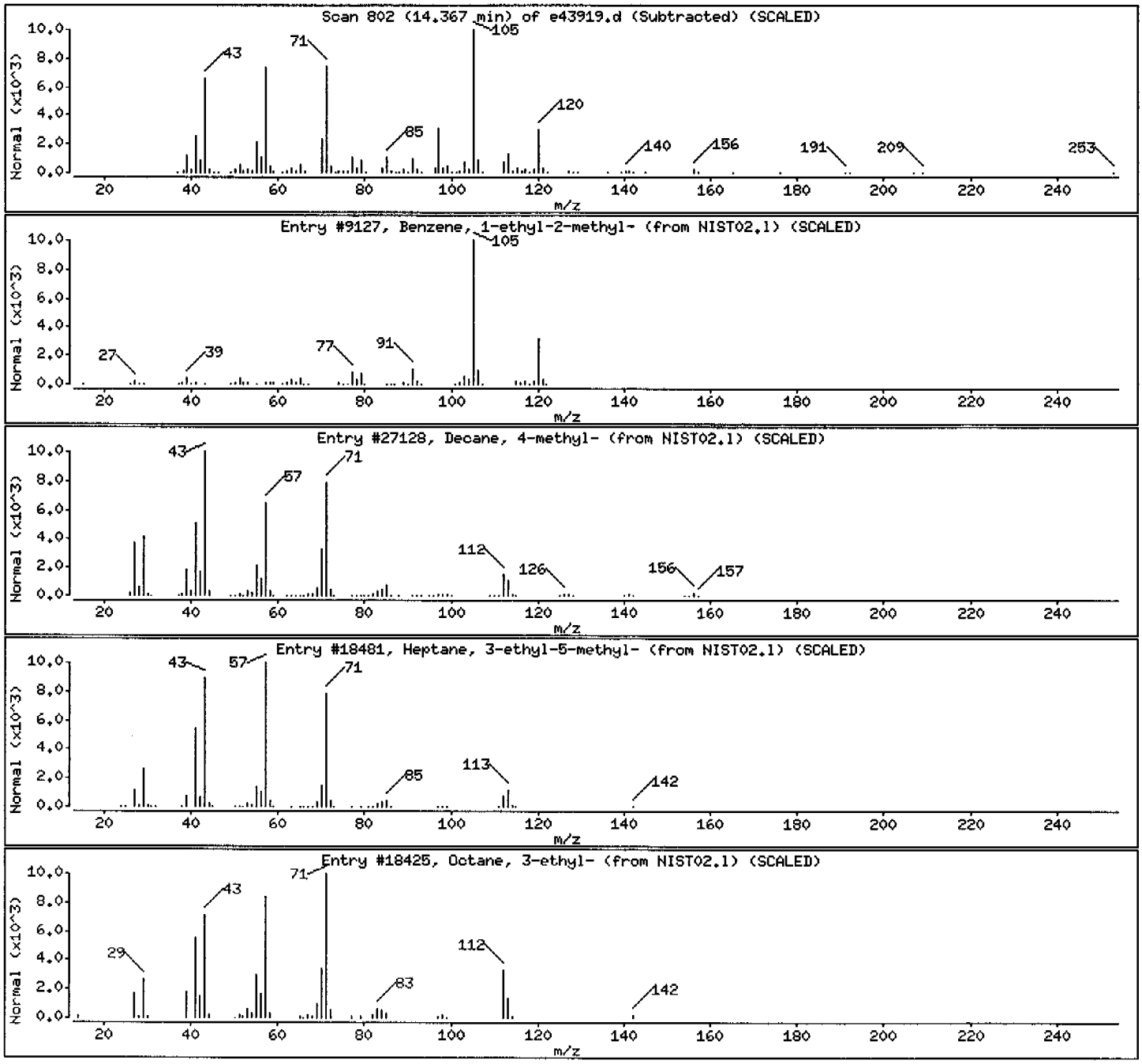
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane/C9H12 Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.l	9127	56	C9H12	120
Decane, 4-methyl-	2847-72-5	NIST02.l	27128	53	C11H24	156
Heptane, 3-ethyl-5-methyl-	52896-90-9	NIST02.l	18481	47	C10H22	142
Octane, 3-ethyl-	5881-17-4	NIST02.l	18425	47	C10H22	142



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

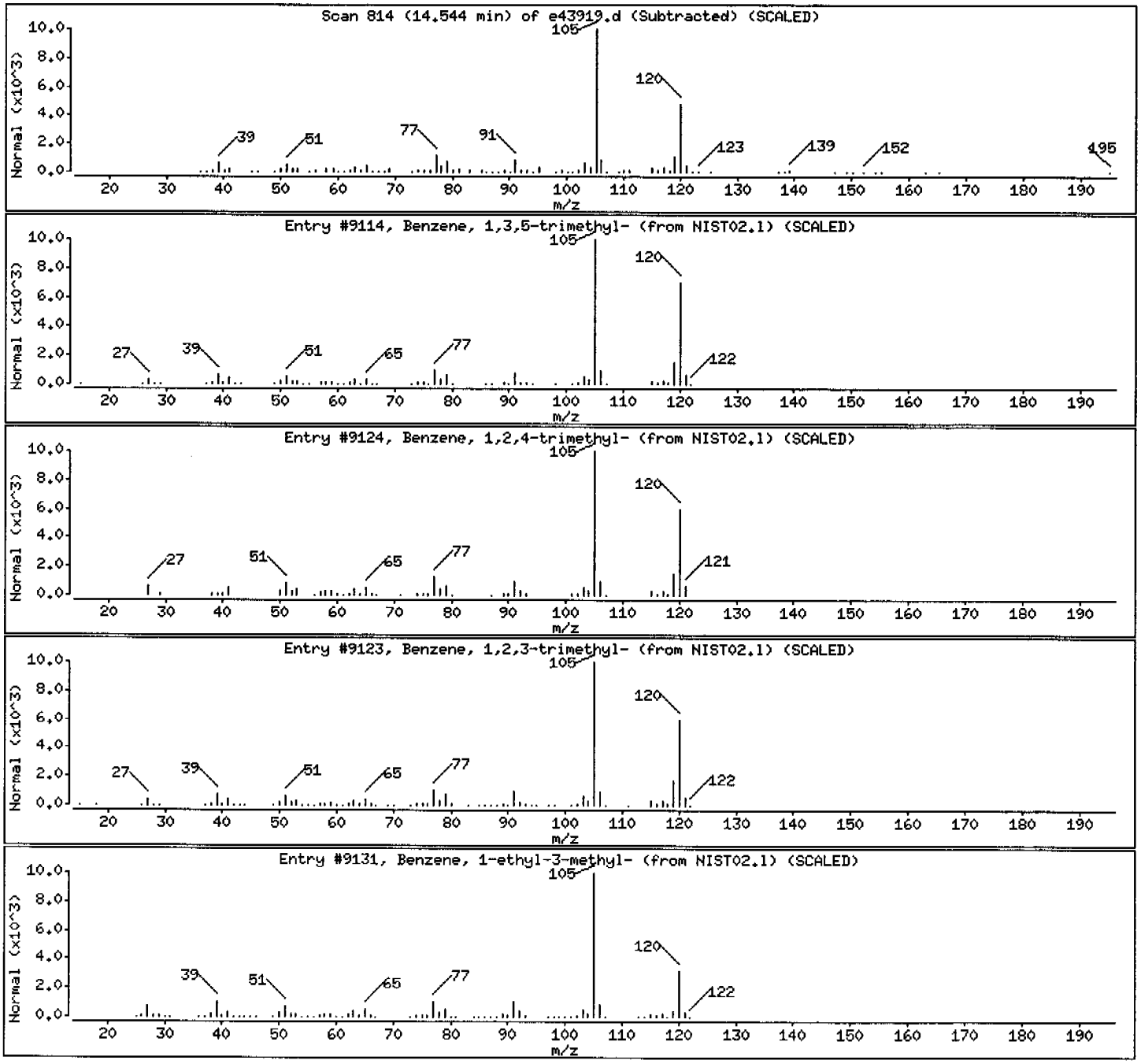
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer						
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.l	9114	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.l	9124	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.l	9123	93	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.l	9131	87	C9H12	120



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Date : 06-OCT-2006 01:02

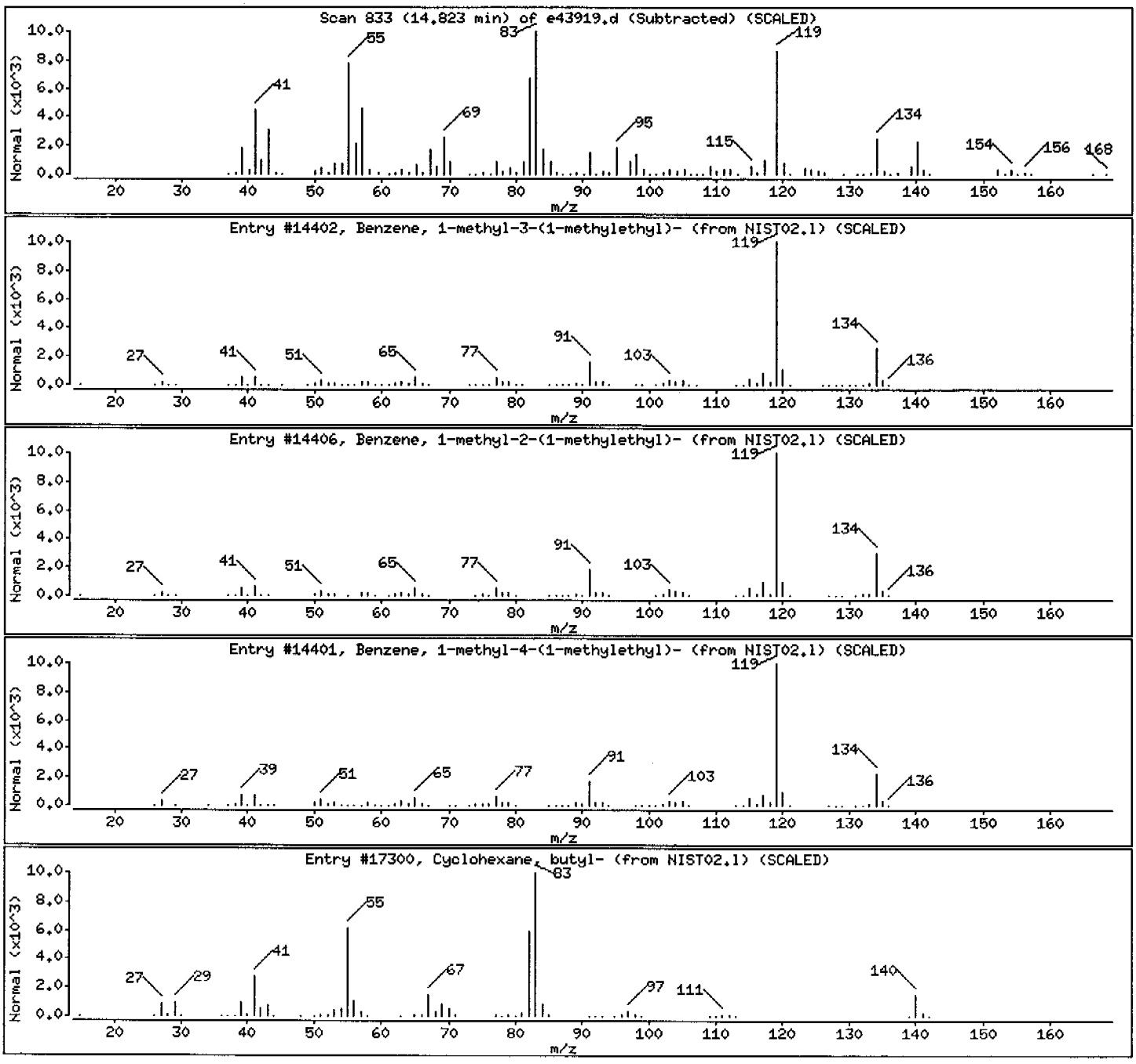
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane/C10H14 Aromatic						
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14402	70	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	70	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST02.l	14401	70	C10H14	134
Cyclohexane, butyl-	1678-93-9	NIST02.l	17300	50	C10H20	140



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Date : 06-OCT-2006 01:02

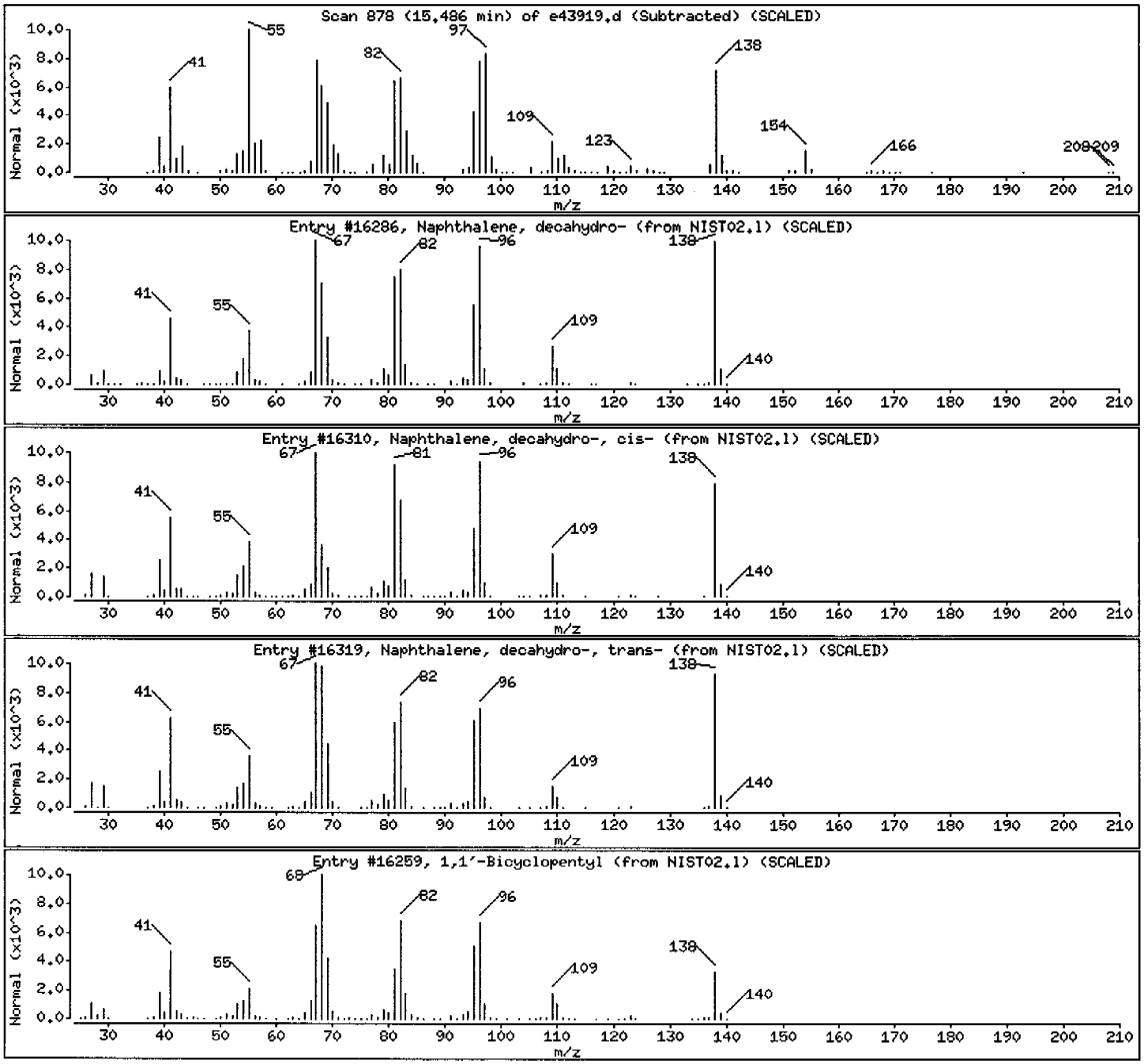
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
Naphthalene, decahydro-	91-17-8	NIST02.l	16286	98	C10H18	138
Naphthalene, decahydro-, cis-	493-01-6	NIST02.l	16310	96	C10H18	138
Naphthalene, decahydro-, trans-	493-02-7	NIST02.l	16319	70	C10H18	138
1,1'-Bicyclopentyl	1636-39-1	NIST02.l	16259	64	C10H18	138



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Date : 06-OCT-2006 01:02

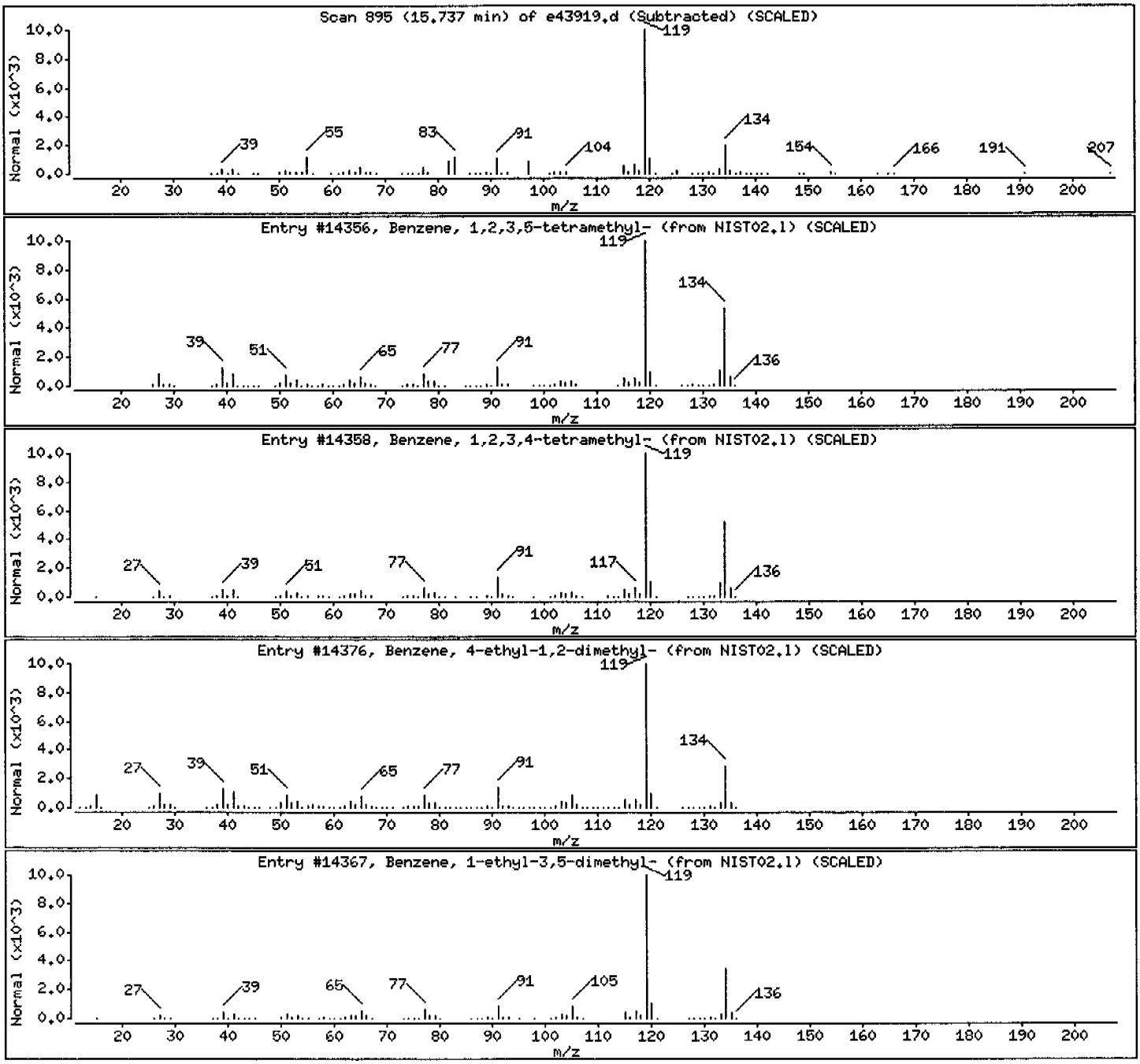
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetramethylbenzene isomer						
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NIST02.l	14356	87	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.l	14358	87	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST02.l	14376	87	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST02.l	14367	83	C10H14	134



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Date : 06-OCT-2006 01:02

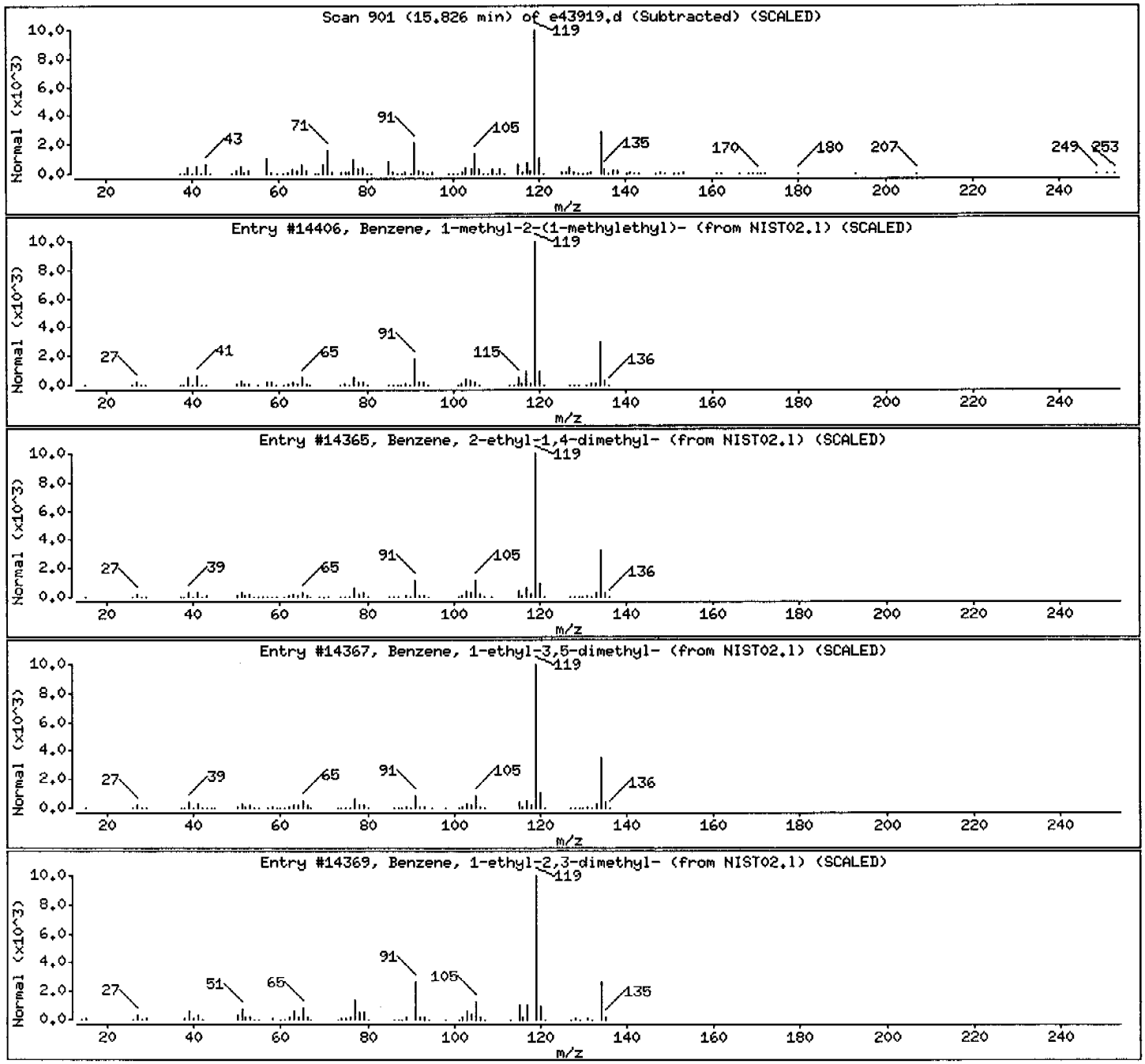
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methyl-methylethylbenzene isomer						
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	95	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST02.l	14365	93	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST02.l	14367	87	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NIST02.l	14369	87	C10H14	134



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Date : 06-OCT-2006 01:02

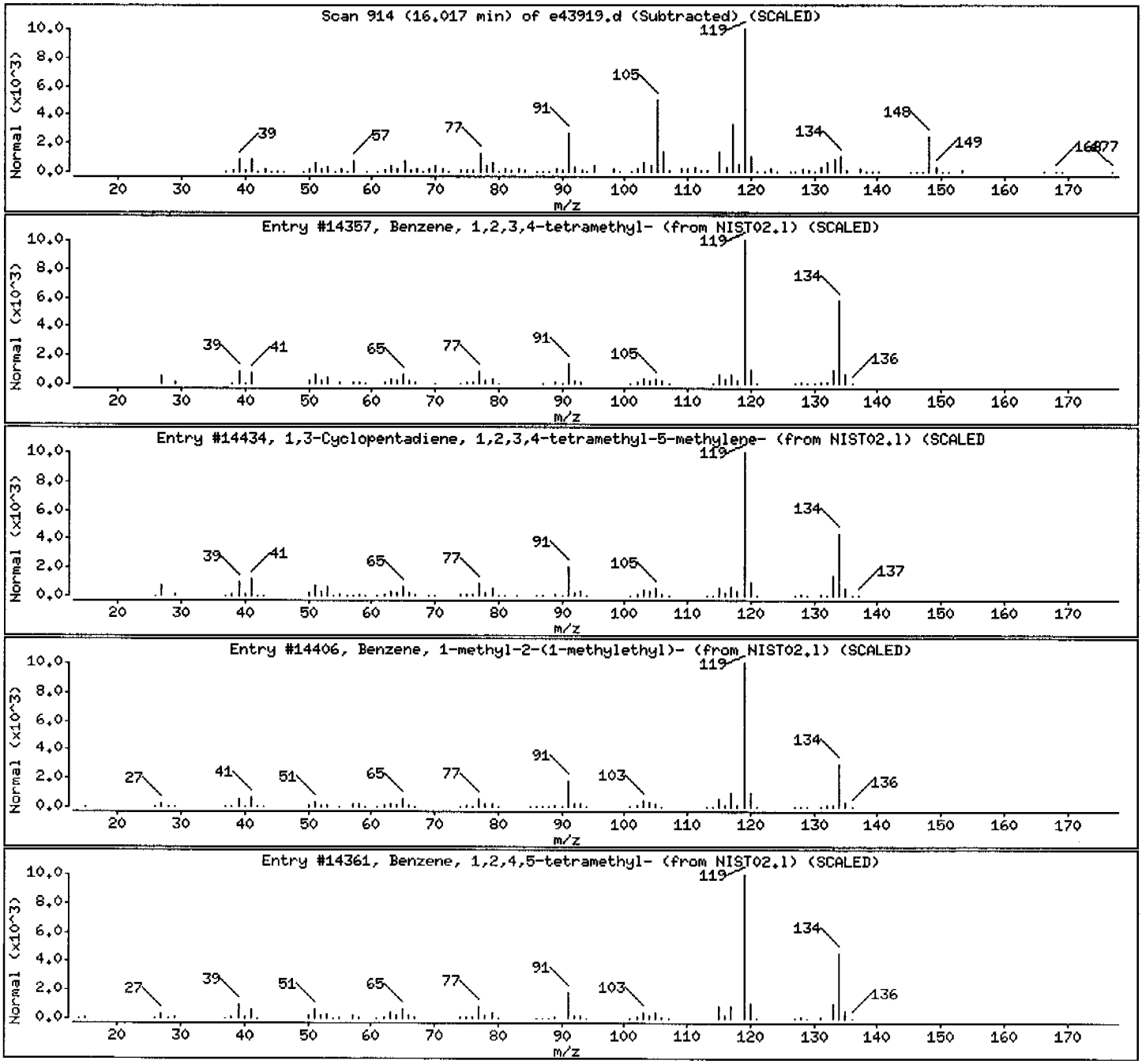
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Aromatics						
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.l	14357	70	C10H14	134
1,3-Cyclopentadiene, 1,2,3,4-tetramethyl	76089-59-3	NIST02.l	14434	70	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	64	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.l	14361	64	C10H14	134



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

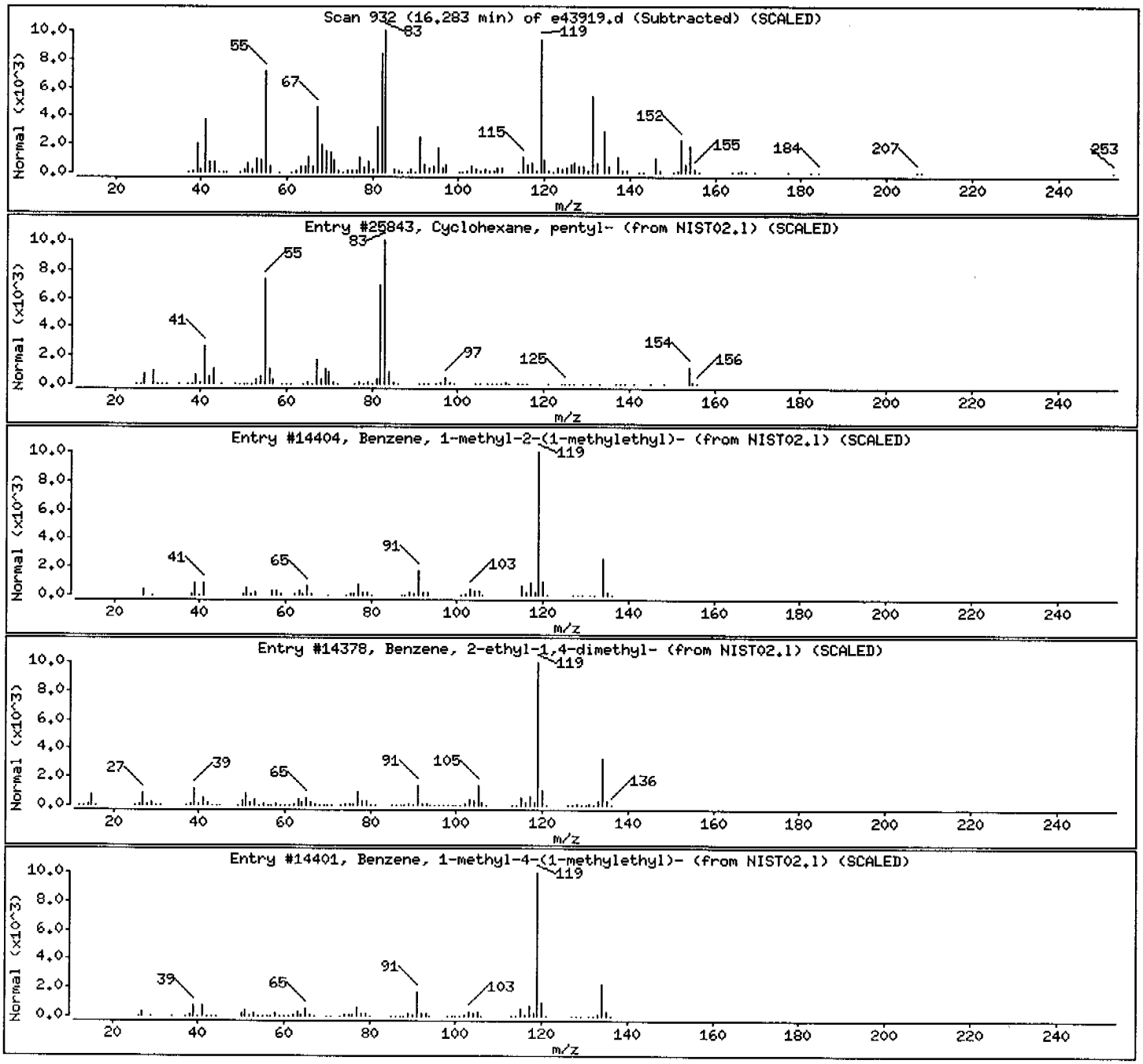
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Aromatics						
Cyclohexane, pentyl-	4292-92-6	NIST02.l	25843	41	C11H22	154
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14404	25	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST02.l	14378	25	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST02.l	14401	25	C10H14	134



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43919.d

Date : 06-OCT-2006 01:02

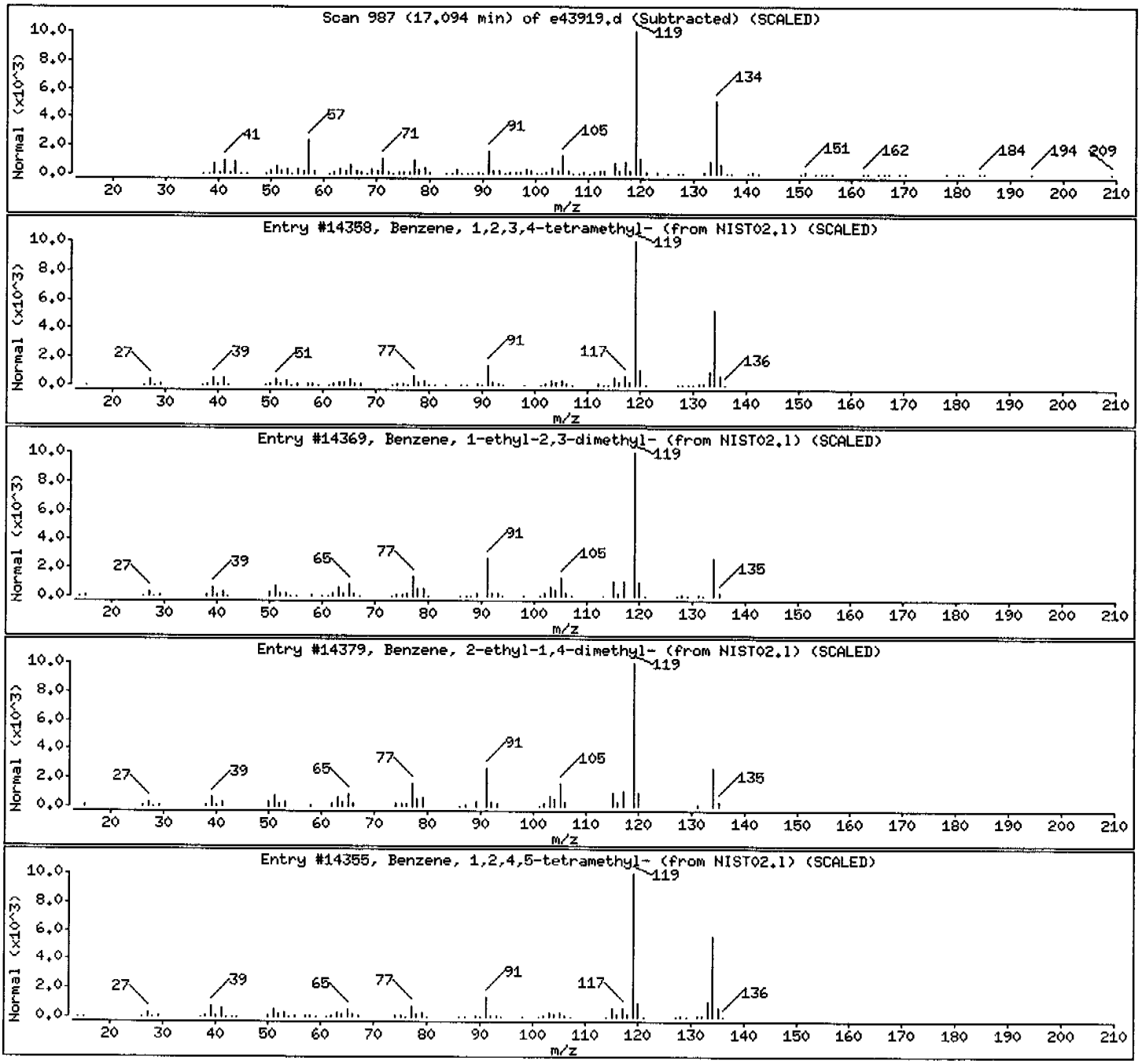
Client ID: B105-SS01 Instrument: VOAMS5.i

Sample Info: 775275;;;5.6;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetramethylbenzene isomer						
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.l	14358	97	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NIST02.l	14369	96	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST02.l	14379	96	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.l	14355	96	C10H14	134



Client ID: **B105-SS02**
Site: Sun Chemical SI

Lab Sample No: **775276**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43920.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.9
Bromomethane	ND	5.9
Vinyl Chloride	ND	5.9
Chloroethane	ND	5.9
Methylene Chloride	ND	3.6
Acetone	70 B	5.9
Carbon Disulfide	ND	5.9
1,1-Dichloroethene	ND	2.4
1,1-Dichloroethane	1.2J	5.9
trans-1,2-Dichloroethene	ND	5.9
cis-1,2-Dichloroethene	ND	5.9
Chloroform	ND	5.9
1,2-Dichloroethane	ND	2.4
2-Butanone	ND	5.9
1,1,1-Trichloroethane	ND	5.9
Carbon Tetrachloride	ND	2.4
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	5.9
Trichloroethene	ND	1.2
Dibromochloromethane	ND	5.9
1,1,2-Trichloroethane	ND	3.6
Benzene	2.0	1.2
trans-1,3-Dichloropropene	ND	5.9
Bromoform	ND	4.7
4-Methyl-2-Pentanone	ND	5.9
2-Hexanone	ND	5.9
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	5.9
Chlorobenzene	ND	5.9
Ethylbenzene	2.3J	4.7
Styrene	ND	5.9
Xylene (Total)	9.3	5.9

Client ID: **B105-SS02**
Site: Sun Chemical SI

Lab Sample No: **775276**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43920.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 18.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	13.54	470	
2.	C10H20 Cycloalkane	14.10	1000	
3.	C11H24 Alkane/Unknown Aromatic	14.38	1400	
4.	Trimethylbenzene isomer	14.54	590	
5.	C10H20 Cycloalkane	14.82	1800	
6.	Decahydronaphthalene isomer	15.49	1100	
7.	Methylpropylbenzene isomer	15.61	660	
8.	Unknown	15.74	660	
9.	Ethyldimethylbenzene isomer	15.83	590	
10.	Ethyldimethylbenzene isomer	17.09	430	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION 8700

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d
Report Date: 10-Oct-2006 20:55

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d
Lab Smp Id: 775276 Client Smp ID: B105-SS02
Inj Date : 06-OCT-2006 01:28
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : 775276;;;5.21;5
Misc Info : X924;0942;;EM
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/8260L_05.m
Meth Date : 05-Oct-2006 22:42 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.21000	Weight of sample extracted (g)
M	18.90000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	7 Acetone	43	4.929	4.876	(0.567)	60764	59.0486	70
	11 1,1-Dichloroethane	63	6.334	6.297	(0.729)	10710	1.04898	1.2(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	8.192	8.158	(0.943)	366817	61.8008	73
	28 Benzene	78	8.323	8.276	(0.958)	32237	1.70471	2.0
*	69 Fluorobenzene	96	8.689	8.657	(1.000)	1356182	50.0000	
$	37 Toluene-d8 (SUR)	98	10.740	10.709	(0.866)	1161511	51.6086	61
*	32 Chlorobenzene-d5	117	12.397	12.371	(1.000)	1106334	50.0000	
	40 Ethylbenzene	106	12.529	12.505	(1.011)	13591	1.97203	2.3(a)
	43 m+p-Xylene	106	12.647	12.623	(1.020)	35811	3.28505	3.9(a)
	44 o-Xylene	106	13.087	13.065	(1.056)	48172	4.76217	5.6(a)
$	41 Bromofluorobenzene (SUR)	174	13.675	13.655	(0.912)	570299	47.8637	57
*	91 1,4-Dichlorobenzene-d4	152	15.001	14.971	(1.000)	710949	50.0000	
M	45 Xylene (Total)	100				83983	7.89364	9.3

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d
Report Date: 10-Oct-2006 20:55

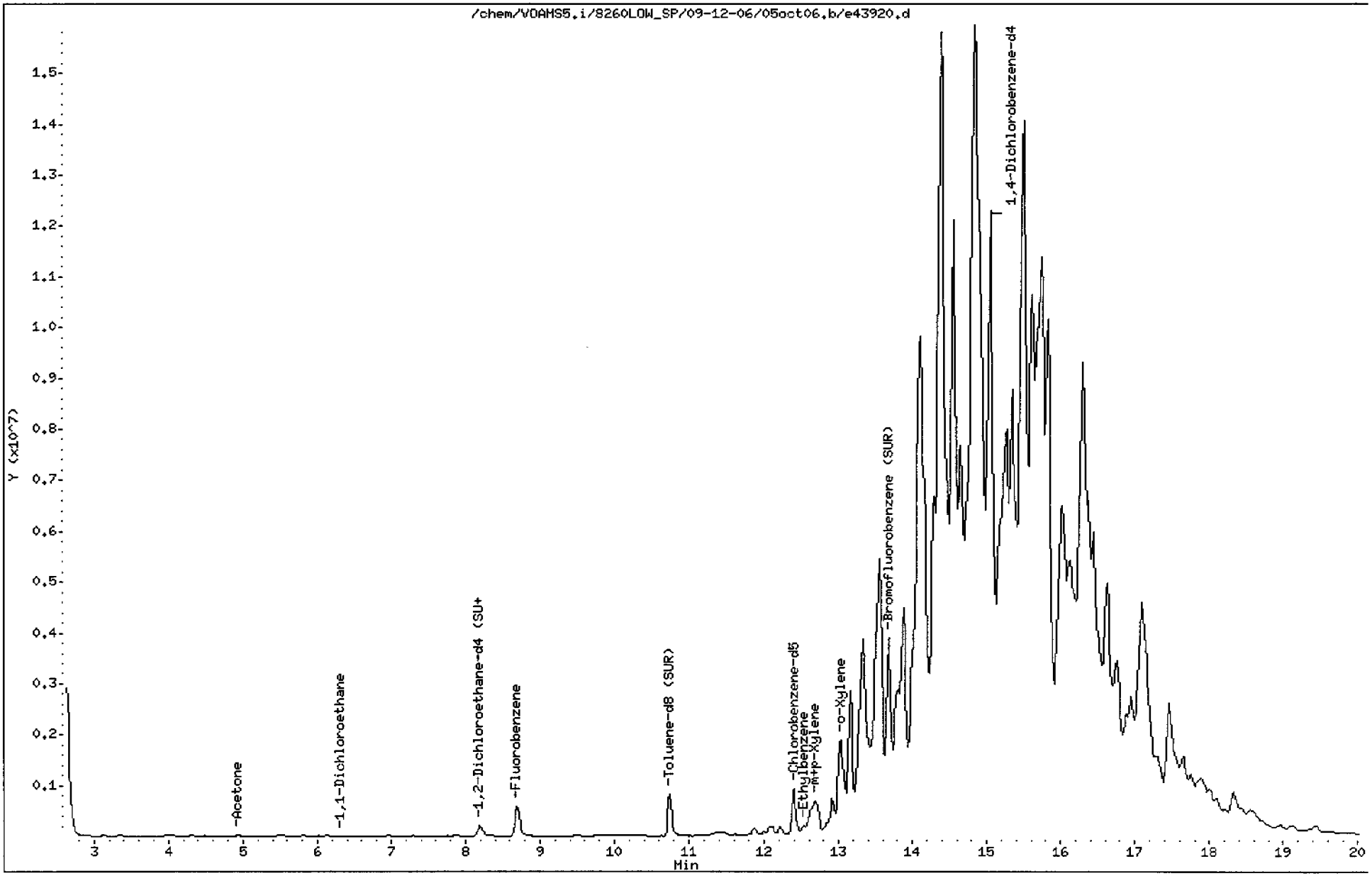
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d
Date : 06-OCT-2006 01:28
Client ID: B105-SS02
Sample Info: 775276;;;5.21;5

Instrument: VOAMS5.i

Operator: VOAMS 9
Column phase: DB624
Column diameter: 0.53



226
STL Edison
X924

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

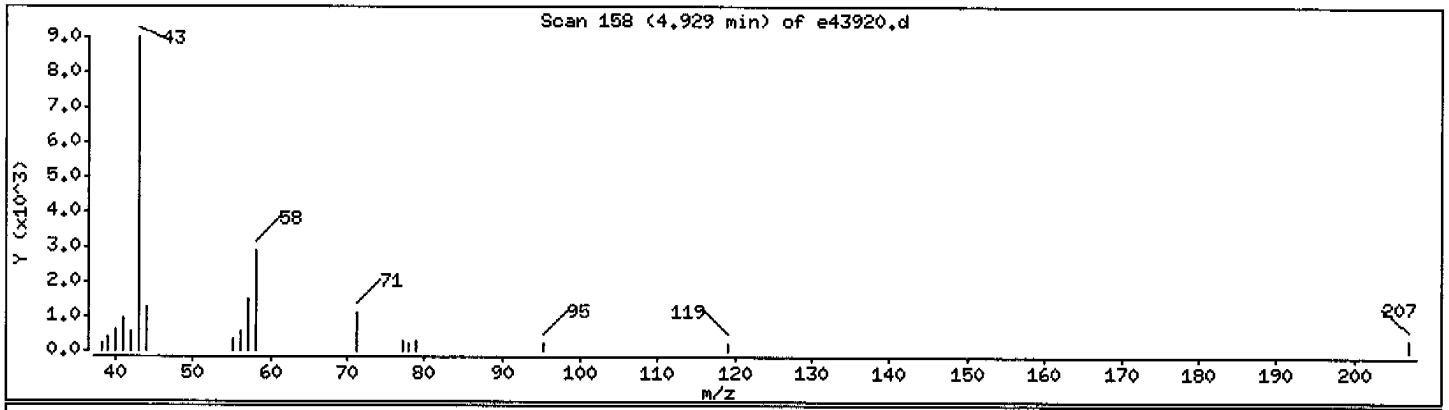
Client ID: B105-SS02 Instrument: VOAMS5.i

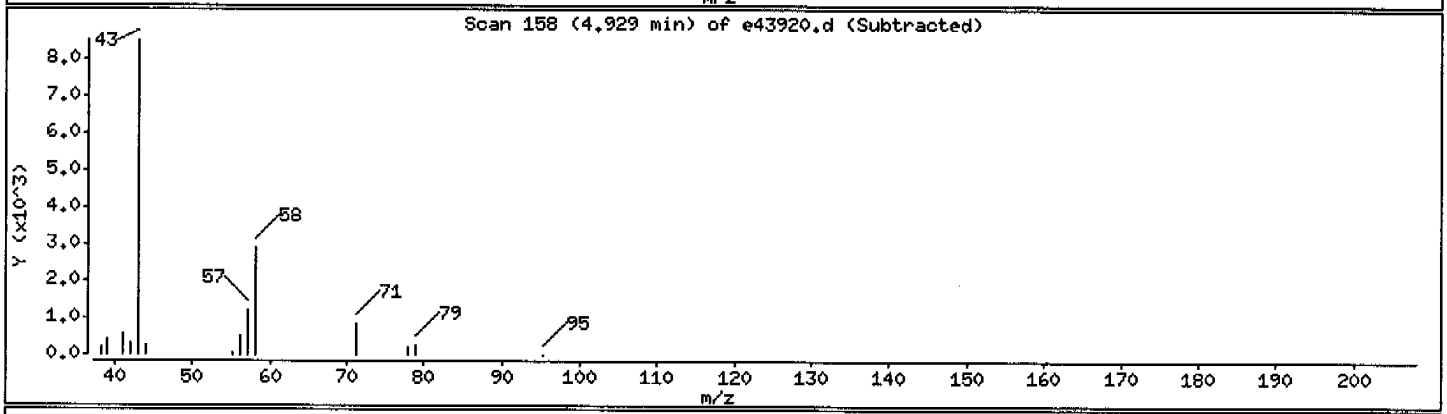
Sample Info: 775276;;;5.21;5

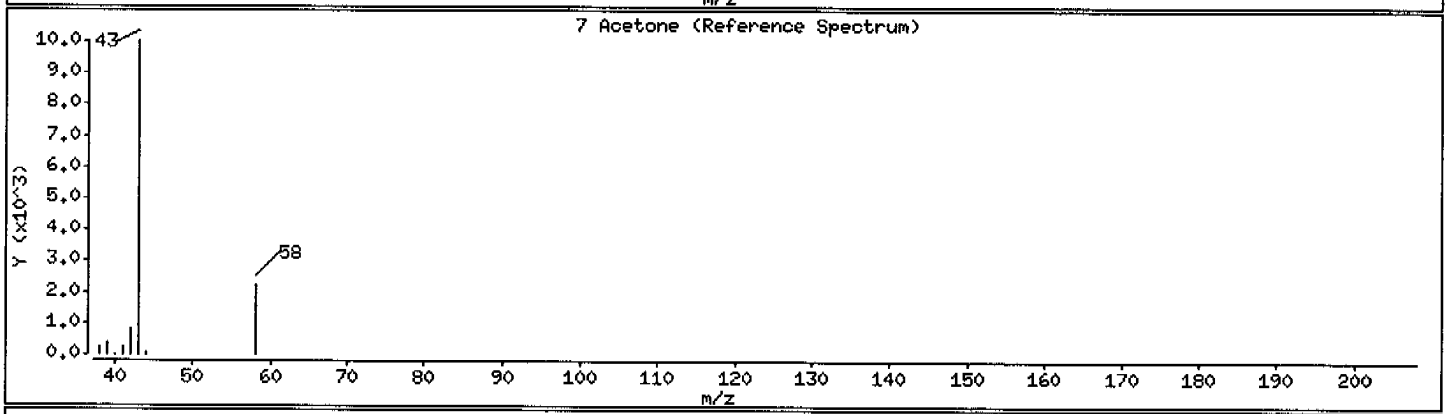
Operator: VOAMS 9

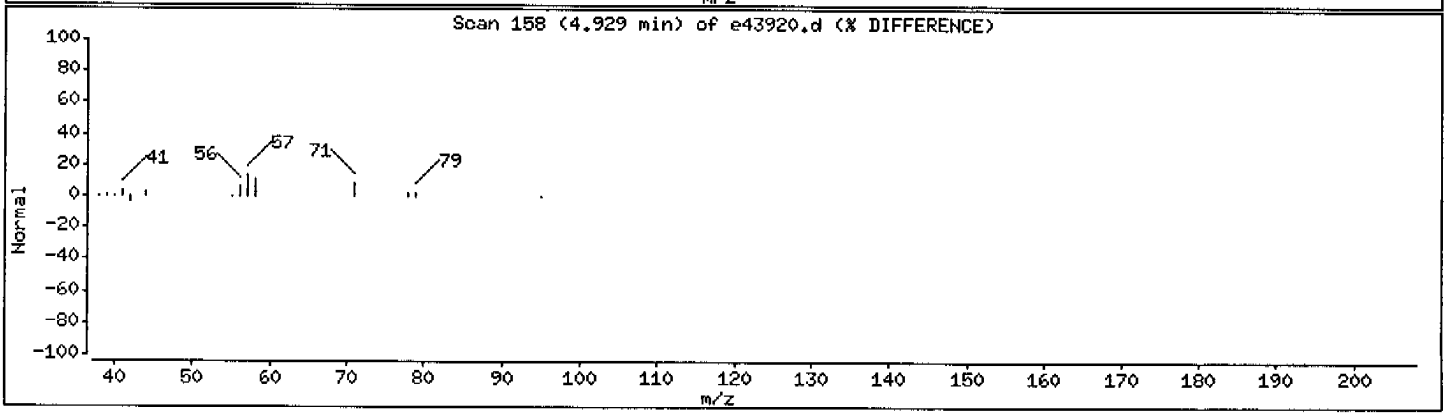
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 70 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

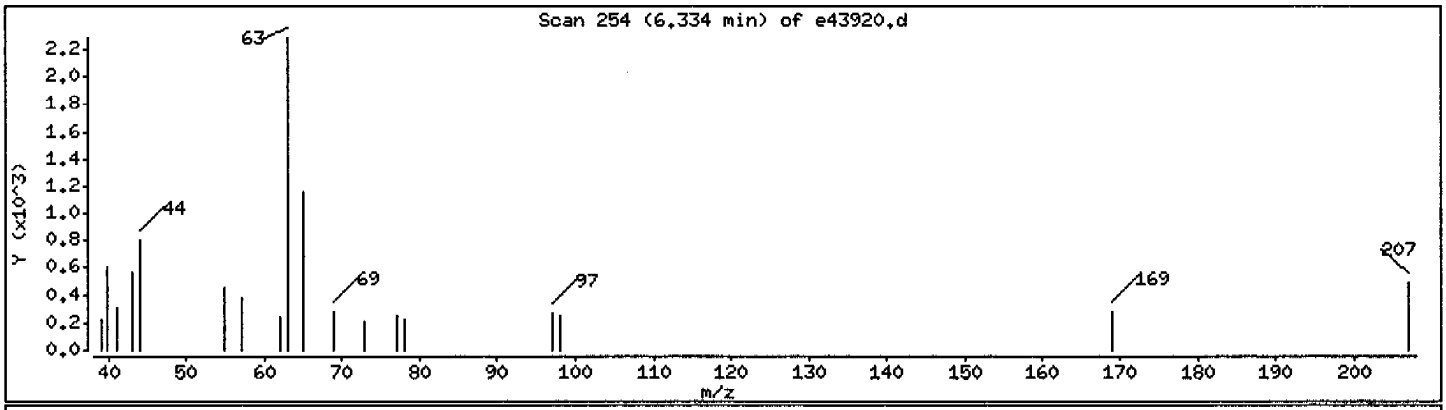
Client ID: B105-SS02 Instrument: VOAMS5.i

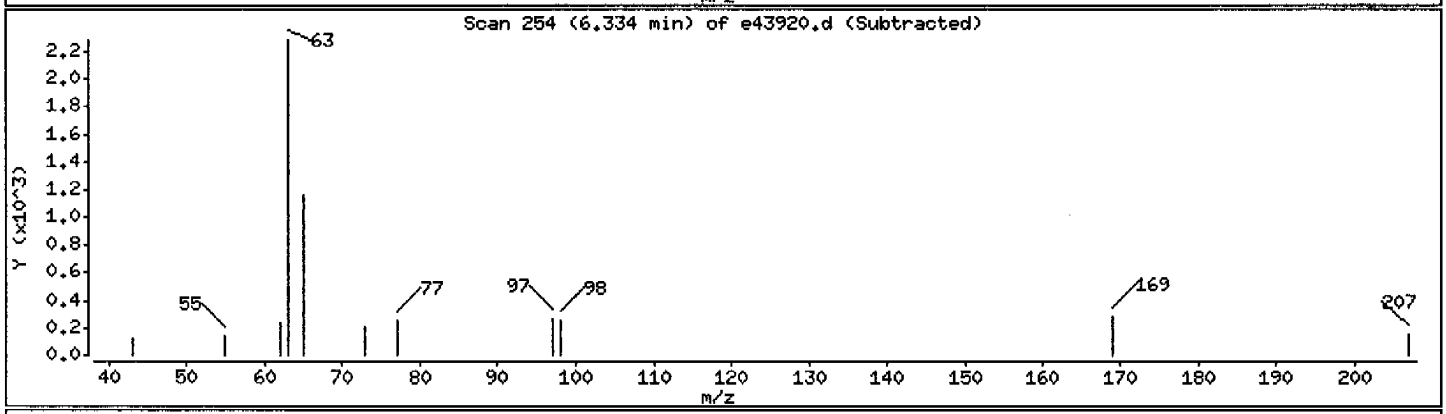
Sample Info: 775276;;;5.21;5

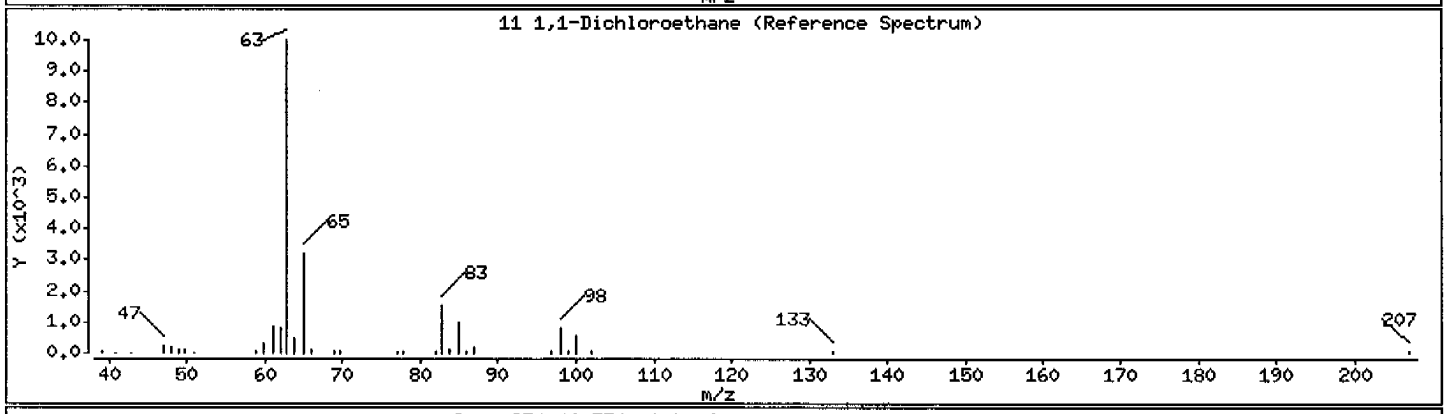
Operator: VOAMS 9

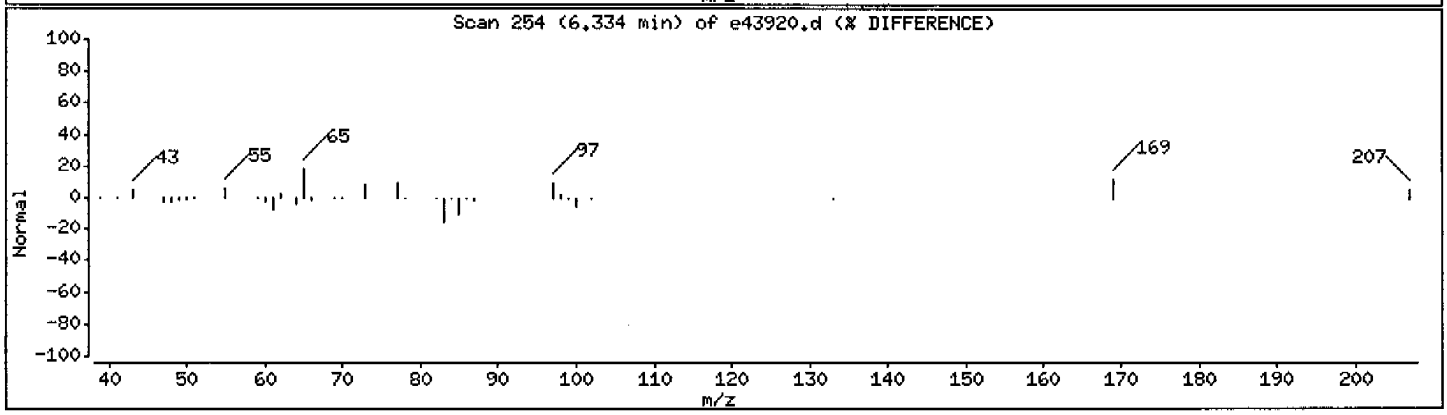
Column phase: DB624 Column diameter: 0.53

11 1,1-Dichloroethane Concentration: 1.2 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

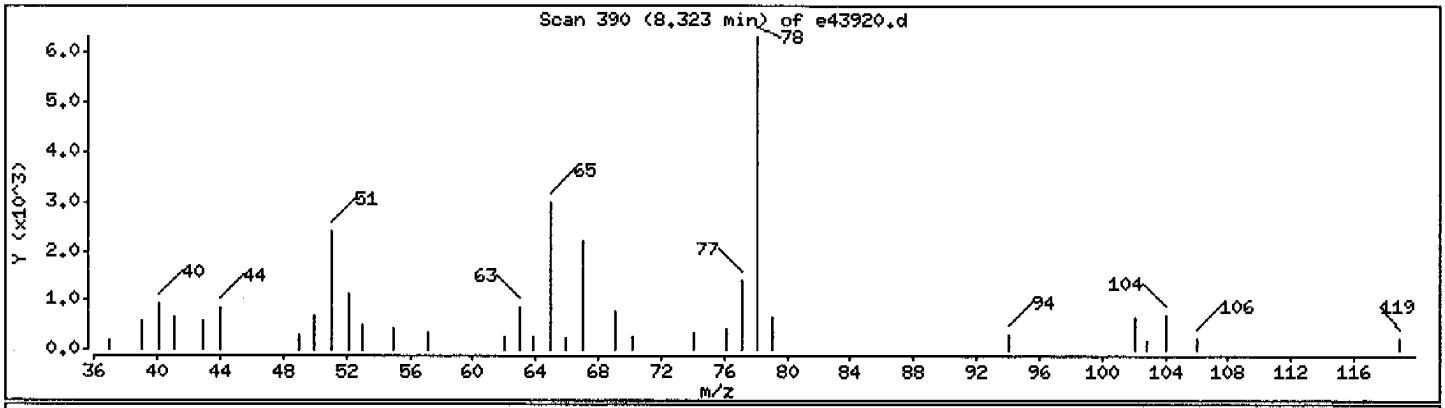
Client ID: B105-SS02 Instrument: VOAMS5.i

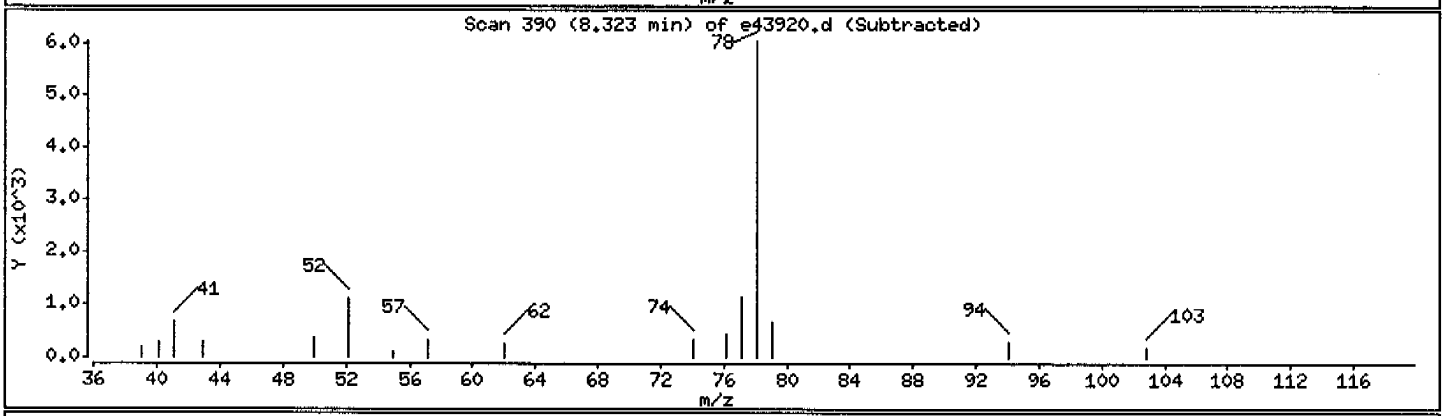
Sample Info: 775276;;;5.21;5

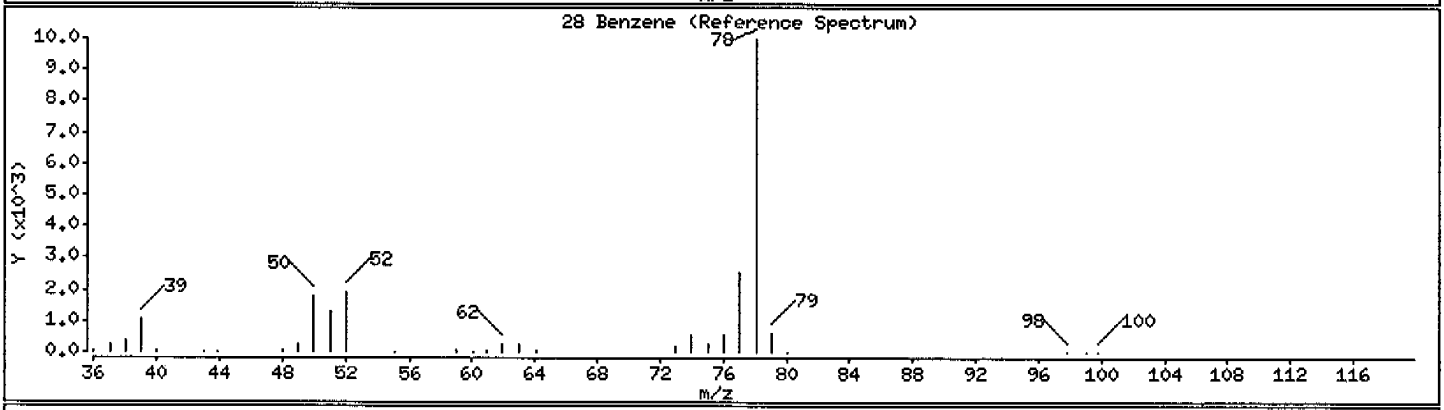
Operator: VOAMS 9

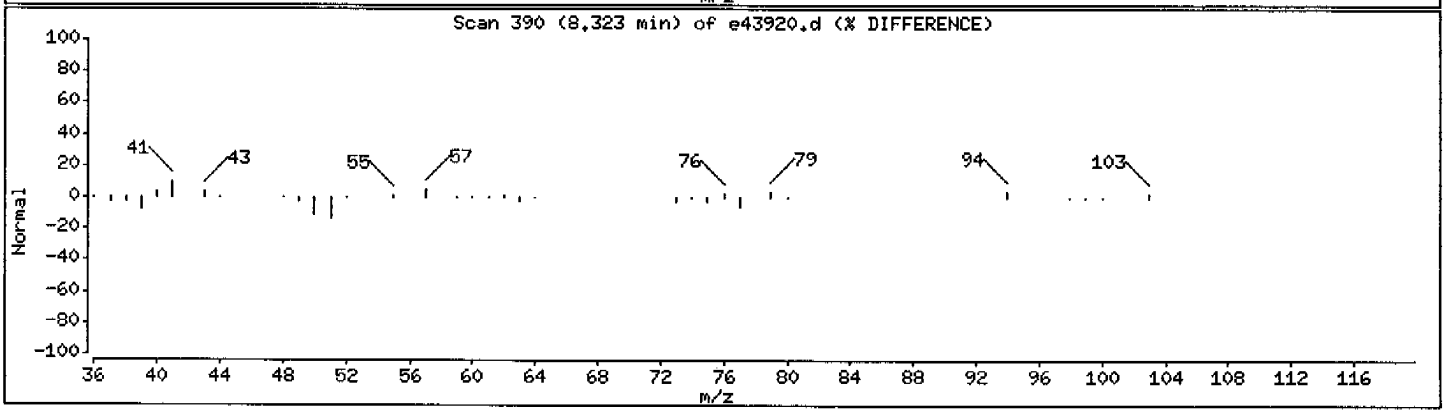
Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 2.0 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

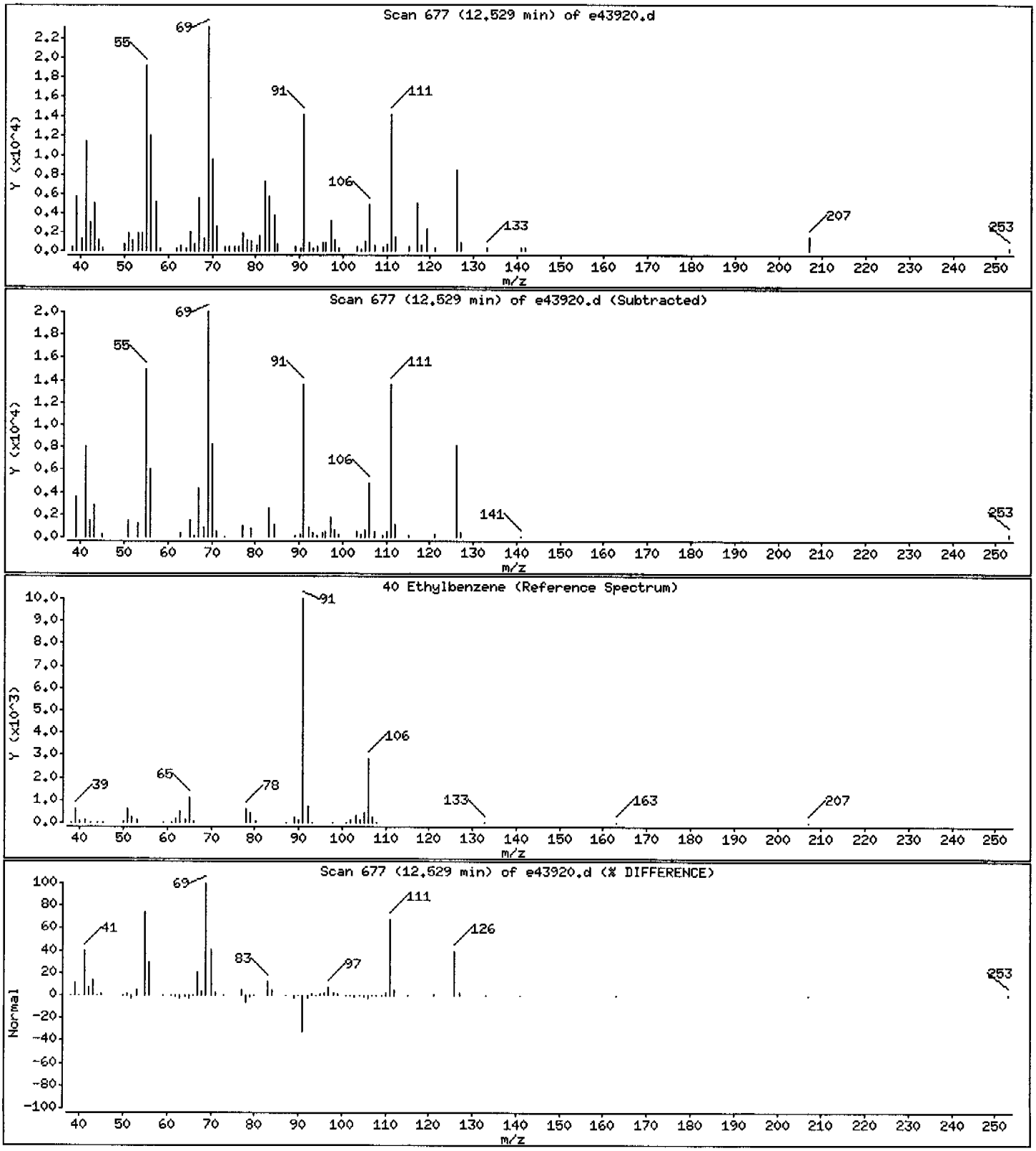
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

40 Ethylbenzene Concentration: 2.3 ug/Kg



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Date : 06-OCT-2006 01:28

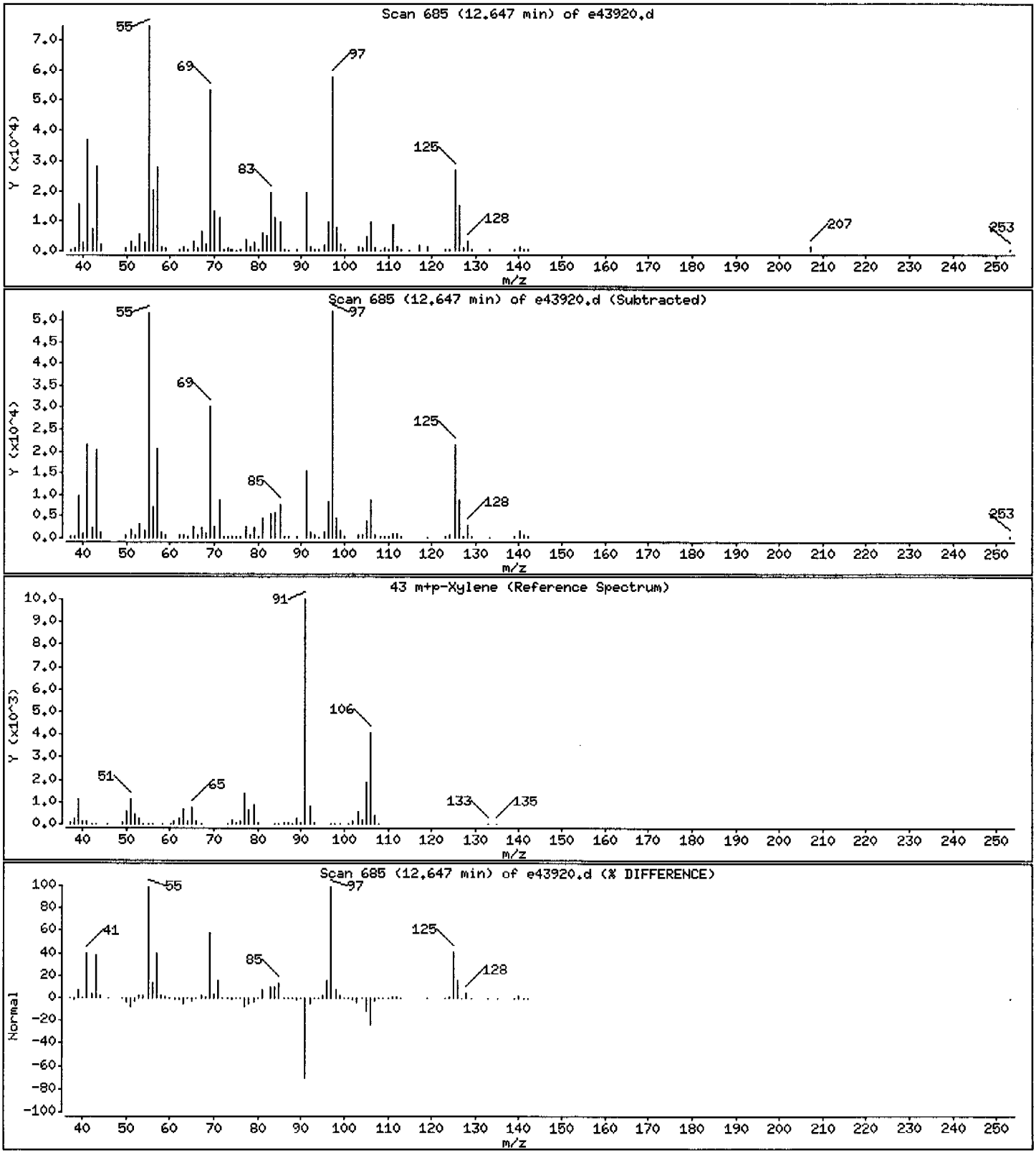
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

43 m+p-Xylene Concentration: 3.9 ug/Kg



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Date : 06-OCT-2006 01:28

Client ID: B105-SS02

Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

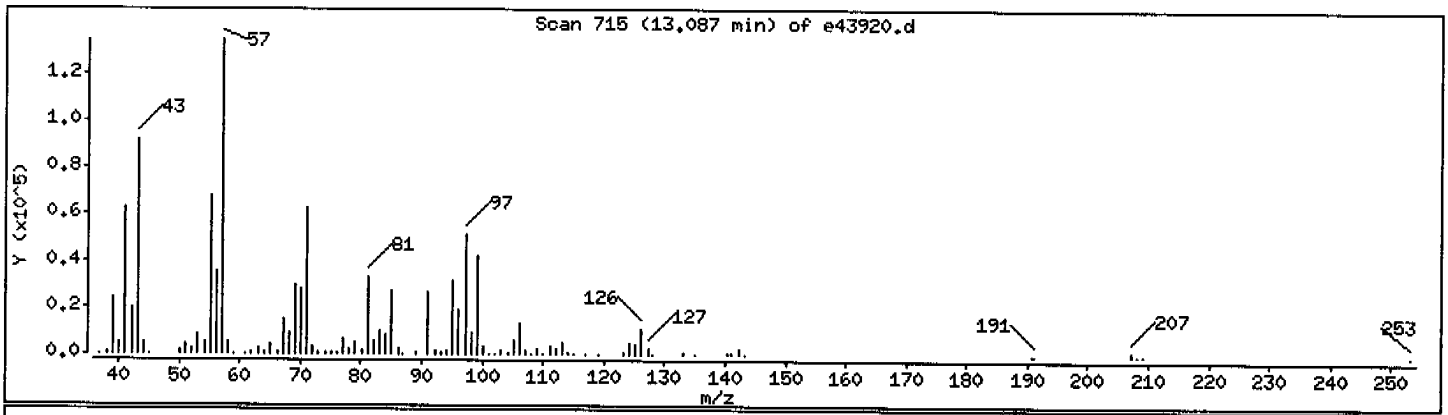
Operator: VOAMS 9

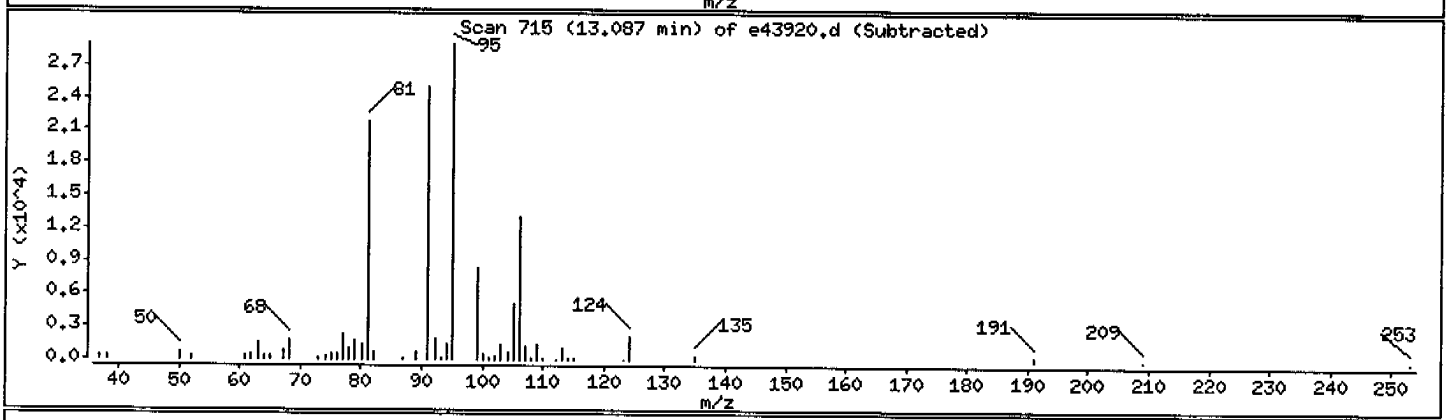
Column phase: DB624

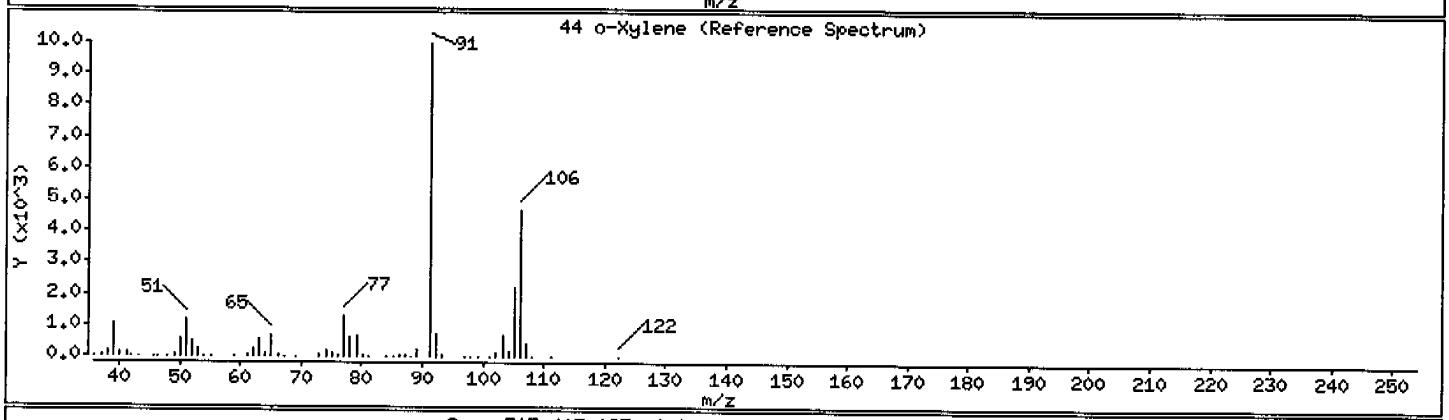
Column diameter: 0.53

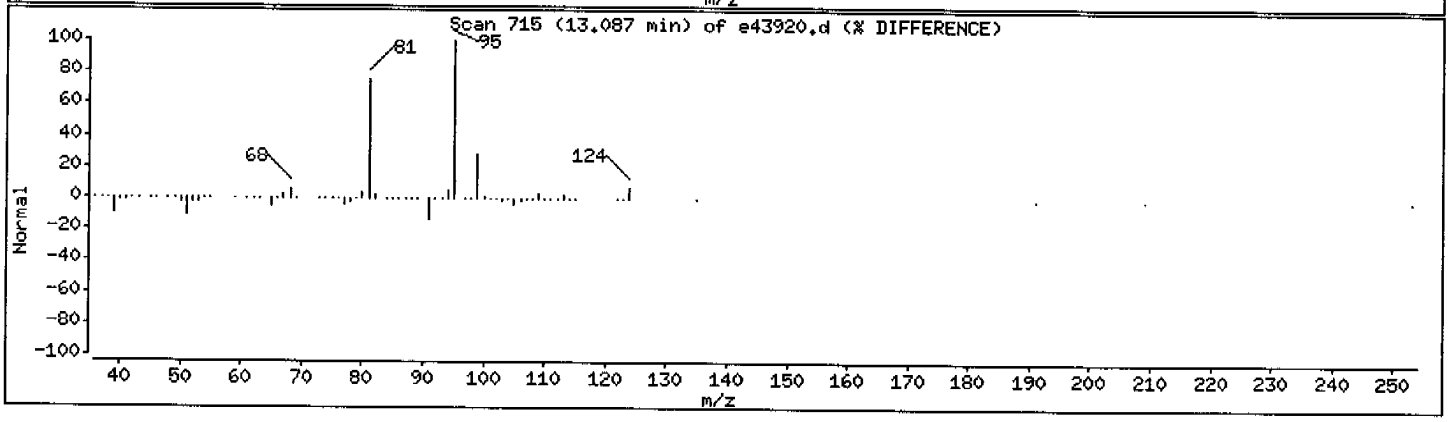
44 o-Xylene

Concentration: 5.6 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

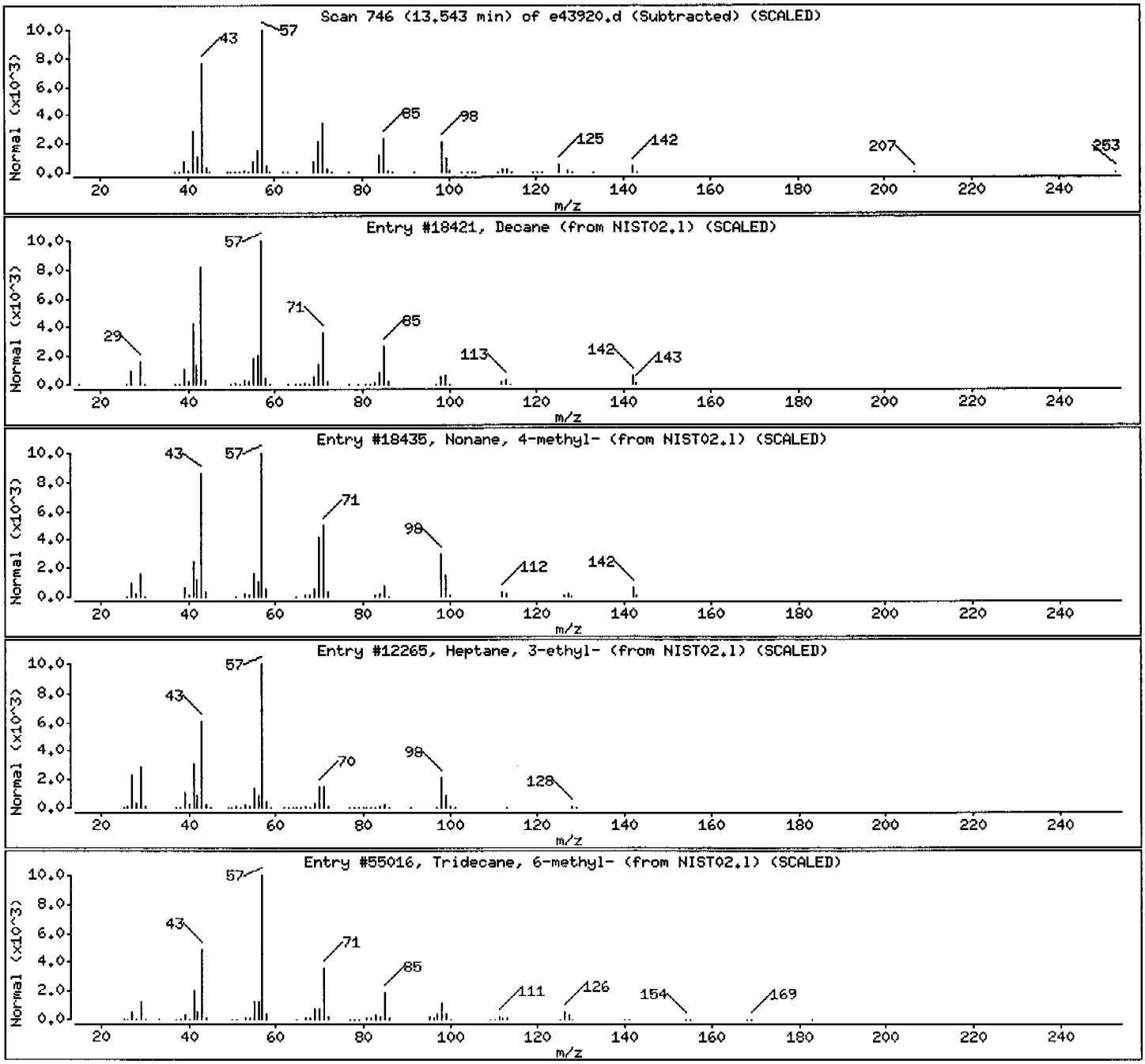
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane						
Decane	124-18-5	NIST02.l	18421	76	C10H22	142
Nonane, 4-methyl-	17301-94-9	NIST02.l	18435	64	C10H22	142
Heptane, 3-ethyl-	15869-80-4	NIST02.l	12265	50	C9H20	128
Tridecane, 6-methyl-	13287-21-3	NIST02.l	55016	50	C14H30	198



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Date : 06-OCT-2006 01:28

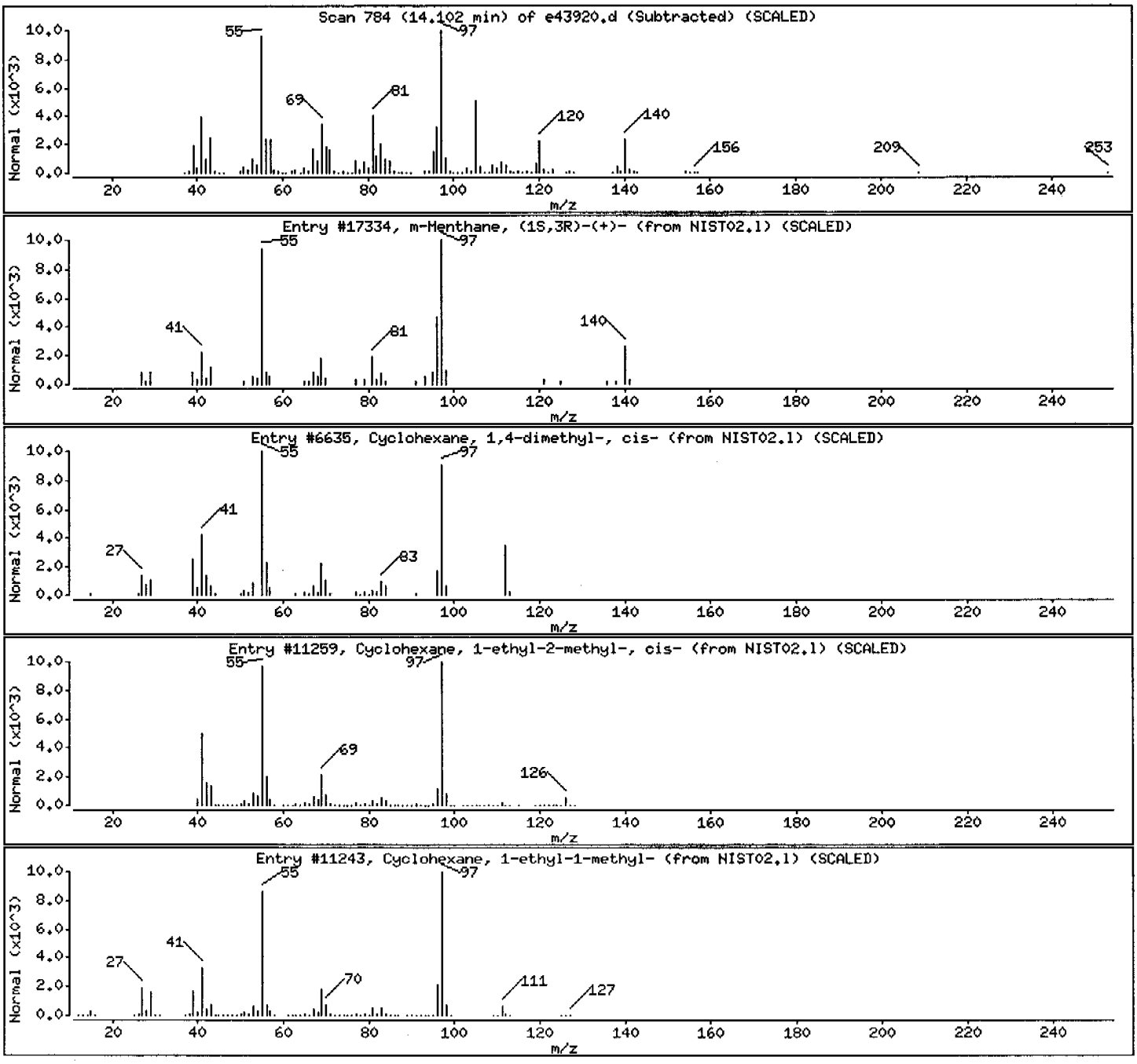
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5,21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
m-Menthane, (1S,3R)-(+)-	13837-66-6	NIST02.l	17334	58	C10H20	140
Cyclohexane, 1,4-dimethyl-, cis-	624-29-3	NIST02.l	6635	53	C8H16	112
Cyclohexane, 1-ethyl-2-methyl-, cis-	4923-77-7	NIST02.l	11259	50	C9H18	126
Cyclohexane, 1-ethyl-1-methyl-	4926-90-3	NIST02.l	11243	49	C9H18	126



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Date : 06-OCT-2006 01:28

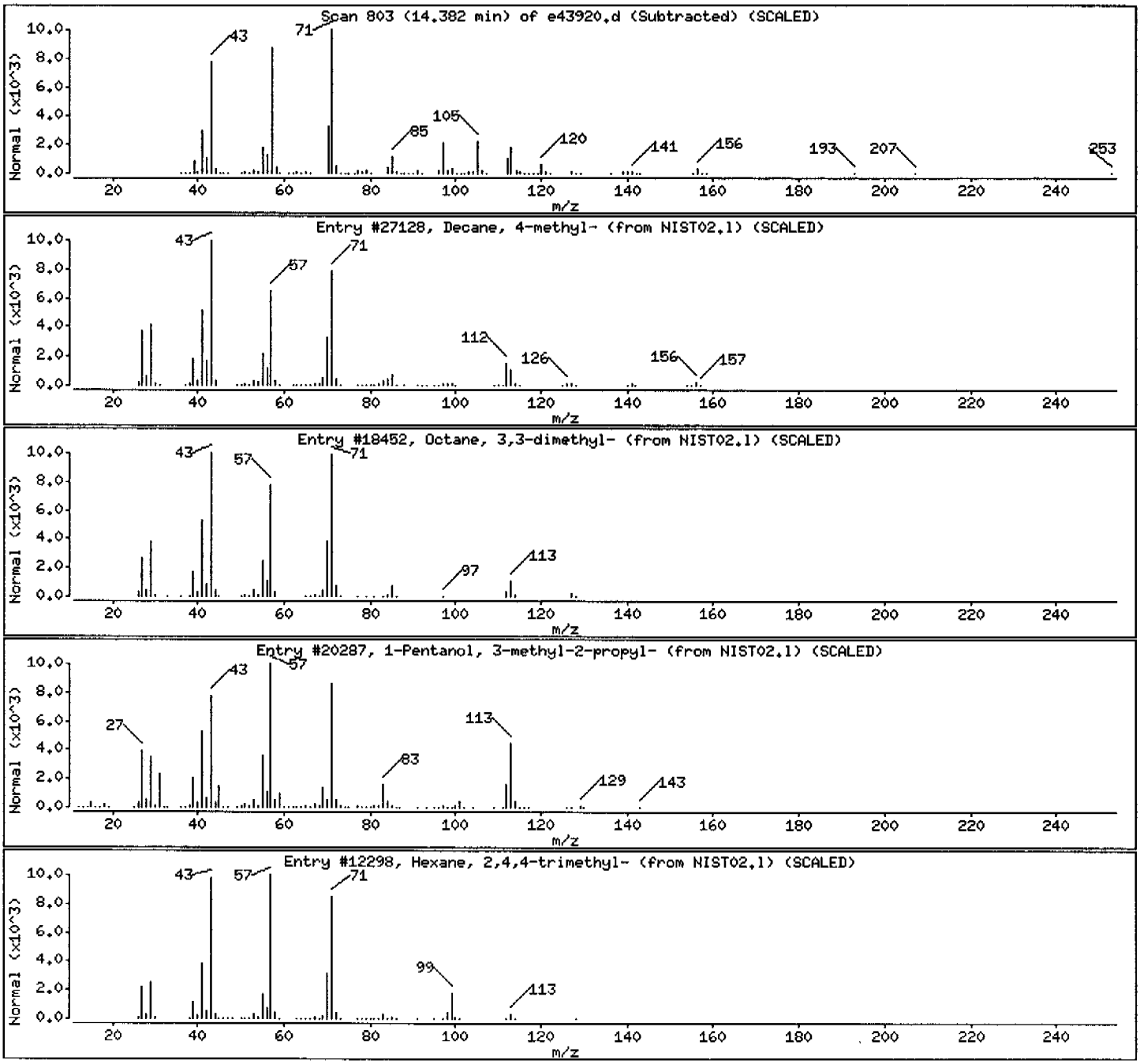
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane/Unknown Aromatic						
Decane, 4-methyl-	2847-72-5	NIST02.l	27128	58	C11H24	156
Octane, 3,3-dimethyl-	4110-44-5	NIST02.l	18452	47	C10H22	142
1-Pentanol, 3-methyl-2-propyl-	54004-40-9	NIST02.l	20287	47	C9H20O	144
Hexane, 2,4,4-trimethyl-	16747-30-1	NIST02.l	12298	47	C9H20	128



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Date : 06-OCT-2006 01:28

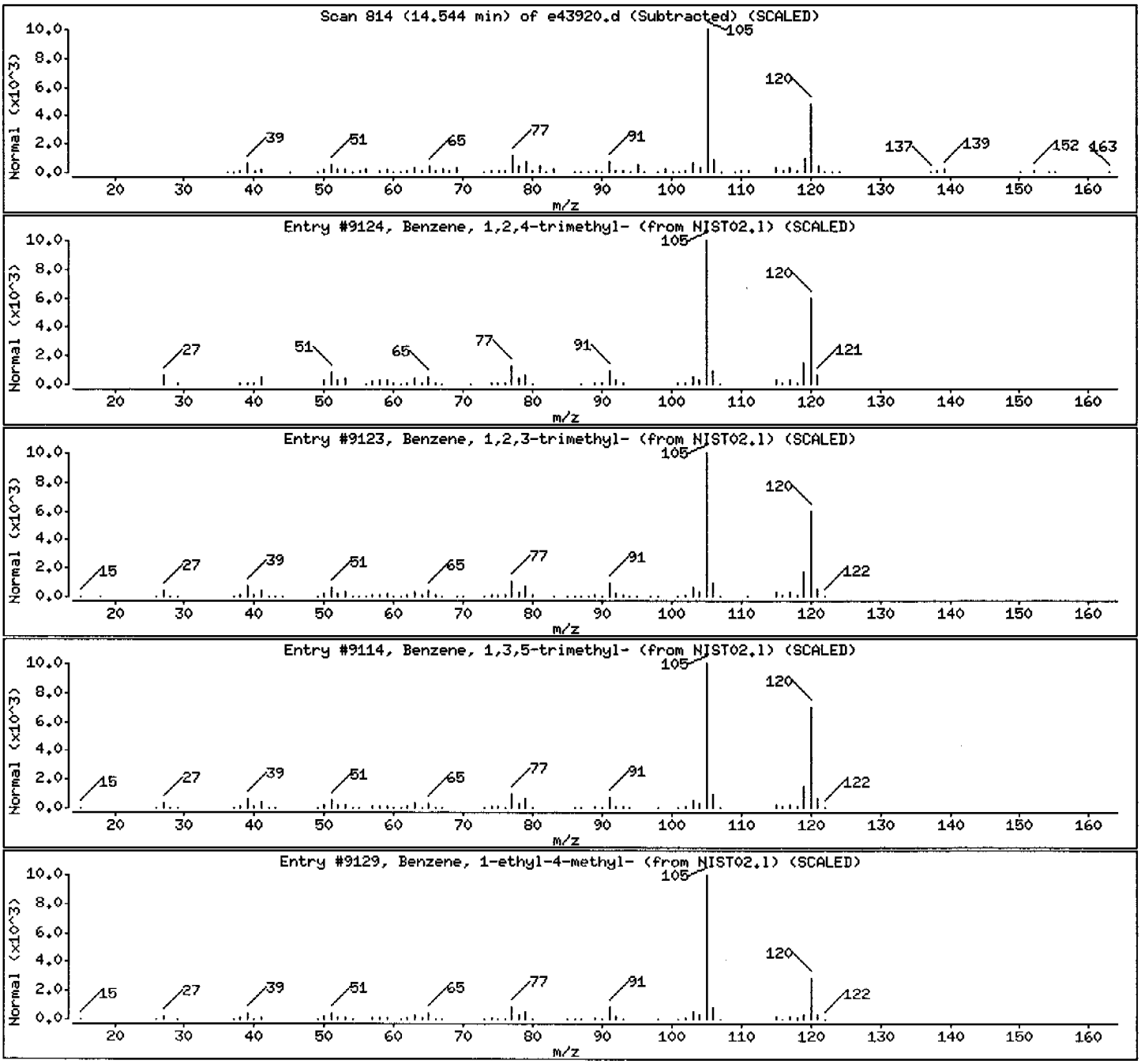
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer						
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.l	9124	93	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.l	9123	93	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.l	9114	93	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NIST02.l	9129	90	C9H12	120



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Date : 06-OCT-2006 01:28

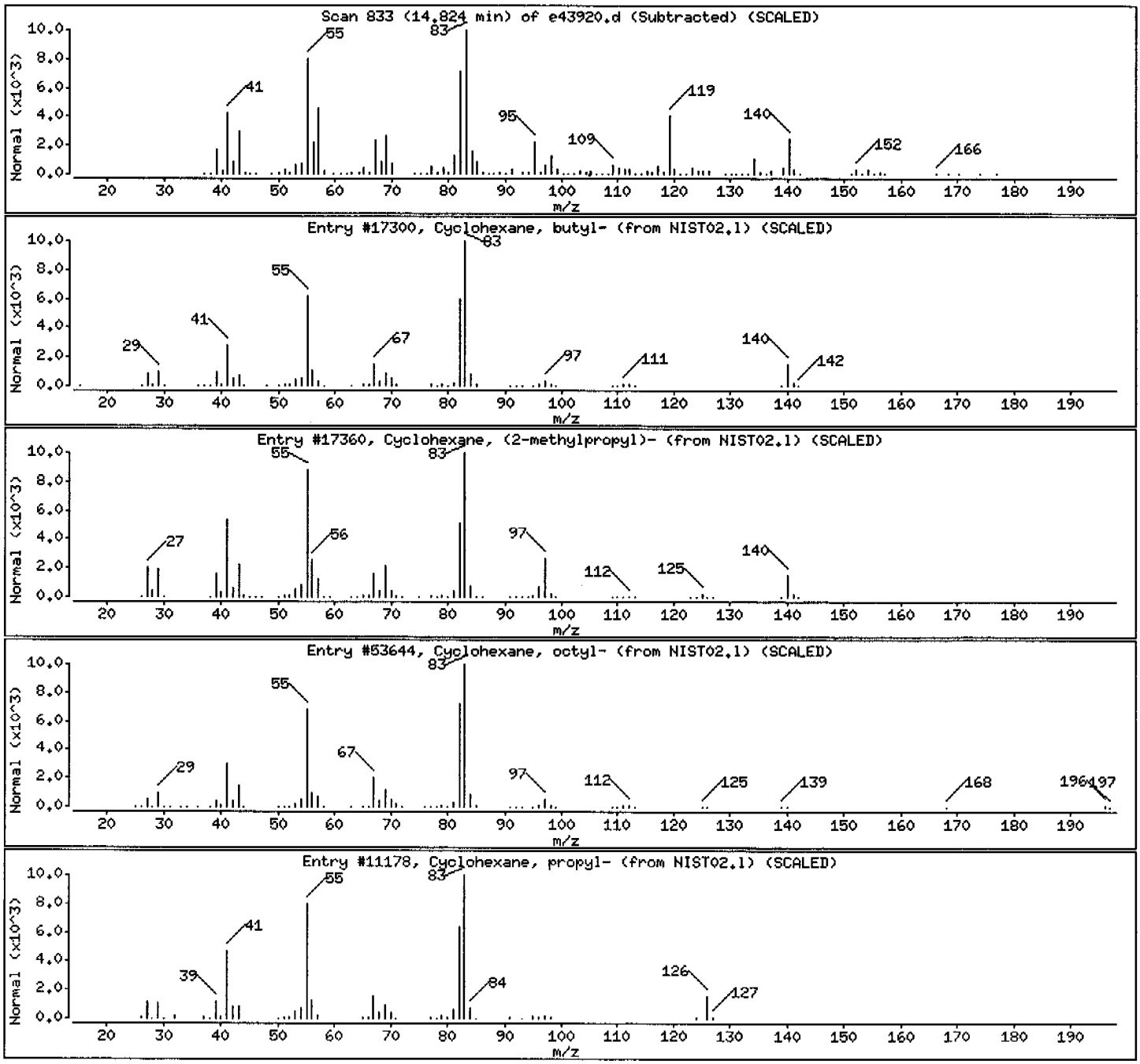
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
Cyclohexane, butyl-	1678-93-9	NIST02.l	17300	60	C10H20	140
Cyclohexane, (2-methylpropyl)-	1678-98-4	NIST02.l	17360	50	C10H20	140
Cyclohexane, octyl-	1795-15-9	NIST02.l	53644	49	C14H28	196
Cyclohexane, propyl-	1678-92-8	NIST02.l	11178	47	C9H18	126



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Date : 06-OCT-2006 01:28

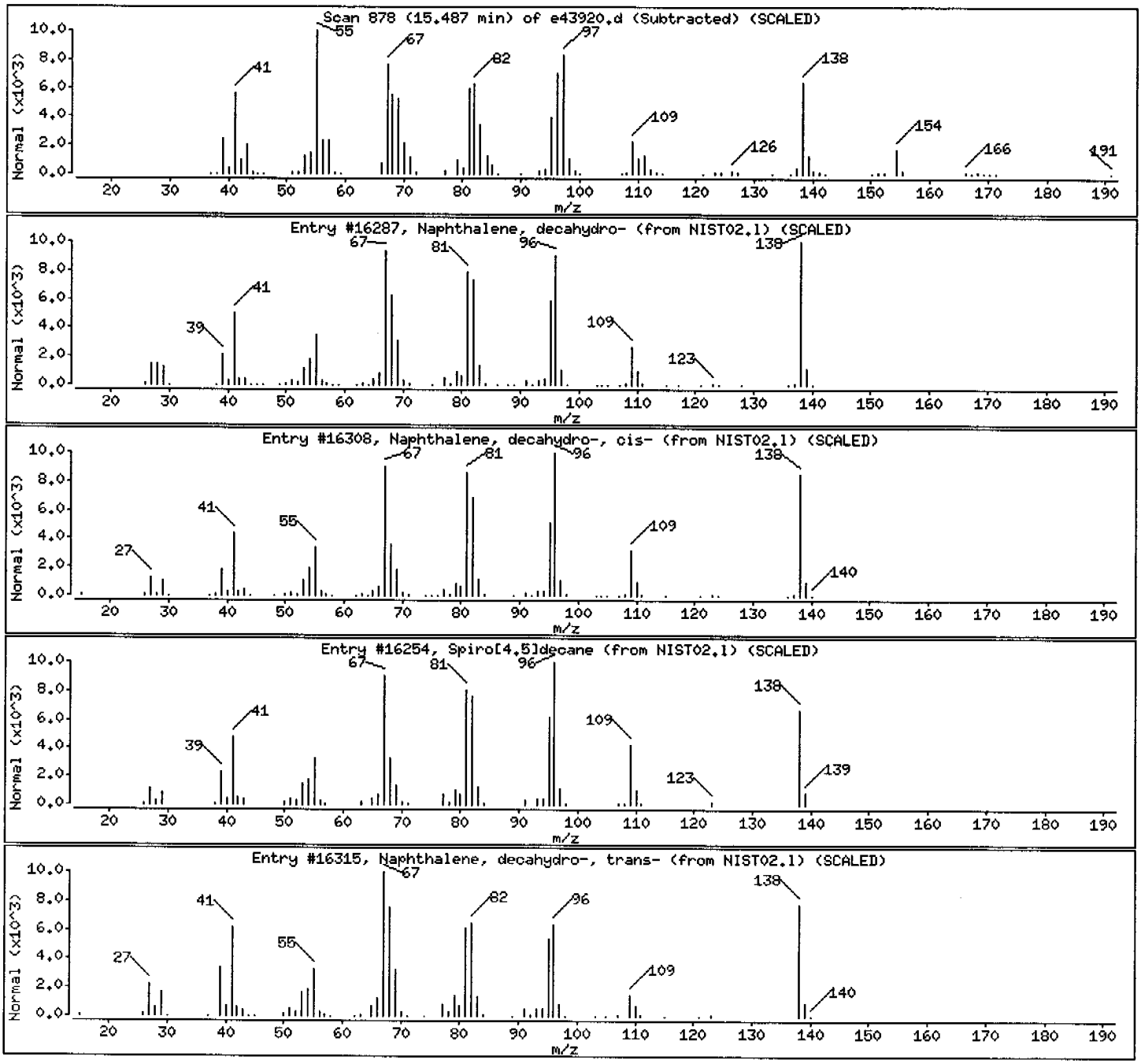
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
Naphthalene, decahydro-	91-17-8	NIST02.1	16287	98	C10H18	138
Naphthalene, decahydro-, cis-	493-01-6	NIST02.1	16308	96	C10H18	138
Spiro[4.5]decane	176-63-6	NIST02.1	16254	93	C10H18	138
Naphthalene, decahydro-, trans-	493-02-7	NIST02.1	16315	76	C10H18	138



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

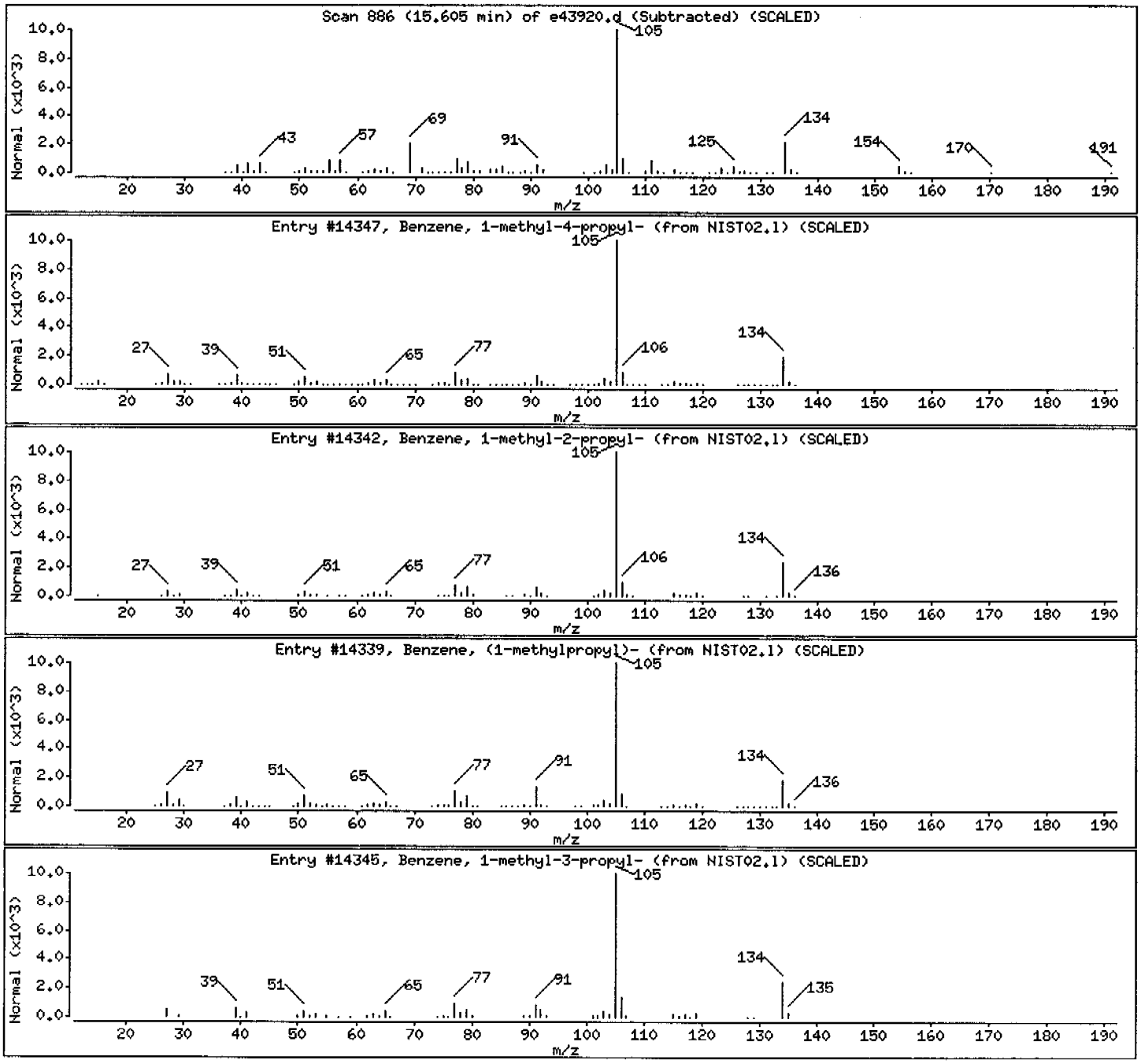
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methylpropylbenzene isomer						
Benzene, 1-methyl-4-propyl-	1074-55-1	NIST02.1	14347	76	C10H14	134
Benzene, 1-methyl-2-propyl-	1074-17-5	NIST02.1	14342	76	C10H14	134
Benzene, (1-methylpropyl)-	135-98-8	NIST02.1	14339	68	C10H14	134
Benzene, 1-methyl-3-propyl-	1074-43-7	NIST02.1	14345	58	C10H14	134



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

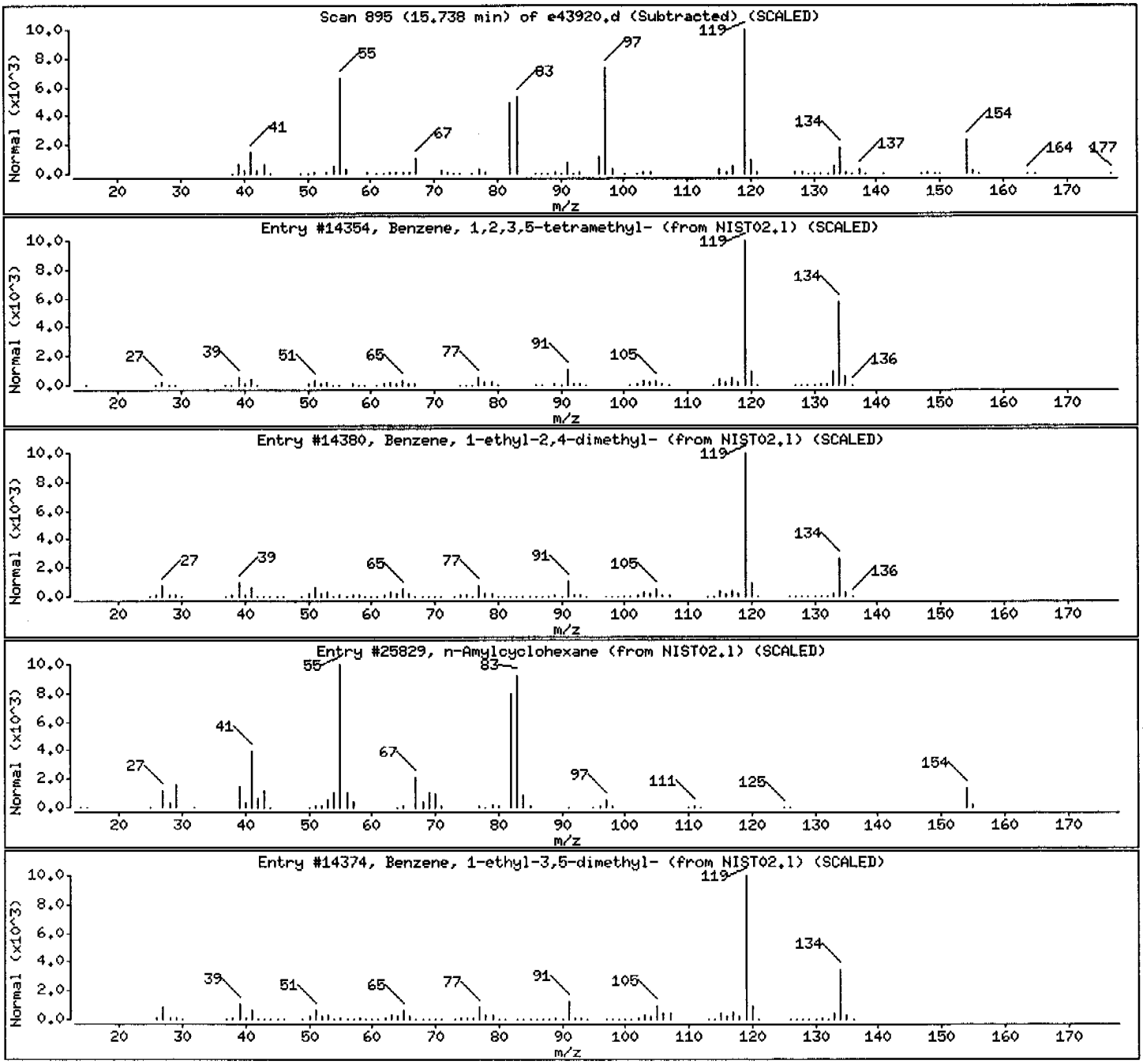
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NIST02.l	14354	25	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST02.l	14380	22	C10H14	134
n-Amylcyclohexane	29949-27-7	NIST02.l	25829	22	C11H22	154
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST02.l	14374	22	C10H14	134



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

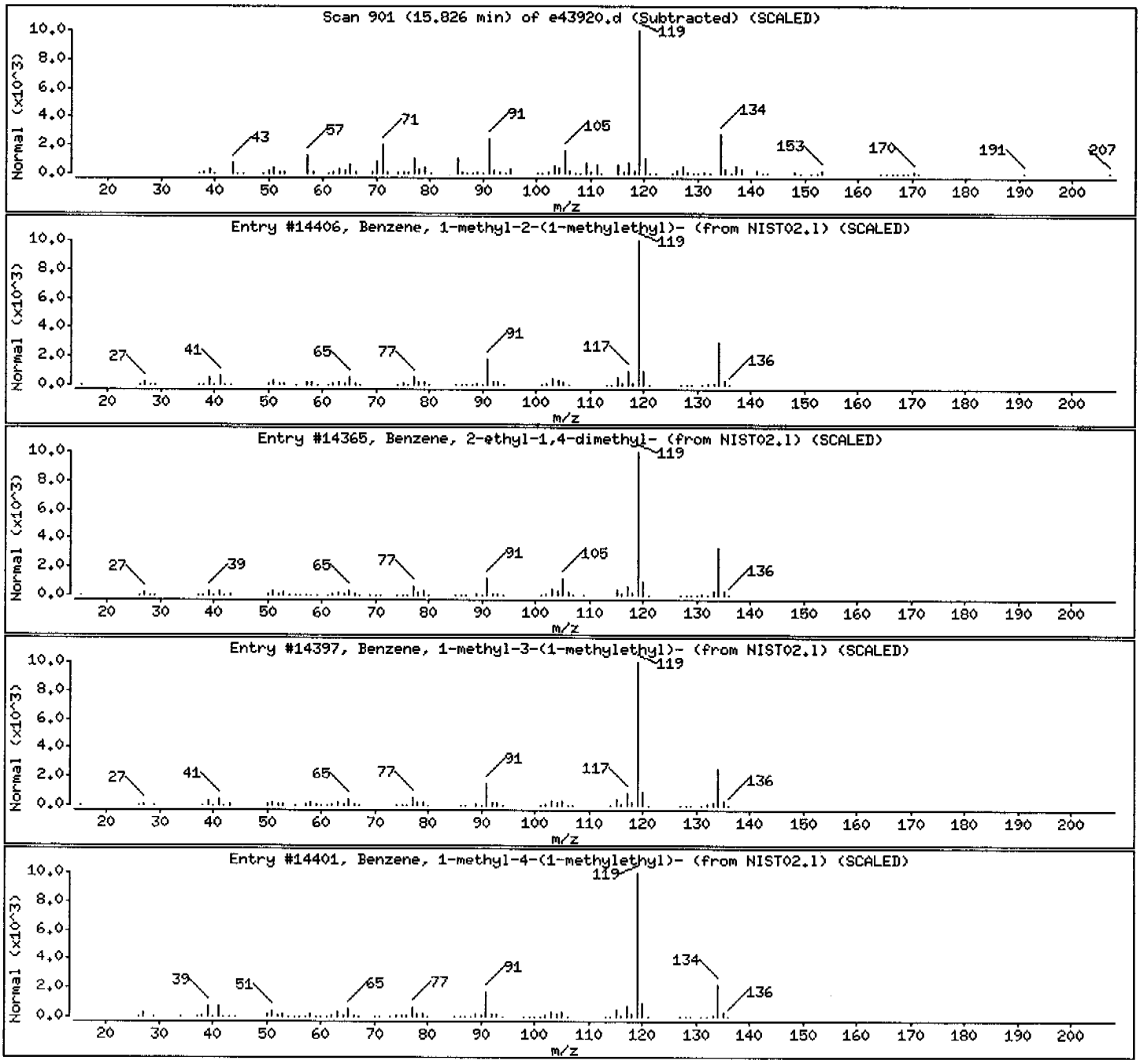
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyldimethylbenzene isomer						
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	92	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST02.l	14365	92	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14397	70	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST02.l	14401	70	C10H14	134



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43920.d

Date : 06-OCT-2006 01:28

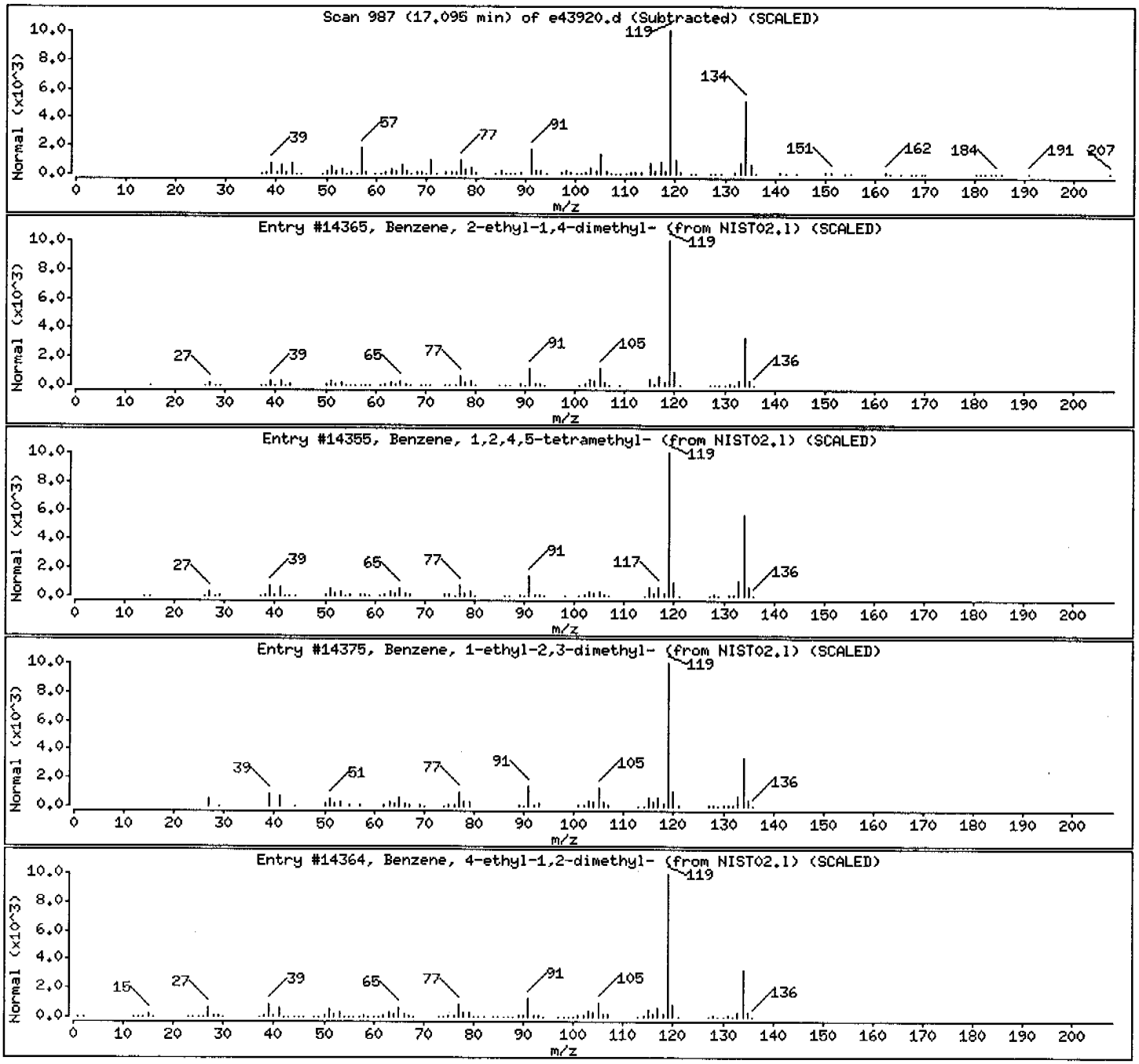
Client ID: B105-SS02 Instrument: VOAMS5.i

Sample Info: 775276;;;5.21;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyldimethylbenzene isomer						
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST02.l	14365	96	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.l	14355	95	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NIST02.l	14375	95	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST02.l	14364	95	C10H14	134



Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43922.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.2
Acetone	24 B	5.4
Carbon Disulfide	ND	5.4
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	5.4
1,1,1-Trichloroethane	1.2J	5.4
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	0.8J	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.2
Benzene	2.2	1.1
trans-1,3-Dichloropropene	ND	5.4
Bromoform	ND	4.3
4-Methyl-2-Pentanone	ND	5.4
2-Hexanone	ND	5.4
Tetrachloroethene	2.9	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	4.6J	5.4
Chlorobenzene	1.7J	5.4
Ethylbenzene	12	4.3
Styrene	ND	5.4
Xylene (Total)	95	5.4

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43922.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 11.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane/C9H12 Aromatic	14.05	100	
2.	Trimethylbenzene isomer	14.36	74	
3.	Trimethylbenzene isomer	14.54	100	
4.	C10H14 Aromatic/Unknown	14.82	60	
5.	C11H24 Alkane	15.39	66	
6.	Methyl-methylethylbenzene isomer	15.73	63	
7.	Methyl-methylethylbenzene isomer	15.82	67	
8.	Coeluting Aromatics	16.02	80	
9.	C12H26 Alkane	16.83	69	
10.	Tetramethylbenzene isomer/Unknown Alka	17.08	110	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	789

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d
Report Date: 10-Oct-2006 20:55

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d
Lab Smp Id: 775294 Client Smp ID: B106-SS01
Inj Date : 06-OCT-2006 02:20
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : 775294;;;5.24;5
Misc Info : X924;0942;;EM
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/8260L_05.m
Meth Date : 05-Oct-2006 22:42 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.24000	Weight of sample extracted (g)
M	11.40000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	7 Acetone	43	4.915	4.876	(0.566)	23779	21.8867	24
	20 1,1,1-Trichloroethane	97	7.782	7.747	(0.896)	10561	1.09231	1.2(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	8.192	8.158	(0.943)	356067	56.8178	61
	28 Benzene	78	8.324	8.276	(0.958)	41536	2.08033	2.2
*	69 Fluorobenzene	96	8.690	8.657	(1.000)	1431891	50.0000	
	25 Trichloroethene	95	9.217	9.170	(1.061)	5842	0.69558	0.75(a)
$	37 Toluene-d8 (SUR)	98	10.742	10.709	(0.867)	1213701	53.3767	57
	38 Toluene	91	10.830	10.797	(0.874)	102269	4.30237	4.6(a)
	35 Tetrachloroethene	166	11.477	11.457	(0.926)	27758	2.65633	2.9
*	32 Chlorobenzene-d5	117	12.388	12.371	(1.000)	1117751	50.0000	
	39 Chlorobenzene	112	12.432	12.400	(1.004)	26454	1.59026	1.7(a)
	40 Ethylbenzene	106	12.520	12.505	(1.011)	80083	11.5014	12
	43 m+p-Xylene	106	12.638	12.623	(1.020)	598604	54.3509	58
	44 o-Xylene	106	13.079	13.065	(1.056)	345987	33.8542	36
$	41 Bromofluorobenzene (SUR)	174	13.668	13.655	(0.912)	541926	57.4768	62

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d
Report Date: 10-Oct-2006 20:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 91 1,4-Dichlorobenzene-d4	152	14.993	14.971	(1.000)	562587	50.0000	
M 45 Xylene (Total)	100				944592	87.8763	95

QC Flag Legend

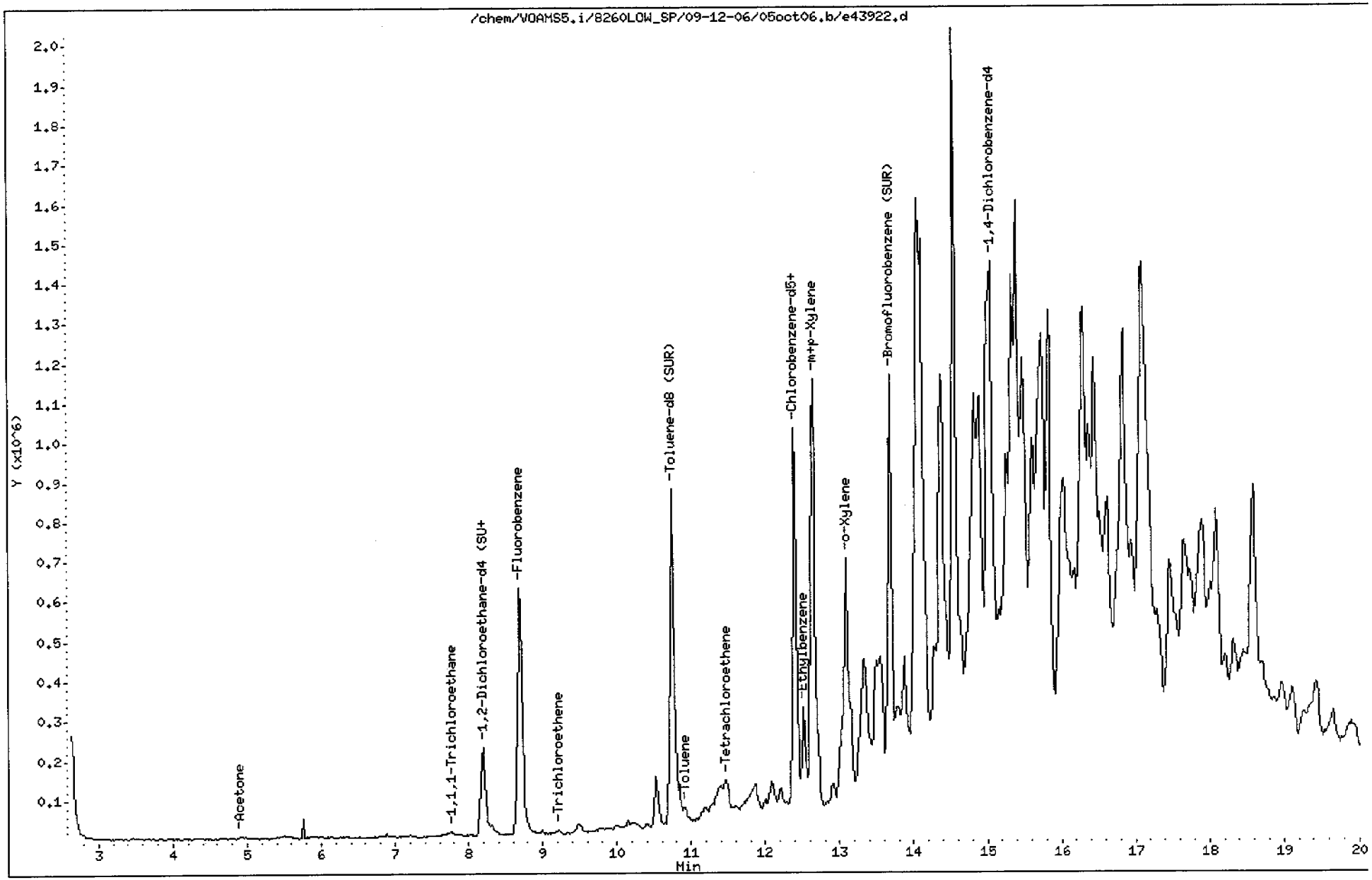
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d
Date : 06-OCT-2006 02:20
Client ID: B106-SS01
Sample Info: 775294;;;5.24;5

Column phase: DB624

Instrument: VOAMS5.i

Operator: VOAMS 9
Column diameter: 0.53



247

STL Edison

X924

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

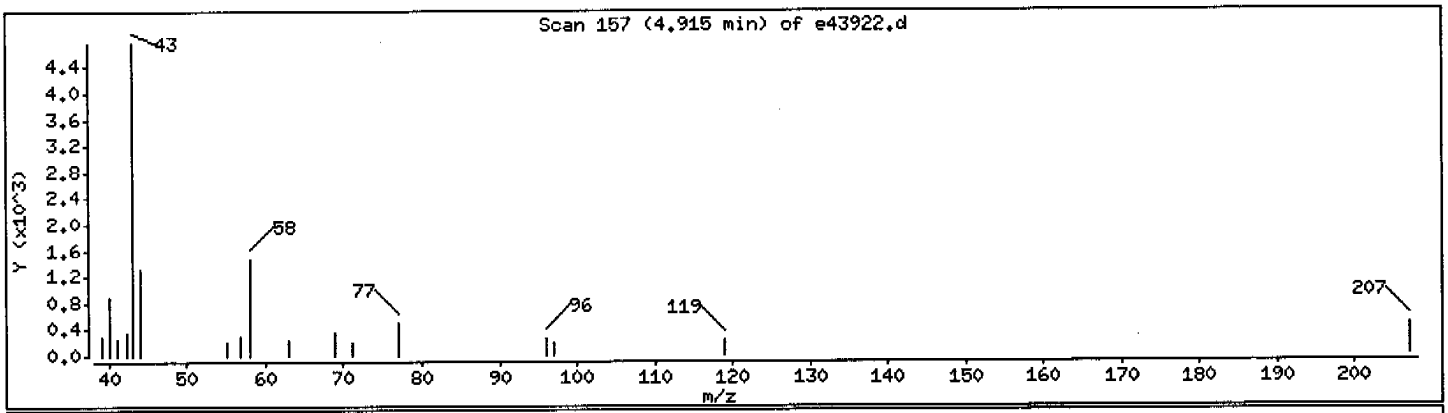
Client ID: B106-SS01 Instrument: VOAMS5.i

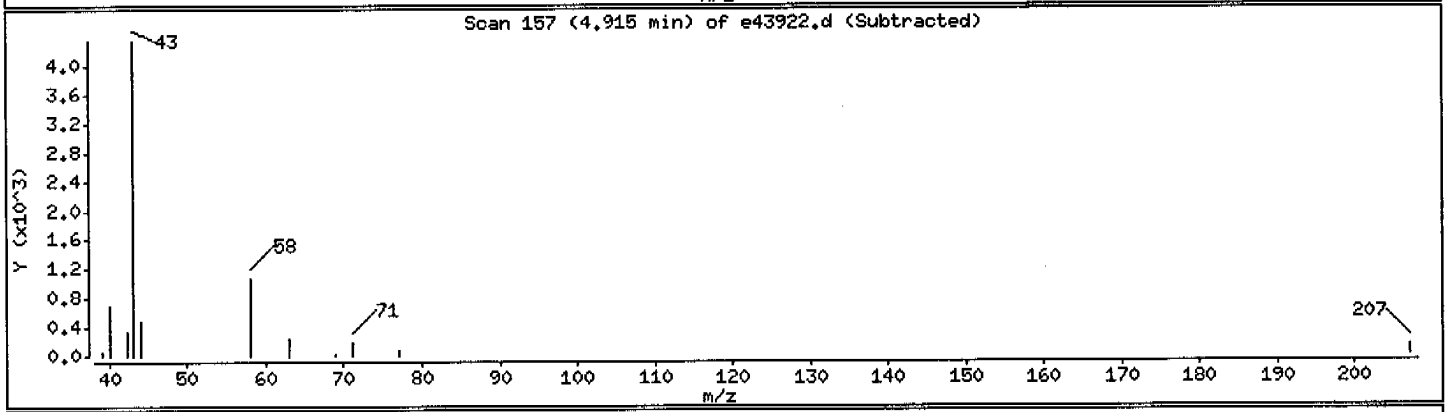
Sample Info: 776294;;;5.24;5

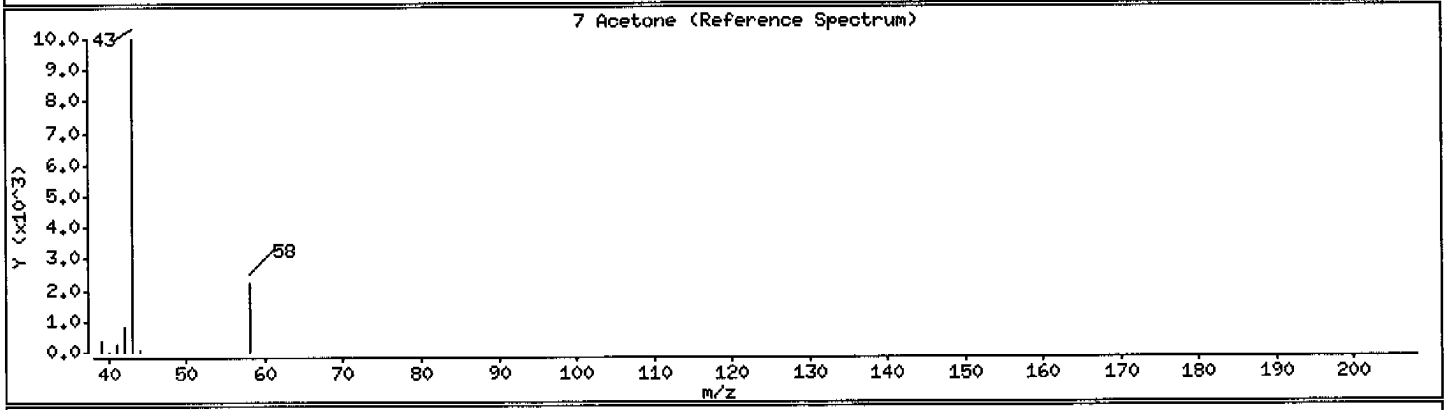
Operator: VOAMS 9

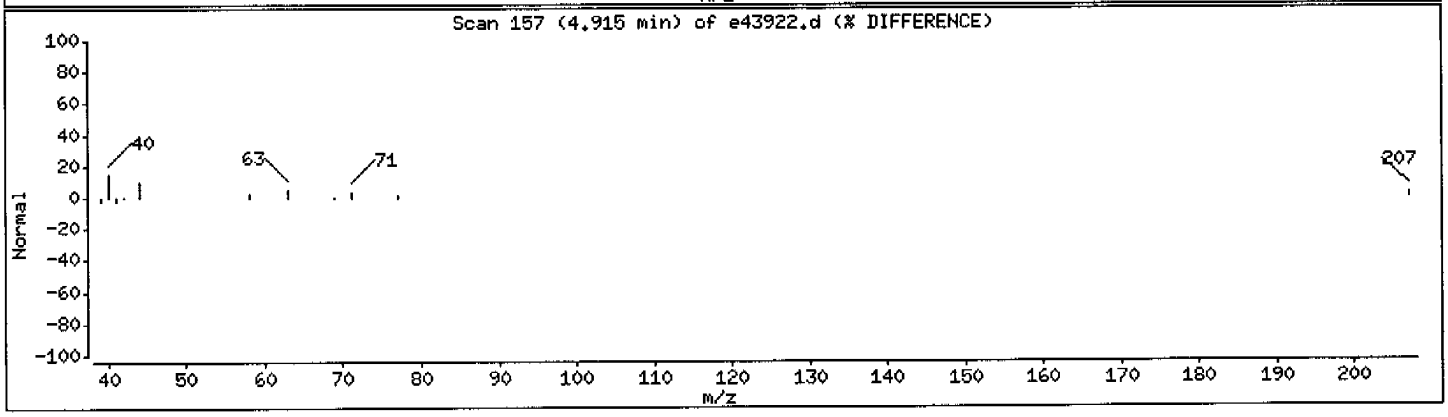
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 24 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

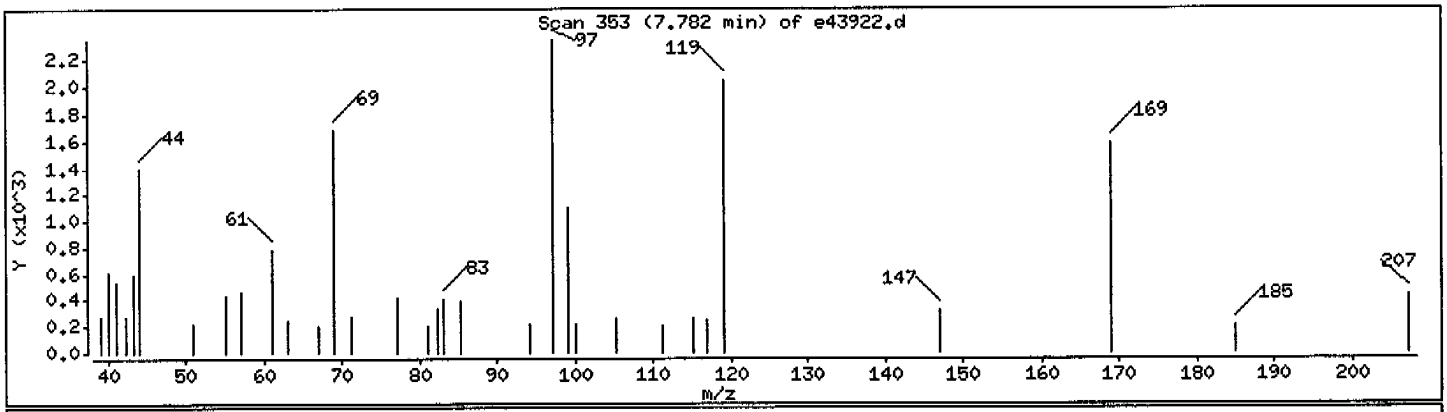
Client ID: B106-SS01 Instrument: VOAMS5.i

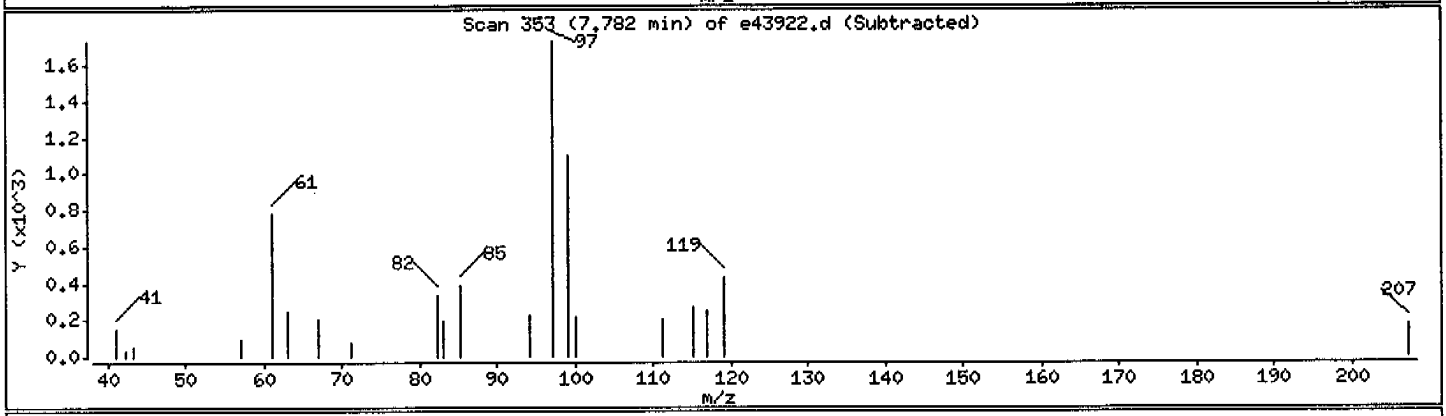
Sample Info: 775294;;;5,24;5

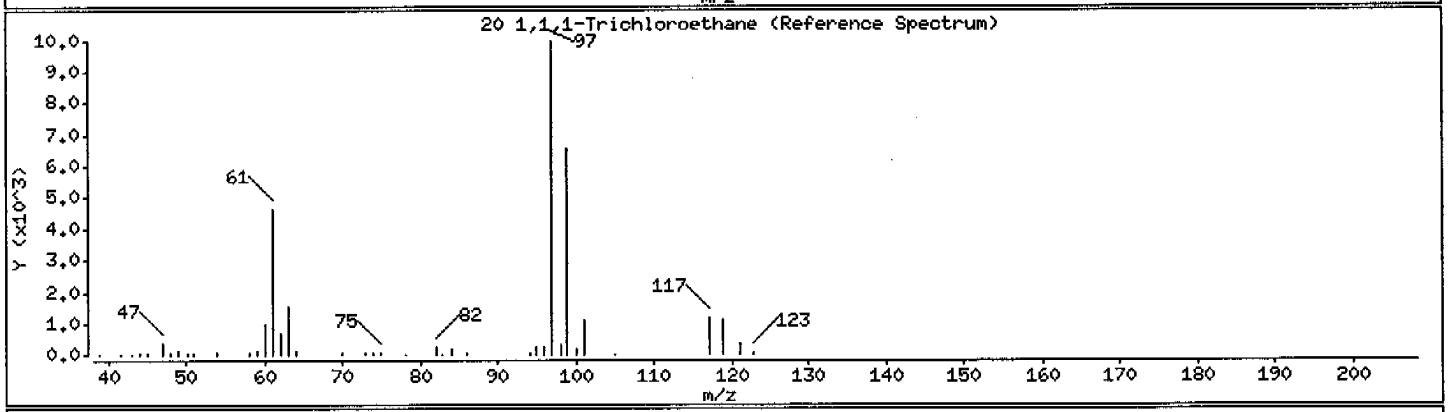
Operator: VOAMS 9

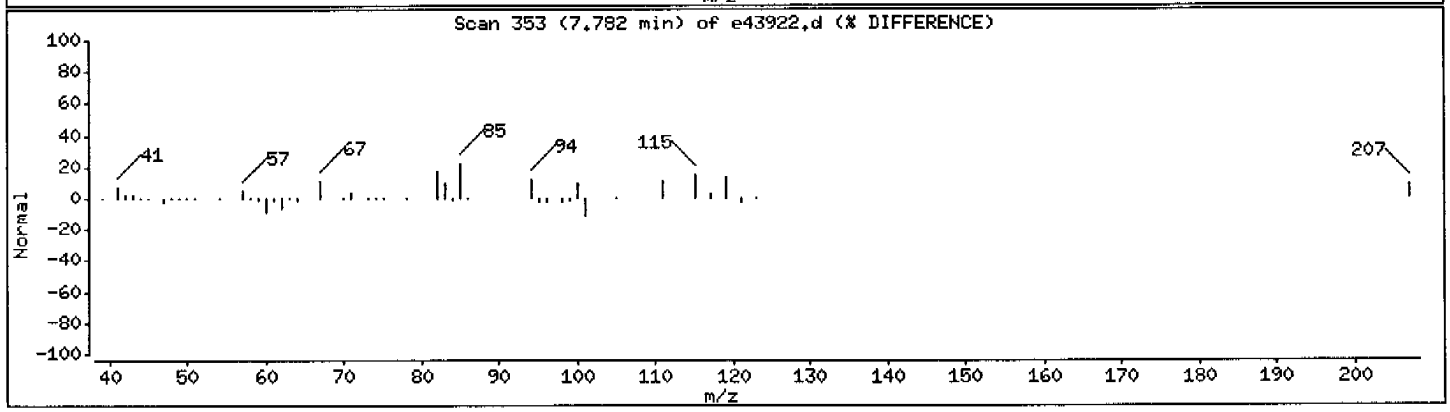
Column phase: DB624 Column diameter: 0.53

20 1,1,1-Trichloroethane Concentration: 1.2 ug/Kg









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Date : 06-OCT-2006 02:20

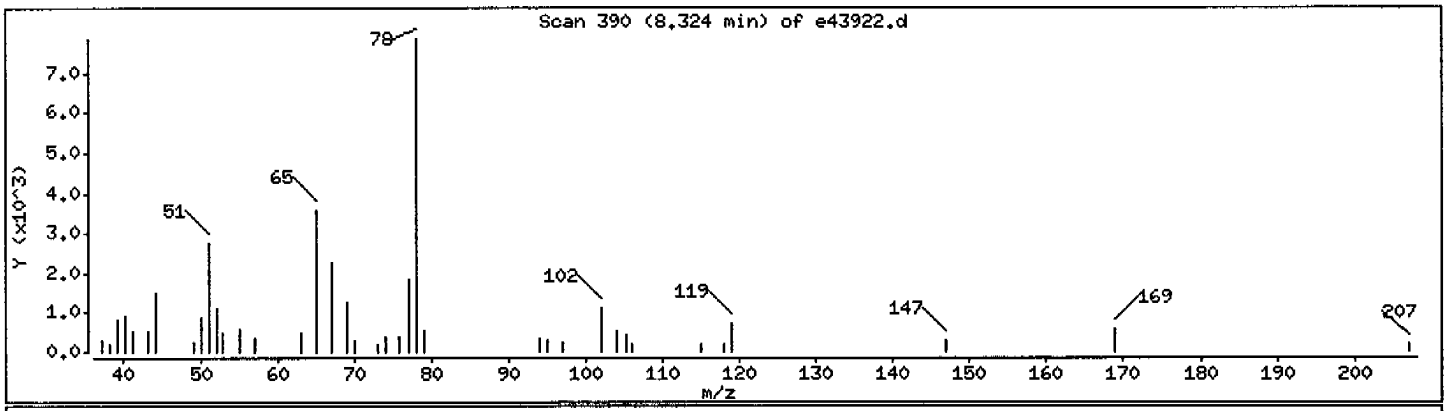
Client ID: B106-SS01 Instrument: VOAMS5.i

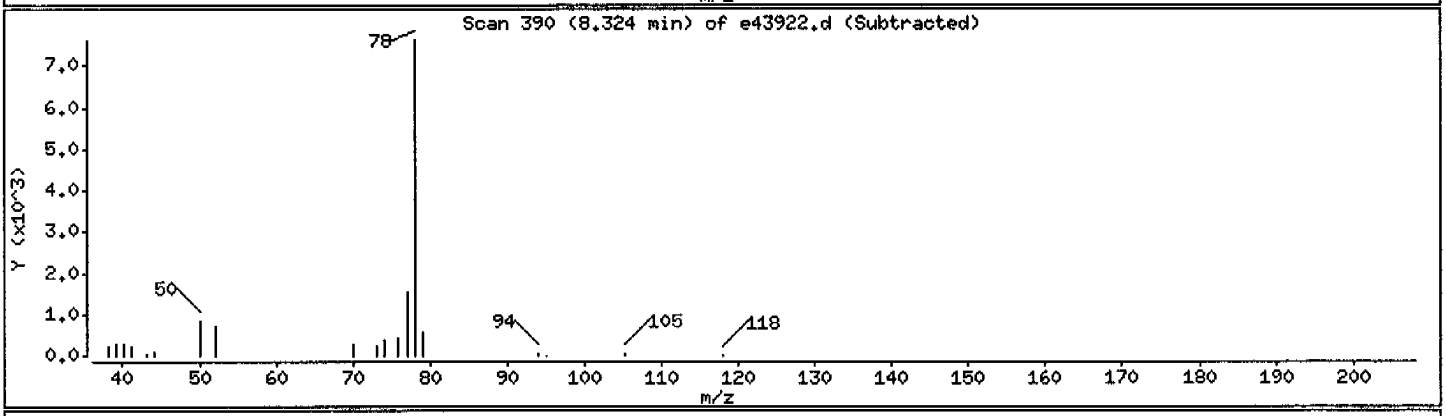
Sample Info: 775294;;;5.24;5

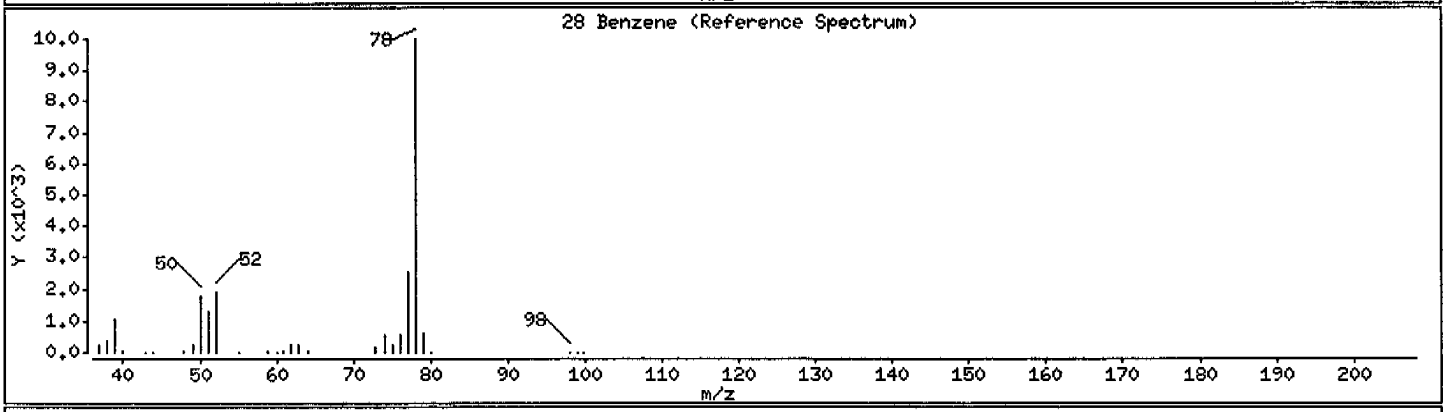
Operator: VOAMS 9

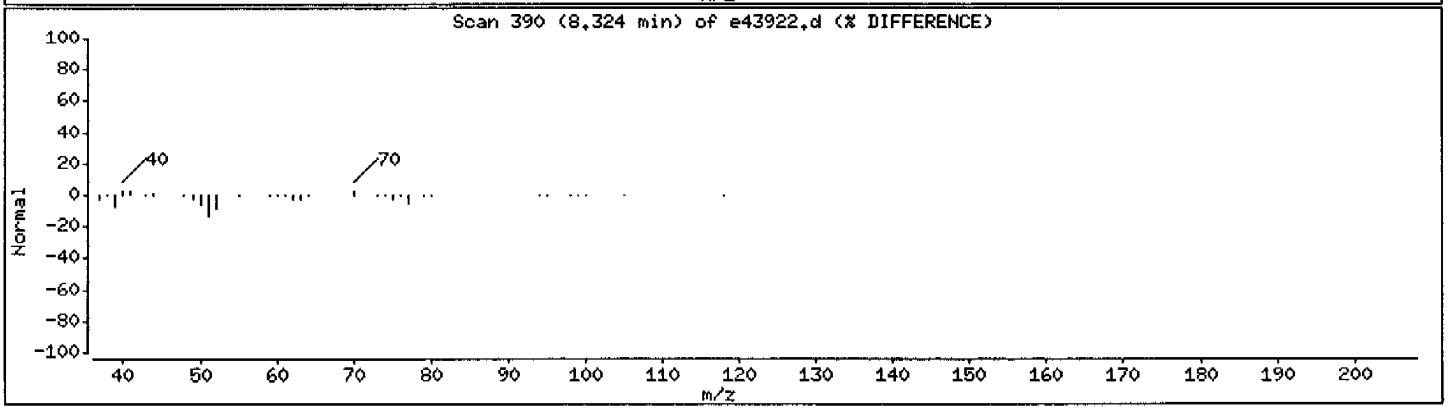
Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 2.2 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

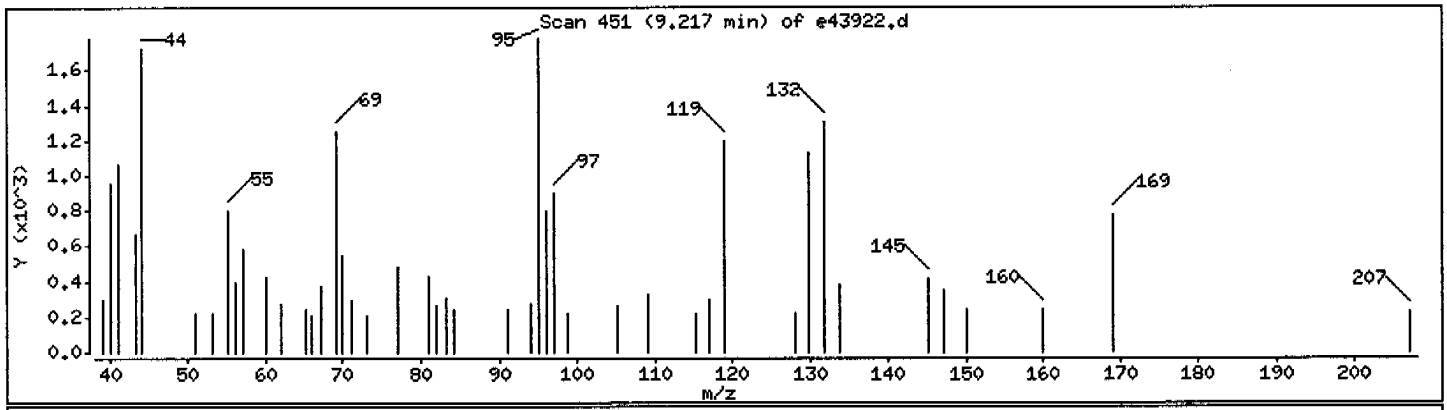
Client ID: B106-SS01 Instrument: VOAMS5.i

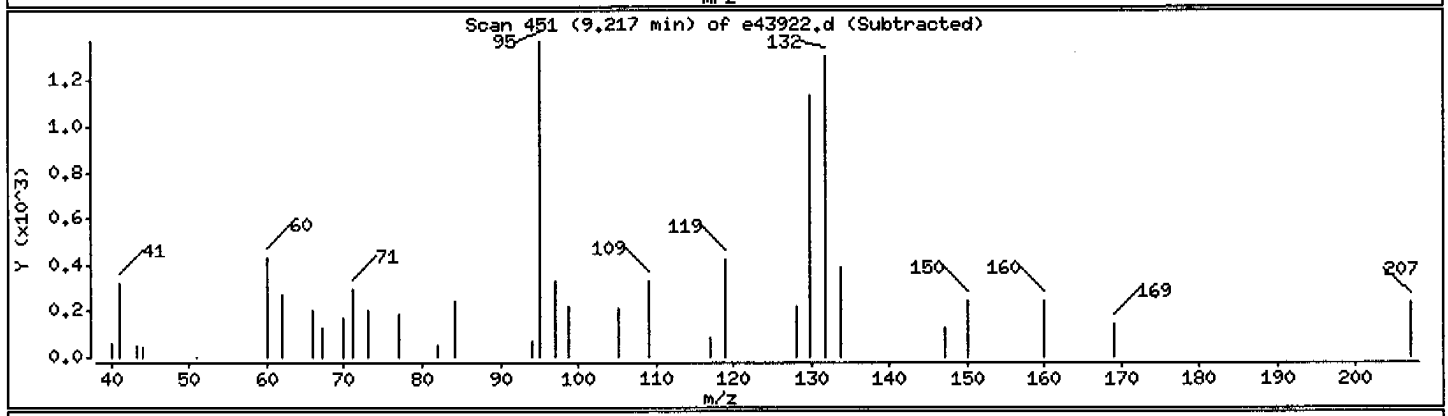
Sample Info: 775294;;;5.24;5

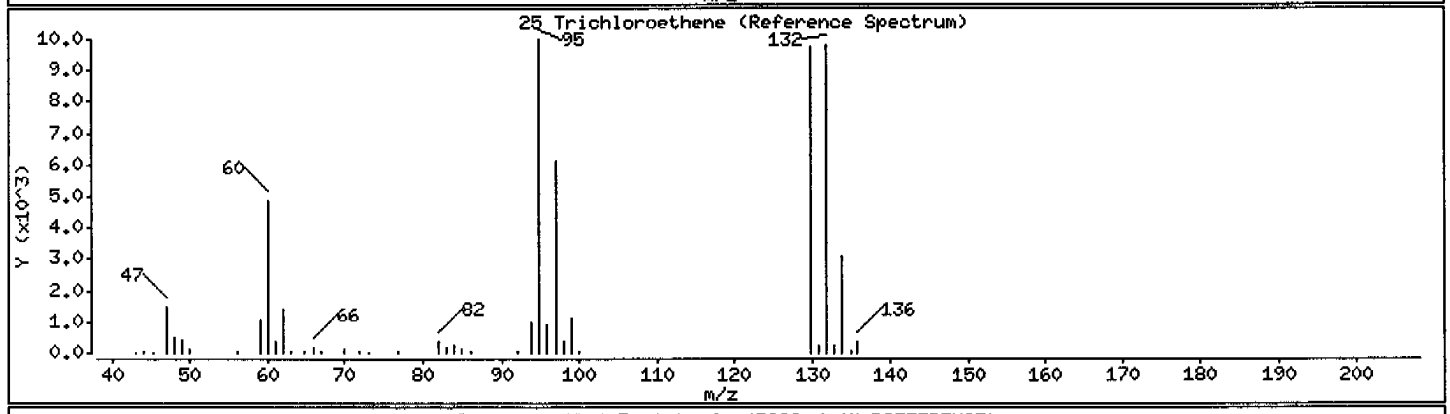
Operator: VOAMS 9

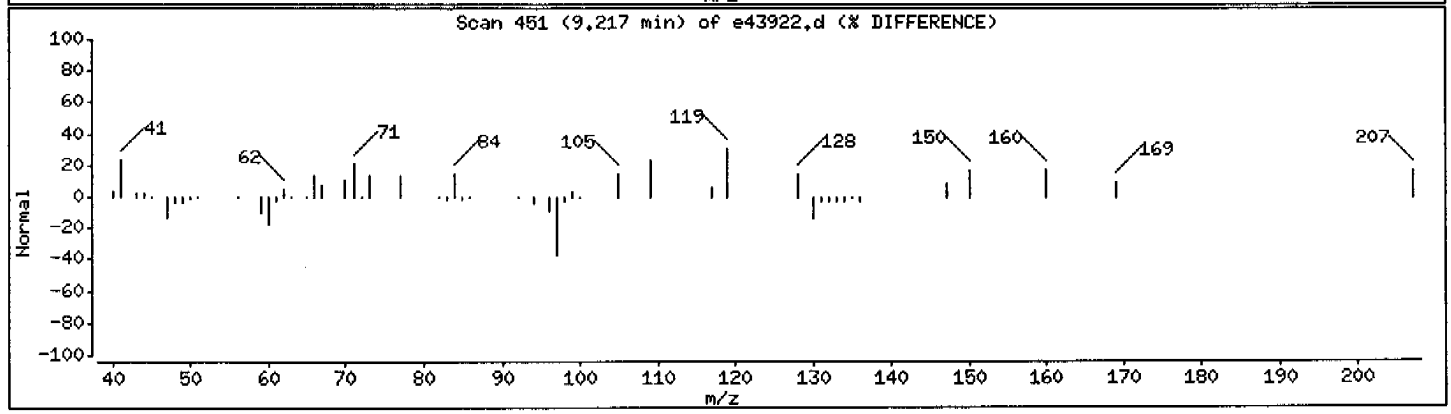
Column phase: DB624 Column diameter: 0.53

25 Trichloroethene Concentration: 0.75 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

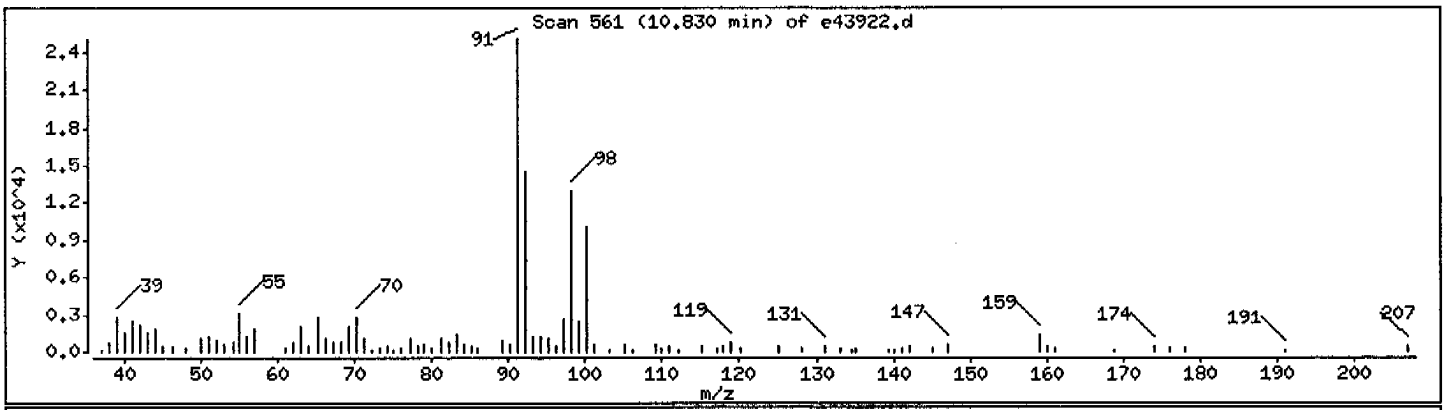
Client ID: B106-SS01 Instrument: VOAMS5.i

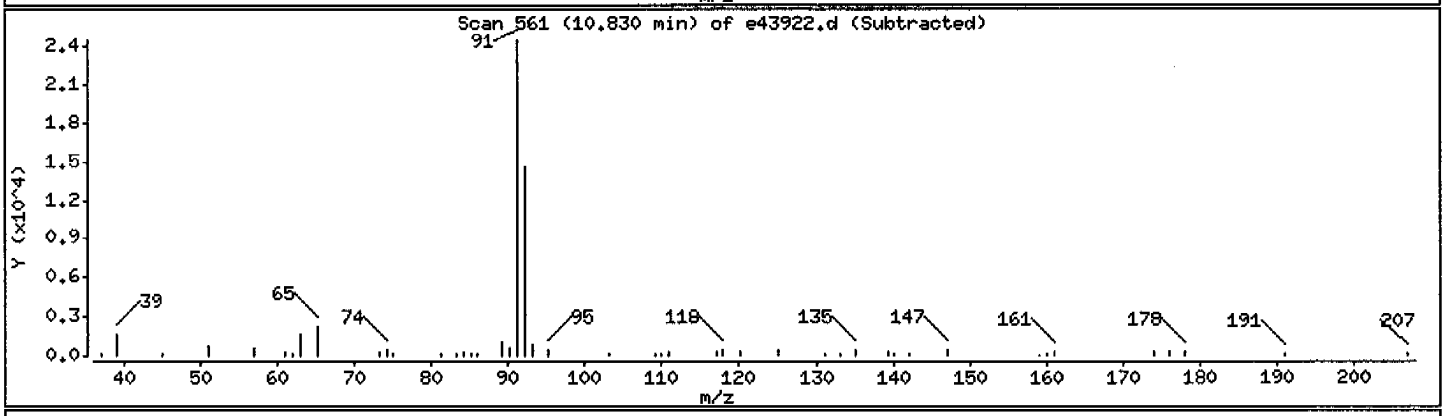
Sample Info: 775294;;;5.24;5

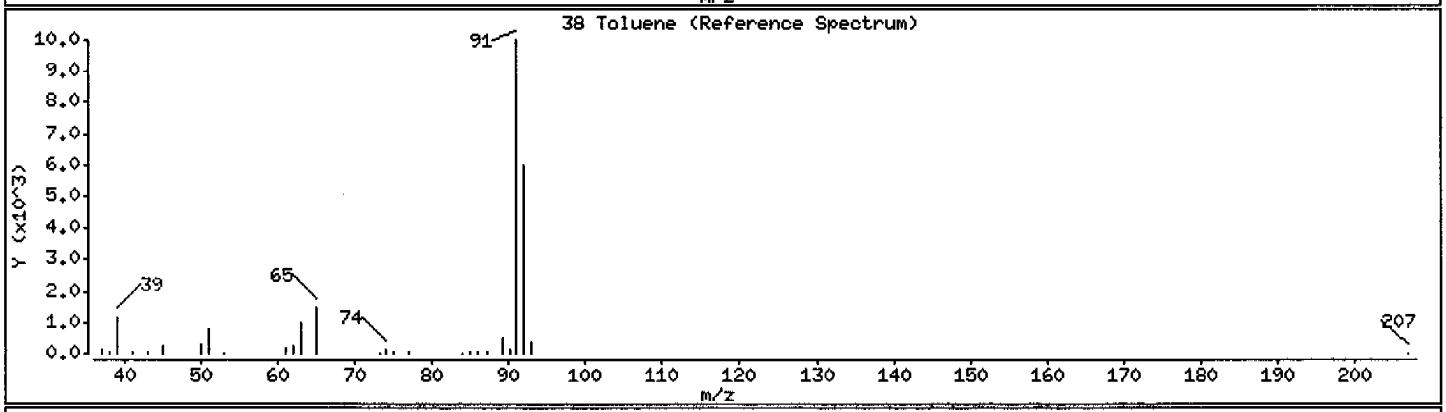
Operator: VOAMS 9

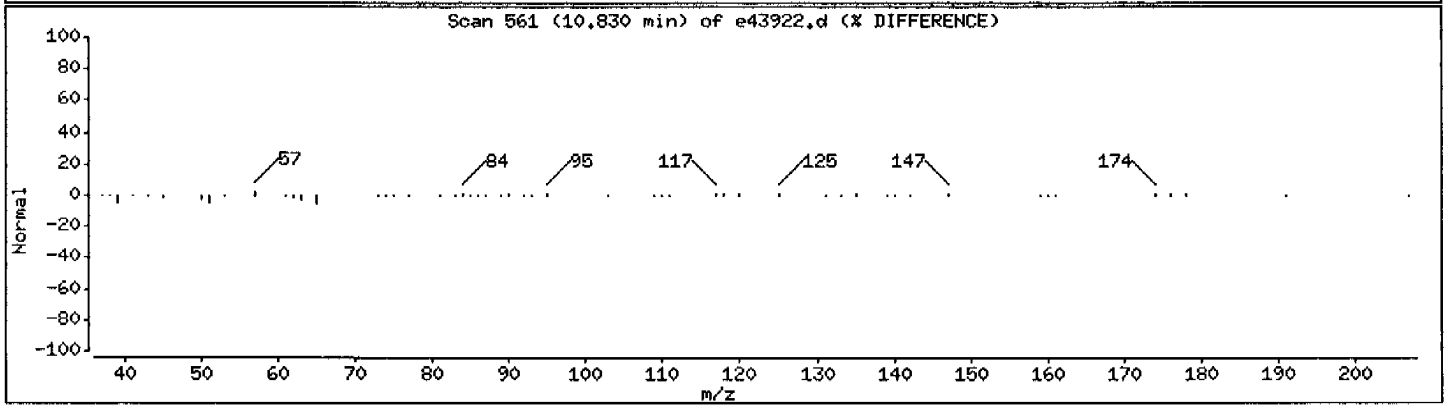
Column phase: DB624 Column diameter: 0.53

38 Toluene Concentration: 4.6 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

Client ID: B106-SS01

Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

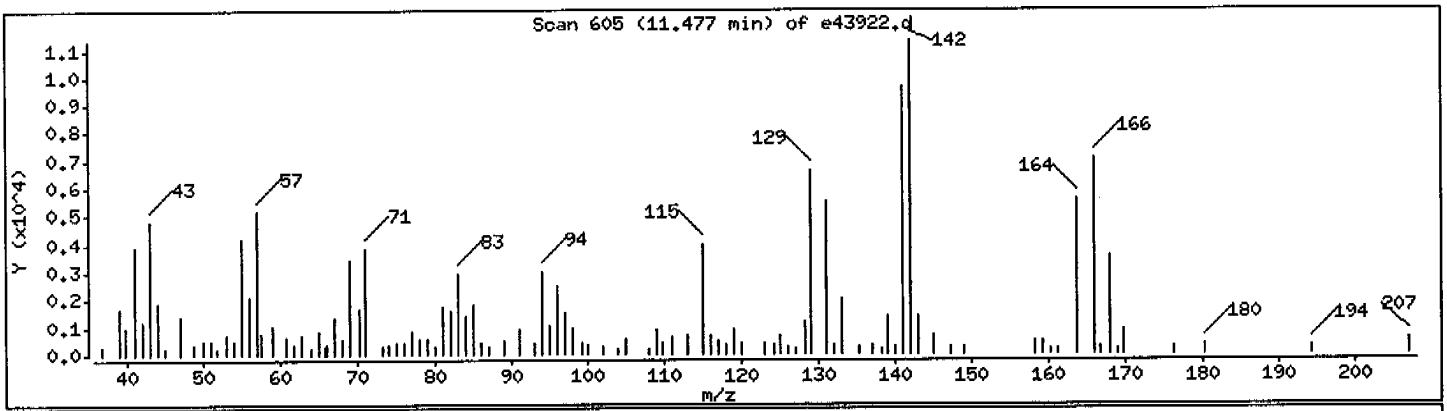
Operator: VOAMS 9

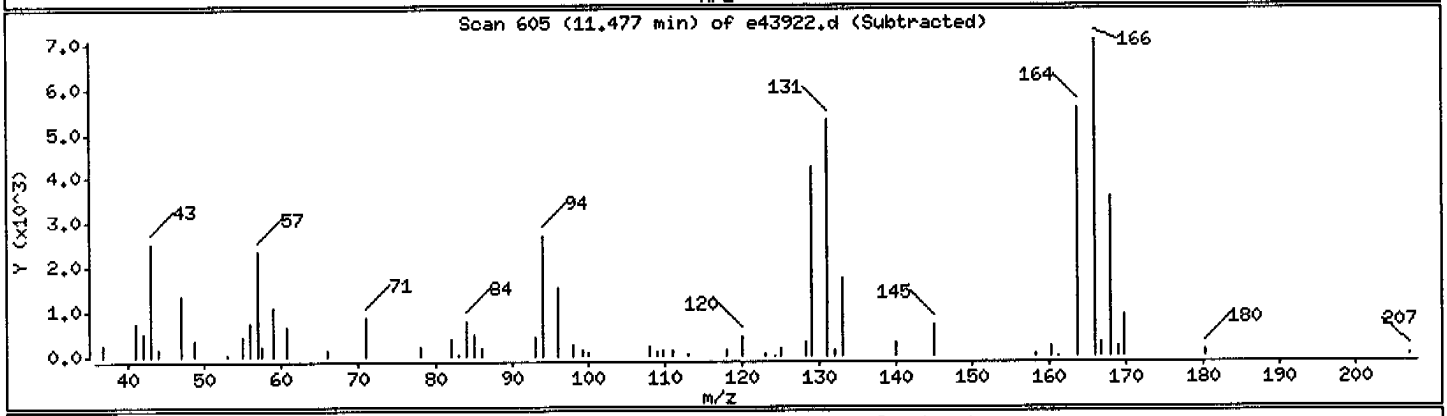
Column phase: DB624

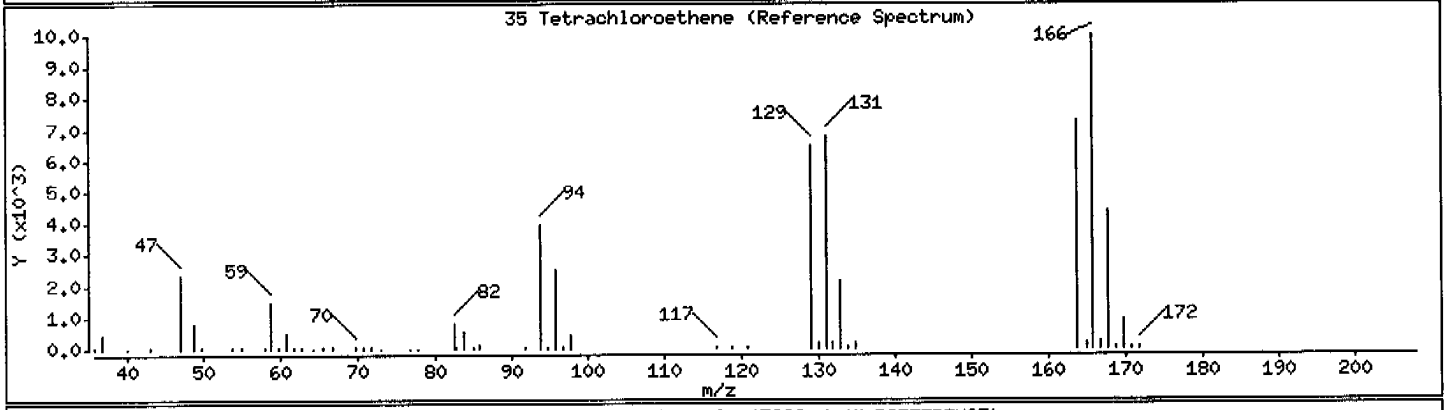
Column diameter: 0.53

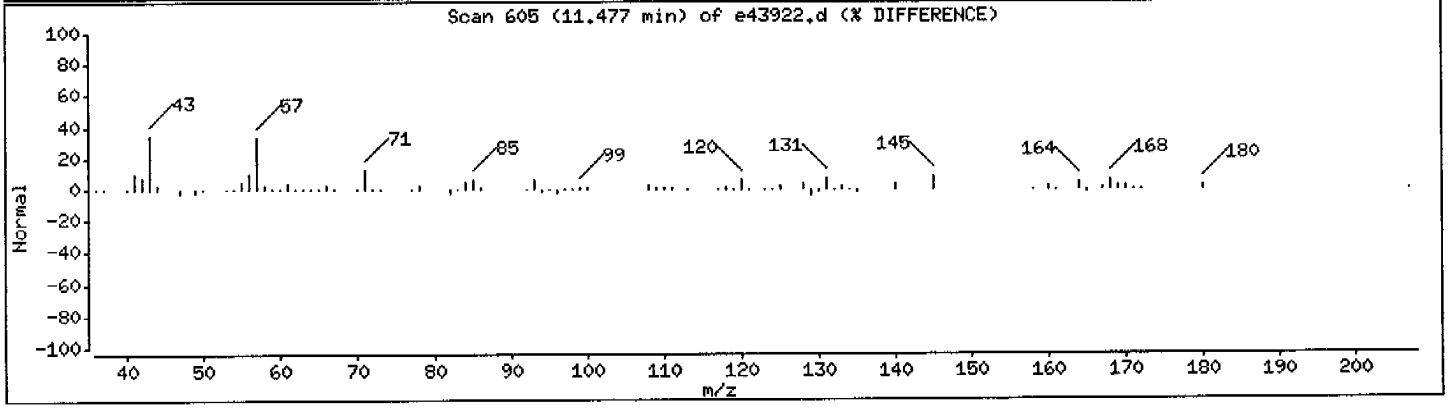
35 Tetrachloroethene

Concentration: 2.9 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

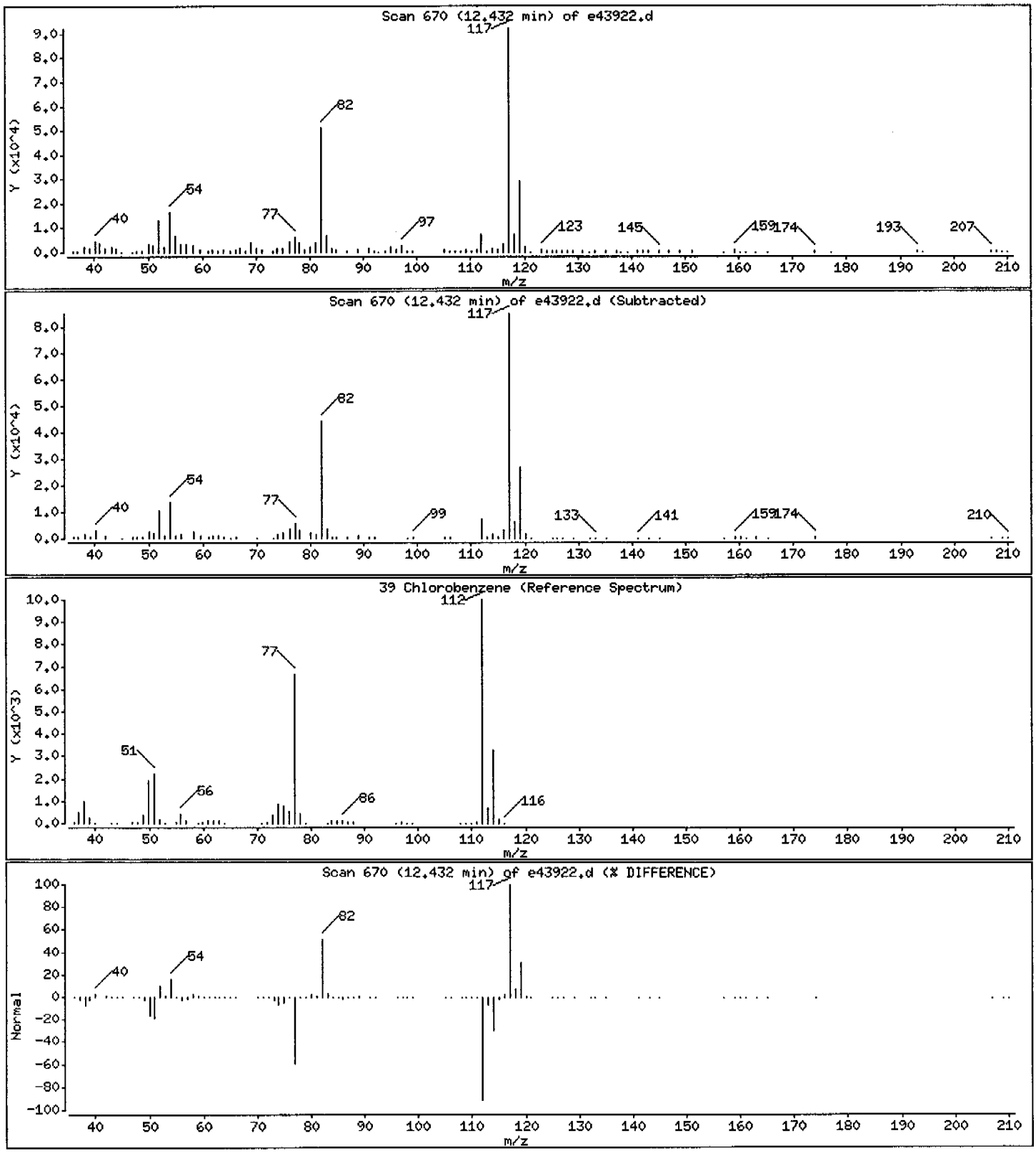
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

39 Chlorobenzene Concentration: 1.7 ug/Kg



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

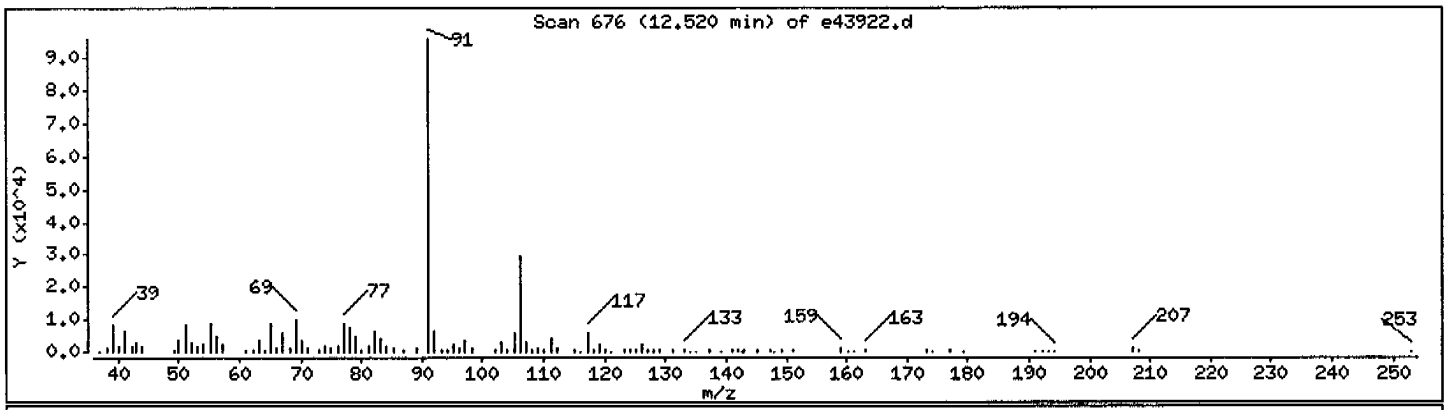
Client ID: B106-SS01 Instrument: VOAMS5.i

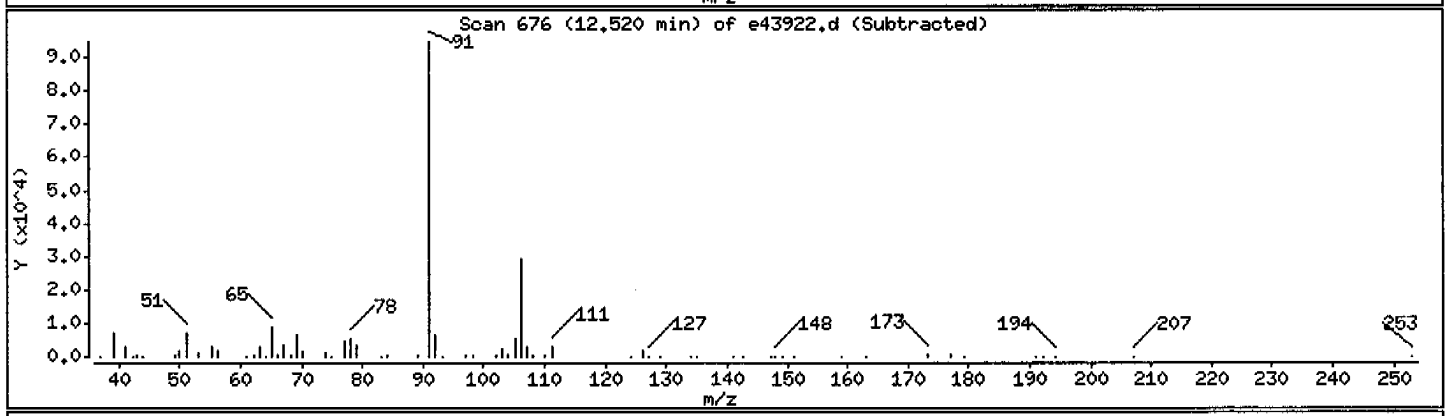
Sample Info: 775294;;;5.24;5

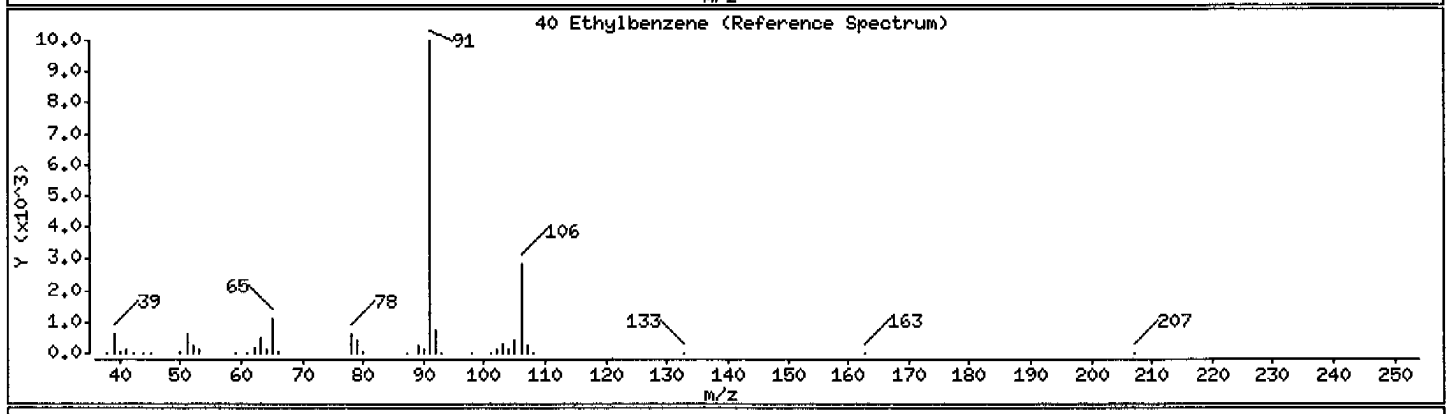
Operator: VOAMS 9

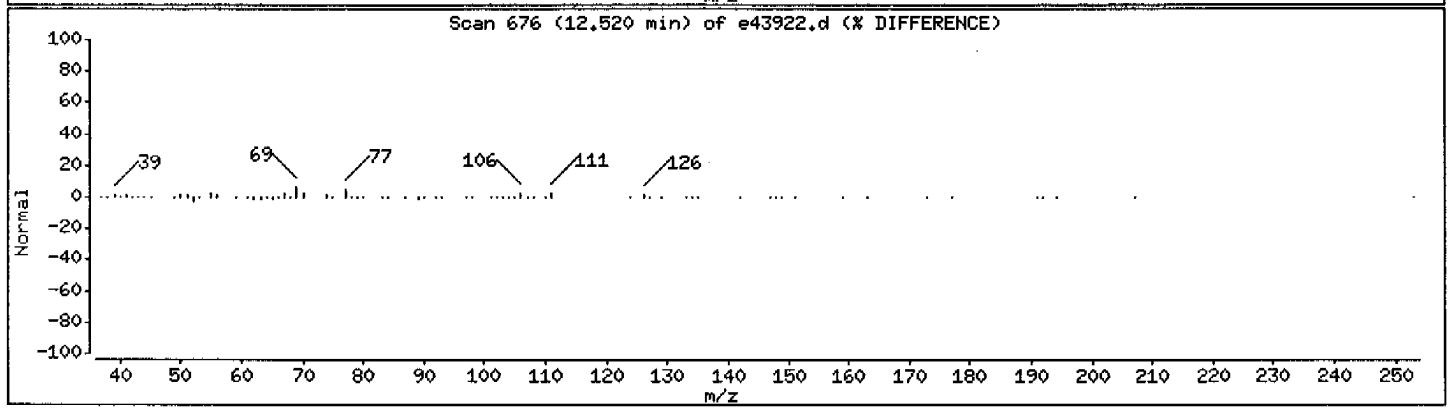
Column phase: DB624 Column diameter: 0.53

40 Ethylbenzene Concentration: 12 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

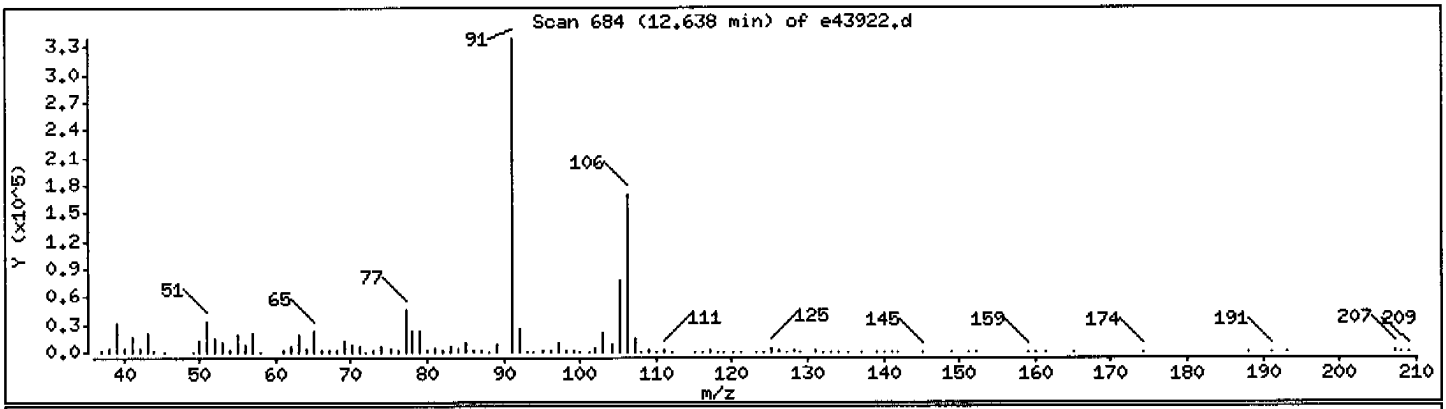
Client ID: B106-SS01 Instrument: VOAMS5.i

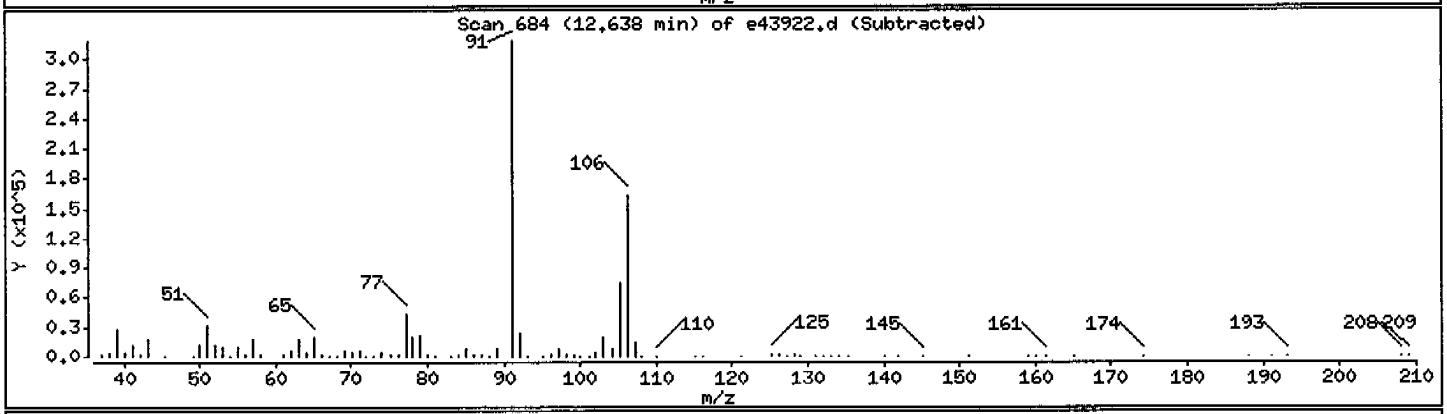
Sample Info: 775294;;;5.24;5

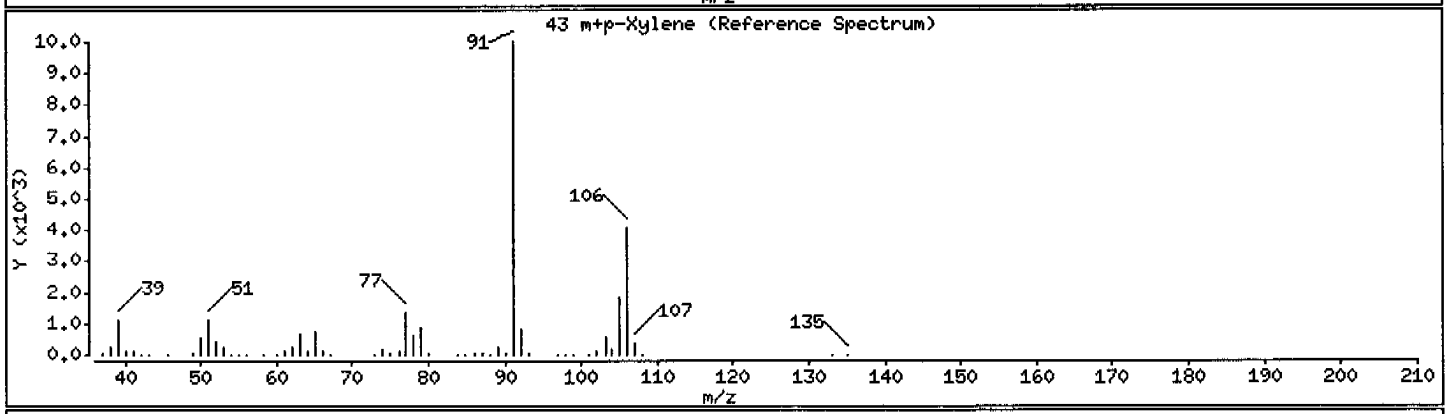
Operator: VOAMS 9

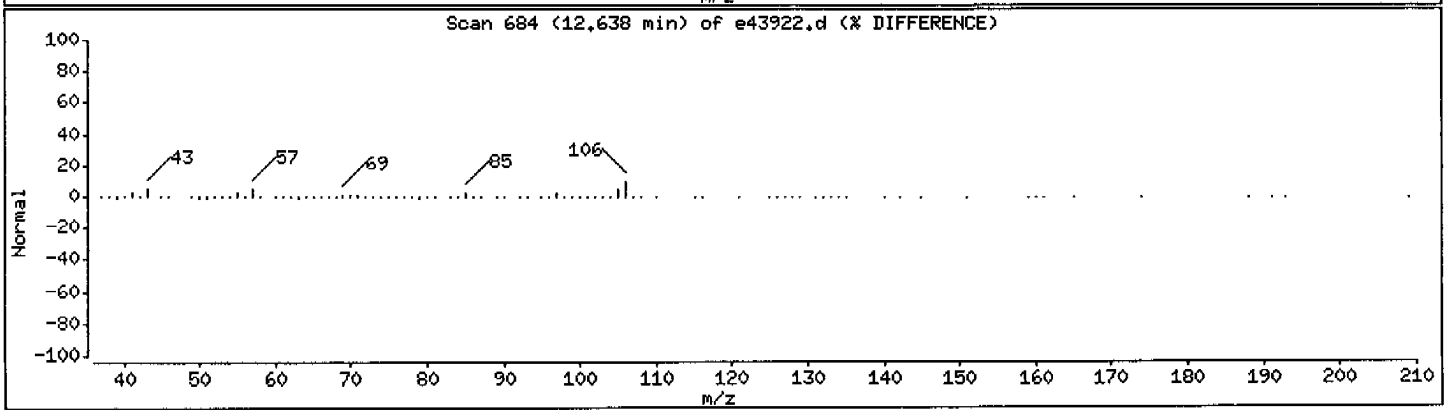
Column phase: DB624 Column diameter: 0.53

43 m+p-Xylene Concentration: 58 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

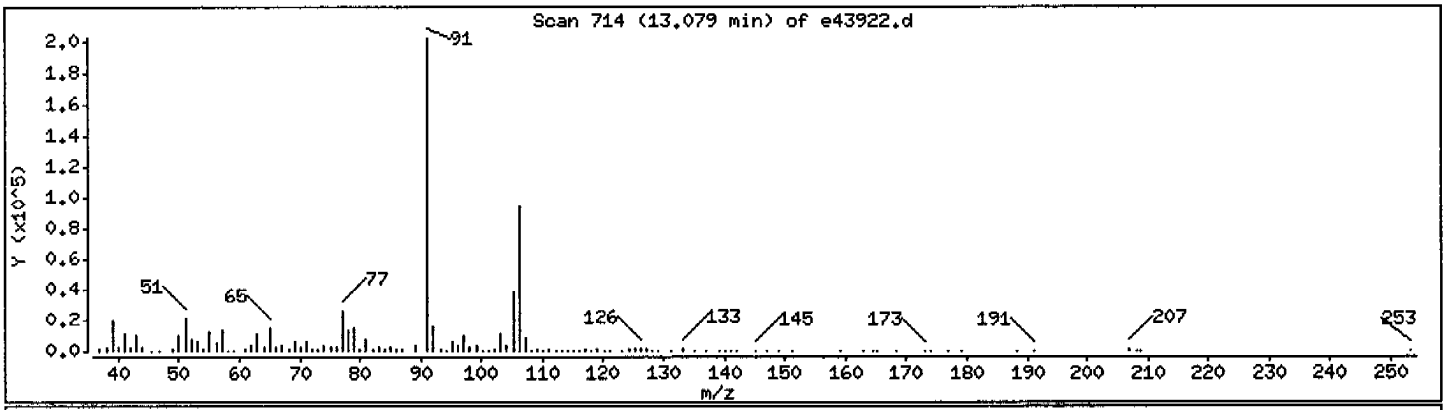
Client ID: B106-SS01 Instrument: VOAMS5.i

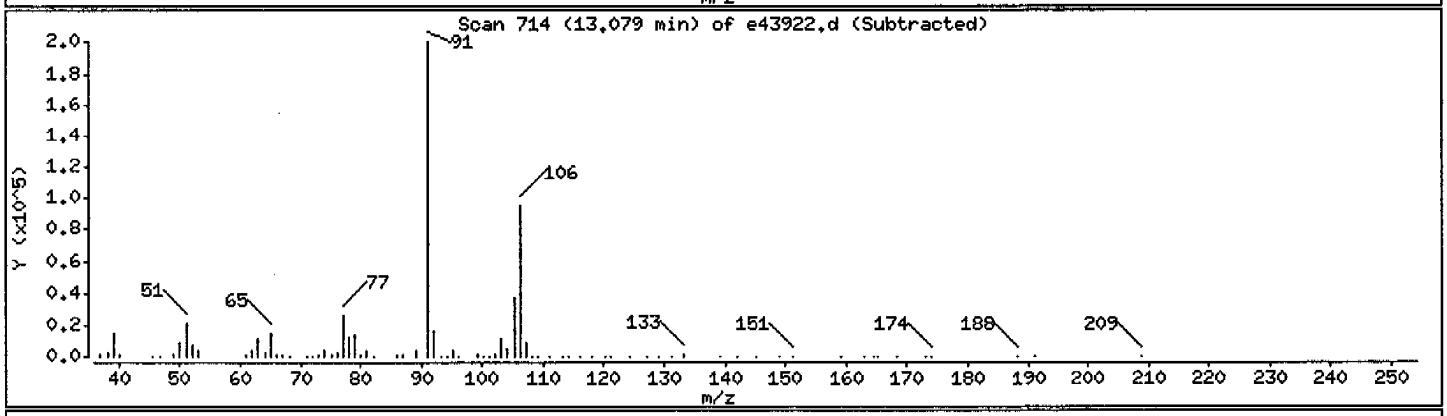
Sample Info: 775294;;;5.24;5

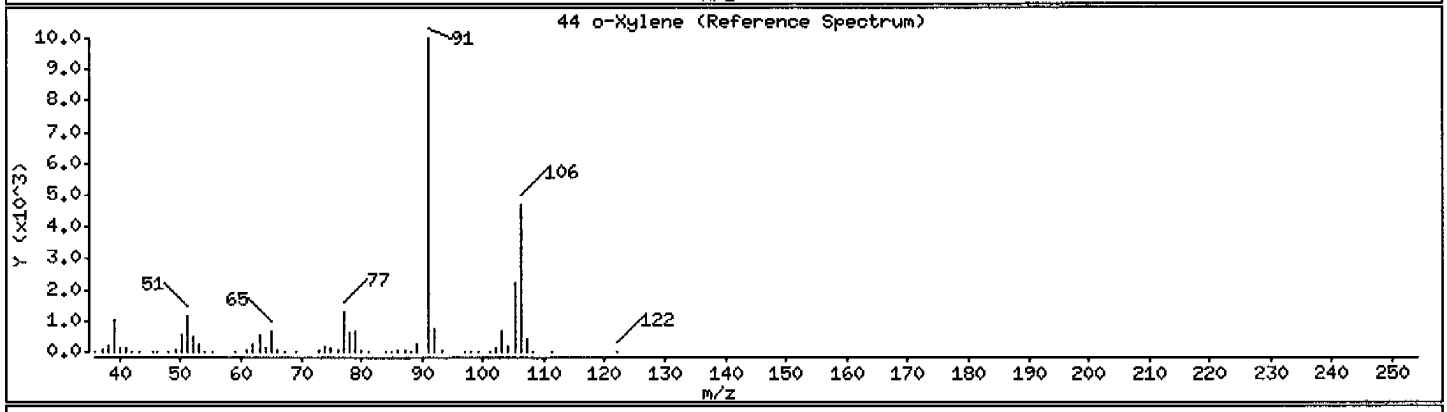
Operator: VOAMS 9

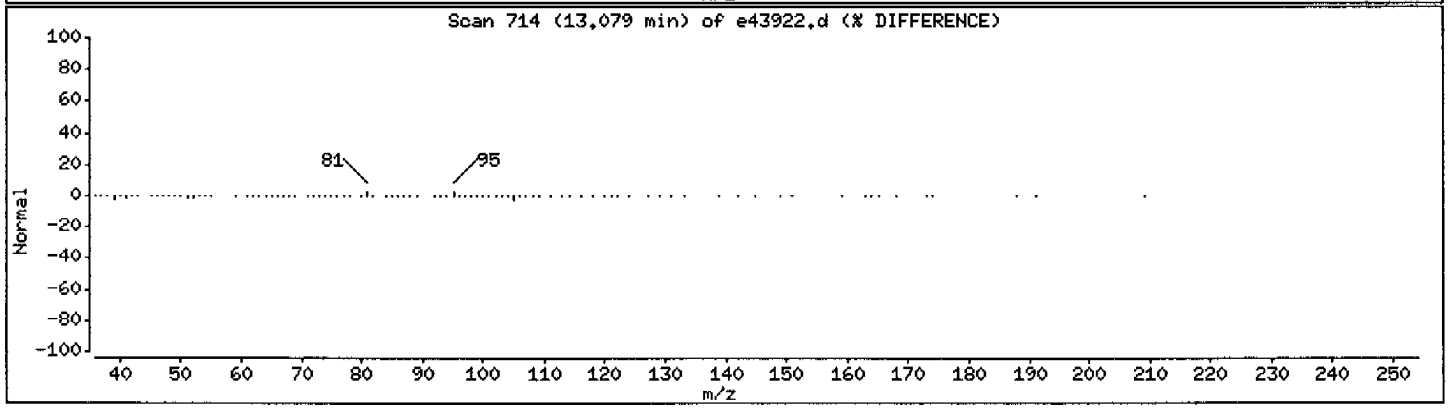
Column phase: DB624 Column diameter: 0.53

44 o-Xylene Concentration: 36 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

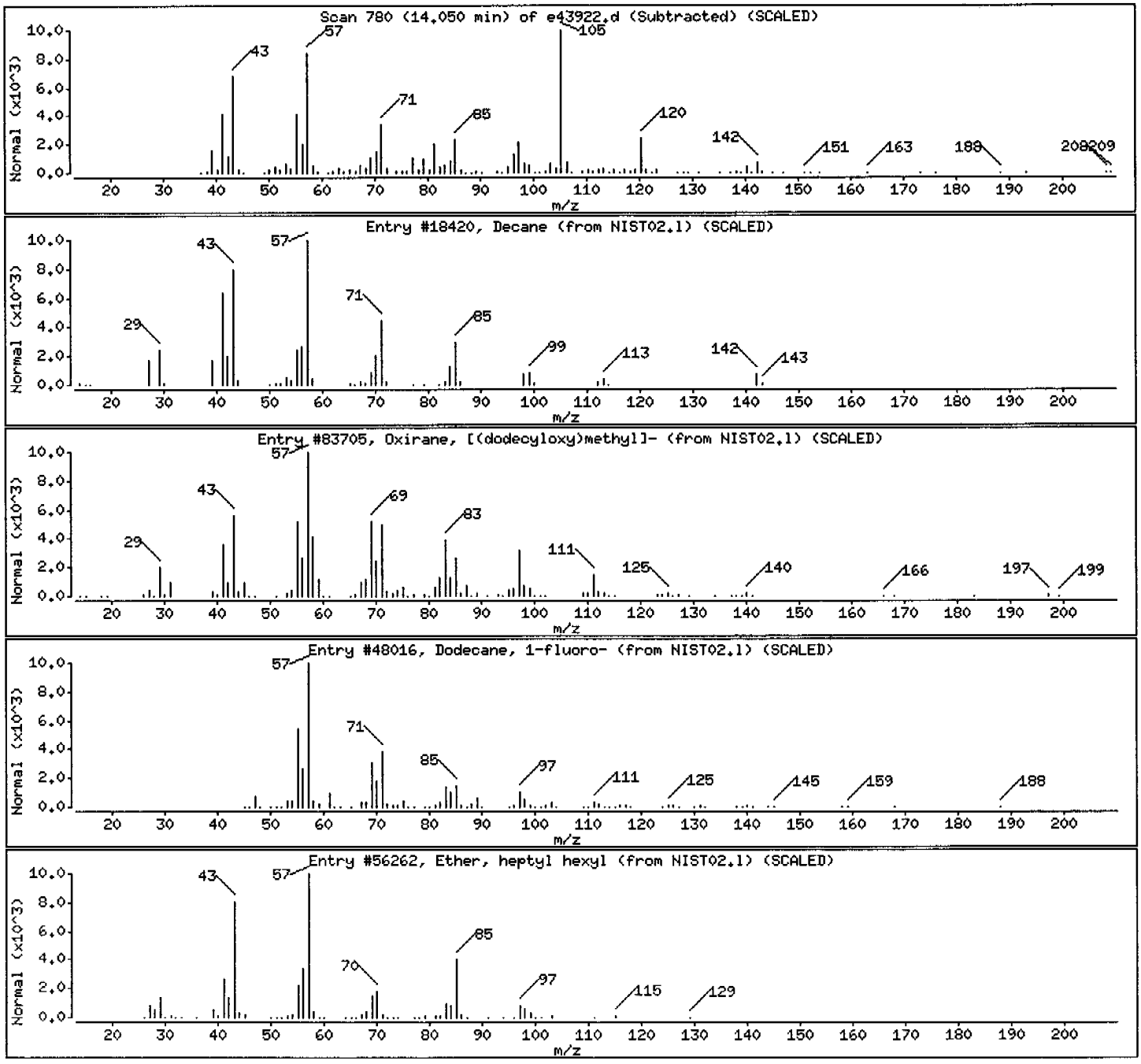
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H22 Alkane/C9H12 Aromatic						
Decane	124-18-5	NIST02.l	18420	95	C10H22	142
Oxirane, [(dodecyloxy)methyl]-	2461-18-9	NIST02.l	83705	52	C15H3002	242
Dodecane, 1-fluoro-	334-68-9	NIST02.l	48016	38	C12H25F	188
Ether, heptyl hexyl	7289-40-9	NIST02.l	56262	30	C13H280	200



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

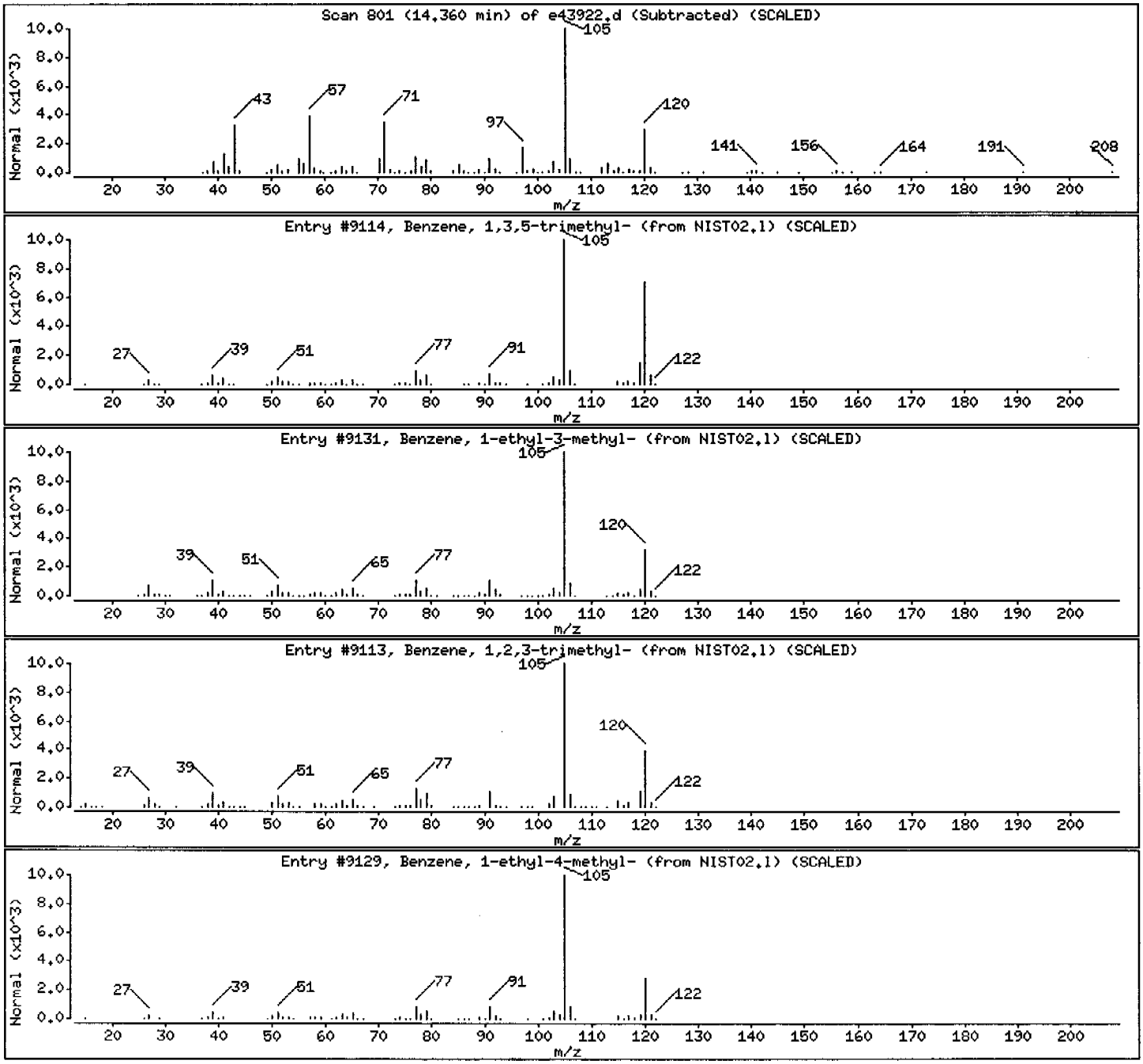
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer						
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.l	9114	60	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.l	9131	60	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.l	9113	60	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NIST02.l	9129	60	C9H12	120



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Date : 06-OCT-2006 02:20

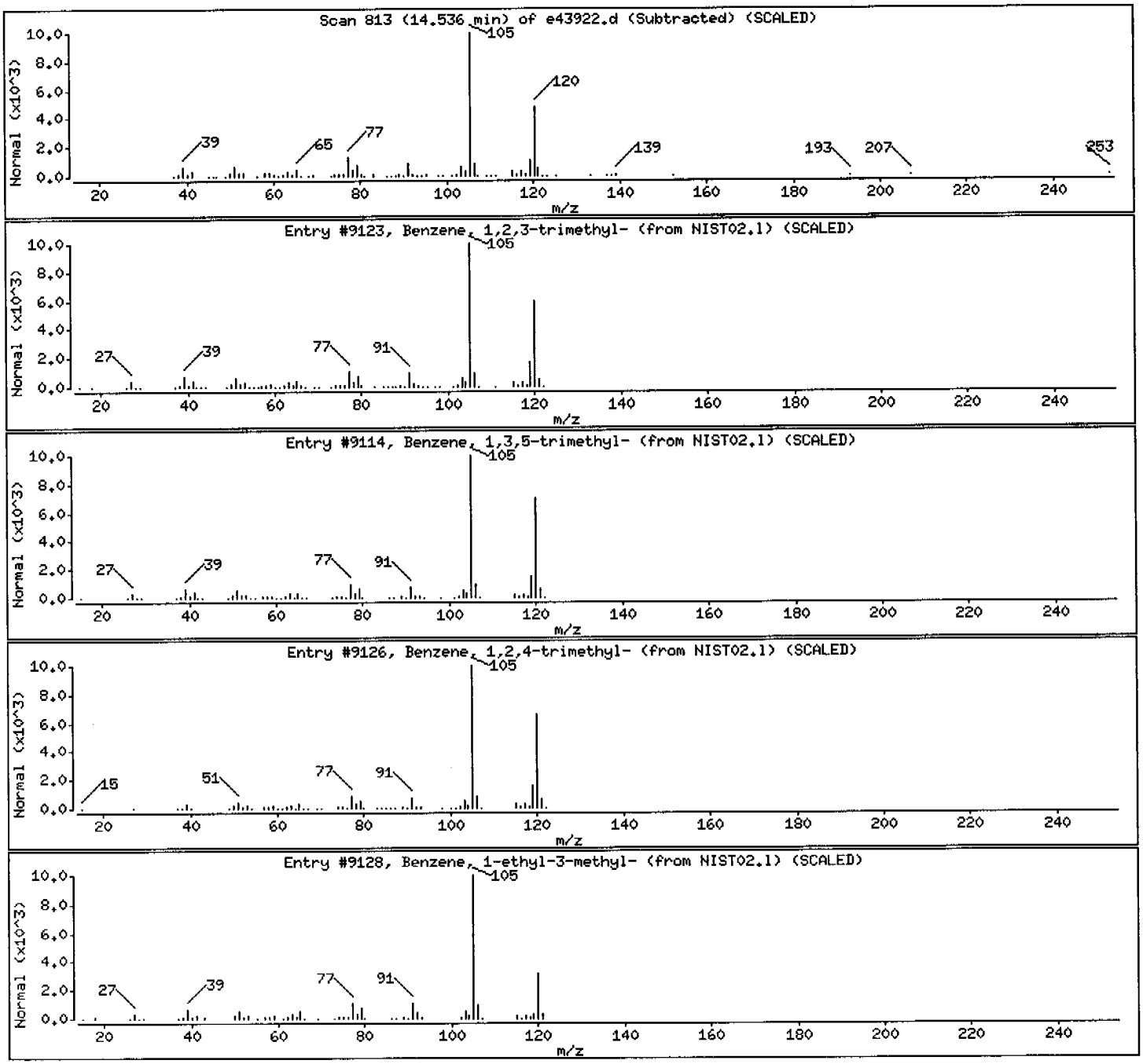
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.l	9123	97	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.l	9114	97	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.l	9126	95	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.l	9128	94	C9H12	120



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Date : 06-OCT-2006 02:20

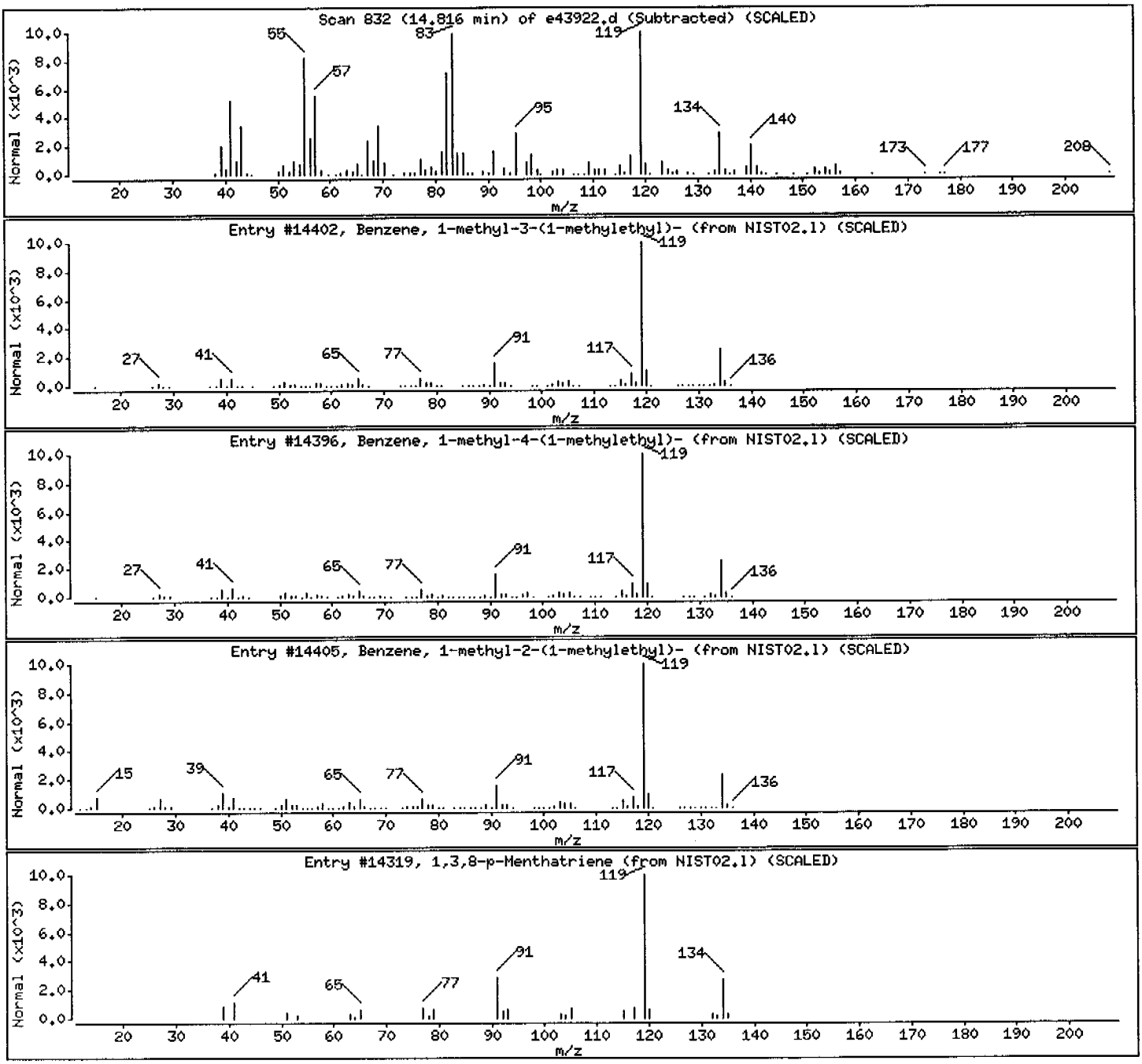
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H14 Aromatic/Unknown						
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14402	38	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST02.l	14396	38	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14405	38	C10H14	134
1,3,8-p-Menthatriene	21195-59-5	NIST02.l	14319	30	C10H14	134



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Date : 06-OCT-2006 02:20

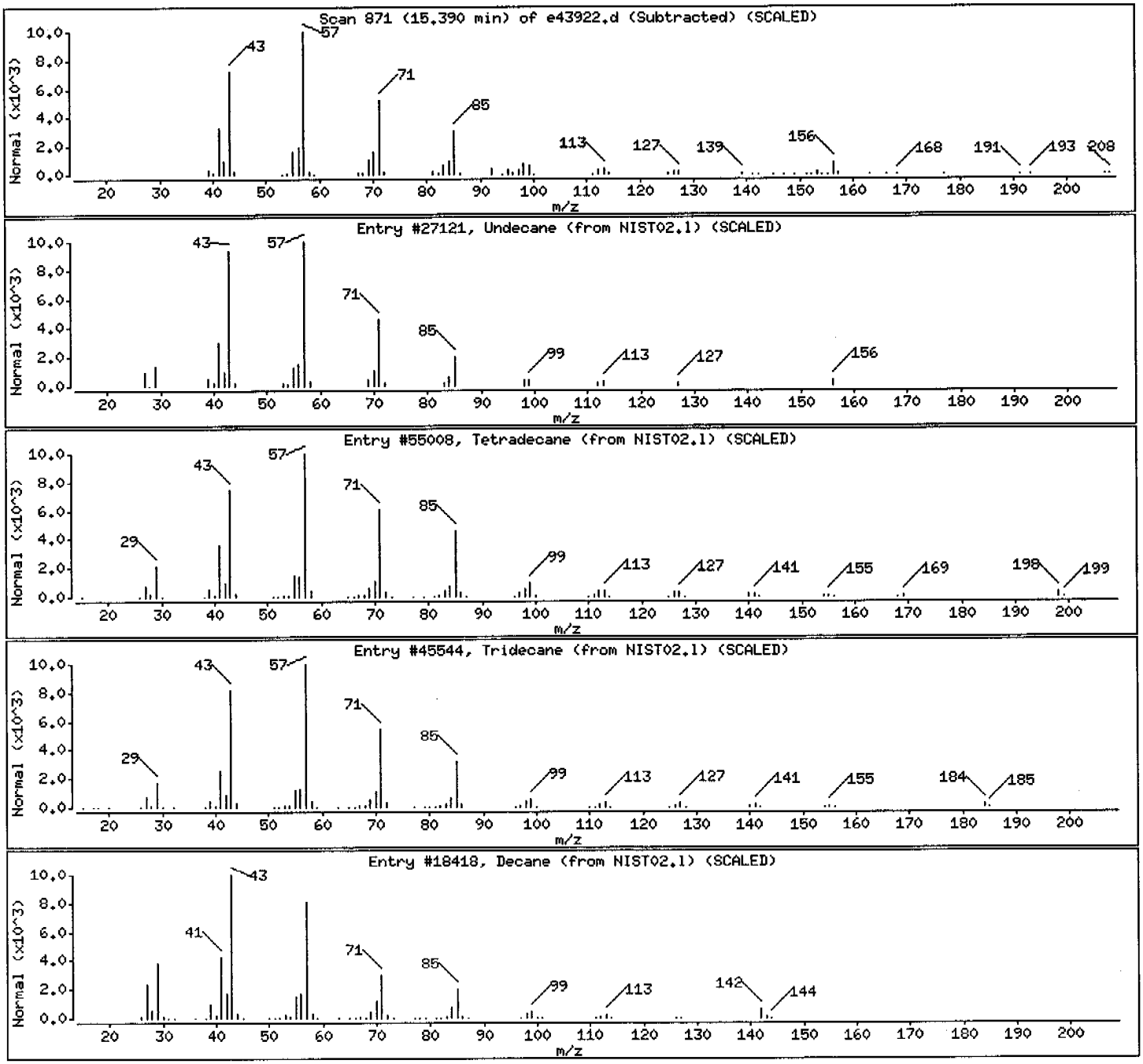
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Undecane	1120-21-4	NIST02.l	27121	91	C11H24	156
Tetradecane	629-59-4	NIST02.l	55008	78	C14H30	198
Tridecane	629-50-5	NIST02.l	45544	78	C13H28	184
Decane	124-18-5	NIST02.l	18418	76	C10H22	142



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

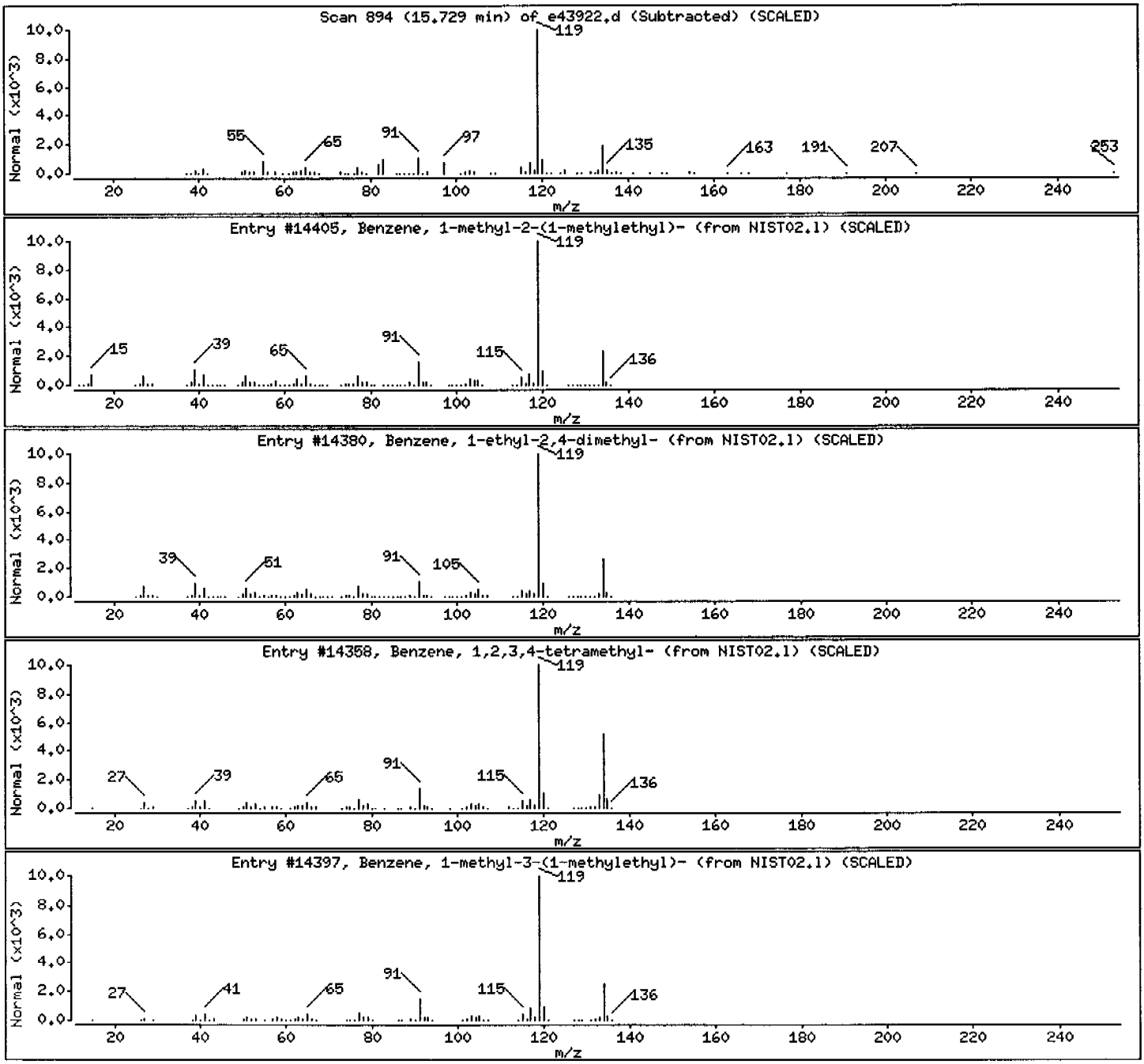
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methyl-methylethylbenzene isomer						
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14405	80	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST02.l	14380	80	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.l	14358	80	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14397	80	C10H14	134



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

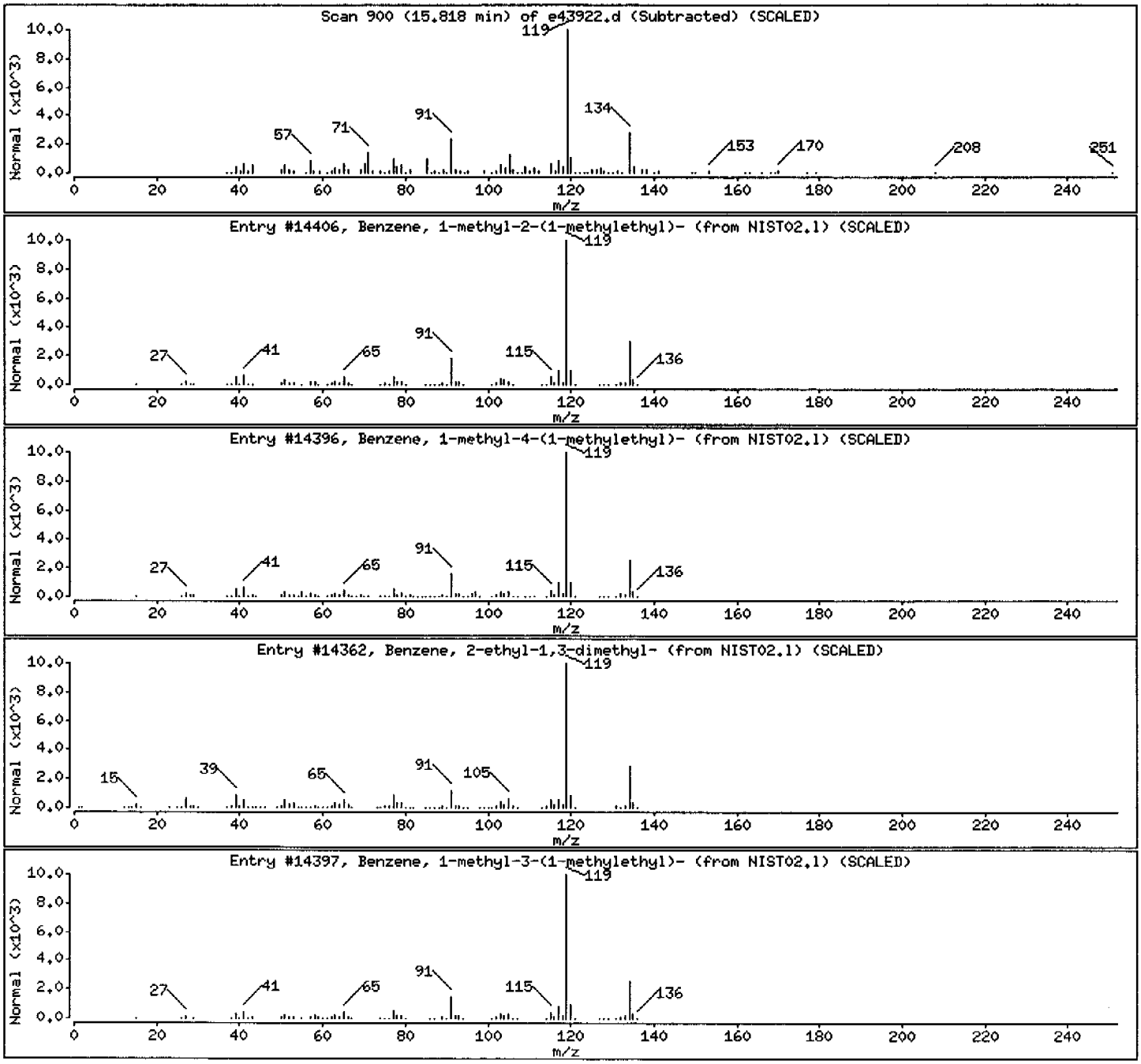
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methyl-methylethylbenzene isomer						
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST02.l	14406	93	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST02.l	14396	81	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NIST02.l	14362	81	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST02.l	14397	81	C10H14	134



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43922.d

Date : 06-OCT-2006 02:20

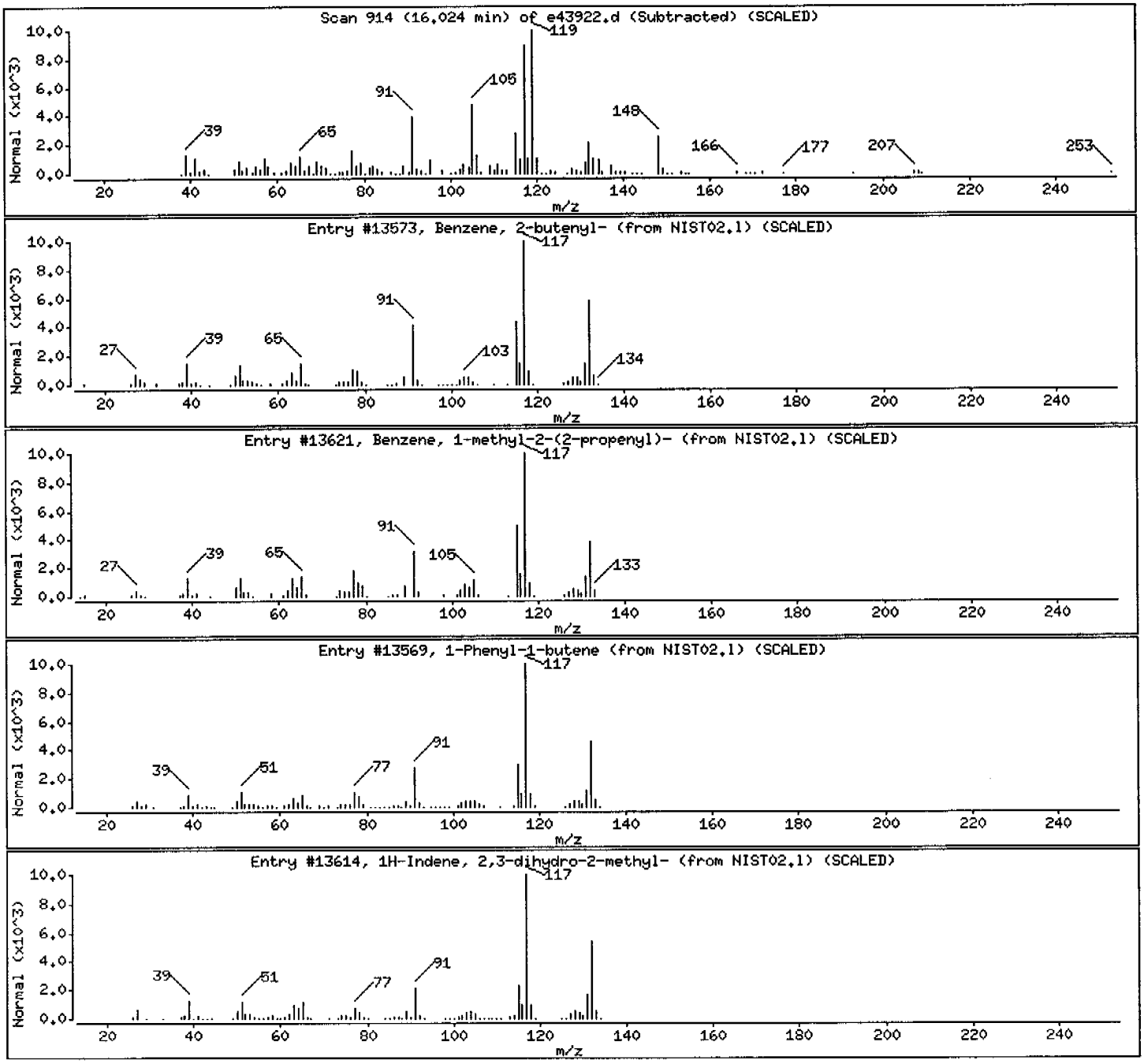
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Aromatics						
Benzene, 2-butenyl-	1560-06-1	NIST02.l	13573	89	C10H12	132
Benzene, 1-methyl-2-(2-propenyl)-	1587-04-8	NIST02.l	13621	70	C10H12	132
1-Phenyl-1-butene	824-90-8	NIST02.l	13569	64	C10H12	132
1H-Indene, 2,3-dihydro-2-methyl-	824-63-5	NIST02.l	13614	50	C10H12	132



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Date : 06-OCT-2006 02:20

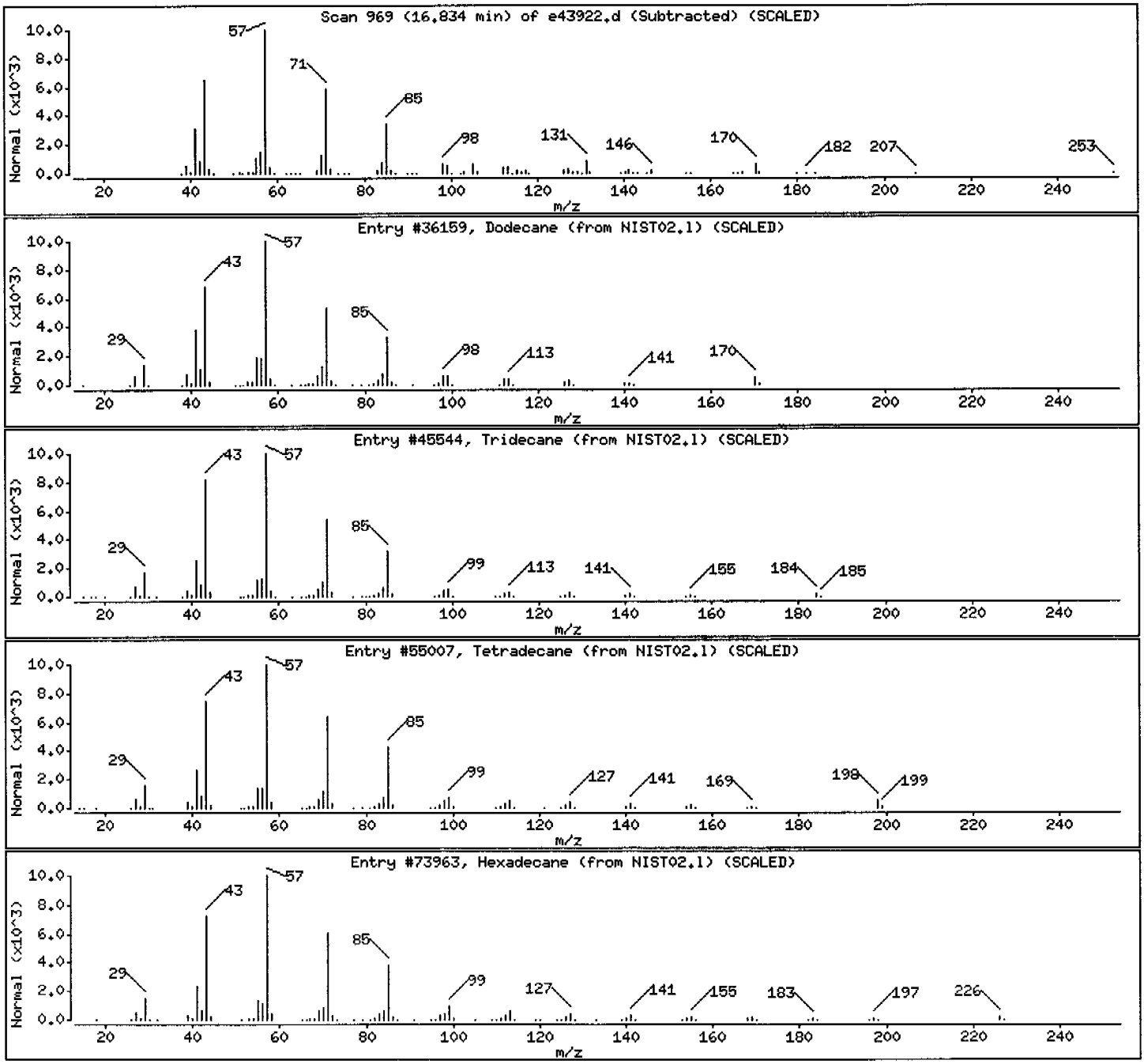
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C12H26 Alkane						
Dodecane	112-40-3	NIST02.l	36159	96	C12H26	170
Tridecane	629-50-5	NIST02.l	45544	86	C13H28	184
Tetradecane	629-59-4	NIST02.l	55007	78	C14H30	198
Hexadecane	544-76-3	NIST02.l	73963	72	C16H34	226



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Date : 06-OCT-2006 02:20

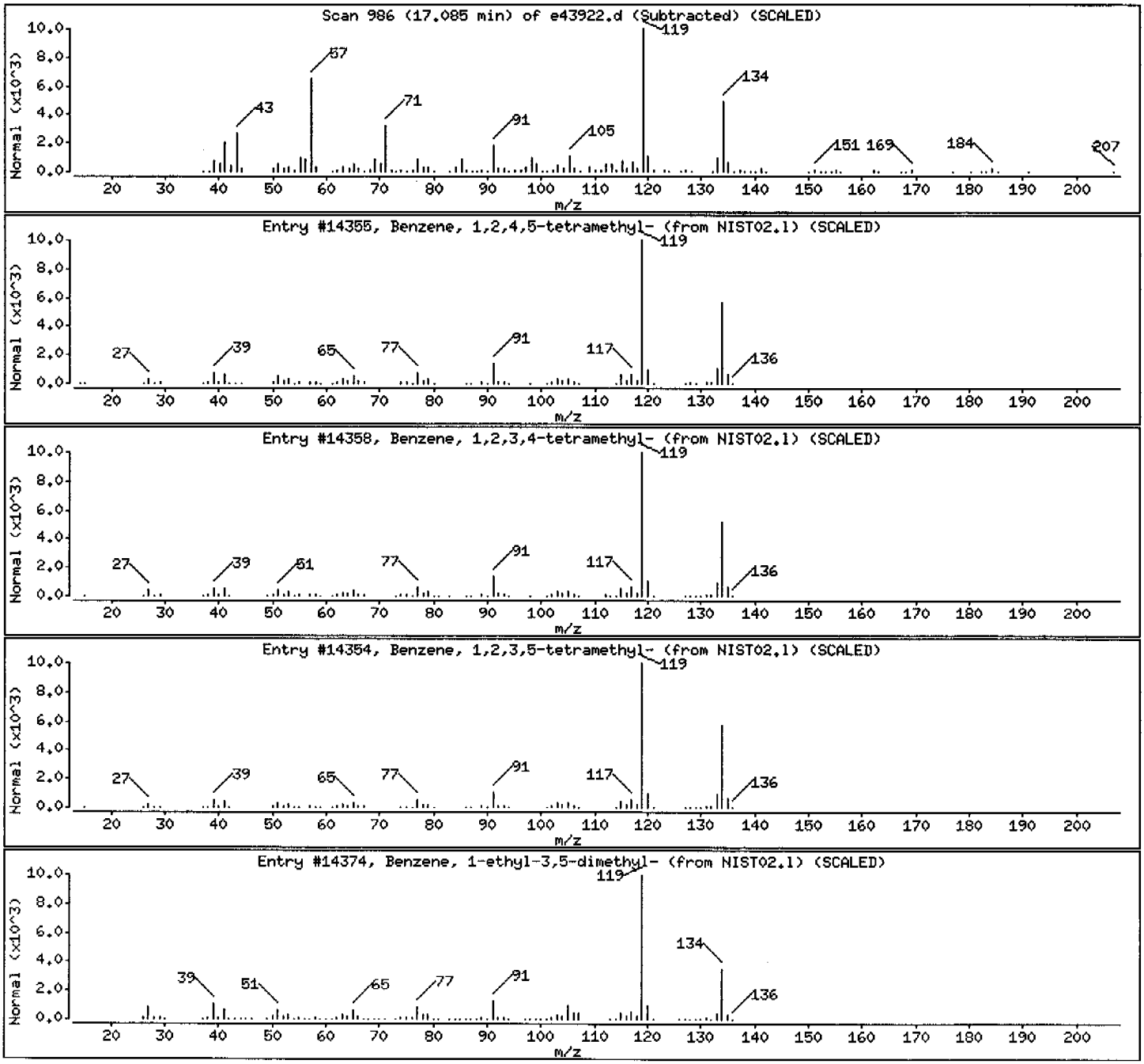
Client ID: B106-SS01 Instrument: VOAMS5.i

Sample Info: 775294;;;5.24;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetramethylbenzene isomer/Unknown Alkane						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.1	14355	95	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.1	14358	93	C10H14	134
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NIST02.1	14354	93	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST02.1	14374	93	C10H14	134



Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43946.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.7
Bromomethane	ND	4.7
Vinyl Chloride	ND	4.7
Chloroethane	ND	4.7
Methylene Chloride	ND	2.8
Acetone	ND	4.7
Carbon Disulfide	ND	4.7
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
1,2-Dichloroethane	ND	1.9
2-Butanone	ND	4.7
1,1,1-Trichloroethane	ND	4.7
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.7
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.7
1,1,2-Trichloroethane	ND	2.8
Benzene	0.8J	0.9
trans-1,3-Dichloropropene	ND	4.7
Bromoform	ND	3.7
4-Methyl-2-Pentanone	ND	4.7
2-Hexanone	ND	4.7
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	ND	4.7
Chlorobenzene	ND	4.7
Ethylbenzene	ND	3.7
Styrene	ND	4.7
Xylene (Total)	1.2J	4.7

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43946.d

Matrix: SOIL
Level: LOW
Sample Weight: 6.2 g
Purge Volume: 5.0 ml
% Moisture: 14.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43946.d
Report Date: 10-Oct-2006 14:04

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43946.d
Lab Smp Id: 775295 Client Smp ID: B106-SS02
Inj Date : 07-OCT-2006 00:42
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : 775295;;;6.22;5
Misc Info : X924;0942;;EM
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/8260L_05.m
Meth Date : 06-Oct-2006 17:04 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.22000	Weight of sample extracted (g)
M	14.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	16 1,2-Dichloroethane-d4 (SUR)	65	8.147	8.128	(0.941)	451211	60.2136	56
	28 Benzene	78	8.264	8.246	(0.954)	20974	0.87851	0.82(a)
*	69 Fluorobenzene	96	8.659	8.627	(1.000)	1712174	50.0000	
$	37 Toluene-d8 (SUR)	98	10.708	10.694	(0.866)	1436560	52.1784	49
*	32 Chlorobenzene-d5	117	12.363	12.352	(1.000)	1353375	50.0000	
	43 m+p-Xylene	106	12.612	12.602	(1.020)	10714	0.80343	0.75(a)
	44 o-Xylene	106	13.081	13.042	(1.058)	6510	0.52609	0.49(a)
$	41 Bromofluorobenzene (SUR)	174	13.638	13.629	(0.912)	660074	52.4328	49
*	91 1,4-Dichlorobenzene-d4	152	14.958	14.952	(1.000)	751158	50.0000	
M	45 Xylene (Total)	100				17224	1.32339	1.2(a)

QC Flag Legend

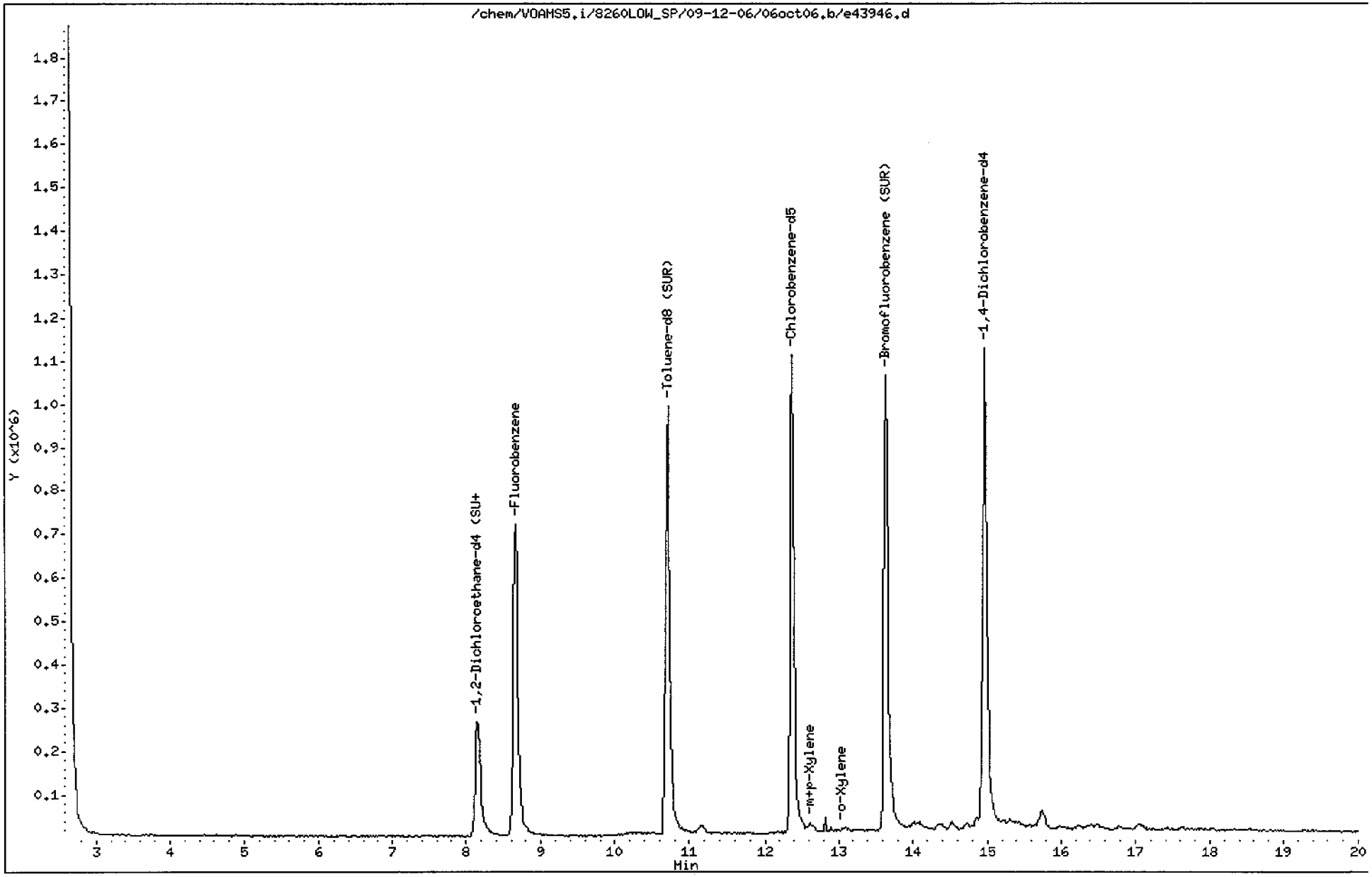
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43946.d
Date : 07-OCT-2006 00:42
Client ID: B106-SS02
Sample Info: 775295;;;6.22;5

Column phase: DB624

Instrument: VOAMS5.i

Operator: VOAMS 9
Column diameter: 0.53



271

STL Edison

X924

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43946.d

Date : 07-OCT-2006 00:42

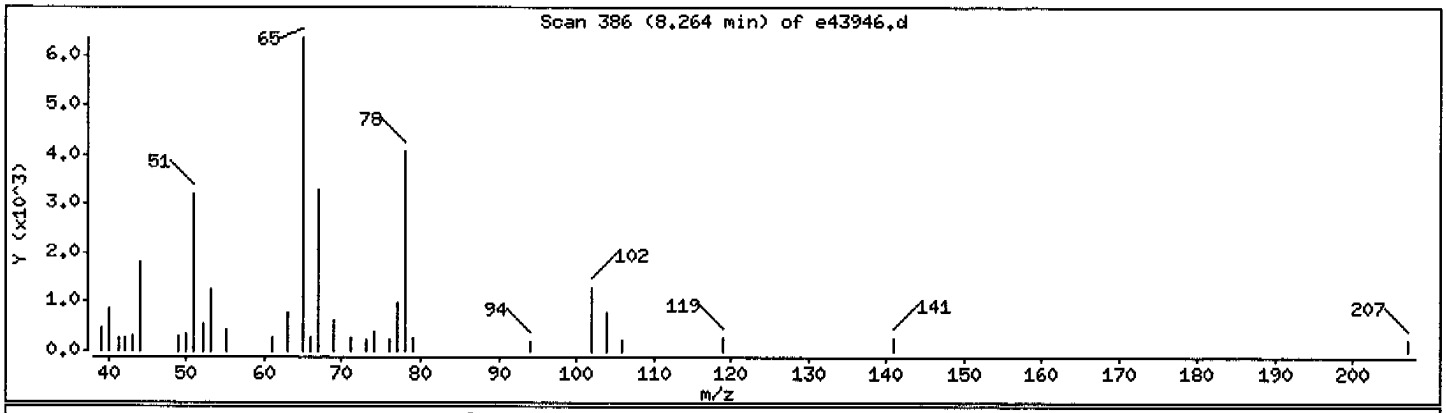
Client ID: B106-SS02 Instrument: VOAMS5.i

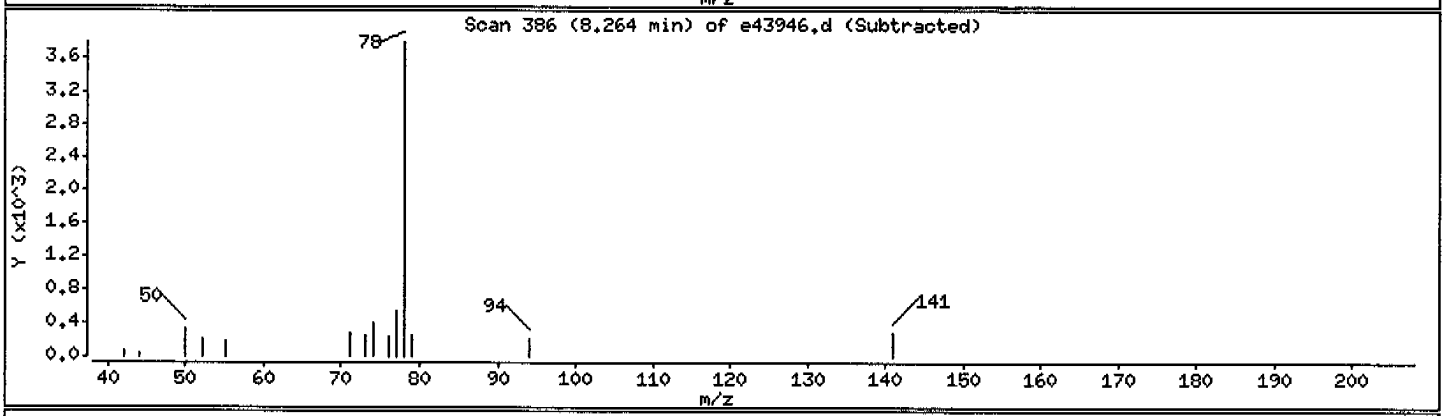
Sample Info: 775295;;;6.22;5

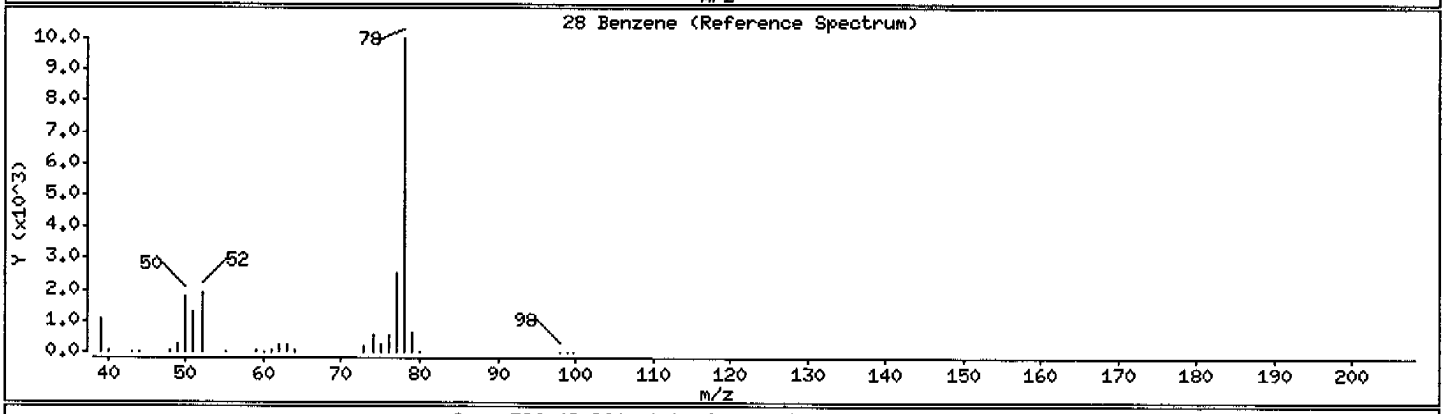
Operator: VOAMS 9

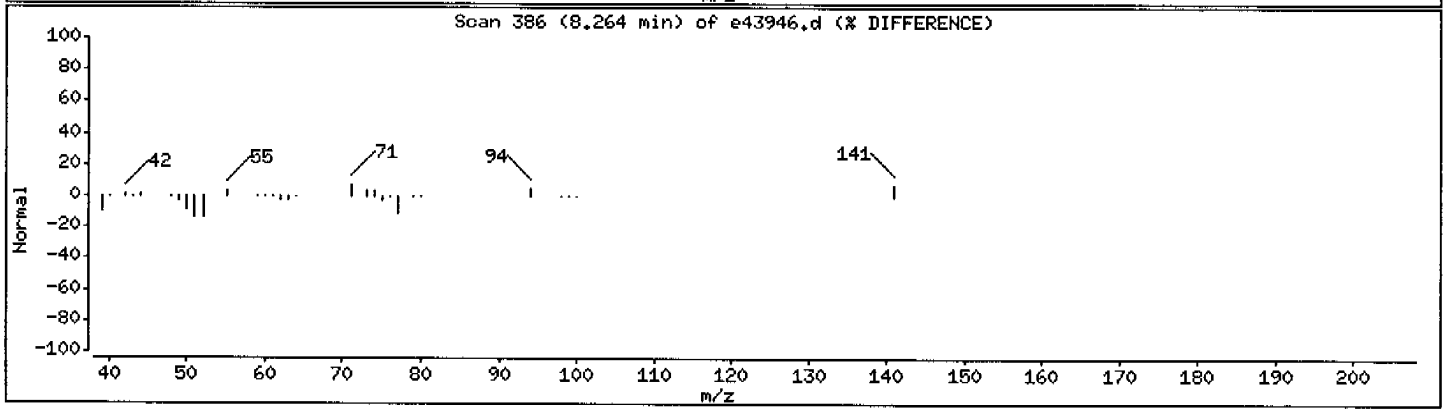
Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 0.82 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43946.d

Date : 07-OCT-2006 00:42

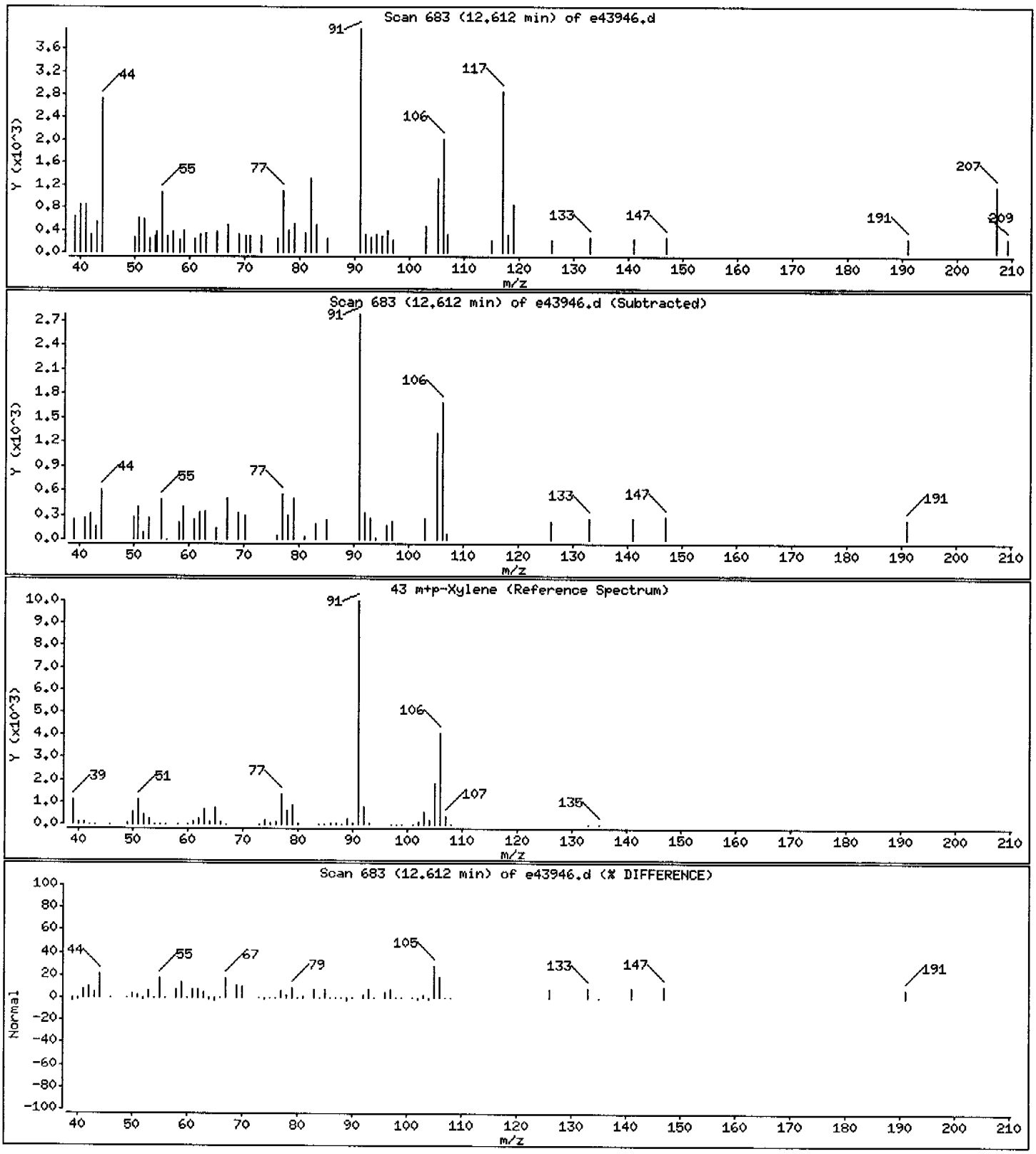
Client ID: B106-SS02 Instrument: VOAMS5.i

Sample Info: 775295;;;6.22;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

43 m+p-Xylene Concentration: 0.75 ug/Kg



Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43946.d

Date : 07-OCT-2006 00:42

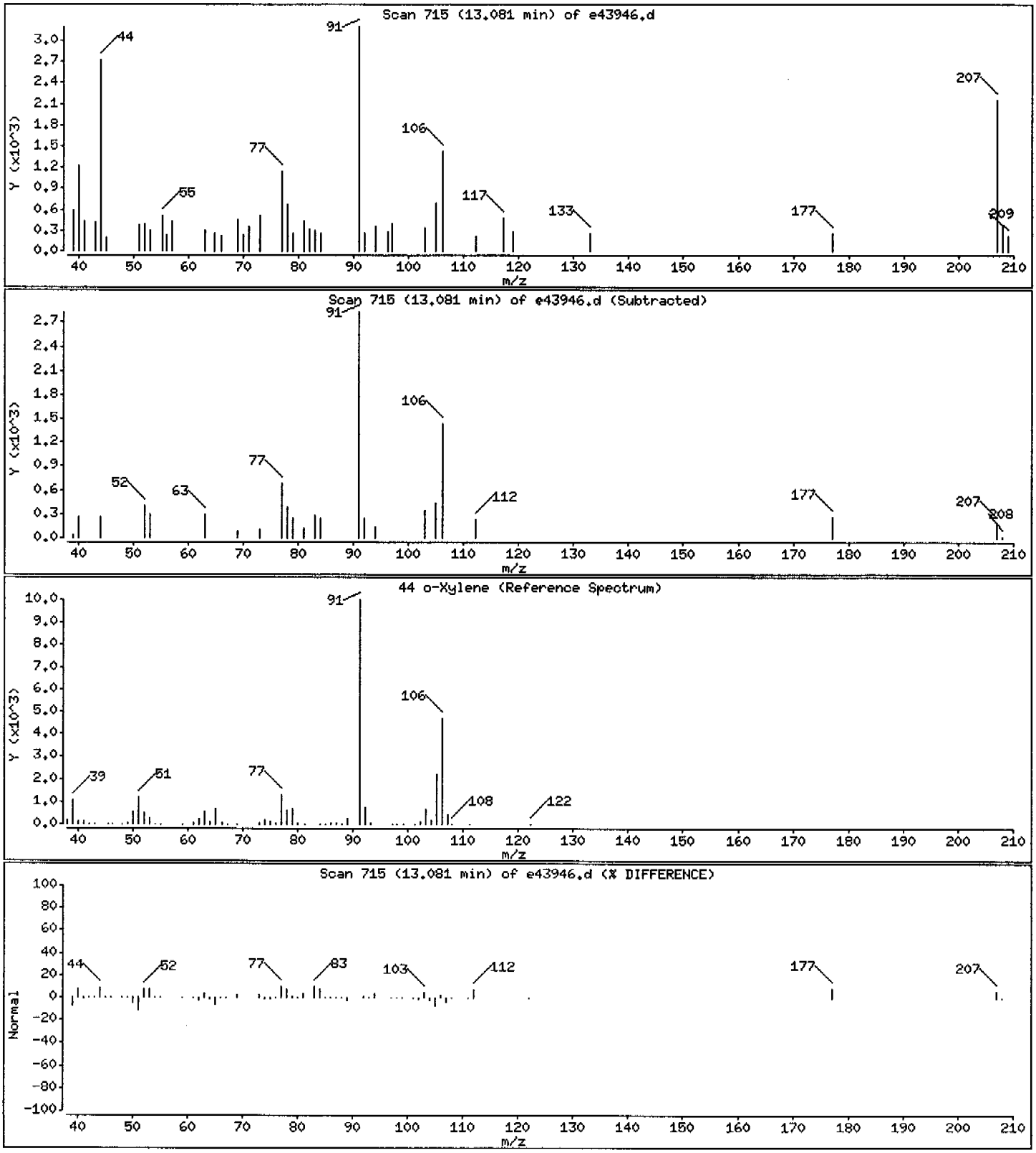
Client ID: B106-SS02 Instrument: VOAMS5.i

Sample Info: 775295;;;6.22;5

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

44 o-Xylene Concentration: 0.49 ug/Kg



Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: E43406

BFB Injection Date: 09/12/06

Instrument ID: VOAMS5

BFB Injection Time: 1838

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.1
75	30.0 - 60.0% of mass 95	42.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	63.1
175	5.0 - 9.0% of mass 174	4.7 (7.5)1
176	95.0 - 101.0% of mass 174	61.6 (97.7)1
177	5.0 - 9.0% of mass 176	4.4 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ESTD005	ESTD005	E43410	09/12/06	2113
02	ESTD020	ESTD020	E43411	09/12/06	2139
03	ESTD050	ESTD050	E43412	09/12/06	2205
04	ESTD100	ESTD100	E43413	09/12/06	2231
05	ESTD200	ESTD200	E43414	09/12/06	2258
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/12sep06.b/e43406.d

Date : 12-SEP-2006 18:38

Client ID:

Instrument: VOAMS5.i

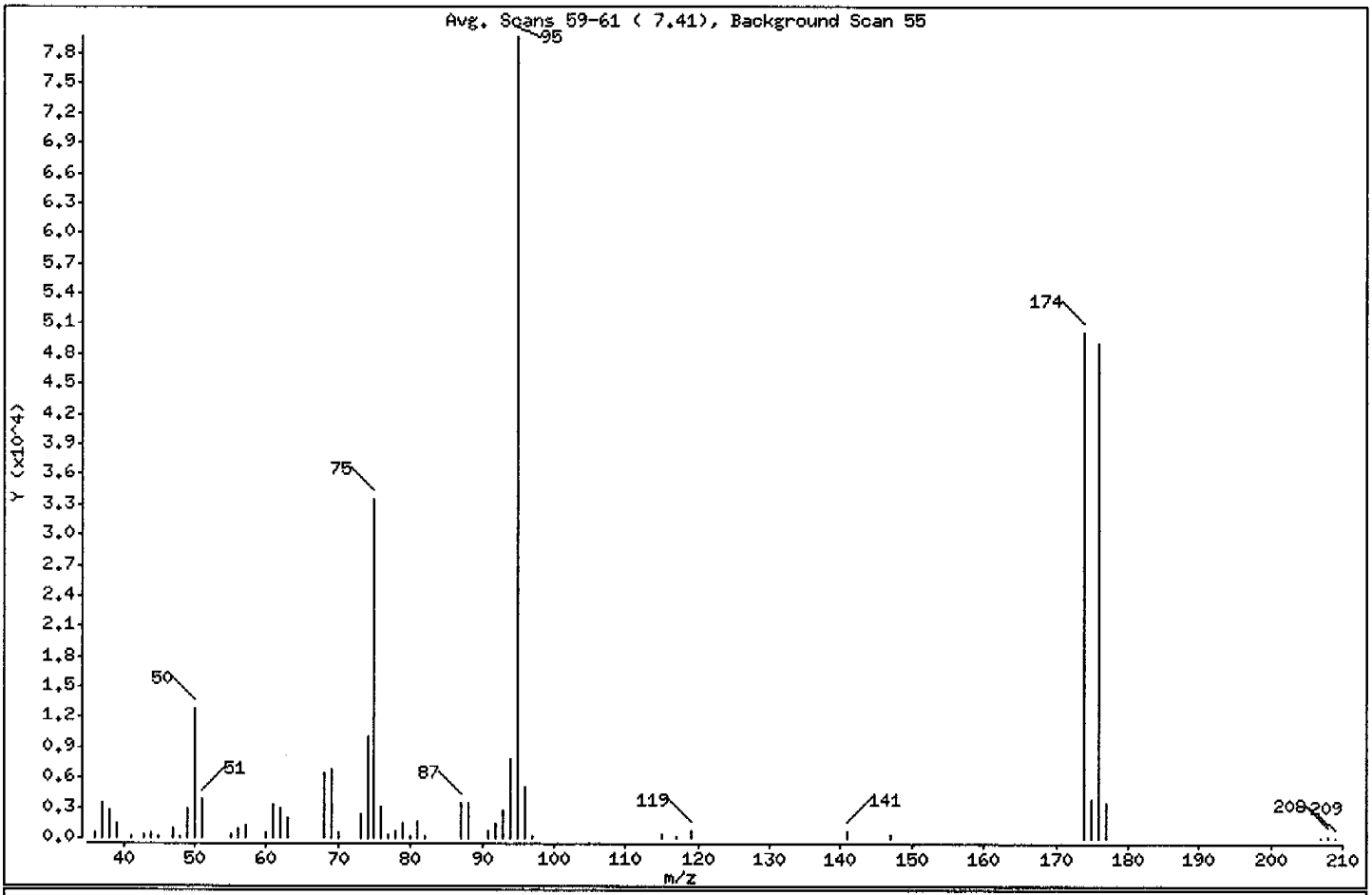
Sample Info: EBFB255

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.08
75	30.00 - 60.00% of mass 95	42.10
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	63.06
175	5.00 - 9.00% of mass 174	4.73 (7.50)
176	95.00 - 101.00% of mass 174	61.62 (97.71)
177	5.00 - 9.00% of mass 176	4.37 (7.10)

Date : 12-SEP-2006 18:38

Client ID: Instrument: VOAMS5.i

Sample Info: EBFB255

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

Data File: e43406.d
Spectrum: Avg. Scans 59-61 (7.41), Background Scan 55
Location of Maximum: 95.00
Number of points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	476	56.00	898	78.00	688	115.00	348
37.00	3553	57.00	1339	79.00	1457	117.00	170
38.00	2831	60.00	624	80.00	170	119.00	645
39.00	1514	61.00	3269	81.00	1673	141.00	720
41.00	185	62.00	2915	82.00	167	147.00	402
43.00	383	63.00	2004	87.00	3535	174.00	50224
44.00	632	68.00	6456	88.00	3398	175.00	3767
45.00	207	69.00	6745	91.00	649	176.00	49072
47.00	1006	70.00	578	92.00	1506	177.00	3483
48.00	167	73.00	2416	93.00	2717	207.00	32
49.00	2901	74.00	10026	94.00	7862	208.00	97
50.00	12807	75.00	33528	95.00	79640	209.00	69
51.00	3934	76.00	3051	96.00	5112		
55.00	439	77.00	370	97.00	188		

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/12sep06.b/e43406.d

Date : 12-SEP-2006 18:38

Client ID:

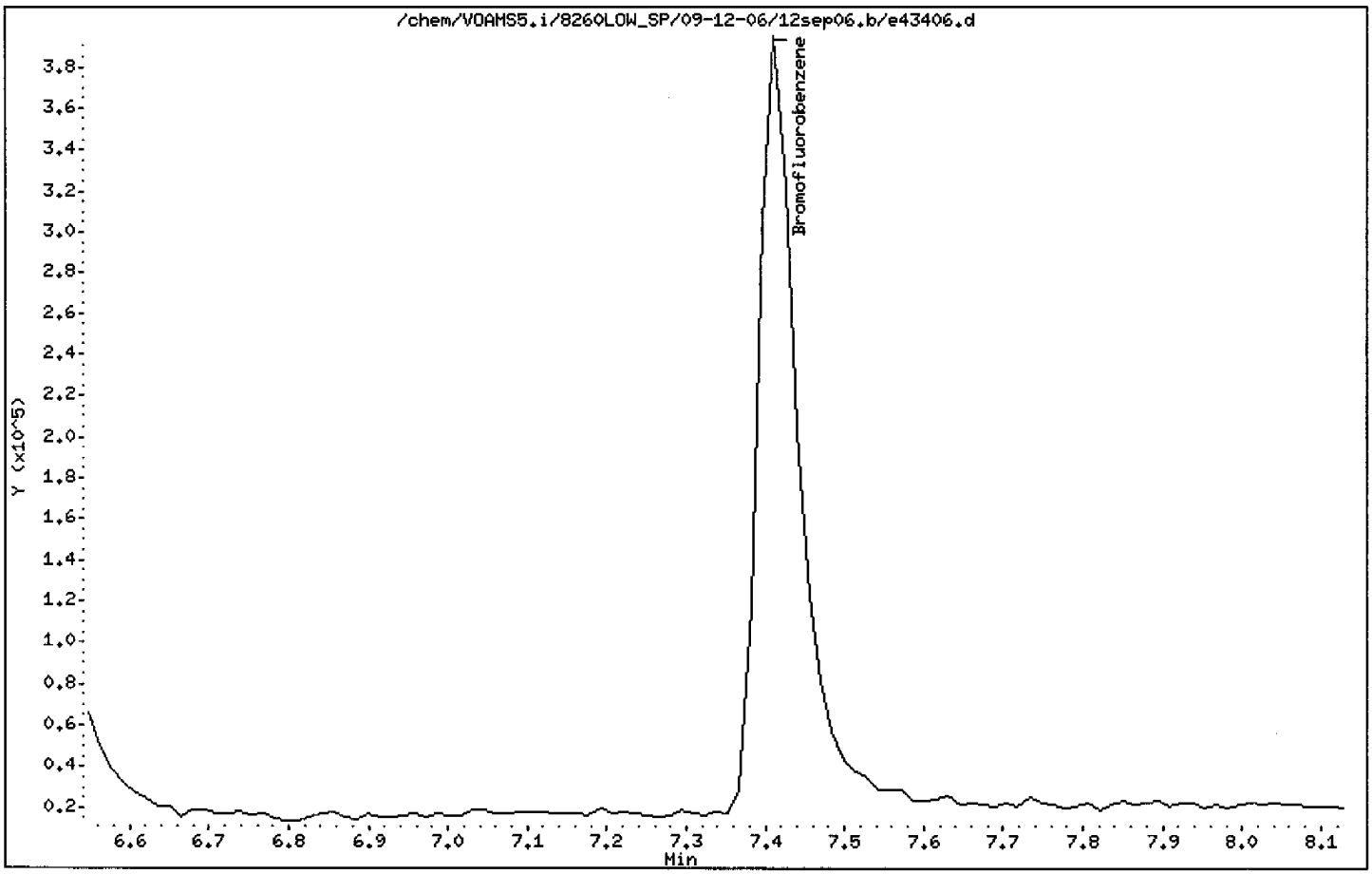
Instrument: VOAMS5.i

Sample Info: EBFB255

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: E43902

BFB Injection Date: 10/05/06

Instrument ID: VOAMS5

BFB Injection Time: 1603

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.6
75	30.0 - 60.0% of mass 95	42.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	4.7 (7.2)1
176	95.0 - 101.0% of mass 174	62.6 (96.0)1
177	5.0 - 9.0% of mass 176	4.9 (7.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ESTD278	ESTD278	E43903	10/05/06	1628
02	EV278	EV278	E43906	10/05/06	1811
03	B1407-SS01	775272	E43917	10/06/06	0010
04	B105-SS01	775275	E43919	10/06/06	0102
05	B105-SS02	775276	E43920	10/06/06	0128
06	B106-SS01	775294	E43922	10/06/06	0220
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43902.d

Date : 05-OCT-2006 16:03

Client ID:

Instrument: VOAMS5.i

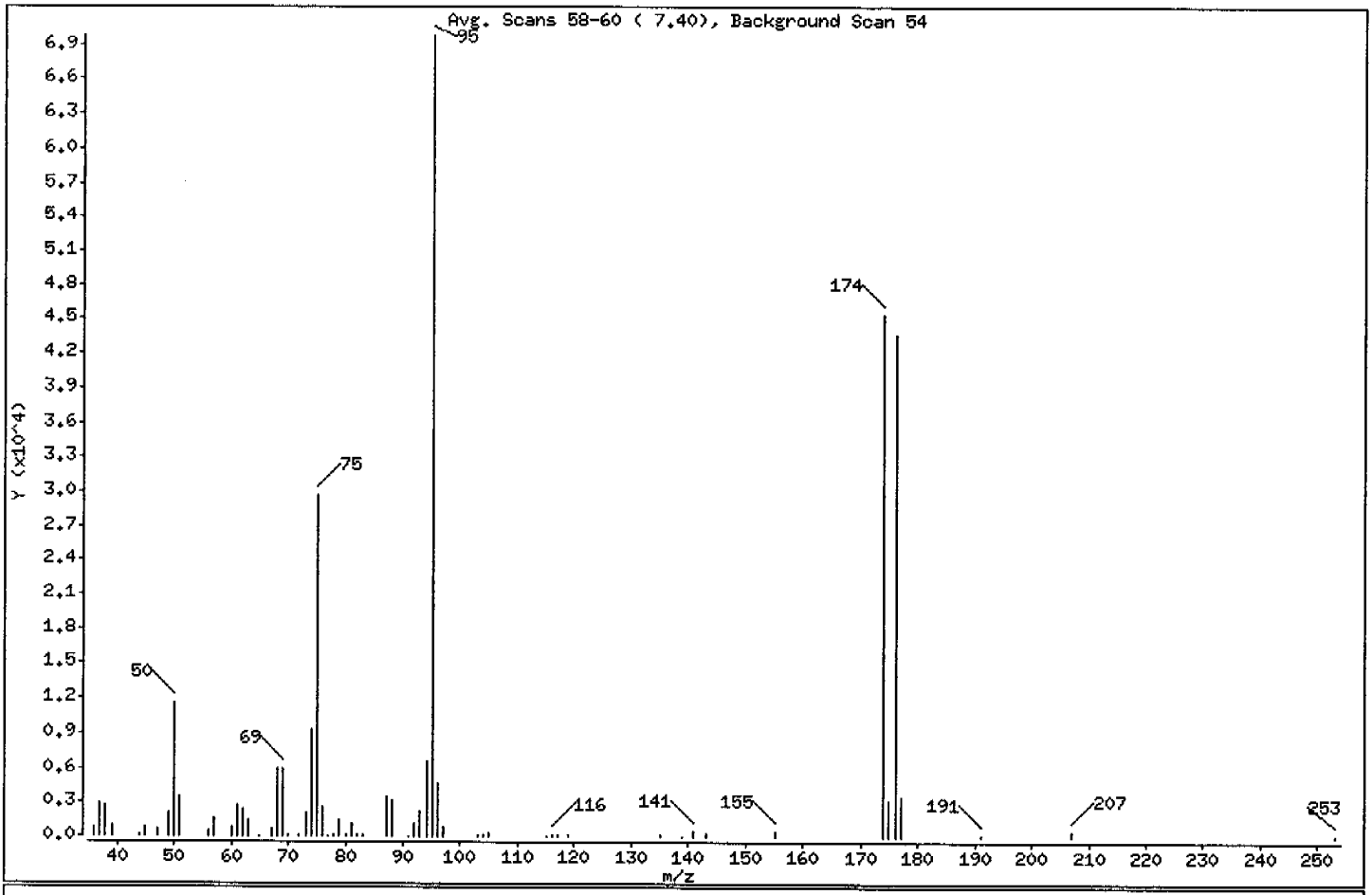
Sample Info: EBFB278

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.59
75	30.00 - 60.00% of mass 95	42.42
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	65.17
175	5.00 - 9.00% of mass 174	4.71 (7.22)
176	95.00 - 101.00% of mass 174	62.59 (96.04)
177	5.00 - 9.00% of mass 176	4.94 (7.90)

Date : 05-OCT-2006 16:03

Client ID: Instrument: VOAMS5.i

Sample Info: EBFB278

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

Data File: e43902.d
Spectrum: Avg. Scans 58-60 (7.40), Background Scan 54
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	791	65.00	15	83.00	234	119.00	140
37.00	2896	67.00	611	87.00	3453	135.00	188
38.00	2675	68.00	5859	88.00	3193	139.00	19
39.00	905	69.00	5909	91.00	76	141.00	480
44.00	197	70.00	161	92.00	1139	143.00	363
45.00	866	72.00	175	93.00	2214	155.00	468
47.00	632	73.00	2073	94.00	6558	174.00	45464
49.00	2107	74.00	9353	95.00	69760	175.00	3284
50.00	11572	75.00	29592	96.00	4677	176.00	43664
51.00	3571	76.00	2553	97.00	843	177.00	3448
56.00	451	77.00	18	103.00	214	191.00	213
57.00	1528	78.00	114	104.00	186	207.00	412
60.00	735	79.00	1383	105.00	385	253.00	176
61.00	2744	80.00	184	115.00	12		
62.00	2378	81.00	1086	116.00	186		
63.00	1458	82.00	178	117.00	171		

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43902.d

Date : 05-OCT-2006 16:03

Client ID:

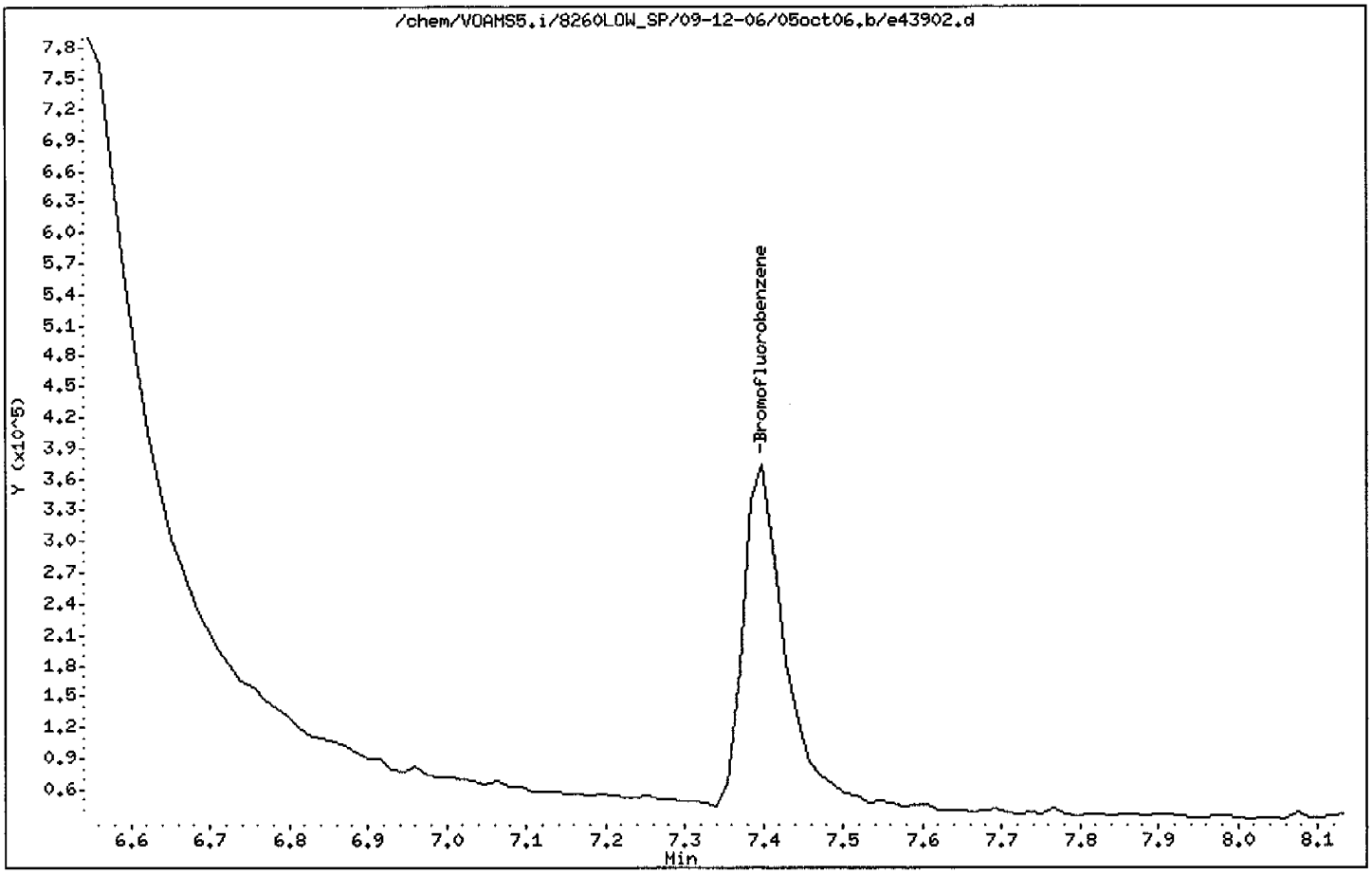
Instrument: VOAMS5.i

Sample Info: EBFB278

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: E43928

BFB Injection Date: 10/06/06

Instrument ID: VOAMS5

BFB Injection Time: 1629

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	43.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	62.0
175	5.0 - 9.0% of mass 174	4.8 (7.8)1
176	95.0 - 101.0% of mass 174	60.2 (97.1)1
177	5.0 - 9.0% of mass 176	4.5 (7.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ESTD279	ESTD279	E43929	10/06/06	1657
02	EV279	EV279	E43932	10/06/06	1816
03	B1407-SS02	775273	E43942	10/06/06	2257
04	B106-SS02	775295	E43946	10/07/06	0042
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43928.d

Date : 06-OCT-2006 16:29

Client ID:

Instrument: VOAMS5.i

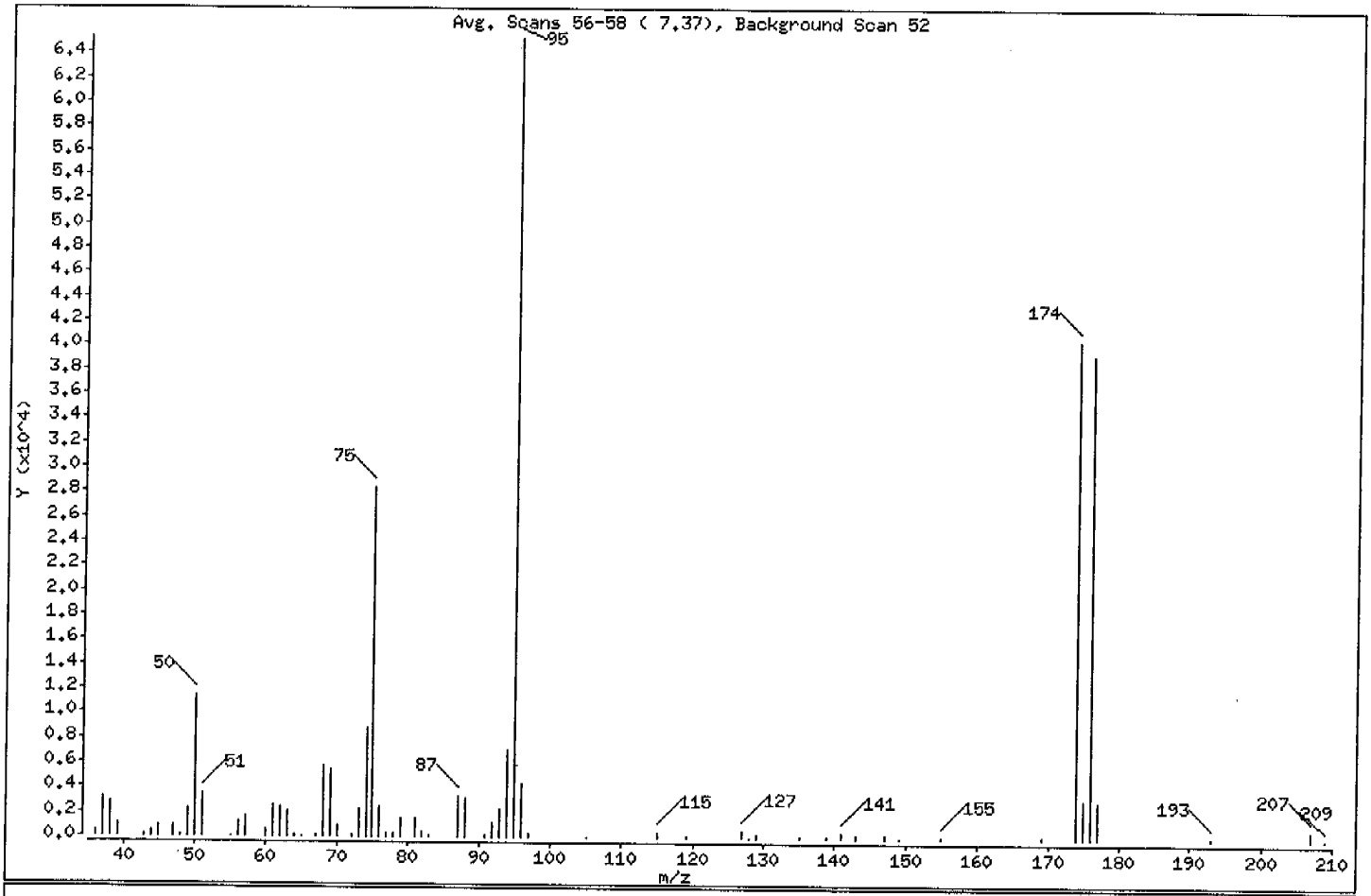
Sample Info: EBFB279

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.43
75	30.00 - 60.00% of mass 95	43.33
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.98
175	5.00 - 9.00% of mass 174	4.82 (7.77)
176	95.00 - 101.00% of mass 174	60.16 (97.07)
177	5.00 - 9.00% of mass 176	4.52 (7.52)

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43928.d

Date : 06-OCT-2006 16:29

Client ID:

Instrument: VOAMS5.i

Sample Info: EBFB279

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: e43928.d

Spectrum: Avg. Scans 56-58 (7.37), Background Scan 52

Location of Maximum: 95.00

Number of points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	490	62.00	2470	82.00	420	135.00	198
37.00	3127	63.00	2107	83.00	172	139.00	199
38.00	2790	64.00	116	87.00	3251	141.00	480
39.00	1002	65.00	11	88.00	3149	143.00	234
43.00	172	67.00	171	91.00	214	147.00	225
44.00	461	68.00	5719	92.00	1209	149.00	67
45.00	887	69.00	5404	93.00	2221	155.00	208
47.00	829	70.00	886	94.00	7102	169.00	170
48.00	190	72.00	180	95.00	65224	174.00	40424
49.00	2198	73.00	2193	96.00	4361	175.00	3142
50.00	11366	74.00	8683	97.00	369	176.00	39240
51.00	3419	75.00	28264	105.00	35	177.00	2951
55.00	71	76.00	2386	115.00	465	193.00	188
56.00	1217	77.00	321	119.00	200	207.00	721
57.00	1576	78.00	283	127.00	607	209.00	68
60.00	577	79.00	1433	128.00	9		
61.00	2535	81.00	1454	129.00	354		

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43928.d

Date : 06-OCT-2006 16:29

Client ID:

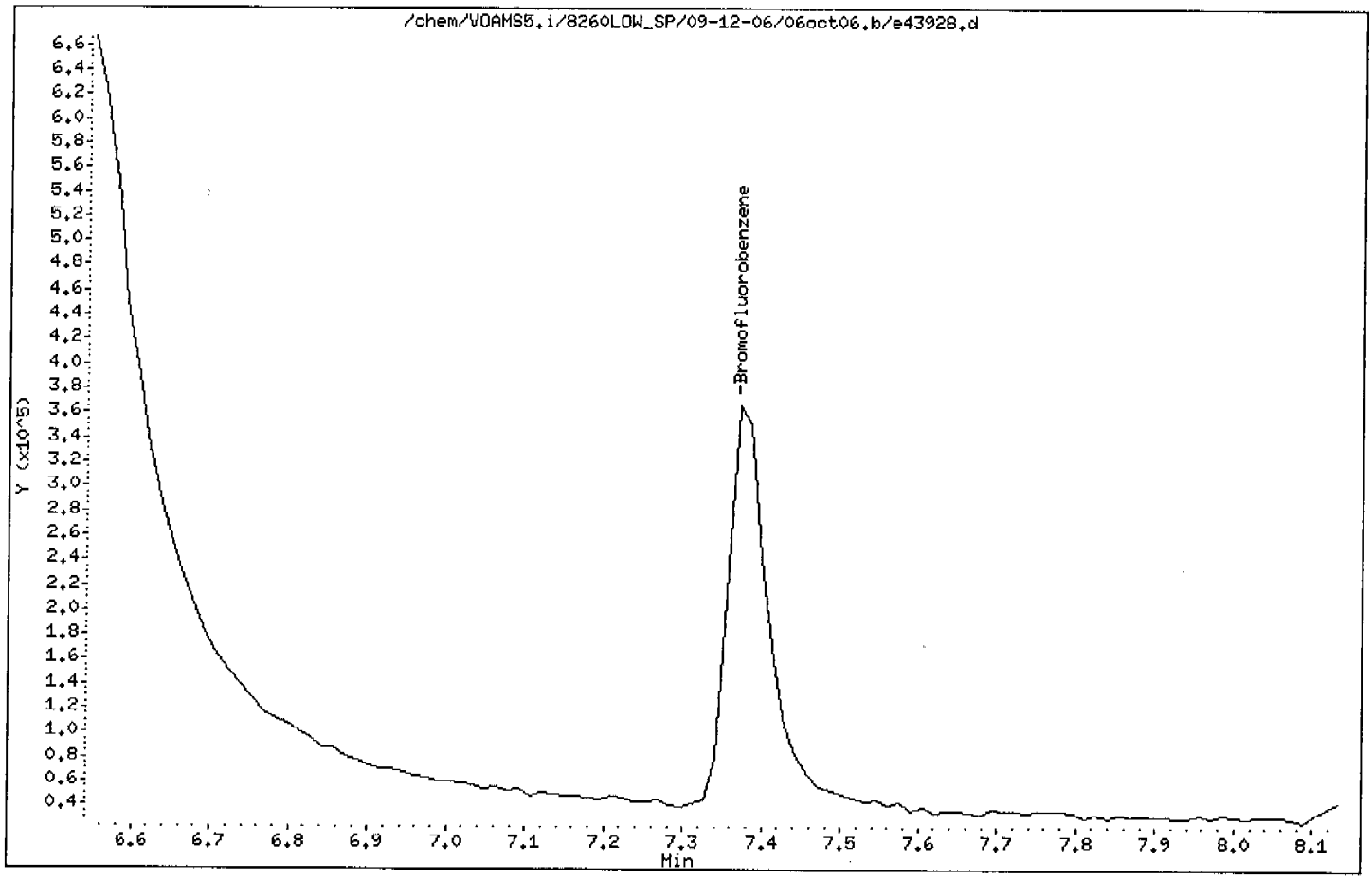
Instrument: VOAMS5.i

Sample Info: EBFB279

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

EV278

Matrix: SOIL

Level: LOW

Lab File ID: E43906

Instrument ID: VOAMS5

Date Analyzed: 10/05/06

Time Analyzed: 1811

Heated Purge (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B1407-SS01	775272	E43917	0010
02	B105-SS01	775275	E43919	0102
03	B105-SS02	775276	E43920	0128
04	B106-SS01	775294	E43922	0220
05				
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30				

COMMENTS:

Client ID: **EV278**
Site:

Lab Sample No: **EV278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/05/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43906.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	3.2J	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **EV278**
Site:

Lab Sample No: **EV278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/05/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43906.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
1,1-Dichloropropene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0

Client ID: **EV278**
Site:

Lab Sample No: **EV278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/05/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43906.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Ethanol	ND	500
Methyl cyclohexane	ND	5.0
p-Ethyltoluene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **EV278**
Site:

Lab Sample No: **EV278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/05/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43906.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0
Isobutyl Acetate	ND	5.0
Chlorodifluoromethane	ND	5.0
Cyclohexanone	ND	100
2-Nitropropane	ND	10
2-Methylnaphthalene	ND	5.0
tert-Amylmethyl Ether	ND	5.0
2-Heptanone	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
2-Chloropropene	ND	5.0

Client ID: **EV278**
Site:

Lab Sample No: **EV278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/05/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43906.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43906.d
Report Date: 10-Oct-2006 20:55

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43906.d
Lab Smp Id: EV278 Client Smp ID: EV278
Inj Date : 05-OCT-2006 18:11
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : EV278
Misc Info :
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/8260L_05.m
Meth Date : 05-Oct-2006 22:42 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7 Acetone	43	4.929	4.876	(0.567)	3954	3.18750	3.2(aH)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	8.176	8.158	(0.941)	401385	56.0928	56
* 69 Fluorobenzene	96	8.688	8.657	(1.000)	1634997	50.0000	
$ 37 Toluene-d8 (SUR)	98	10.736	10.709	(0.867)	1383066	54.1069	54
* 32 Chlorobenzene-d5	117	12.389	12.371	(1.000)	1256538	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.591	13.655	(0.921)	582166	53.9793	54
* 91 1,4-Dichlorobenzene-d4	152	14.764	14.971	(1.000)	643520	50.0000	

QC Flag Legend

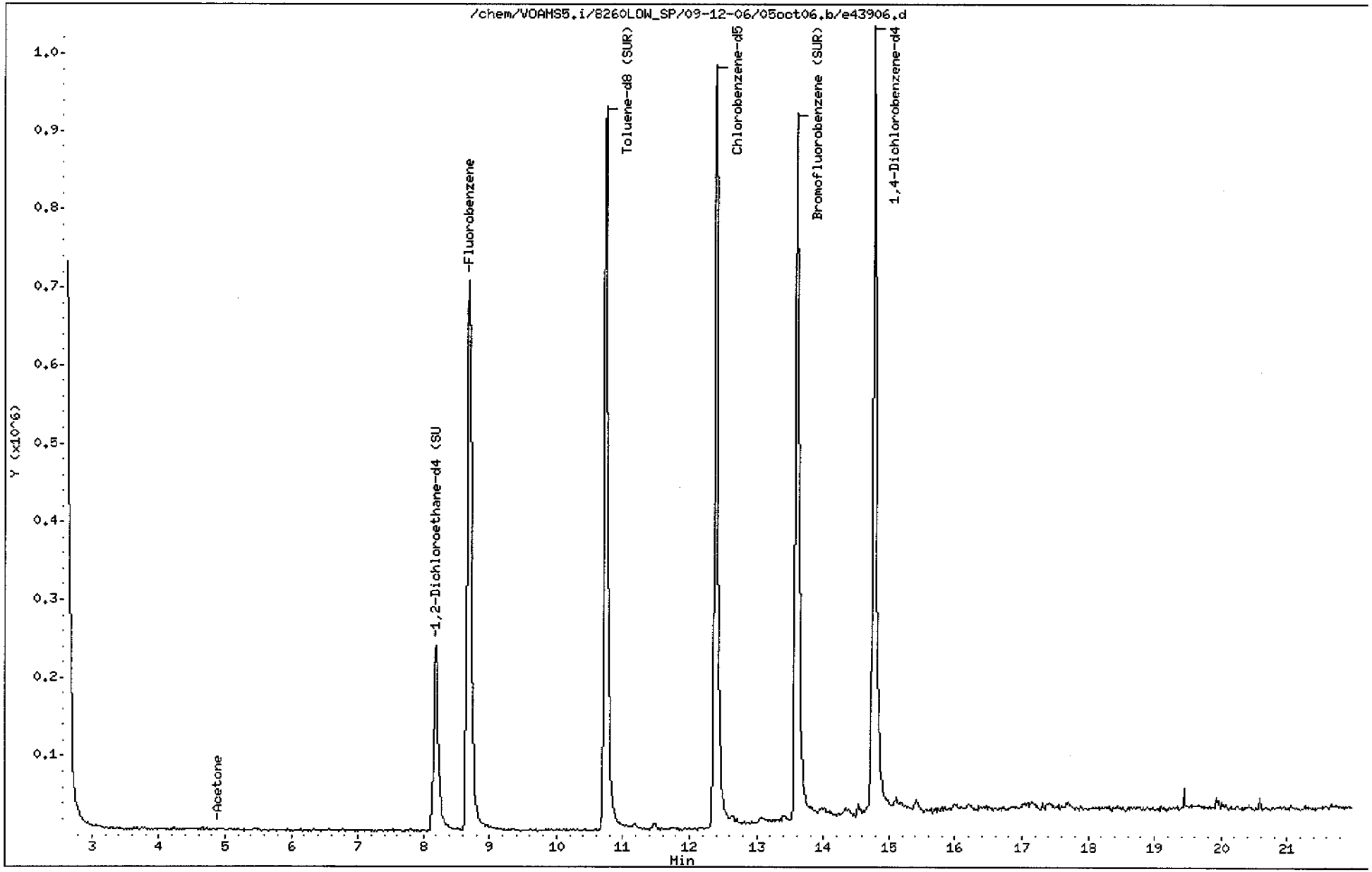
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43906.d
Date : 05-OCT-2006 18:11
Client ID: EV278
Sample Info: EV278

Instrument: VOAMS5.i

Operator: VOAMS 9
Column diameter: 0.53

Column phase: DB624



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STL Edison
X924

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/05oct06.b/e43906.d

Date : 05-OCT-2006 18:11

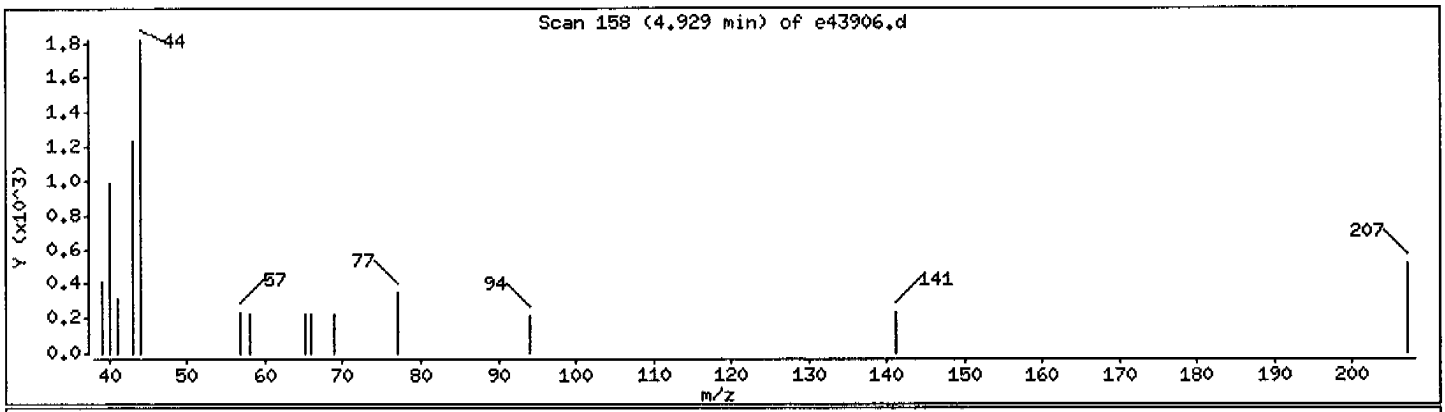
Client ID: EV278 Instrument: VOAMS5.i

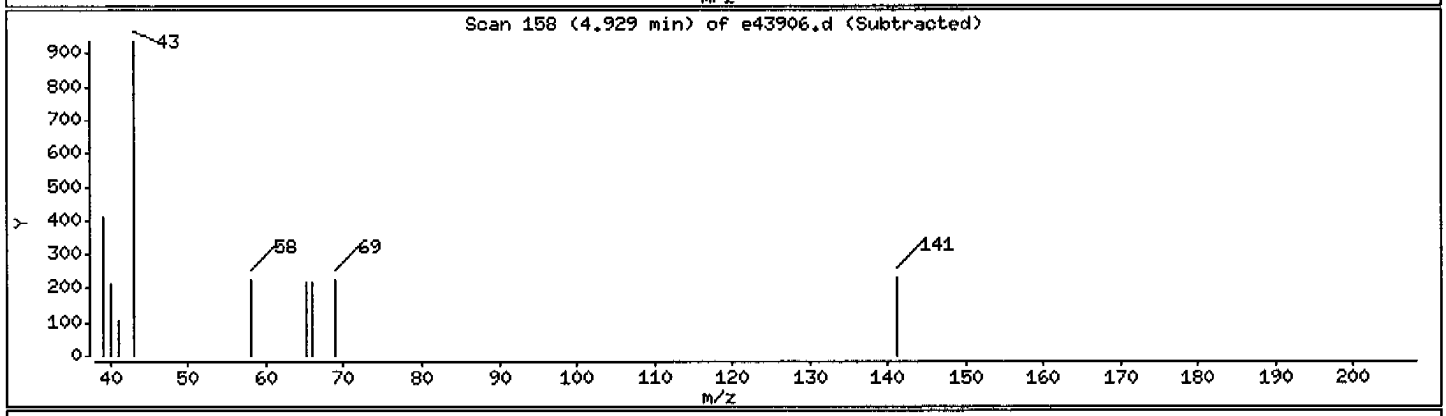
Sample Info: EV278

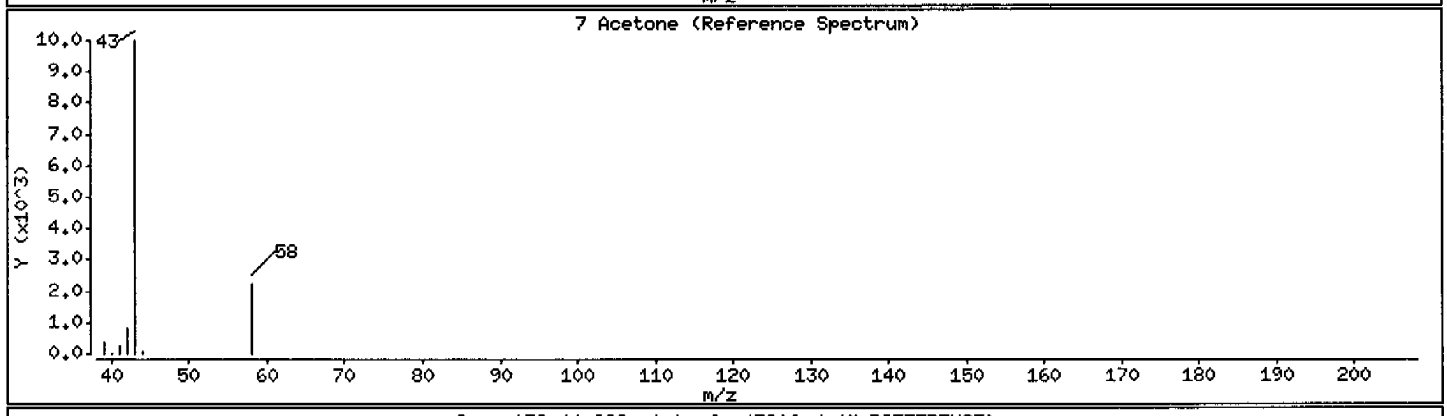
Operator: VOAMS 9

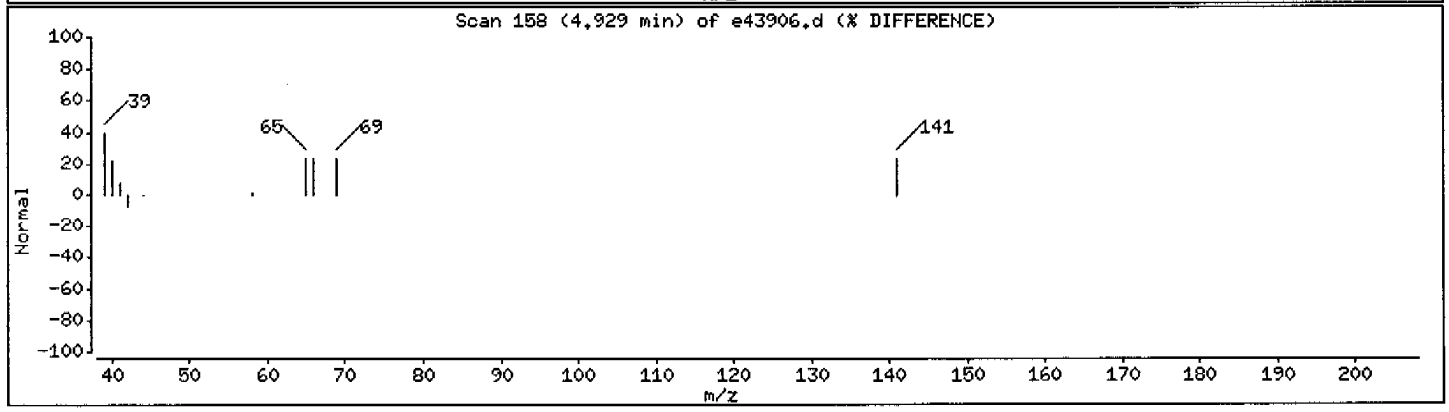
Column phase: DB624 Column diameter: 0.53

7 Acetone Concentration: 3.2 ug/Kg









VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

EV279

Matrix: SOIL

Level: LOW

Lab File ID: E43932

Instrument ID: VOAMS5

Date Analyzed: 10/06/06

Time Analyzed: 1816

Heated Purge (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B1407-SS02	775273	E43942	2257
02	B106-SS02	775295	E43946	0042
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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19				
20				
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22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **EV279**
Site:

Lab Sample No: **EV279**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43932.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	4.7J	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **EV279**
Site:

Lab Sample No: **EV279**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43932.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
1,1-Dichloropropene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0

Client ID: **EV279**
Site:

Lab Sample No: **EV279**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43932.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Ethanol	ND	500
Methyl cyclohexane	ND	5.0
p-Ethyltoluene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **EV279**
Site:

Lab Sample No: **EV279**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43932.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0
Isobutyl Acetate	ND	5.0
Chlorodifluoromethane	ND	5.0
Cyclohexanone	ND	100
2-Nitropropane	ND	10
2-Methylnaphthalene	ND	5.0
tert-Amylmethyl Ether	ND	5.0
2-Heptanone	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
2-Chloropropene	ND	5.0

Client ID: **EV279**
Site:

Lab Sample No: **EV279**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/06/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e43932.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	15.40	6.6	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	6.6

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43932.d
Report Date: 10-Oct-2006 14:04

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43932.d
Lab Smp Id: EV279 Client Smp ID: EV279
Inj Date : 06-OCT-2006 18:16
Operator : VOAMS 9 Inst ID: VOAMS5.i
Smp Info : EV279
Misc Info :
Comment :
Method : /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/8260L_05.m
Meth Date : 06-Oct-2006 17:04 eddie Quant Type: ISTD
Cal Date : 12-SEP-2006 22:58 Cal File: e43414.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	4.900	4.861	(0.566)	5561	4.72280	4.7(aH)
$	16 1,2-Dichloroethane-d4 (SUR)	65	8.161	8.128	(0.943)	382152	56.2683	56
*	69 Fluorobenzene	96	8.659	8.627	(1.000)	1551797	50.0000	
$	37 Toluene-d8 (SUR)	98	10.707	10.694	(0.866)	1308979	53.2497	53
*	32 Chlorobenzene-d5	117	12.361	12.352	(1.000)	1208373	50.0000	
$	41 Bromofluorobenzene (SUR)	174	13.562	13.629	(0.920)	575764	54.0656	54
*	91 1,4-Dichlorobenzene-d4	152	14.736	14.952	(1.000)	635427	50.0000	

QC Flag Legend

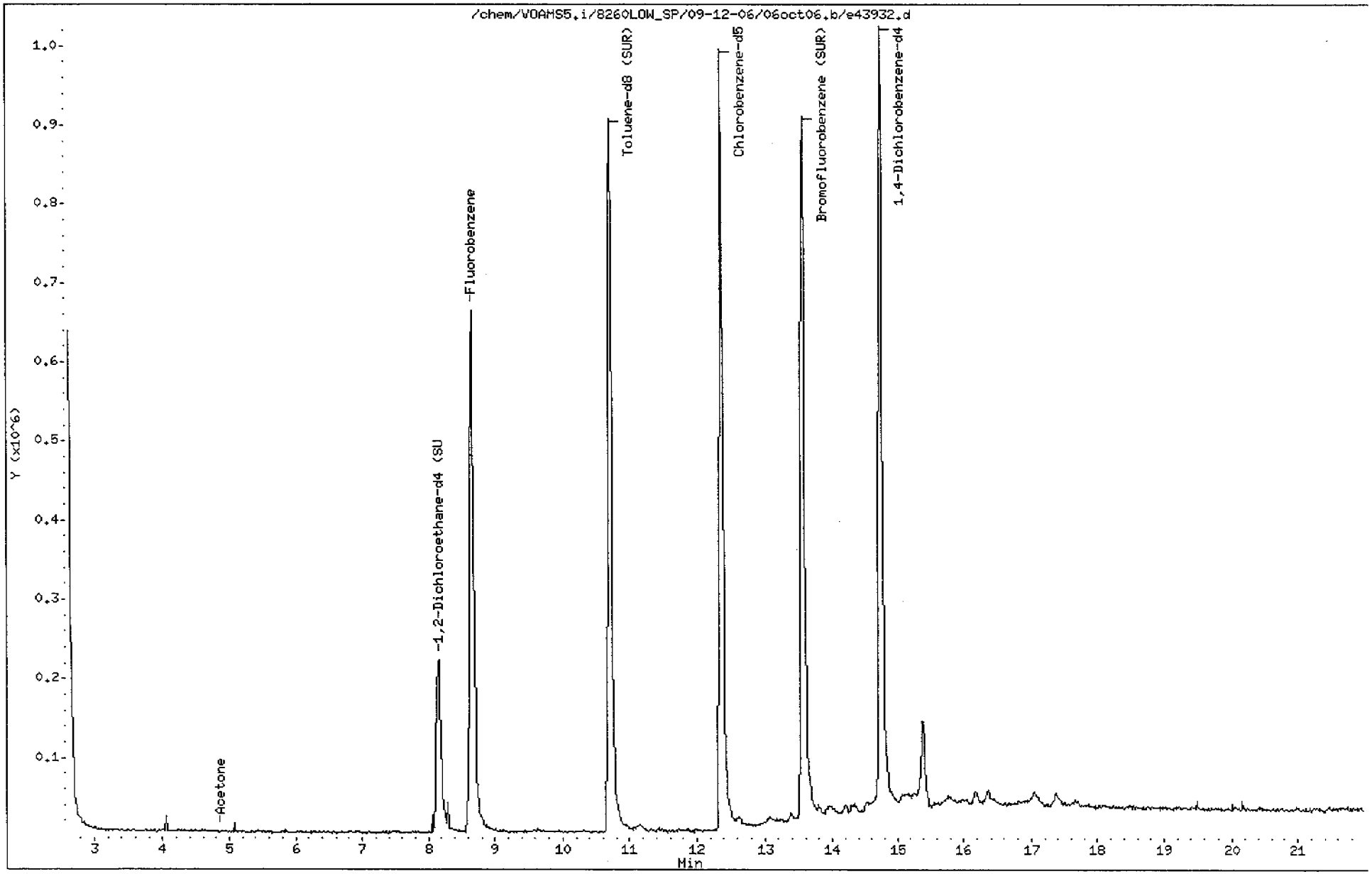
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43932.d
Date : 06-OCT-2006 18:16
Client ID: EV279
Sample Info: EV279

Instrument: VOAMS5.i

Operator: VOAMS 9
Column diameter: 0.53

Column phase: DB624



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X924

Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43932.d

Date : 06-OCT-2006 18:16

Client ID: EV279

Instrument: VOAMS5.i

Sample Info: EV279

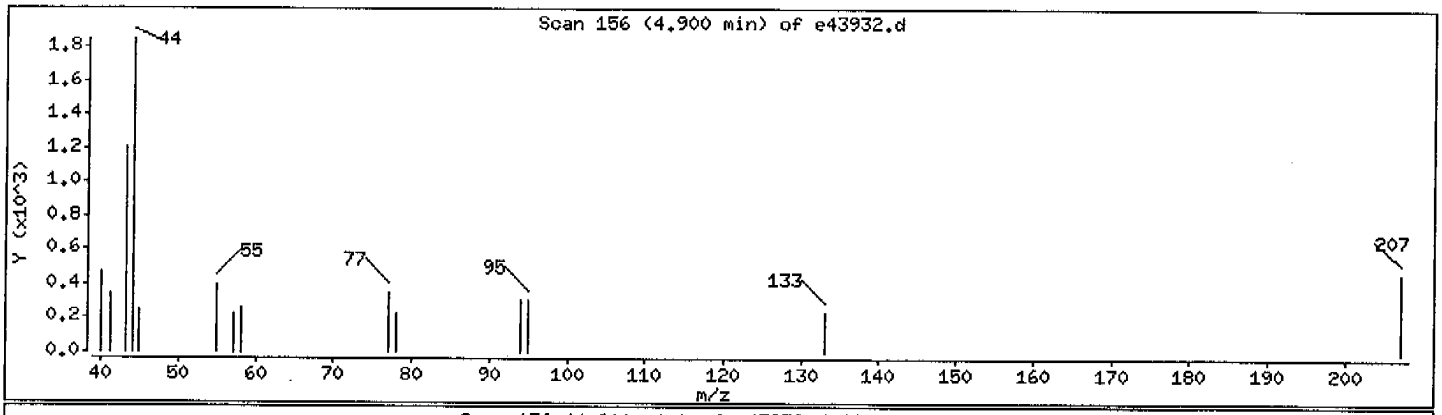
Operator: VOAMS 9

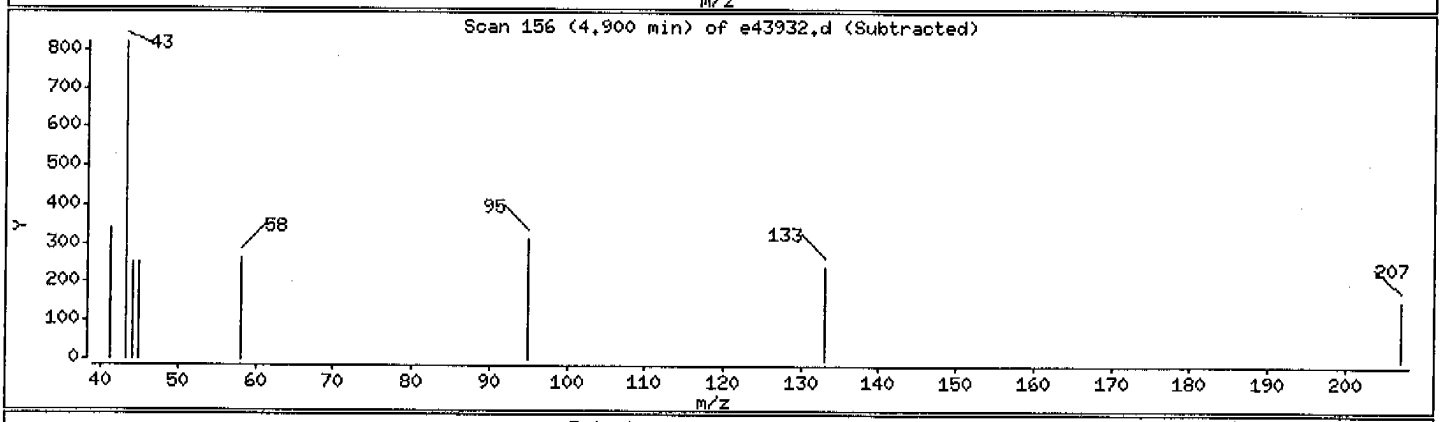
Column phase: DB624

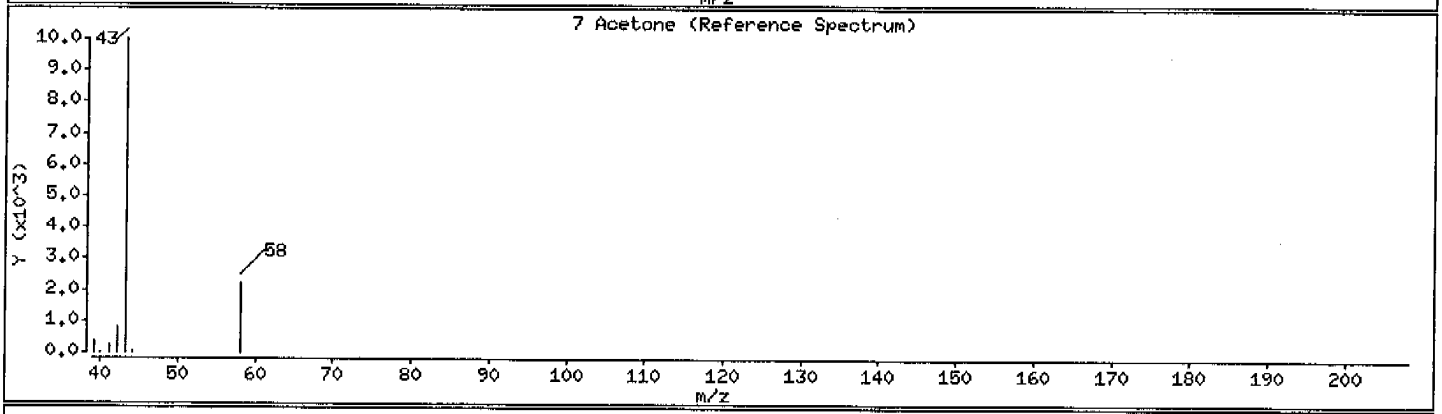
Column diameter: 0.53

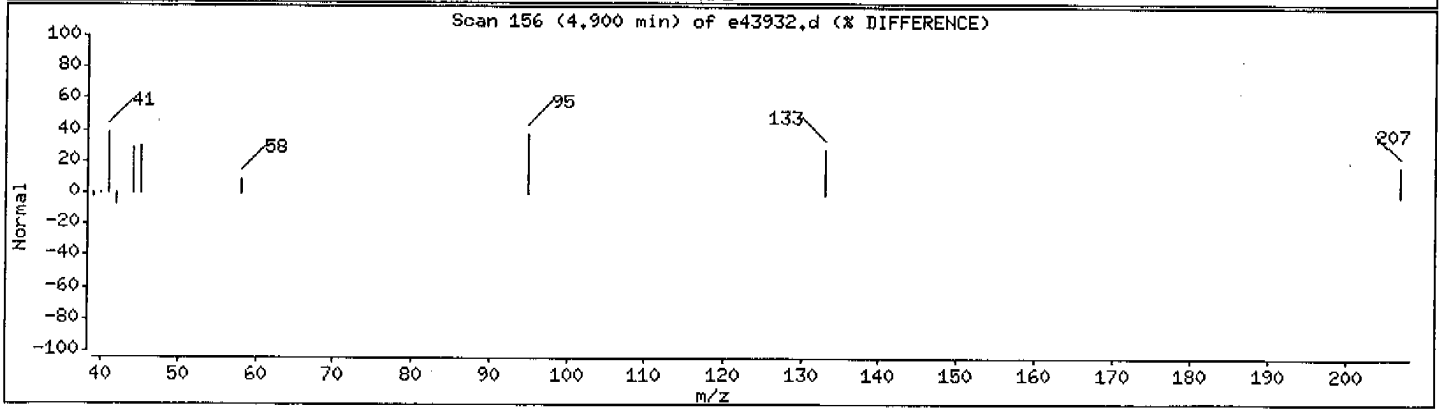
7 Acetone

Concentration: 4.7 ug/Kg









Data File: /chem/VOAMS5.i/8260LOW_SP/09-12-06/06oct06.b/e43932.d

Date : 06-OCT-2006 18:16

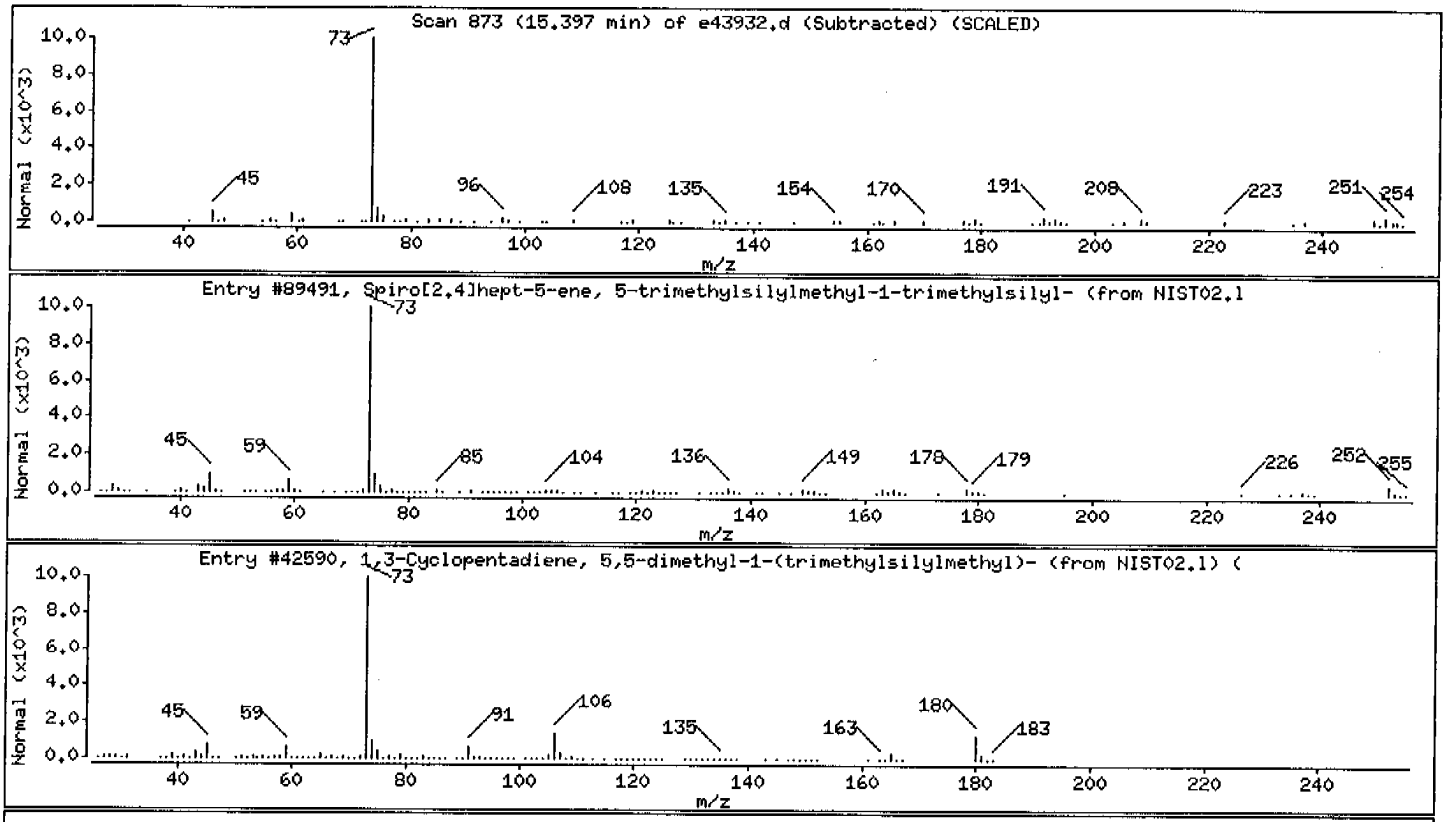
Client ID: EV279 Instrument: VOAMS5.i

Sample Info: EV279

Operator: VOAMS 9

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Siloxane						
Spiro[2.4]hept-5-ene, 5-trimethylsilylme	1000153-96-9	NIST02.l	89491	28	C14H28Si2	252
1,3-Cyclopentadiene, 5,5-dimethyl-1-(tri	1000163-65-0	NIST02.l	42590	25	C11H20Si	180



Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS5 Calibration Date(s): 09/12/06 09/12/06

Heated Purge: (Y/N) Y Calibration Time(s): 2113 2258

LAB FILE ID: RRF5: E43410 RRF20: E43411 RRF50: E43412
RRF100: E43413 RRF200: E43414

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.125	0.115	0.127	0.115	0.120
Bromomethane	0.145	0.140	0.139	0.151	0.142
Vinyl Chloride	0.132	0.142	0.151	0.142	0.142
Chloroethane	0.105	0.107	0.106	0.110	0.108
Methylene Chloride	0.190	0.186	0.200	0.208	0.205
Acetone	0.046	0.039	0.035	0.033	0.035
Carbon Disulfide	0.594	0.545	0.549	0.478	0.509
Trichlorofluoromethane	0.195	0.203	0.200	0.216	0.206
1,1-Dichloroethene	0.187	0.161	0.170	0.182	0.172
1,1-Dichloroethane	0.387	0.357	0.369	0.390	0.380
trans-1,2-Dichloroethene	0.227	0.204	0.214	0.223	0.217
cis-1,2-Dichloroethene	0.227	0.225	0.237	0.240	0.234
Chloroform	0.428	0.406	0.418	0.438	0.423
1,2-Dichloroethane	0.231	0.232	0.246	0.258	0.253
2-Butanone	0.015	0.022	0.020	0.022	0.024
1,1,1-Trichloroethane	0.339	0.327	0.336	0.348	0.339
Carbon Tetrachloride	0.322	0.316	0.323	0.334	0.324
Bromodichloromethane	0.466	0.382	0.403	0.424	0.411
1,2-Dichloropropane	0.333	0.239	0.247	0.258	0.249
cis-1,3-Dichloropropene	0.374	0.353	0.359	0.377	0.366
Trichloroethene	0.400	0.263	0.265	0.274	0.264
Dibromochloromethane	0.469	0.492	0.499	0.526	0.445
1,1,2-Trichloroethane	0.306	0.279	0.284	0.290	0.245
Benzene	0.808	0.640	0.666	0.694	0.678
trans-1,3-Dichloropropene	0.385	0.433	0.446	0.459	0.393
2-Chloroethyl Vinyl Ether	0.125	0.137	0.137	0.129	0.132
Bromoform	0.312	0.328	0.333	0.357	0.314
4-Methyl-2-Pentanone	0.184	0.178	0.181	0.186	0.198
2-Hexanone	0.083	0.126	0.150	0.166	0.164
Tetrachloroethene	0.652	0.440	0.439	0.437	0.368
1,1,2,2-Tetrachloroethane	1.139	0.927	0.946	0.957	0.939
Toluene	1.214	1.060	1.066	1.080	0.897
Chlorobenzene	0.825	0.736	0.762	0.756	0.642
Ethylbenzene	0.306	0.307	0.331	0.334	0.279
Styrene	0.830	0.731	0.752	0.772	0.655
Xylene (Total)	0.544	0.476	0.484	0.490	0.409
Ethyl Ether	0.120	0.125	0.135	0.124	0.130
Acrolein	0.003	0.003	0.003	0.003	0.003
Freon TF	0.334	0.357	0.368	0.320	0.337

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS5 Calibration Date(s): 09/12/06 09/12/06

Heated Purge: (Y/N) Y Calibration Time(s): 2113 2258

LAB FILE ID: RRF5: E43410 RRF20: E43411 RRF50: E43412
RRF100: E43413 RRF200: E43414

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile					
TBA	0.018	0.017	0.017	0.017	0.021
Acrylonitrile	0.034	0.038	0.043	0.043	0.046
MTBE	0.522	0.508	0.516	0.493	0.524
Hexane					
DIPE	0.787	0.693	0.717	0.684	0.700
Ethyl Acetate	0.022	0.022	0.025	0.025	0.028
Vinyl Acetate	0.456	0.426	0.446	0.423	0.437
Tetrahydrofuran					
Cyclohexane	0.311	0.310	0.314	0.276	0.294
Isobutanol					
Isopropyl Acetate	0.408	0.415	0.422	0.410	0.433
n-Heptane					
n-Butanol					
Propyl Acetate	0.346	0.315	0.319	0.310	0.325
Butyl Acetate	0.444	0.510	0.500	0.500	0.458
1,2-Dibromoethane	0.431	0.448	0.447	0.458	0.386
1,3-Dichlorobenzene	1.345	1.086	1.188	1.148	1.138
1,4-Dichlorobenzene	1.730	1.360	1.300	1.346	1.302
1,2-Dichlorobenzene	1.314	1.085	1.111	1.112	1.086
Naphthalene	1.889	1.441	1.456	1.507	1.507
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
1,1-Dichloropropene	0.288	0.304	0.317	0.328	0.319
Hexachlorobutadiene	0.622	0.489	0.495	0.499	0.492
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.384	0.361	0.370	0.378	0.327
1,2,3-Trichlorobenzene	0.843	0.702	0.678	0.702	0.680
Dichlorodifluoromethane	0.166	0.185	0.196	0.176	0.190
1,2,3-Trichloropropane	0.240	0.235	0.234	0.254	0.243
1,2,4-Trimethylbenzene	2.214	1.766	1.823	1.809	1.729
1,3,5-Trimethylbenzene	2.295	1.789	1.839	1.838	1.770
Isopropylbenzene	1.605	1.295	1.319	1.332	1.103
1,3-Dichloropropane	0.516	0.517	0.514	0.527	0.442
2,2-Dichloropropane	0.327	0.297	0.304	0.316	0.305
2-Chlorotoluene	2.409	1.920	1.596	1.612	1.532
4-Chlorotoluene	2.338	1.825	1.922	1.887	1.786

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS5 Calibration Date(s): 09/12/06 09/12/06

Heated Purge: (Y/N) Y Calibration Time(s): 2113 2258

LAB FILE ID: RRF5: E43410 RRF20: E43411 RRF50: E43412
RRF100: E43413 RRF200: E43414

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Bromobenzene	0.832	0.683	0.706	0.739	0.730
1,2,4-Trichlorobenzene	0.929	0.766	0.790	0.803	0.781
Bromochloromethane	0.135	0.137	0.140	0.151	0.146
Dibromomethane	0.202	0.203	0.205	0.220	0.212
n-Butylbenzene	2.675	2.062	2.058	2.077	1.939
n-Propylbenzene	3.606	2.790	2.818	2.823	2.645
p-Isopropyltoluene	2.743	2.161	2.203	2.204	2.113
sec-Butylbenzene	3.571	2.643	2.669	2.676	2.562
tert-Butylbenzene	2.614	1.967	1.985	1.973	1.882
Allyl chloride					
Benzyl chloride	1.101	1.132	1.107	1.050	1.079
Epichlorohydrin					
Isoprene	0.201	0.183	0.197	0.172	0.184
Methyl methacrylate					
n-Pentane	0.034	0.036	0.036	0.030	0.032
Allyl alcohol					
Cyclohexene					
Ethyl methacrylate					
Methyl acetate	0.173	0.178	0.184	0.172	0.193
Ethanol					
Methyl cyclohexane	0.351	0.352	0.359	0.314	0.337
p-Ethyltoluene					
1,2-Dibromo-3-chloropropane	0.215	0.202	0.196	0.210	0.210
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Isobutyl Acetate					
Chlorodifluoromethane					
Cyclohexanone					
2-Nitropropane					
2-Methylnaphthalene					
tert-Amylmethyl Ether					
2-Heptanone					
Iodomethane					
trans-1,4-Dichloro-2-butene					
2-Chloropropene					
1,2-Dichloroethane-d4 (SUR)	0.232	0.210	0.208	0.218	0.226
Toluene-d8 (SUR)	1.392	1.003	0.925	0.935	0.830
Bromofluorobenzene (SUR)	1.284	0.788	0.693	0.698	0.726

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS5 Calibration Date(s): 09/12/06 09/12/06

Heated Purge: (Y/N) Y Calibration Time(s): 2113 2258

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.12034320	4.7**
Bromomethane	AVRG	0.14338023	3.3*
Vinyl Chloride	AVRG	0.14206920	4.6*
Chloroethane	AVRG	0.10732807	2.0*
Methylene Chloride	AVRG	0.19796516	4.7*
Acetone	AVRG	0.03793922	14.0*
Carbon Disulfide	AVRG	0.53510131	8.2*
Trichlorofluoromethane	AVRG	0.20410227	3.7*
1,1-Dichloroethene	AVRG	0.17450317	5.9*
1,1-Dichloroethane	AVRG	0.37642179	3.6**
trans-1,2-Dichloroethene	AVRG	0.21698585	4.2*
cis-1,2-Dichloroethene	AVRG	0.23268821	2.8*
Chloroform	AVRG	0.42254787	2.8*
1,2-Dichloroethane	AVRG	0.24404912	5.0*
2-Butanone	AVRG	0.02074936	15.6*
1,1,1-Trichloroethane	AVRG	0.33762244	2.2*
Carbon Tetrachloride	AVRG	0.32395336	1.9*
Bromodichloromethane	AVRG	0.41730780	7.5*
1,2-Dichloropropane	AVRG	0.26530252	14.6*
cis-1,3-Dichloropropene	AVRG	0.36566529	2.7*
Trichloroethene	AVRG	0.29327659	20.4*
Dibromochloromethane	AVRG	0.48644801	6.4*
1,1,2-Trichloroethane	AVRG	0.28064992	8.0*
Benzene	AVRG	0.69719982	9.4*
trans-1,3-Dichloropropene	AVRG	0.42335337	7.7*
2-Chloroethyl Vinyl Ether	AVRG	0.13209178	4.1*
Bromoform	AVRG	0.32882346	5.5**
4-Methyl-2-Pentanone	AVRG	0.18527270	4.3*
2-Hexanone	AVRG	0.13798233	25.2*
Tetrachloroethene	AVRG	0.46744885	23.1*
1,1,2,2-Tetrachloroethane	AVRG	0.98177007	9.0**
Toluene	AVRG	1.06332110	10.6*
Chlorobenzene	AVRG	0.74413996	8.9**
Ethylbenzene	AVRG	0.31147365	7.2*
Styrene	AVRG	0.74801739	8.6*
Xylene (Total)	AVRG	0.48083665	10.0*
Ethyl Ether	AVRG	0.12685691	4.5*
Acrolein	AVRG	0.00303669	8.9*
Freon TF	AVRG	0.34332763	5.6*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS5 Calibration Date(s): 09/12/06 09/12/06

Heated Purge: (Y/N) Y Calibration Time(s): 2113 2258

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG		
TBA	AVRG	0.01820997	10.1*
Acrylonitrile	AVRG	0.04080752	12.0*
MTBE	AVRG	0.51252769	2.4*
Hexane	AVRG		
DIPE	AVRG	0.71599490	5.8*
Ethyl Acetate	AVRG	0.02448759	10.4*
Vinyl Acetate	AVRG	0.43779416	3.2*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.30129473	5.3*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.41788521	2.4*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.32307258	4.3*
Butyl Acetate	AVRG	0.48251101	6.1*
1,2-Dibromoethane	AVRG	0.43405729	6.6*
1,3-Dichlorobenzene	AVRG	1.18116807	8.3*
1,4-Dichlorobenzene	AVRG	1.40789498	12.9*
1,2-Dichlorobenzene	AVRG	1.14156961	8.5*
Naphthalene	AVRG	1.56012510	11.9*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
1,1-Dichloropropene	AVRG	0.31120512	5.1*
Hexachlorobutadiene	AVRG	0.51960564	11.1*
1,4-Dioxane	AVRG	0.00195228	8.8*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.36404388	6.2*
1,2,3-Trichlorobenzene	AVRG	0.72095874	9.6*
Dichlorodifluoromethane	AVRG	0.18264301	6.6*
1,2,3-Trichloropropane	AVRG	0.24139122	3.3*
1,2,4-Trimethylbenzene	AVRG	1.86828599	10.5*
1,3,5-Trimethylbenzene	AVRG	1.90637302	11.5*
Isopropylbenzene	AVRG	1.33076940	13.5*
1,3-Dichloropropane	AVRG	0.50337214	6.9*
2,2-Dichloropropane	AVRG	0.30955123	3.8*
2-Chlorotoluene	AVRG	1.81378006	20.1*
4-Chlorotoluene	AVRG	1.95174583	11.4*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS5 Calibration Date(s): 09/12/06 09/12/06

Heated Purge: (Y/N) Y Calibration Time(s): 2113 2258

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Bromobenzene	AVRG	0.73804760	7.7*
1,2,4-Trichlorobenzene	AVRG	0.81358327	8.1*
Bromochloromethane	AVRG	0.14181904	4.6*
Dibromomethane	AVRG	0.20854091	3.6*
n-Butylbenzene	AVRG	2.16225050	13.5*
n-Propylbenzene	AVRG	2.93658439	13.0*
p-Isopropyltoluene	AVRG	2.28502222	11.3*
sec-Butylbenzene	AVRG	2.82419757	14.9*
tert-Butylbenzene	AVRG	2.08460073	14.3*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	1.09378629	2.8*
Epichlorohydrin	AVRG		
Isoprene	AVRG	0.18727333	6.4*
Methyl methacrylate	AVRG		
n-Pentane	AVRG	0.03347270	7.6*
Allyl alcohol	AVRG		
Cyclohexene	AVRG		
Ethyl methacrylate	AVRG		
Methyl acetate	AVRG	0.18005235	4.7*
Ethanol	AVRG		
Methyl cyclohexane	AVRG	0.34258071	5.3*
p-Ethyltoluene	AVRG		
1,2-Dibromo-3-chloropropane	AVRG	0.20675841	3.8*
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
Isobutyl Acetate	AVRG		
Chlorodifluoromethane	AVRG		
Cyclohexanone	AVRG		
2-Nitropropane	AVRG		
2-Methylnaphthalene	AVRG		
tert-Amylmethyl Ether	AVRG		
2-Heptanone	AVRG		
Iodomethane	AVRG		
trans-1,4-Dichloro-2-butene	AVRG		
2-Chloropropene	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.21883028	4.7*
Toluene-d8 (SUR)	AVRG	1.01714959	21.4*
Bromofluorobenzene (SUR)	AVRG	0.83796886	30.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS5 Calibration Date: 10/05/06 Time: 1628

Lab File ID: E43903 Init. Calib. Date(s): 09/12/06 09/12/06

Init. Calib. Times: 2113 2258

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Chloromethane	0.1200000	0.1503586	0.1	-25.30	50.00	AVRG
Bromomethane	0.1430000	0.1689879		-18.17	50.00	AVRG
Vinyl Chloride	0.1420000	0.1546998		-8.94	20.00	AVRG
Chloroethane	0.1070000	0.1260278		-17.78	50.00	AVRG
Methylene Chloride	0.1980000	0.2083055		-5.20	50.00	AVRG
Acetone	0.0380000	0.0467415		-23.00	50.00	AVRG
Carbon Disulfide	0.5350000	0.4902247		8.37	50.00	AVRG
Trichlorofluoromethane	0.2040000	0.2472264		-21.19	50.00	AVRG
1,1-Dichloroethene	0.1740000	0.1800245		-3.46	20.00	AVRG
1,1-Dichloroethane	0.3770000	0.3917526	0.1	-3.91	50.00	AVRG
trans-1,2-Dichloroethene	0.2170000	0.2327004		-7.24	50.00	AVRG
cis-1,2-Dichloroethene	0.2330000	0.2550503		-9.46	50.00	AVRG
Chloroform	0.4230000	0.4461409		-5.47	20.00	AVRG
1,2-Dichloroethane	0.2440000	0.2554002		-4.67	50.00	AVRG
2-Butanone	0.0210000	0.0246150		-17.21	50.00	AVRG
1,1,1-Trichloroethane	0.3380000	0.3665248		-8.44	50.00	AVRG
Carbon Tetrachloride	0.3240000	0.3537932		-9.20	50.00	AVRG
Bromodichloromethane	0.4170000	0.4306701		-3.28	50.00	AVRG
1,2-Dichloropropane	0.2650000	0.2655983		-0.22	20.00	AVRG
cis-1,3-Dichloropropene	0.3660000	0.3927636		-7.31	50.00	AVRG
Trichloroethene	0.2930000	0.2833920		3.28	50.00	AVRG
Dibromochloromethane	0.4860000	0.4565499		6.06	50.00	AVRG
1,1,2-Trichloroethane	0.2810000	0.2613467		6.99	50.00	AVRG
Benzene	0.6970000	0.7100457		-1.87	50.00	AVRG
trans-1,3-Dichloropropene	0.4230000	0.4079251		3.56	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.1320000	0.1267358		3.99	50.00	AVRG
Bromoform	0.3290000	0.3125488	0.1	5.00	50.00	AVRG
4-Methyl-2-Pentanone	0.1850000	0.2312303		-24.99	50.00	AVRG
2-Hexanone	0.1380000	0.1778498		-28.88	50.00	AVRG
Tetrachloroethene	0.4670000	0.4121137		11.75	50.00	AVRG
1,1,2,2-Tetrachloroethane	0.9820000	0.8603011	0.3	12.39	50.00	AVRG
Toluene	1.0630000	0.9762629		8.16	20.00	AVRG
Chlorobenzene	0.7440000	0.6873166	0.3	7.62	50.00	AVRG
Ethylbenzene	0.3110000	0.3018899		2.93	20.00	AVRG
Styrene	0.7480000	0.6883072		7.98	50.00	AVRG
Xylene (Total)	0.4810000	0.4369634		9.16	50.00	AVRG
Ethyl Ether	0.1270000	0.1433346		-12.86	50.00	AVRG
Acrolein	0.0030000	0.0017047		43.18	50.00	AVRG
Freon TF	0.3430000	0.3828396		-11.62	50.00	AVRG
Isopropanol	0.0000000			0.00	50.00	AVRG
Acetonitrile	0.0000000			0.00	50.00	AVRG
TBA	0.0180000	0.0241047		-33.92	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS5 Calibration Date: 10/05/06 Time: 1628

Lab File ID: E43903 Init. Calib. Date(s): 09/12/06 09/12/06

Init. Calib. Times: 2113 2258

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Acrylonitrile	0.0410000	0.0482824		-17.76	50.00	AVRG
MTBE	0.5130000	0.5746565		-12.02	50.00	AVRG
Hexane	0.0000000			0.00	50.00	AVRG
DIPE	0.7160000	0.8062149		-12.60	50.00	AVRG
Ethyl Acetate	0.0240000	0.0289339		-20.56	50.00	AVRG
Vinyl Acetate	0.4380000	0.4266258		2.60	50.00	AVRG
Tetrahydrofuran	0.0000000			0.00	50.00	AVRG
Cyclohexane	0.3010000	0.3275900		-8.83	50.00	AVRG
Isobutanol	0.0000000			0.00	50.00	AVRG
Isopropyl Acetate	0.4180000	0.5087910		-21.72	50.00	AVRG
n-Heptane	0.0000000			0.00	50.00	AVRG
n-Butanol	0.0000000			0.00	50.00	AVRG
Propyl Acetate	0.3230000	0.3849210		-19.17	50.00	AVRG
Butyl Acetate	0.4820000	0.5342737		-10.84	50.00	AVRG
1,2-Dibromoethane	0.4340000	0.4112286		5.25	50.00	AVRG
1,3-Dichlorobenzene	1.1810000	1.0235159		13.33	50.00	AVRG
1,4-Dichlorobenzene	1.4080000	1.1666627		17.14	50.00	AVRG
1,2-Dichlorobenzene	1.1420000	0.9646734		15.53	50.00	AVRG
Naphthalene	1.5600000	1.2787056		18.03	50.00	AVRG
Methylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dimethylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
1,1-Dichloropropene	0.3110000	0.3437393		-10.53	50.00	AVRG
Hexachlorobutadiene	0.5190000	0.4425962		14.72	50.00	AVRG
1,4-Dioxane	0.0020000	0.0022948		-14.74	50.00	AVRG
Methyl Acrylate	0.0000000			0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.3640000	0.3359503		7.70	50.00	AVRG
1,2,3-Trichlorobenzene	0.7210000	0.6013137		16.60	50.00	AVRG
Dichlorodifluoromethane	0.1830000	0.2136472		-16.75	50.00	AVRG
1,2,3-Trichloropropane	0.2410000	0.2183749		9.39	50.00	AVRG
1,2,4-Trimethylbenzene	1.8680000	1.5612391		16.42	50.00	AVRG
1,3,5-Trimethylbenzene	1.9060000	1.6040131		15.84	50.00	AVRG
Isopropylbenzene	1.3310000	1.1925678		10.40	50.00	AVRG
1,3-Dichloropropane	0.5030000	0.4746988		5.63	50.00	AVRG
2,2-Dichloropropane	0.3100000	0.3314154		-6.91	50.00	AVRG
2-Chlorotoluene	1.8140000	1.3897995		23.38	50.00	AVRG
4-Chlorotoluene	1.9520000	1.6599518		14.96	50.00	AVRG
Bromobenzene	0.7380000	0.6222092		15.69	50.00	AVRG
1,2,4-Trichlorobenzene	0.8140000	0.6651011		18.29	50.00	AVRG
Bromochloromethane	0.1420000	0.1505564		-6.02	50.00	AVRG
Dibromomethane	0.2080000	0.2178368		-4.73	50.00	AVRG
n-Butylbenzene	2.1620000	1.8718773		13.42	50.00	AVRG
n-Propylbenzene	2.9360000	2.4961089		14.98	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS5 Calibration Date: 10/05/06 Time: 1628

Lab File ID: E43903 Init. Calib. Date(s): 09/12/06 09/12/06

Init. Calib. Times: 2113 2258

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
p-Isopropyltoluene	2.2850000	1.9607579		14.19	50.00	AVRG
sec-Butylbenzene	2.8240000	2.3524844		16.70	50.00	AVRG
tert-Butylbenzene	2.0840000	1.7341406		16.79	50.00	AVRG
Allyl chloride	0.0000000			0.00	50.00	AVRG
Benzyl chloride	1.0940000	1.0867642		0.66	50.00	AVRG
Epichlorohydrin	0.0000000			0.00	50.00	AVRG
Isoprene	0.1870000	0.2002916		-7.11	50.00	AVRG
Methyl methacrylate	0.0000000			0.00	50.00	AVRG
n-Pentane	0.0340000	0.0329904		2.97	50.00	AVRG
Allyl alcohol	0.0000000			0.00	50.00	AVRG
Cyclohexene	0.0000000			0.00	50.00	AVRG
Ethyl methacrylate	0.0000000			0.00	50.00	AVRG
Methyl acetate	0.1800000	0.2410018		-33.89	50.00	AVRG
Ethanol	0.0000000			0.00	50.00	AVRG
Methyl cyclohexane	0.3430000	0.3899989		-13.70	50.00	AVRG
p-Ethyltoluene	0.0000000			0.00	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.2070000	0.1780182		14.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000			0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000			0.00	50.00	AVRG
Isobutyl Acetate	0.0000000			0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000			0.00	50.00	AVRG
Cyclohexanone	0.0000000			0.00	50.00	AVRG
2-Nitropropane	0.0000000			0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000			0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000		0.01	0.00	50.00	AVRG
2-Heptanone	0.0000000		0.01	0.00	50.00	AVRG
Iodomethane	0.0000000		0.01	0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000		0.01	0.00	50.00	AVRG
2-Chloropropene	0.0000000		0.01	0.00	50.00	AVRG
1,2-Dichloroethane-d4 (SUR)	0.2190000	0.2737398		-25.00	50.00	AVRG
Toluene-d8 (SUR)	1.0170000	1.0699827		-5.21	50.00	AVRG
Bromofluorobenzene (SUR)	0.8380000	0.8706624		-3.90	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS5 Calibration Date: 10/06/06 Time: 1657

Lab File ID: E43929 Init. Calib. Date(s): 09/12/06 09/12/06

Init. Calib. Times: 2113 2258

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Chloromethane	0.1200000	0.1503396	0.1	-25.28	50.00	AVRG
Bromomethane	0.1430000	0.1651734		-15.50	50.00	AVRG
Vinyl Chloride	0.1420000	0.1565774		-10.26	20.00	AVRG
Chloroethane	0.1070000	0.1322689		-23.62	50.00	AVRG
Methylene Chloride	0.1980000	0.2312941		-16.82	50.00	AVRG
Acetone	0.0380000	0.0426369		-12.20	50.00	AVRG
Carbon Disulfide	0.5350000	0.4763416		10.96	50.00	AVRG
Trichlorofluoromethane	0.2040000	0.2716973		-33.18	50.00	AVRG
1,1-Dichloroethene	0.1740000	0.1821251		-4.67	20.00	AVRG
1,1-Dichloroethane	0.3770000	0.4310977	0.1	-14.35	50.00	AVRG
trans-1,2-Dichloroethene	0.2170000	0.2406292		-10.89	50.00	AVRG
cis-1,2-Dichloroethene	0.2330000	0.2702533		-15.99	50.00	AVRG
Chloroform	0.4230000	0.4866397		-15.04	20.00	AVRG
1,2-Dichloroethane	0.2440000	0.2871350		-17.68	50.00	AVRG
2-Butanone	0.0210000	0.0267373		-27.32	50.00	AVRG
1,1,1-Trichloroethane	0.3380000	0.3842126		-13.67	50.00	AVRG
Carbon Tetrachloride	0.3240000	0.3649488		-12.64	50.00	AVRG
Bromodichloromethane	0.4170000	0.4732100		-13.48	50.00	AVRG
1,2-Dichloropropane	0.2650000	0.2959447		-11.68	20.00	AVRG
cis-1,3-Dichloropropene	0.3660000	0.4418832		-20.73	50.00	AVRG
Trichloroethene	0.2930000	0.3021536		-3.12	50.00	AVRG
Dibromochloromethane	0.4860000	0.5058741		-4.09	50.00	AVRG
1,1,2-Trichloroethane	0.2810000	0.2921842		-3.98	50.00	AVRG
Benzene	0.6970000	0.7575997		-8.69	50.00	AVRG
trans-1,3-Dichloropropene	0.4230000	0.4586640		-8.43	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.1320000	0.1745253		-32.22	50.00	AVRG
Bromoform	0.3290000	0.3460931	0.1	-5.20	50.00	AVRG
4-Methyl-2-Pentanone	0.1850000	0.2373171		-28.28	50.00	AVRG
2-Hexanone	0.1380000	0.1689905		-22.46	50.00	AVRG
Tetrachloroethene	0.4670000	0.4145442		11.23	50.00	AVRG
1,1,2,2-Tetrachloroethane	0.9820000	0.9195090	0.3	6.36	50.00	AVRG
Toluene	1.0630000	1.0460224		1.60	20.00	AVRG
Chlorobenzene	0.7440000	0.7467677	0.3	-0.37	50.00	AVRG
Ethylbenzene	0.3110000	0.3253847		-4.62	20.00	AVRG
Styrene	0.7480000	0.7465640		0.19	50.00	AVRG
Xylene (Total)	0.4810000	0.4650943		3.31	50.00	AVRG
Ethyl Ether	0.1270000	0.1524915		-20.07	50.00	AVRG
Acrolein	0.0030000	0.0016665		44.45	50.00	AVRG
Freon TF	0.3430000	0.3900769		-13.72	50.00	AVRG
Isopropanol	0.0000000			0.00	50.00	AVRG
Acetonitrile	0.0000000			0.00	50.00	AVRG
TBA	0.0180000	0.0228999		-27.22	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS5 Calibration Date: 10/06/06 Time: 1657

Lab File ID: E43929 Init. Calib. Date(s): 09/12/06 09/12/06

Init. Calib. Times: 2113 2258

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Acrylonitrile	0.0410000	0.0523179		-27.60	50.00	AVRG
MTBE	0.5130000	0.6153658		-19.95	50.00	AVRG
Hexane	0.0000000			0.00	50.00	AVRG
DIPE	0.7160000	0.8413061		-17.50	50.00	AVRG
Ethyl Acetate	0.0240000	0.0307385		-28.08	50.00	AVRG
Vinyl Acetate	0.4380000	0.4489074		-2.49	50.00	AVRG
Tetrahydrofuran	0.0000000			0.00	50.00	AVRG
Cyclohexane	0.3010000	0.3369106		-11.93	50.00	AVRG
Isobutanol	0.0000000			0.00	50.00	AVRG
Isopropyl Acetate	0.4180000	0.5360429		-28.24	50.00	AVRG
n-Heptane	0.0000000			0.00	50.00	AVRG
n-Butanol	0.0000000			0.00	50.00	AVRG
Propyl Acetate	0.3230000	0.4024223		-24.59	50.00	AVRG
Butyl Acetate	0.4820000	0.5634728		-16.90	50.00	AVRG
1,2-Dibromoethane	0.4340000	0.4527039		-4.31	50.00	AVRG
1,3-Dichlorobenzene	1.1810000	1.1228572		4.92	50.00	AVRG
1,4-Dichlorobenzene	1.4080000	1.2066681		14.30	50.00	AVRG
1,2-Dichlorobenzene	1.1420000	1.0382864		9.08	50.00	AVRG
Naphthalene	1.5600000	1.3565911		13.04	50.00	AVRG
Methylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dimethylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
1,1-Dichloropropene	0.3110000	0.3626600		-16.61	50.00	AVRG
Hexachlorobutadiene	0.5190000	0.4611220		11.15	50.00	AVRG
1,4-Dioxane	0.0020000	0.0024873		-24.36	50.00	AVRG
Methyl Acrylate	0.0000000			0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.3640000	0.3724489		-2.32	50.00	AVRG
1,2,3-Trichlorobenzene	0.7210000	0.6672384		7.46	50.00	AVRG
Dichlorodifluoromethane	0.1830000	0.2140280		-16.96	50.00	AVRG
1,2,3-Trichloropropane	0.2410000	0.2300800		4.53	50.00	AVRG
1,2,4-Trimethylbenzene	1.8680000	1.6853724		9.78	50.00	AVRG
1,3,5-Trimethylbenzene	1.9060000	1.6854624		11.57	50.00	AVRG
Isopropylbenzene	1.3310000	1.2512174		5.99	50.00	AVRG
1,3-Dichloropropane	0.5030000	0.5291790		-5.20	50.00	AVRG
2,2-Dichloropropane	0.3100000	0.3532279		-13.94	50.00	AVRG
2-Chlorotoluene	1.8140000	1.4684561		19.05	50.00	AVRG
4-Chlorotoluene	1.9520000	1.7851553		8.55	50.00	AVRG
Bromobenzene	0.7380000	0.6530641		11.51	50.00	AVRG
1,2,4-Trichlorobenzene	0.8140000	0.7412650		8.94	50.00	AVRG
Bromochloromethane	0.1420000	0.1643894		-15.77	50.00	AVRG
Dibromomethane	0.2080000	0.2449968		-17.79	50.00	AVRG
n-Butylbenzene	2.1620000	1.9119169		11.57	50.00	AVRG
n-Propylbenzene	2.9360000	2.5689243		12.50	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS5 Calibration Date: 10/06/06 Time: 1657

Lab File ID: E43929 Init. Calib. Date(s): 09/12/06 09/12/06

Init. Calib. Times: 2113 2258

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
p-Isopropyltoluene	2.2850000	2.0229023		11.47	50.00	AVRG
sec-Butylbenzene	2.8240000	2.4300497		13.95	50.00	AVRG
tert-Butylbenzene	2.0840000	1.8022720		13.52	50.00	AVRG
Allyl chloride	0.0000000			0.00	50.00	AVRG
Benzyl chloride	1.0940000	1.1379430		-4.02	50.00	AVRG
Epichlorohydrin	0.0000000			0.00	50.00	AVRG
Isoprene	0.1870000	0.2000703		-6.99	50.00	AVRG
Methyl methacrylate	0.0000000			0.00	50.00	AVRG
n-Pentane	0.0340000	0.0303392		10.77	50.00	AVRG
Allyl alcohol	0.0000000			0.00	50.00	AVRG
Cyclohexene	0.0000000			0.00	50.00	AVRG
Ethyl methacrylate	0.0000000			0.00	50.00	AVRG
Methyl acetate	0.1800000	0.2443722		-35.76	50.00	AVRG
Ethanol	0.0000000			0.00	50.00	AVRG
Methyl cyclohexane	0.3430000	0.3965458		-15.61	50.00	AVRG
p-Ethyltoluene	0.0000000			0.00	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.2070000	0.1856945		10.29	50.00	AVRG
1,4-Diethylbenzene	0.0000000			0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000			0.00	50.00	AVRG
Isobutyl Acetate	0.0000000			0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000			0.00	50.00	AVRG
Cyclohexanone	0.0000000			0.00	50.00	AVRG
2-Nitropropane	0.0000000			0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000			0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000		0.01	0.00	50.00	AVRG
2-Heptanone	0.0000000		0.01	0.00	50.00	AVRG
Iodomethane	0.0000000		0.01	0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000		0.01	0.00	50.00	AVRG
2-Chloropropene	0.0000000		0.01	0.00	50.00	AVRG
1,2-Dichloroethane-d4 (SUR)	0.2190000	0.2668737		-21.86	50.00	AVRG
Toluene-d8 (SUR)	1.0170000	1.1036134		-8.52	50.00	AVRG
Bromofluorobenzene (SUR)	0.8380000	0.8817459		-5.22	50.00	AVRG

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: SOIL Level: LOW Lab Job No: X924

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	EV278	112	108	108		0
02	775272	118	113	116		0
03	775275	124	104	105		0
04	775276	124	103	96		0
05	775294	114	107	115		0
06	EV279	112	106	108		0
07	775273	120	103	107		0
08	775295	120	104	105		0
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
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21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(57-149)
S2	= Toluene-d8	(60-147)
S3	= Bromofluorobenzene	(52-154)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 779779

MS Sample from Lab Job No: Y691

QA Batch: 0942

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	80	0.00	89	111	56-142
Trichloroethene	80	0.00	67	84	66-130
Benzene	80	15	120	131	64-134
Toluene	80	4.5	91	108	69-129
Chlorobenzene	80	0.00	73	91	70-134

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	82	76	93	18	40	56-142
Trichloroethene	82	59	72	15	40	66-130
Benzene	82	100	104	23	40	64-134
Toluene	82	75	86	23	40	69-129
Chlorobenzene	82	63	77	17	40	70-134

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): E43903 Date Analyzed: 10/05/06

Instrument ID: VOAMS5 Time Analyzed: 1628

		IS1 AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	1795128		8.66		1373968		12.37		797587		14.97	
	UPPER LIMIT	3590256		9.16		2747936		12.87		1595174		15.47	
	LOWER LIMIT	897564		8.16		686984		11.87		398794		14.47	
	LABORATORY SAMPLE NO.												
01	EV278	1634997		8.69		1256538		12.39		643520		14.76	
02	775272	1566335		8.69		1114478		12.39		475239		14.99	
03	775275	1458692		8.69		1157698		12.40		661954		15.00	
04	775276	1356182		8.69		1106334		12.40		710949		15.00	
05	775294	1431891		8.69		1117751		12.39		562587		14.99	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): E43929 Date Analyzed: 10/06/06

Instrument ID: VOAMS5 Time Analyzed: 1657

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1649755	8.63	1271467	12.35	752936	14.95
	UPPER LIMIT	3299510	9.13	2542934	12.85	1505872	15.45
	LOWER LIMIT	824878	8.13	635734	11.85	376468	14.45
	LABORATORY SAMPLE NO.						
01	EV279	1551797	8.66	1208373	12.36	635427	14.74
02	775273	1708156	8.65	1369837	12.36	707171	14.95
03	775295	1712174	8.66	1353375	12.36	751158	14.96
04							
05							
06							
07							
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19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS Forms and Data (Semivolatiles)

Results Summary and Chromatograms

Client ID: **B201-SS01**
Site: Sun Chemical SI

Lab Sample No: **775267**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30701.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	180
1,3-Dichlorobenzene	ND	1800
1,4-Dichlorobenzene	ND	1800
1,2-Dichlorobenzene	ND	1800
bis(2-chloroisopropyl)ether	ND	1800
N-Nitroso-di-n-propylamine	ND	180
Hexachloroethane	ND	180
Nitrobenzene	ND	180
Isophorone	ND	1800
bis(2-Chloroethoxy)methane	ND	1800
1,2,4-Trichlorobenzene	ND	180
Naphthalene	110 J	1800
4-Chloroaniline	ND	1800
Hexachlorobutadiene	ND	360
2-Methylnaphthalene	170 J	1800
Hexachlorocyclopentadiene	ND	1800
2-Chloronaphthalene	ND	1800
2-Nitroaniline	ND	3600
Dimethylphthalate	ND	1800
Acenaphthylene	ND	1800
2,6-Dinitrotoluene	ND	360
3-Nitroaniline	ND	3600
Acenaphthene	45 J	1800
Dibenzofuran	37 J	1800
2,4-Dinitrotoluene	ND	360
Diethylphthalate	ND	1800
4-Chlorophenyl-phenylether	ND	1800
Fluorene	64 J	1800
4-Nitroaniline	ND	3600
N-Nitrosodiphenylamine	ND	1800
4-Bromophenyl-phenylether	ND	1800
Hexachlorobenzene	ND	180
Phenanthrene	310 J	1800
Anthracene	ND	1800

Client ID: **B201-SS01**
Site: Sun Chemical SI

Lab Sample No: **775267**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30701.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	1800
Di-n-butylphthalate	ND	1800
Fluoranthene	230 J	1800
Pyrene	510 J	1800
Butylbenzylphthalate	ND	1800
3,3'-Dichlorobenzidine	ND	3600
Benzo(a)anthracene	200	180
Chrysene	350 J	1800
bis(2-Ethylhexyl)phthalate	1100 J	1800
Di-n-octylphthalate	ND	1800
Benzo(b)fluoranthene	ND	180
Benzo(k)fluoranthene	ND	180
Benzo(a)pyrene	ND	180
Indeno(1,2,3-cd)pyrene	ND	180
Dibenz(a,h)anthracene	ND	180
Benzo(g,h,i)perylene	ND	1800

Client ID: **B201-SS01**
Site: Sun Chemical SI

Lab Sample No: **775267**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30701.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	16.17	3400	
2. Unknown	16.50	1600	
3. Unknown Alkane	16.59	2500	
4. Unknown Alkane	17.58	3000	
5. Unknown	17.92	2400	
6. Unknown	18.60	1600	
7. Unknown	18.62	1600	
8. Unknown	19.09	1500	
9. Unknown	19.17	2000	
10. Unknown	24.60	3600	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	23200

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d
Lab Smp Id: 775267 Client Smp ID: B201-SS01
Inj Date : 06-OCT-2006 19:06
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775267;3280895
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 16
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	7.30000	% Moisture

Cpnd Variable Local Compound Variable

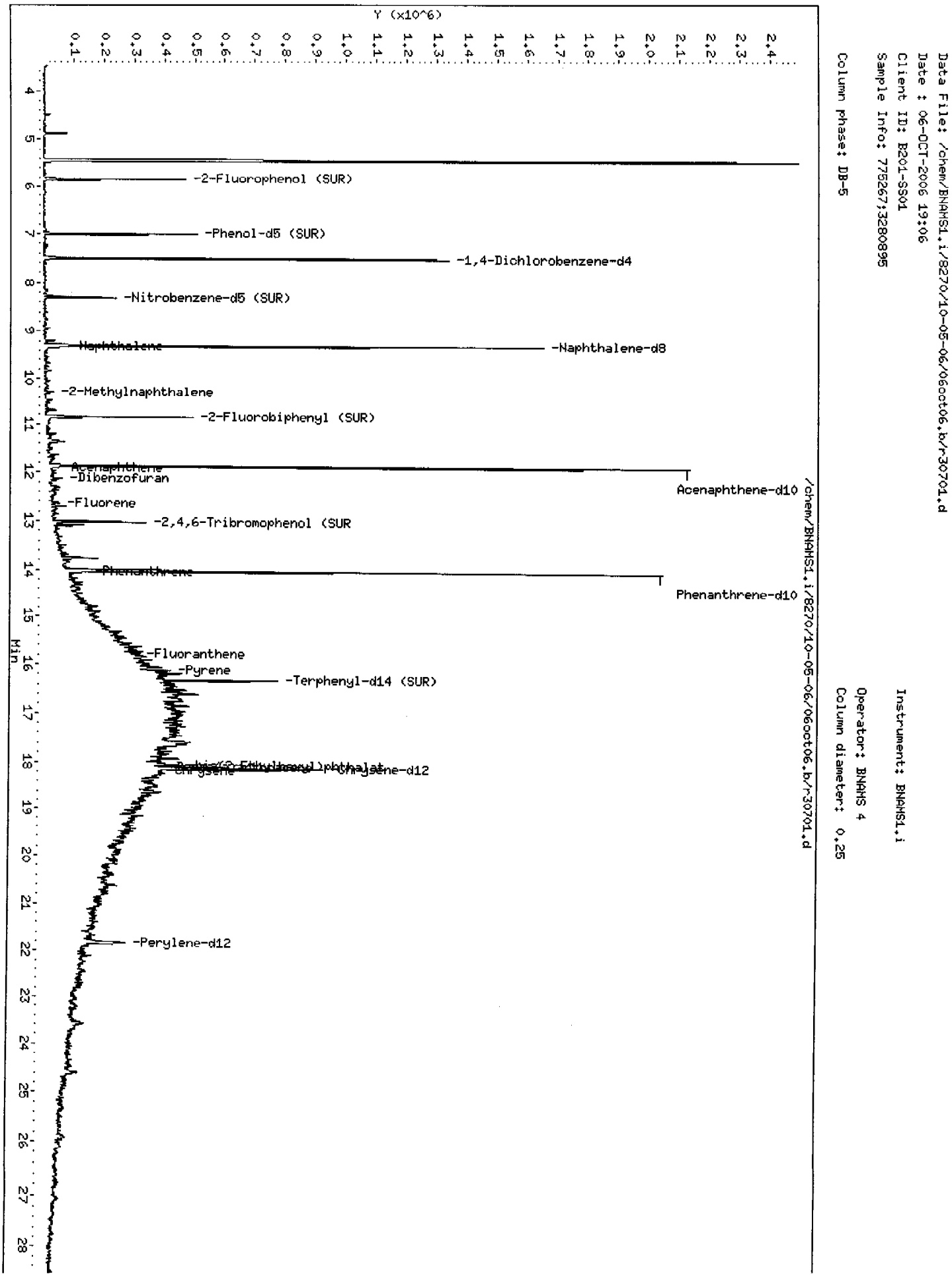
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.837	5.826	(0.777)	167284	14.9547	5400
$	17 Phenol-d5 (SUR)	99	7.012	7.012	(0.934)	218354	15.7030	5600
*	79 1,4-Dichlorobenzene-d4	152	7.509	7.499	(1.000)	298679	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.302	8.302	(0.893)	93294	8.04850	2900
*	80 Naphthalene-d8	136	9.299	9.293	(1.000)	1130872	40.0000	
	31 Naphthalene	128	9.329	9.330	(1.003)	8609	0.30457	110(a)
	34 2-Methylnaphthalene	142	10.313	10.304	(1.109)	9305	0.47070	170(a)
$	77 2-Fluorobiphenyl (SUR)	172	10.852	10.848	(0.914)	191082	9.06177	3200
*	82 Acenaphthene-d10	164	11.868	11.858	(1.000)	707803	40.0000	
	42 Acenaphthene	154	11.913	11.910	(1.004)	2262	0.12589	45(a)
	43 Dibenzofuran	168	12.129	12.135	(1.022)	2864	0.10246	37(a)
	47 Fluorene	166	12.637	12.640	(1.065)	4035	0.17784	64(a)
$	18 2,4,6-Tribromophenol (SUR)	330	13.016	13.021	(1.097)	41236	10.5941	3800
*	83 Phenanthrene-d10	188	14.013	14.005	(1.000)	1022639	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	52 Phenanthrene	178	14.044	14.043	(1.002)	25789	0.85177	310(a)
	56 Fluoranthene	202	15.789	15.790	(1.127)	19854	0.63964	230(a)
	57 Pyrene	202	16.125	16.124	(0.889)	18909	1.40926	510(a)
$	78 Terphenyl-d14 (SUR)	244	16.307	16.302	(0.899)	127771	13.8906	5000
	63 bis(2-Ethylhexyl)phthalate	149	18.058	18.048	(0.996)	33240	3.02604	1100(a)
	61 Benzo(a)anthracene	228	18.086	18.093	(0.997)	6253	0.54293	200
*	81 Chrysene-d12	240	18.135	18.137	(1.000)	418626	40.0000	
	62 Chrysene	228	18.170	18.190	(1.002)	10373	0.96650	350(a)
*	84 Perylene-d12	264	21.832	21.844	(1.000)	119288	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d
Date : 06-OCT-2006 19:06
Client ID: B201-SS01
Sample Info: 775267;3280895
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

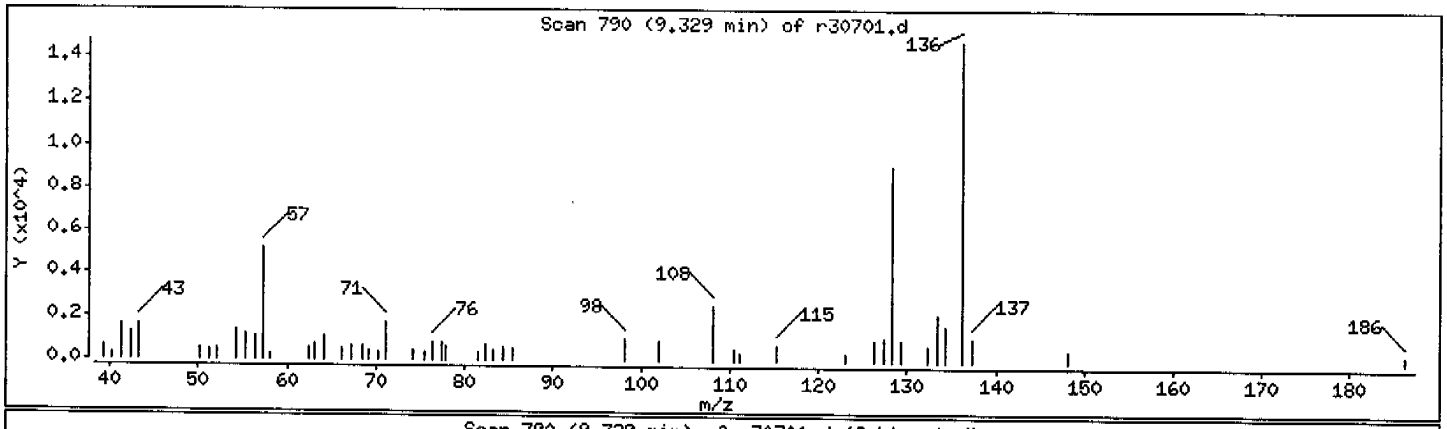
Client ID: B201-SS01 Instrument: BNAMS1.i

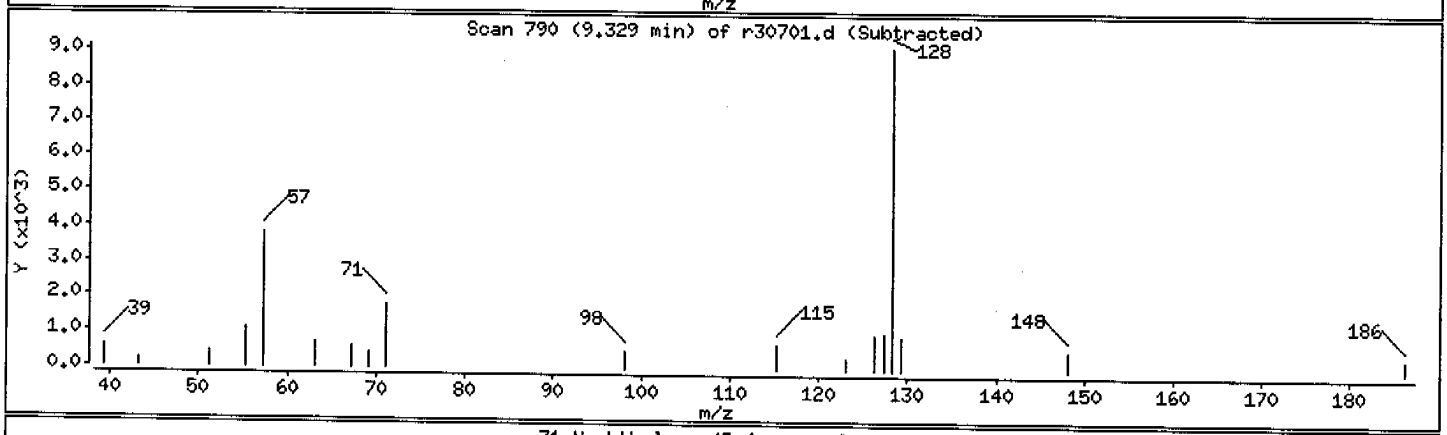
Sample Info: 775267;3280895

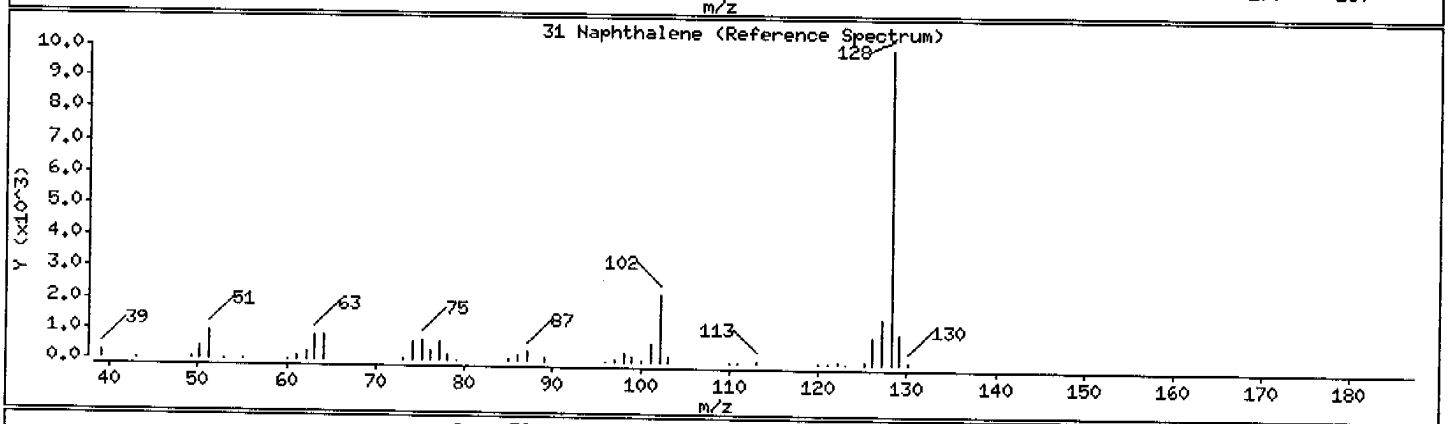
Operator: BNAMS 4

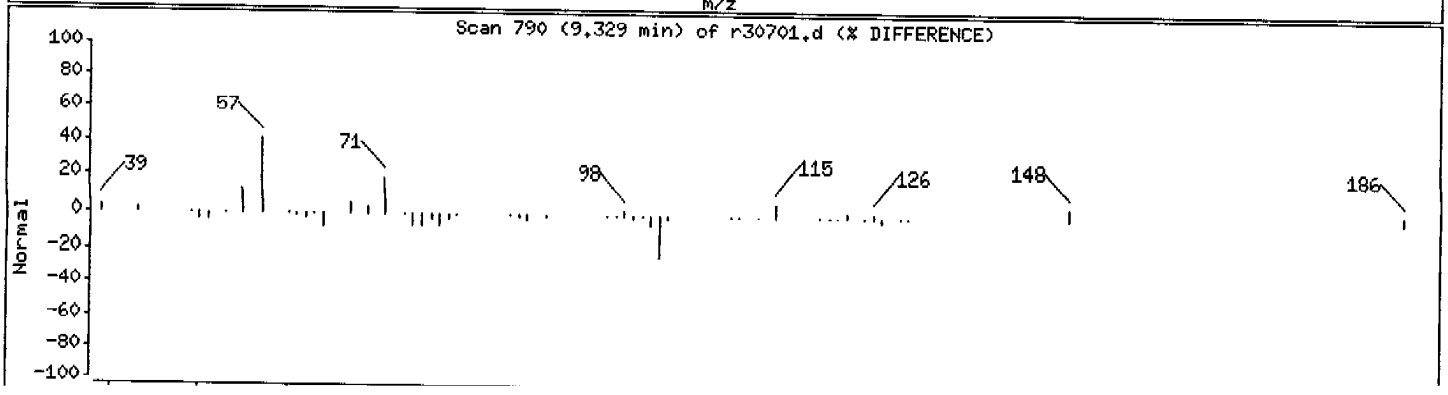
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 110 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

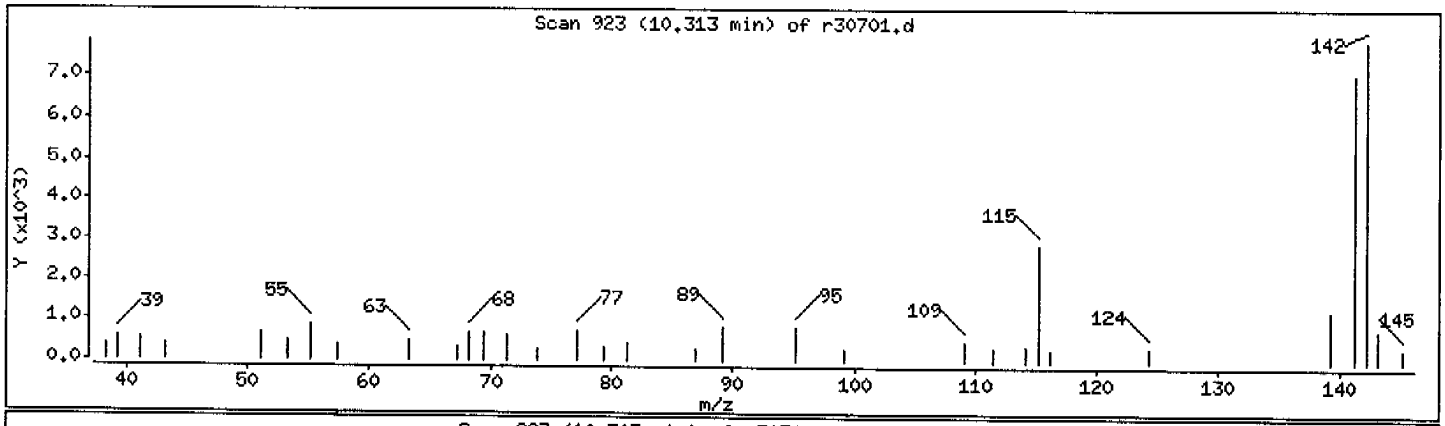
Client ID: B201-SS01 Instrument: BNAMS1.i

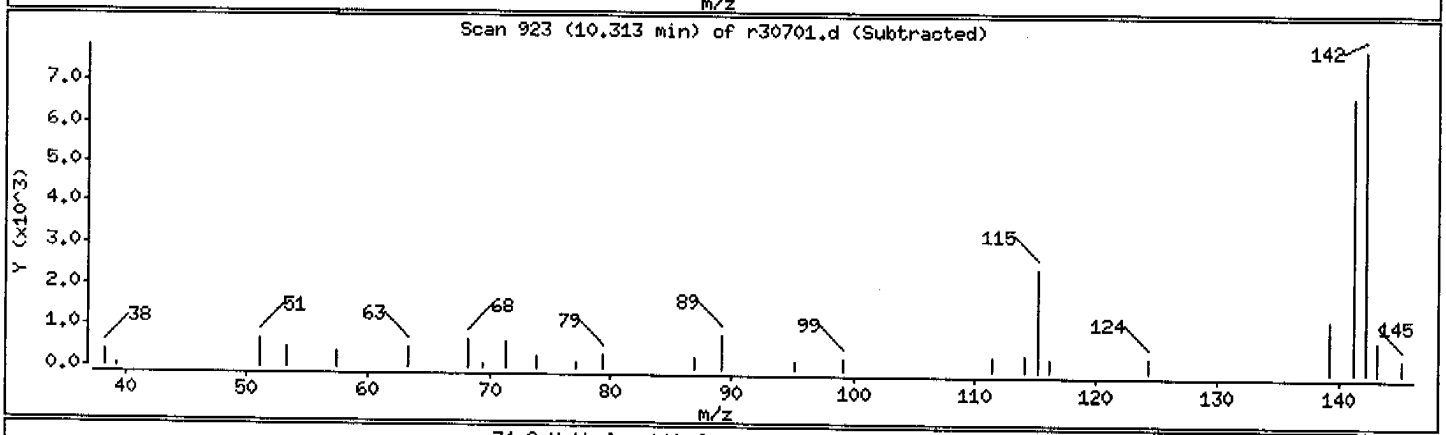
Sample Info: 775267;3280895

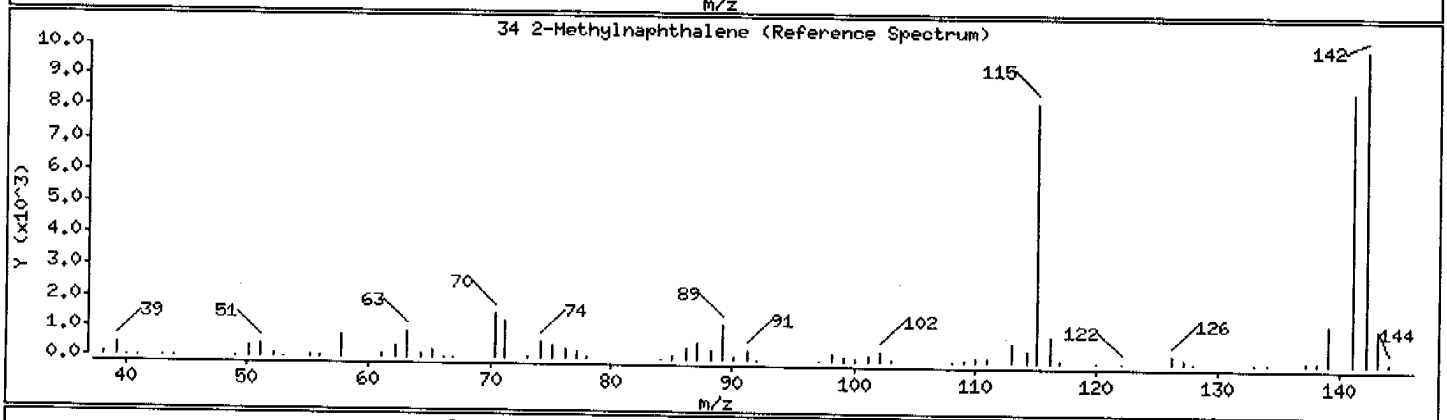
Operator: BNAMS 4

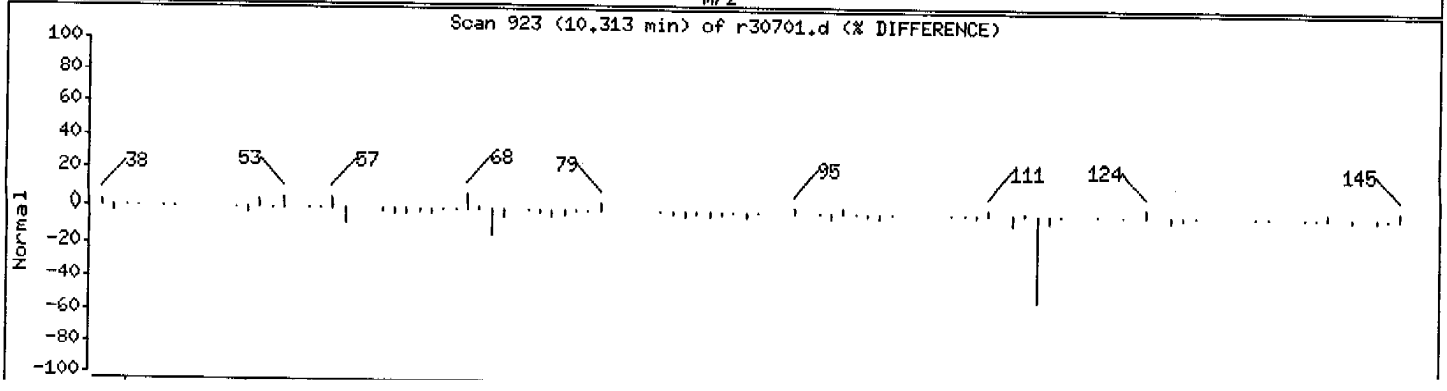
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 170 ug/Kg









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Date : 06-OCT-2006 19:06

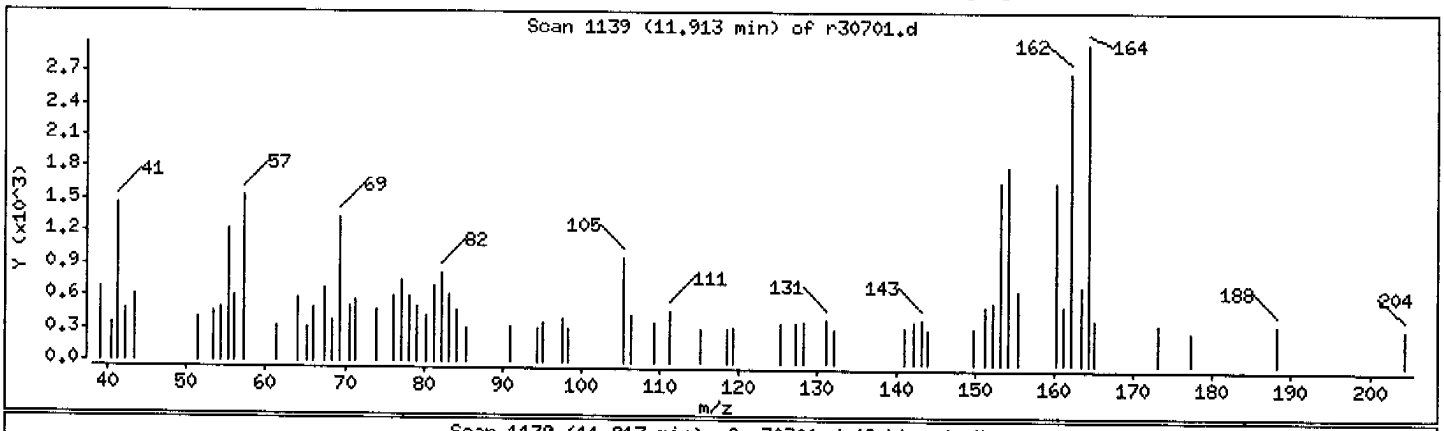
Client ID: B201-SS01 Instrument: BNAMS1.i

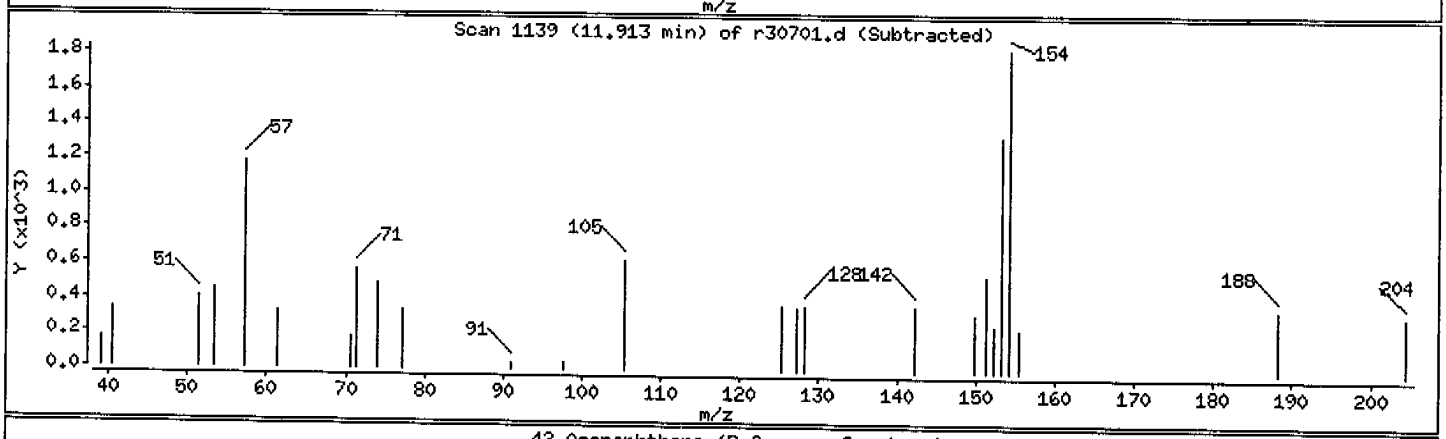
Sample Info: 775267;3280895

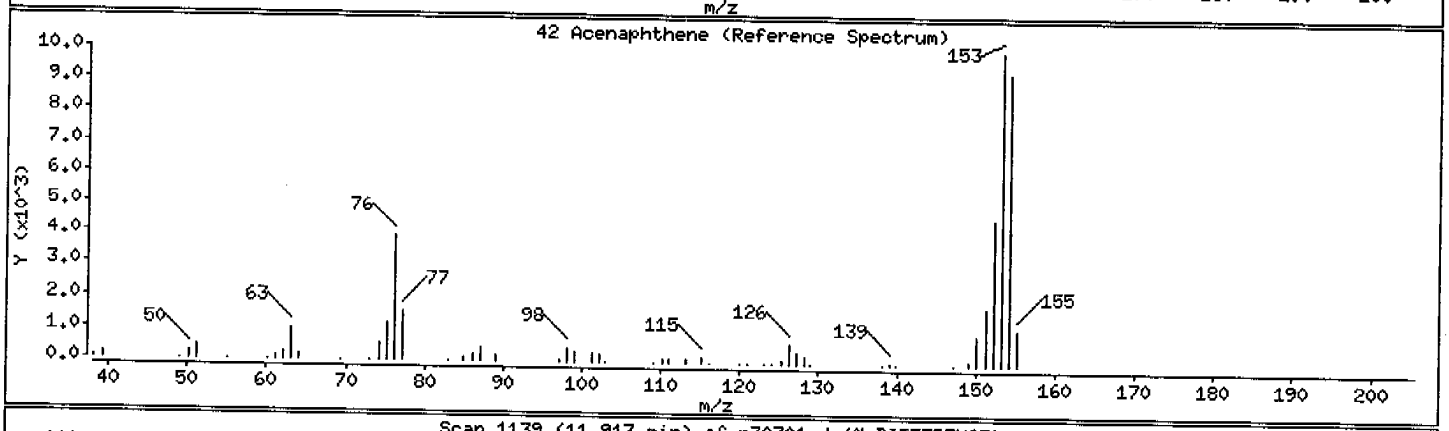
Operator: BNAMS 4

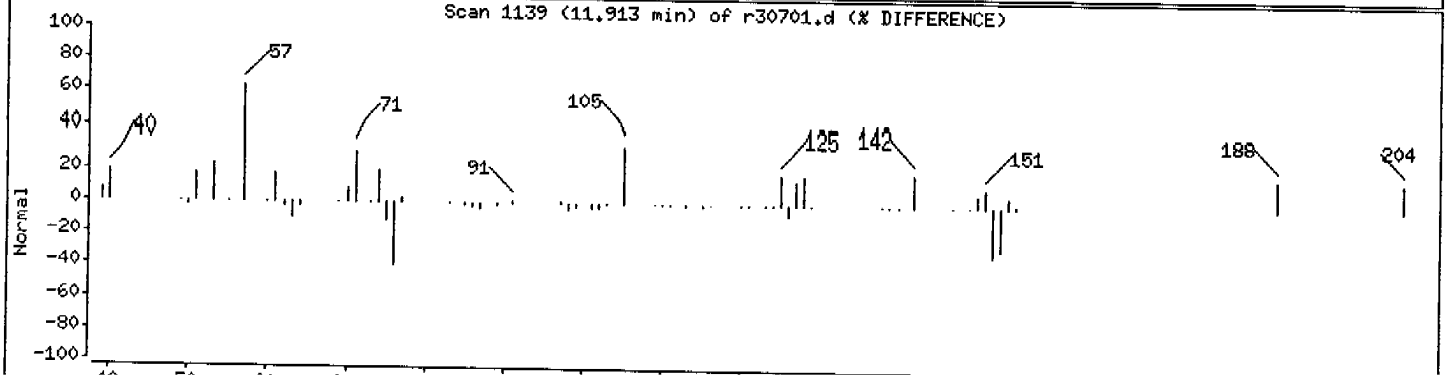
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 45 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

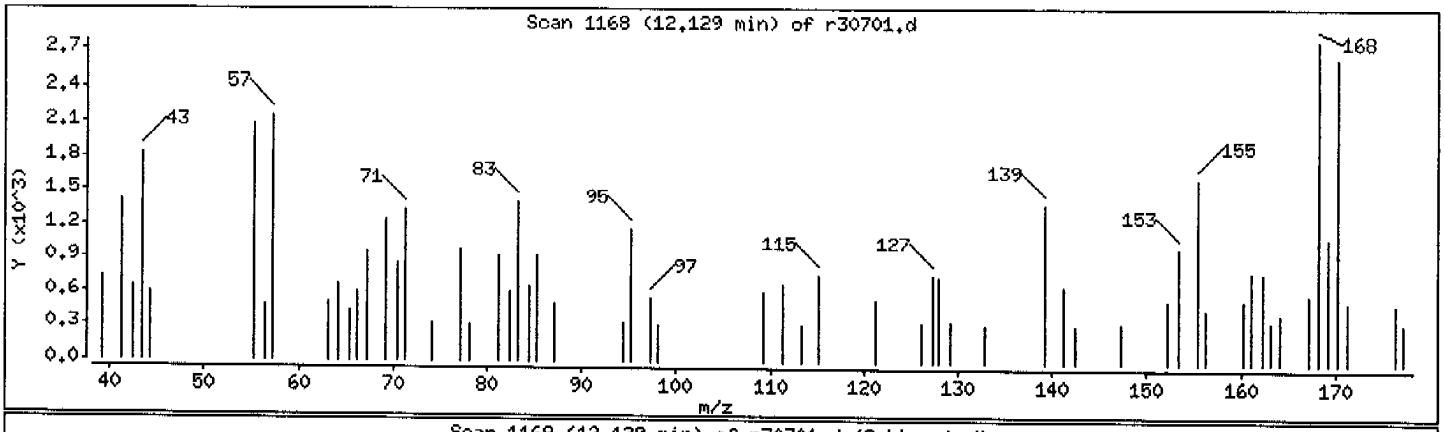
Client ID: B201-SS01 Instrument: BNAMS1.i

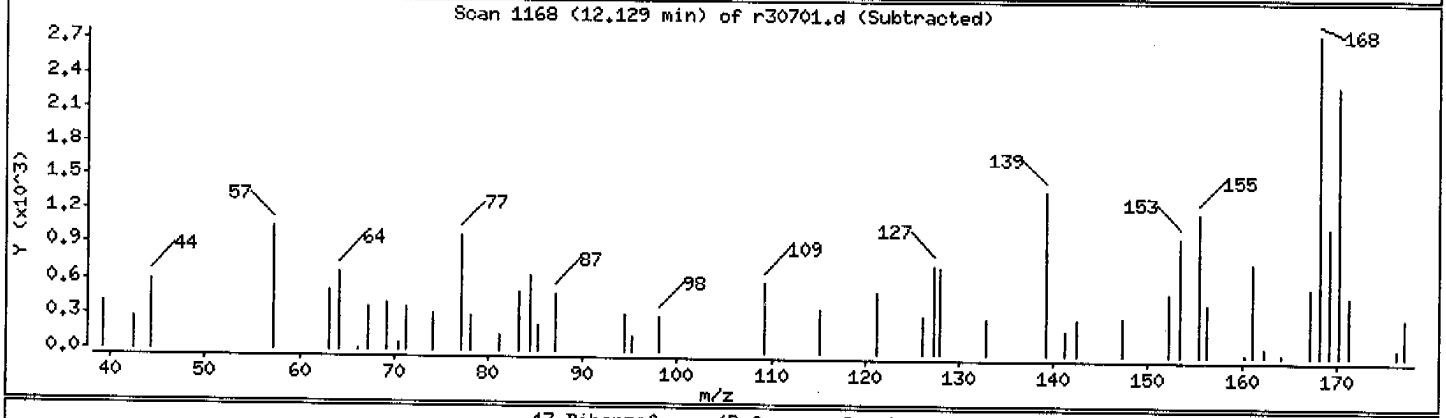
Sample Info: 775267;3280895

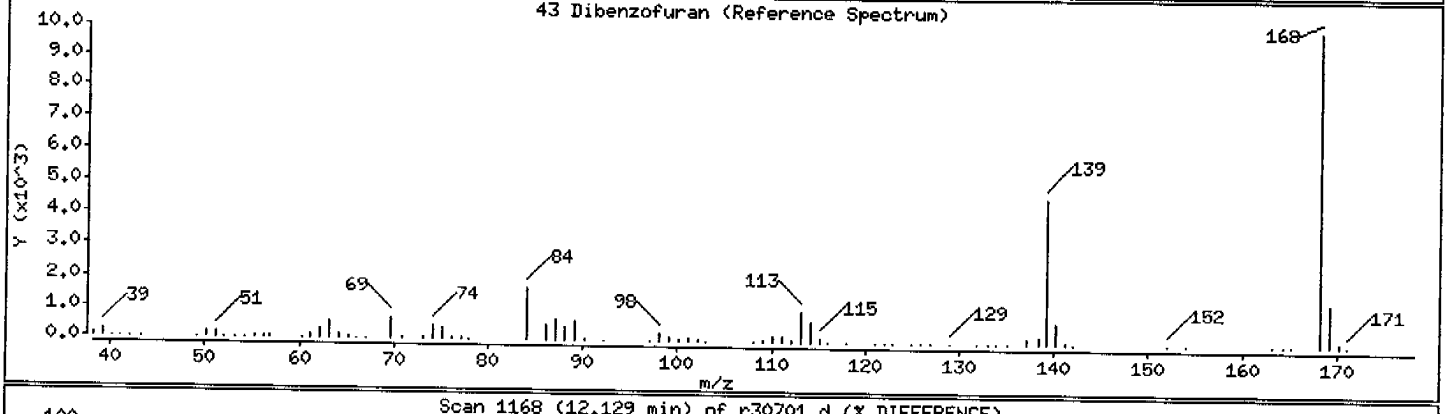
Operator: BNAMS 4

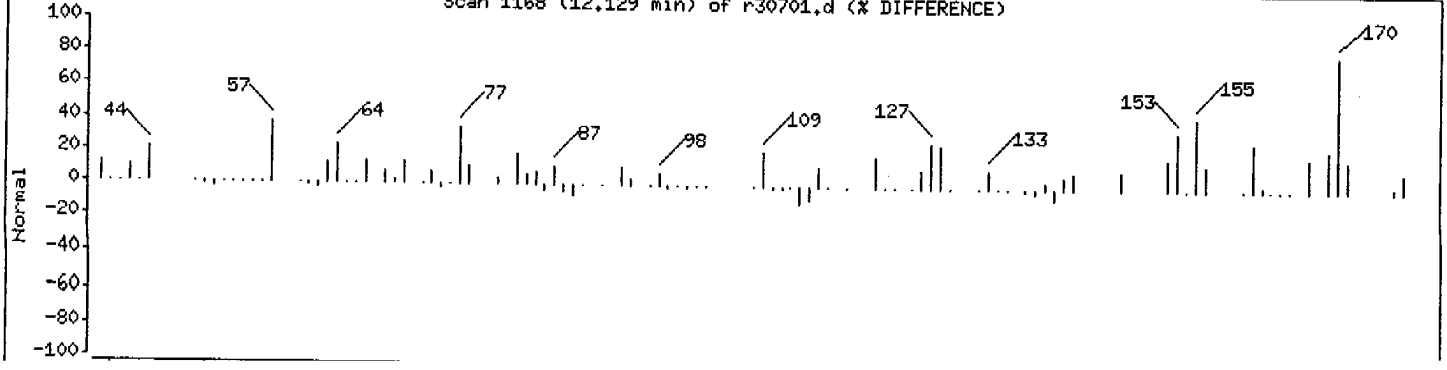
Column phase: DB-5 Column diameter: 0.25

43 Dibenzofuran Concentration: 37 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

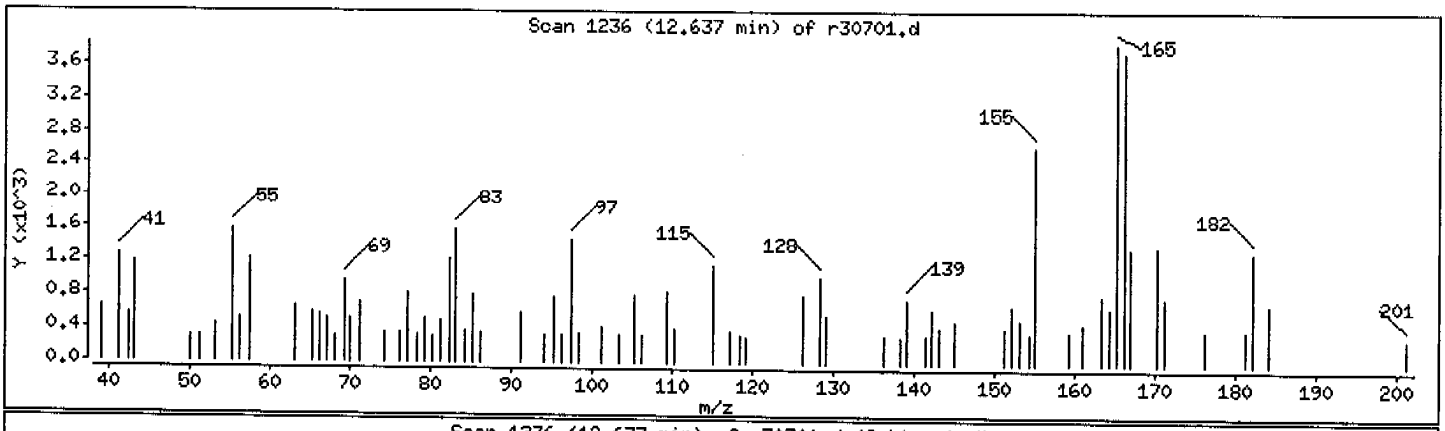
Client ID: B201-SS01 Instrument: BNAMS1.i

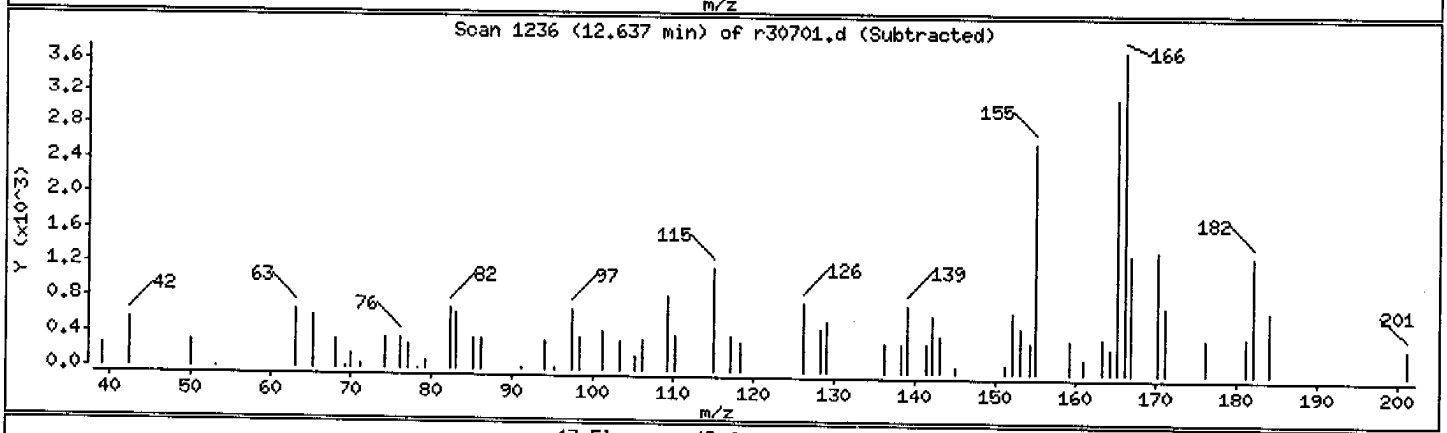
Sample Info: 775267;3280895

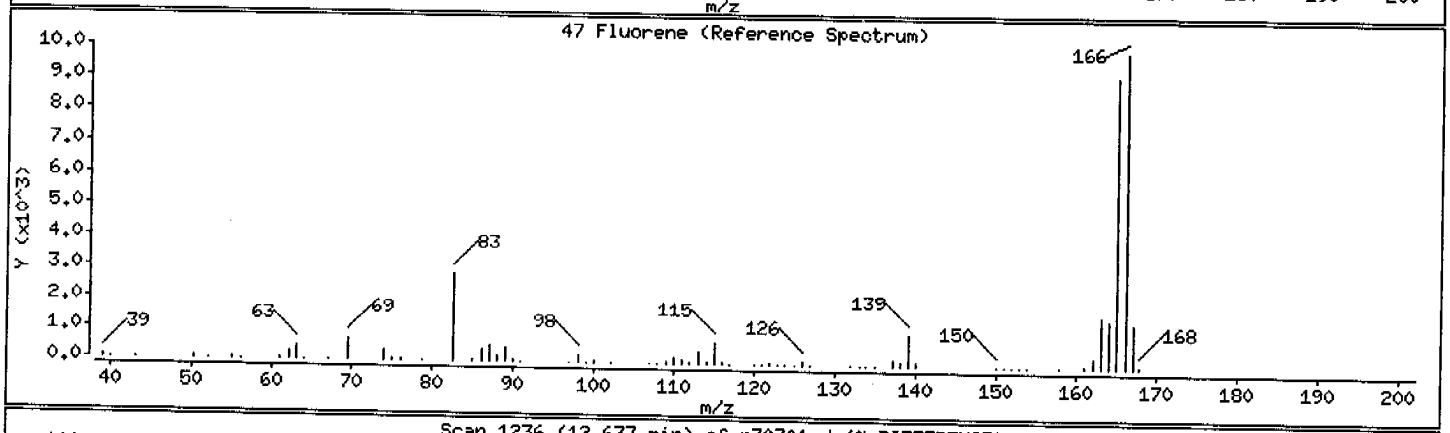
Operator: BNAMS 4

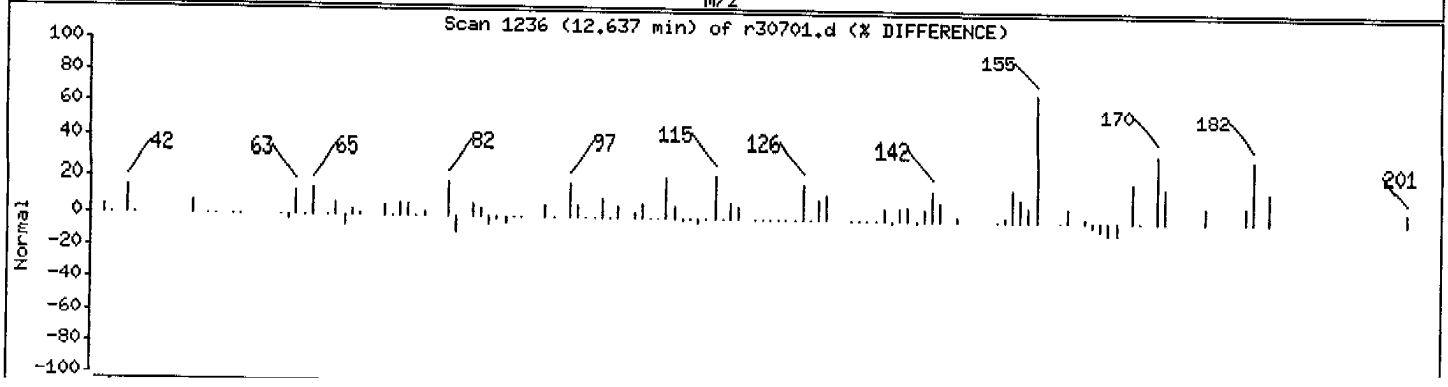
Column phase: DB-5 Column diameter: 0.25

47 Fluorene Concentration: 64 ug/Kg









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Date : 06-OCT-2006 19:06

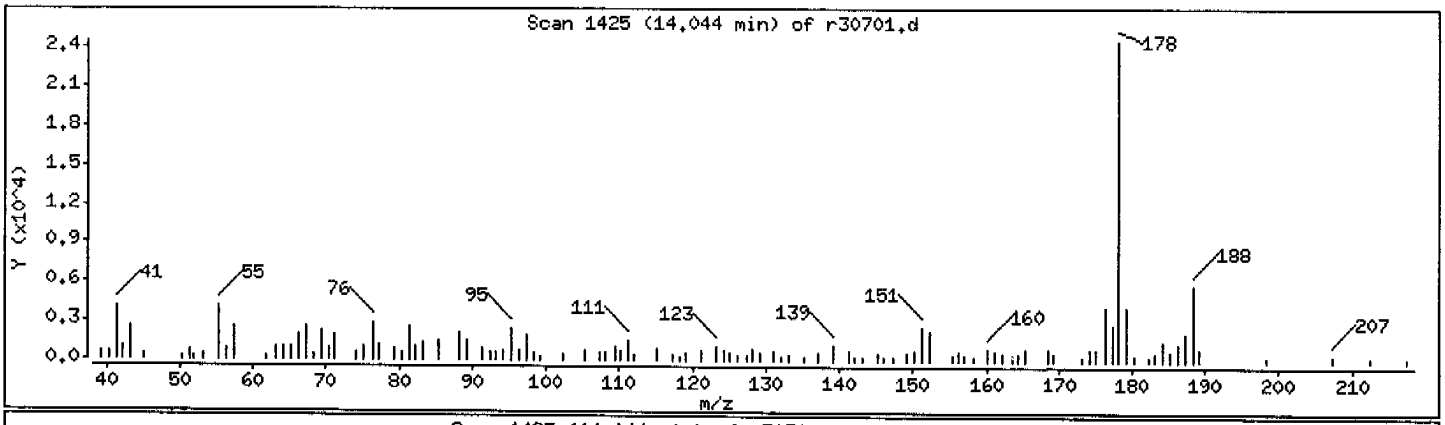
Client ID: B201-SS01 Instrument: BNAMS1.i

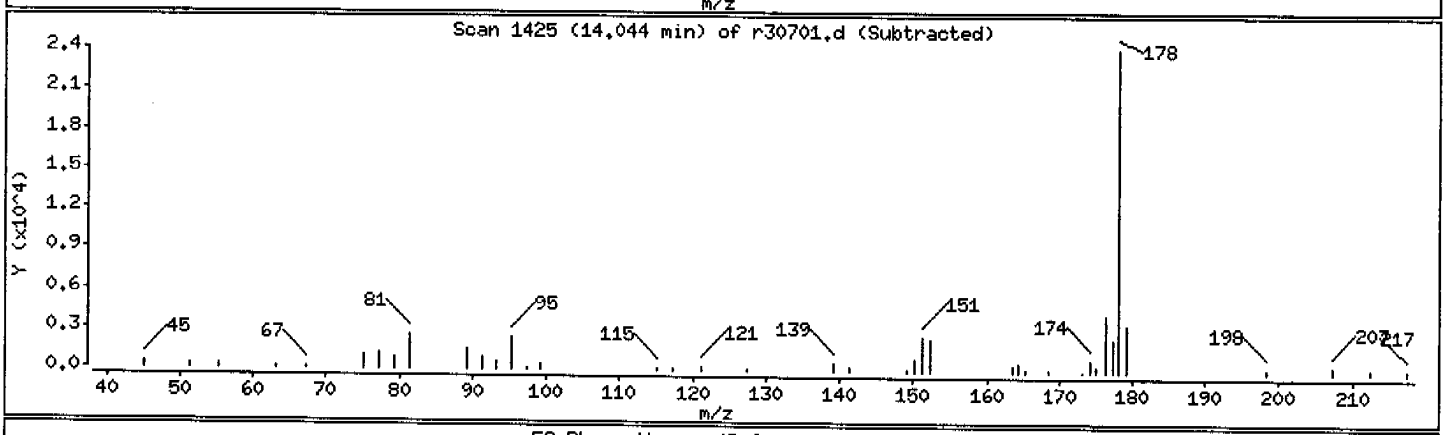
Sample Info: 775267;3280895

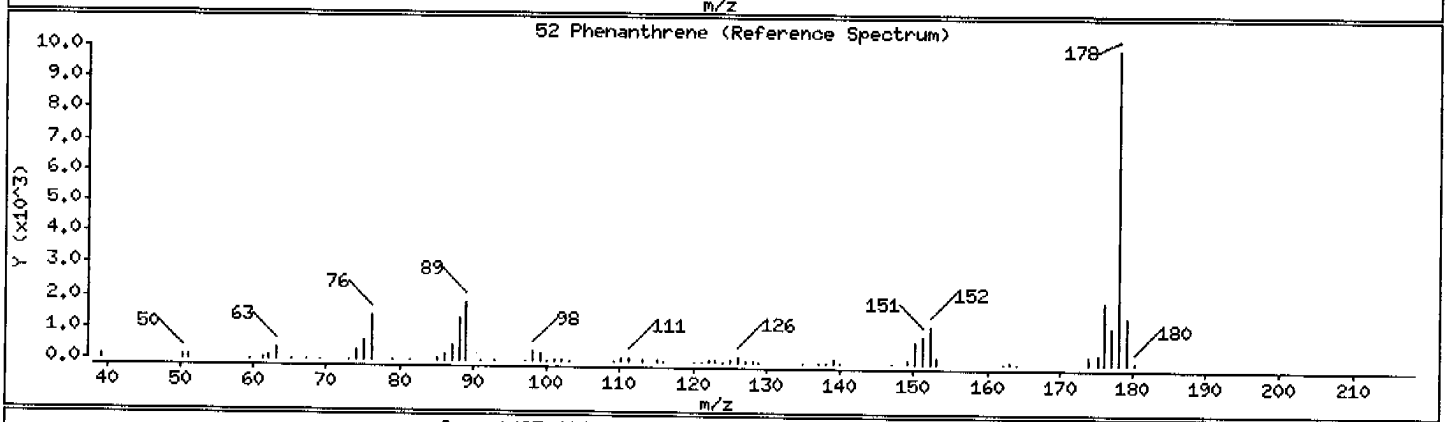
Operator: BNAMS 4

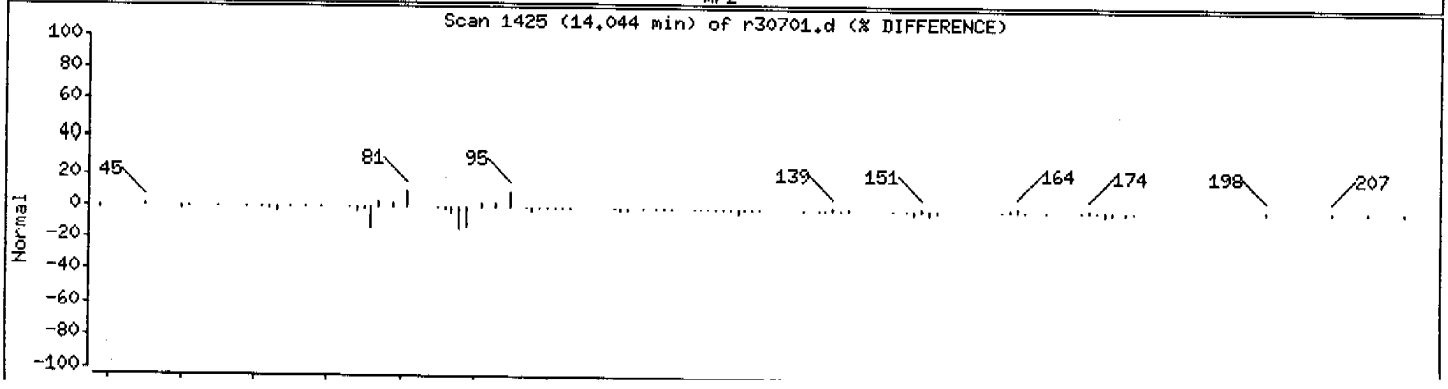
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 310 ug/Kg









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Date : 06-OCT-2006 19:06

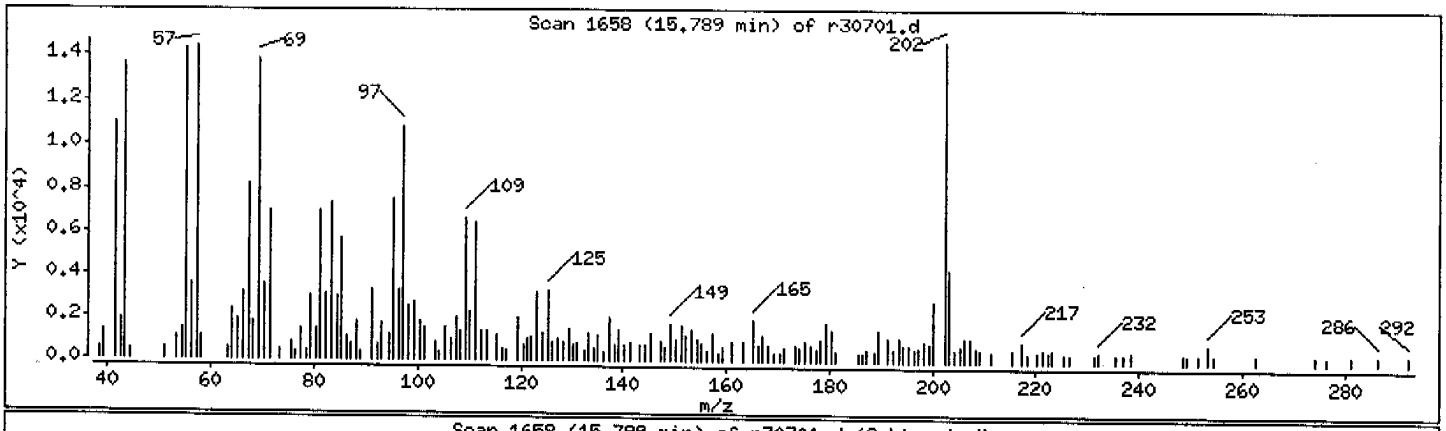
Client ID: B201-SS01 Instrument: BNAMS1.i

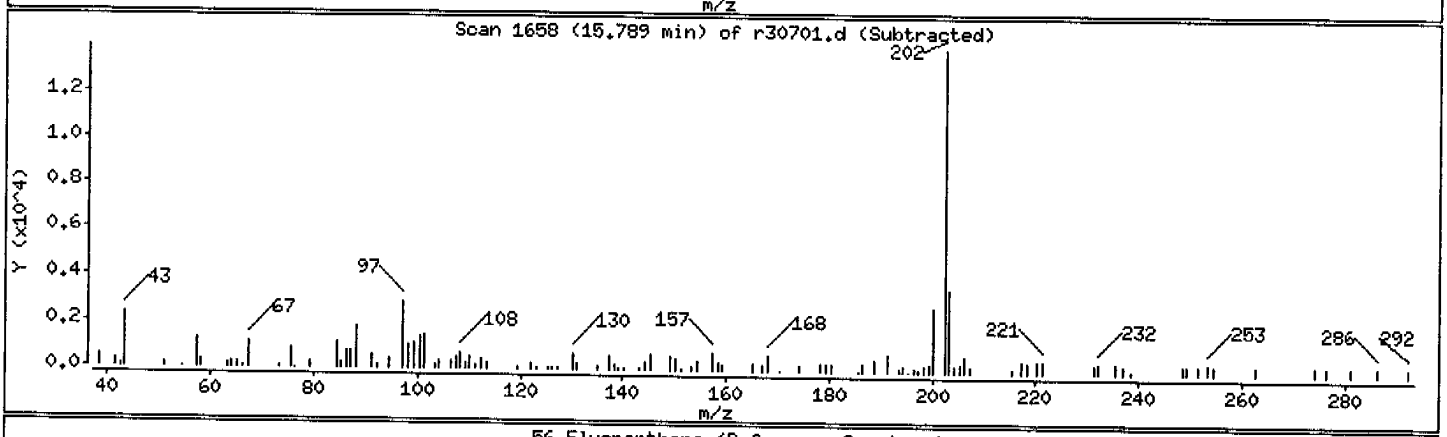
Sample Info: 775267;3280895

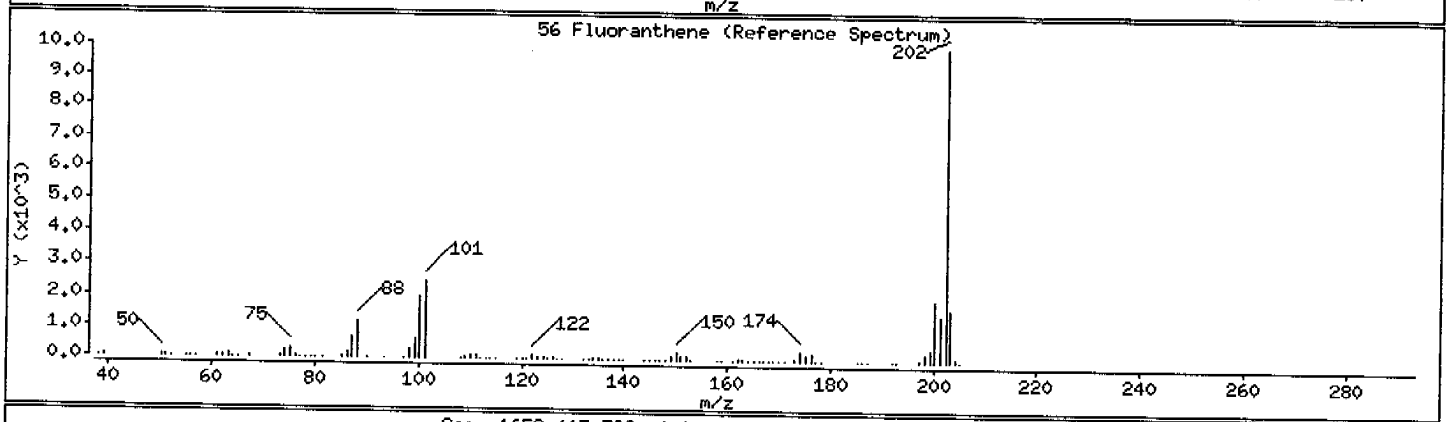
Operator: BNAMS 4

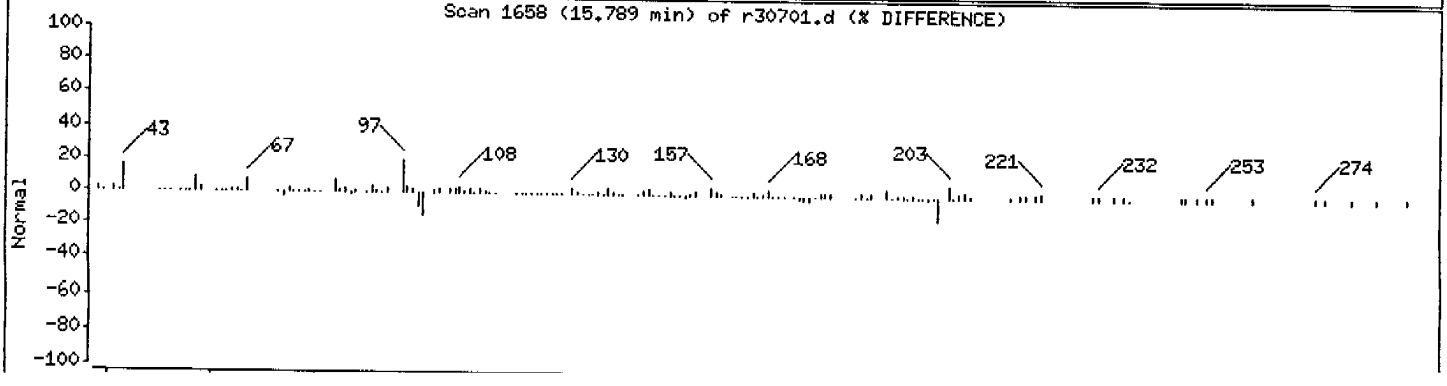
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 230 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

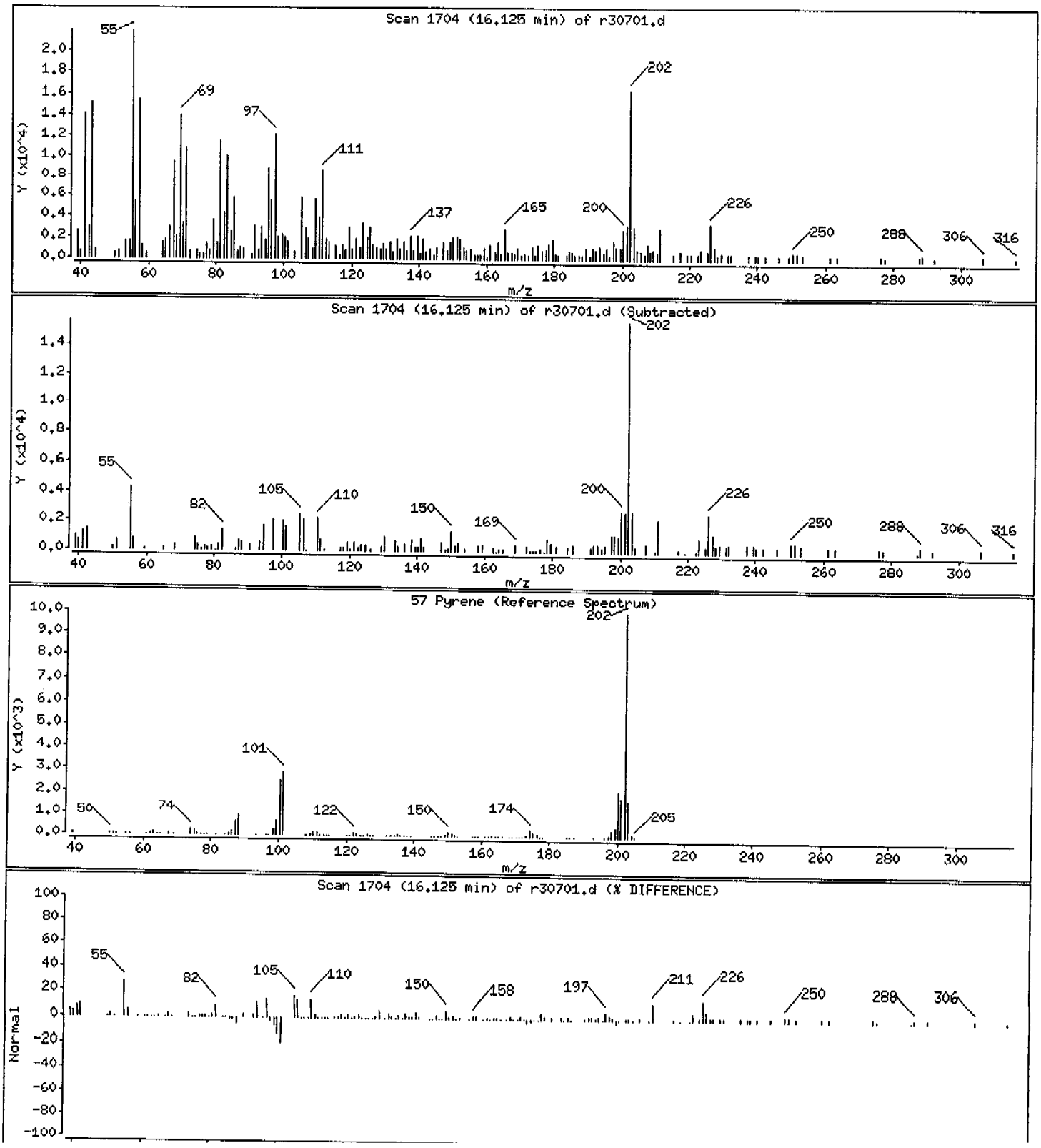
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 510 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

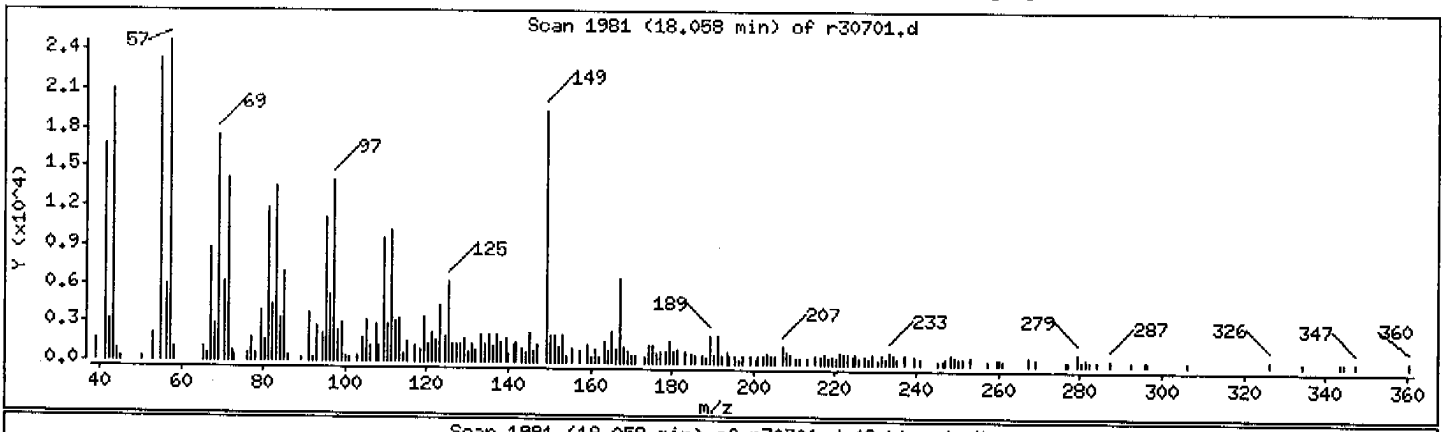
Client ID: B201-SS01 Instrument: BNAMS1.i

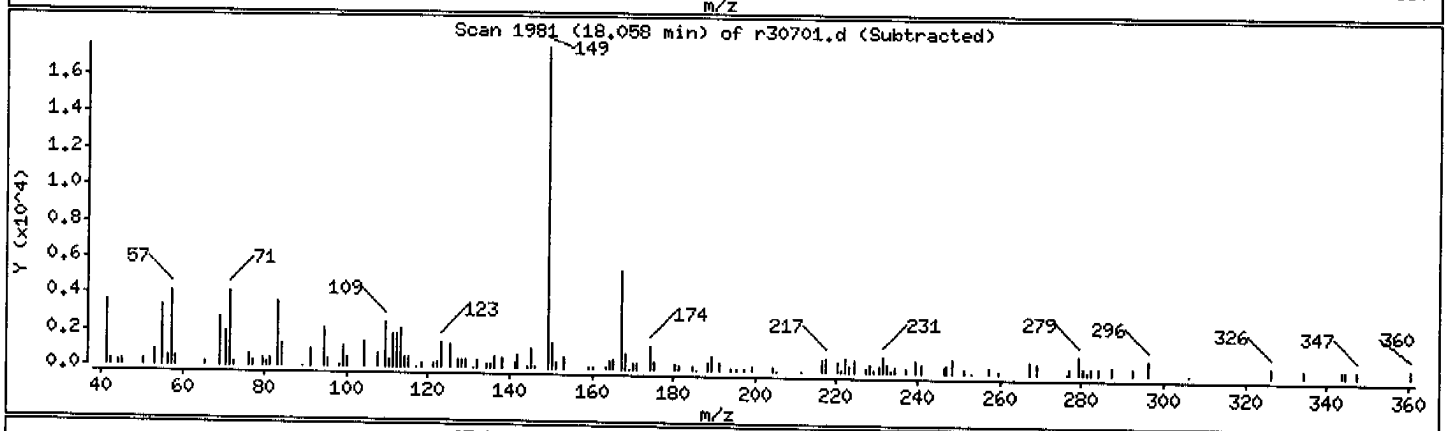
Sample Info: 775267;3280895

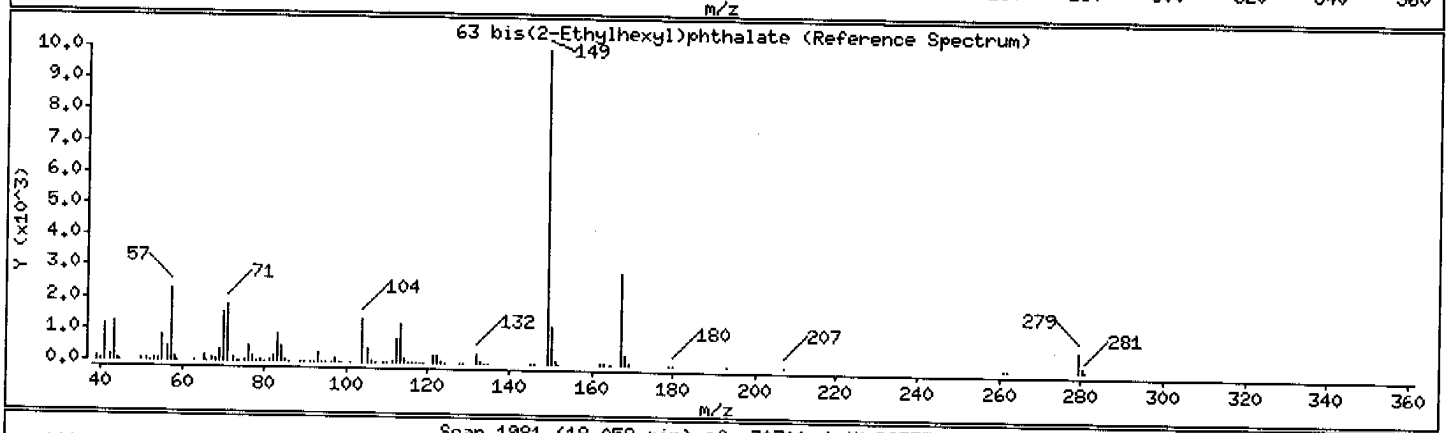
Operator: BNAMS 4

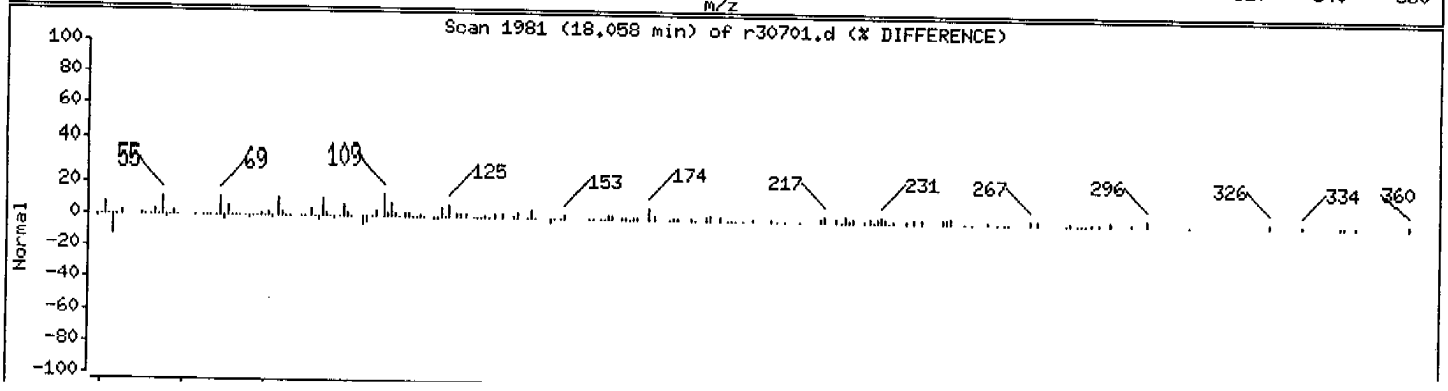
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 1100 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

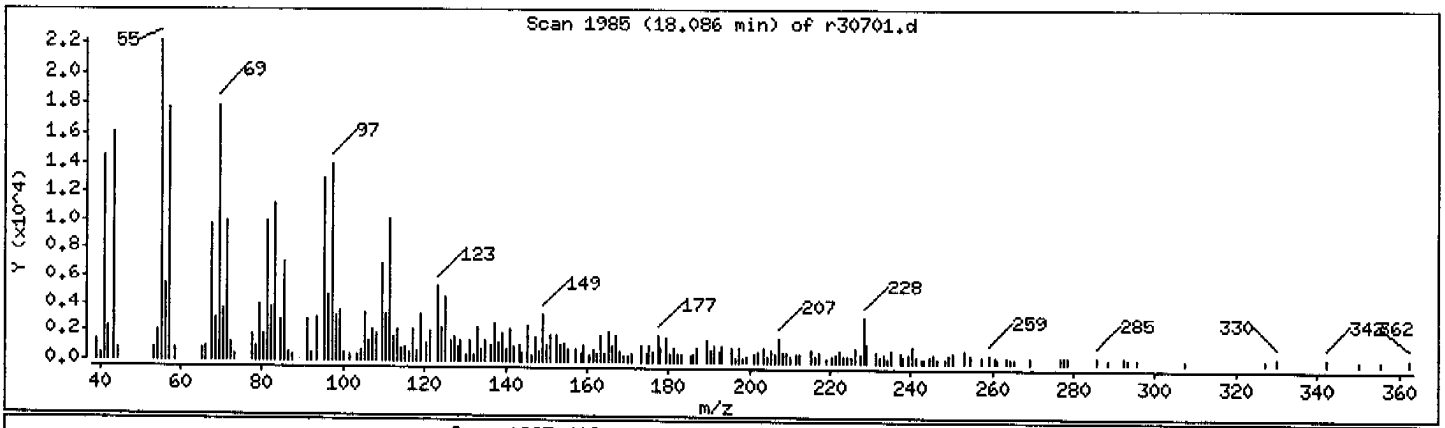
Client ID: B201-SS01 Instrument: BNAMS1.i

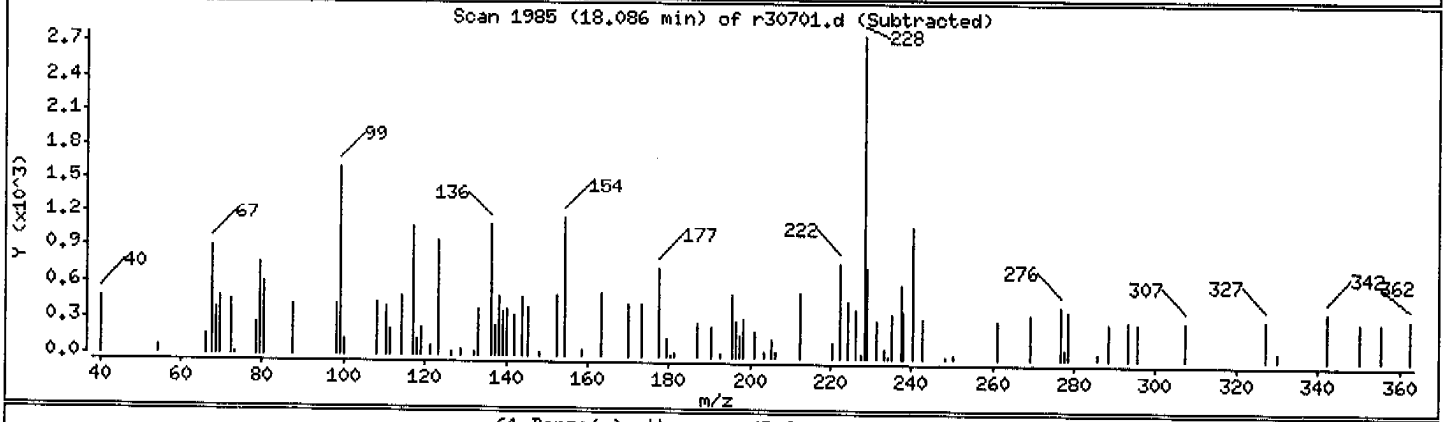
Sample Info: 775267;3280895

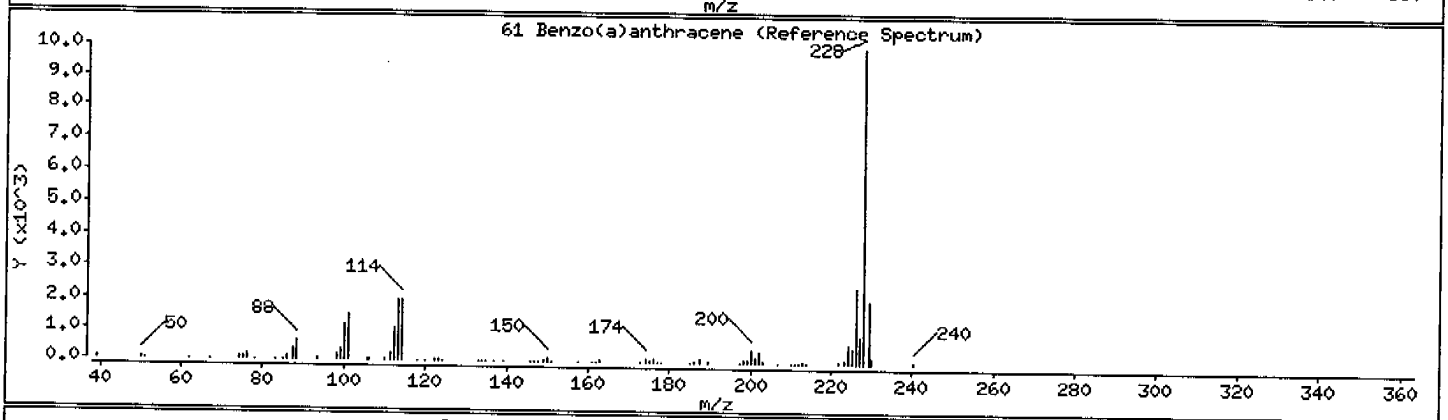
Operator: BNAMS 4

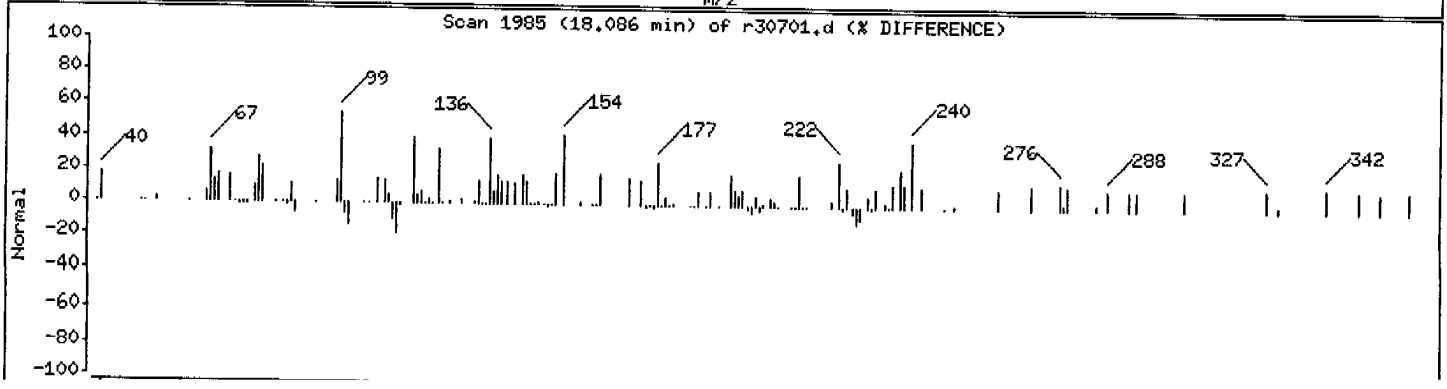
Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 200 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

Client ID: B201-SS01

Instrument: BNAMS1.i

Sample Info: 775267;3280895

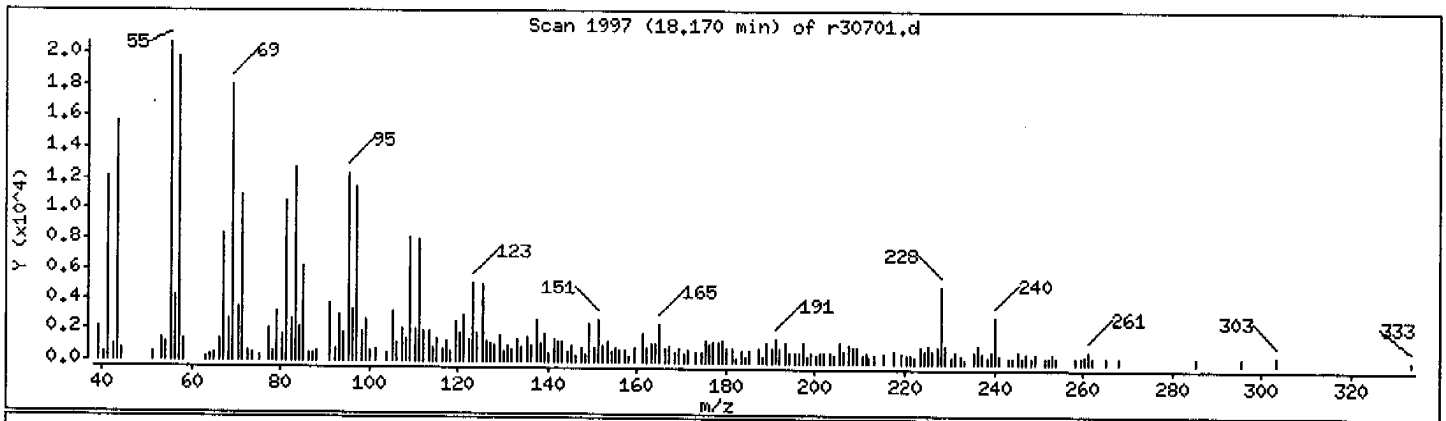
Operator: BNAMS 4

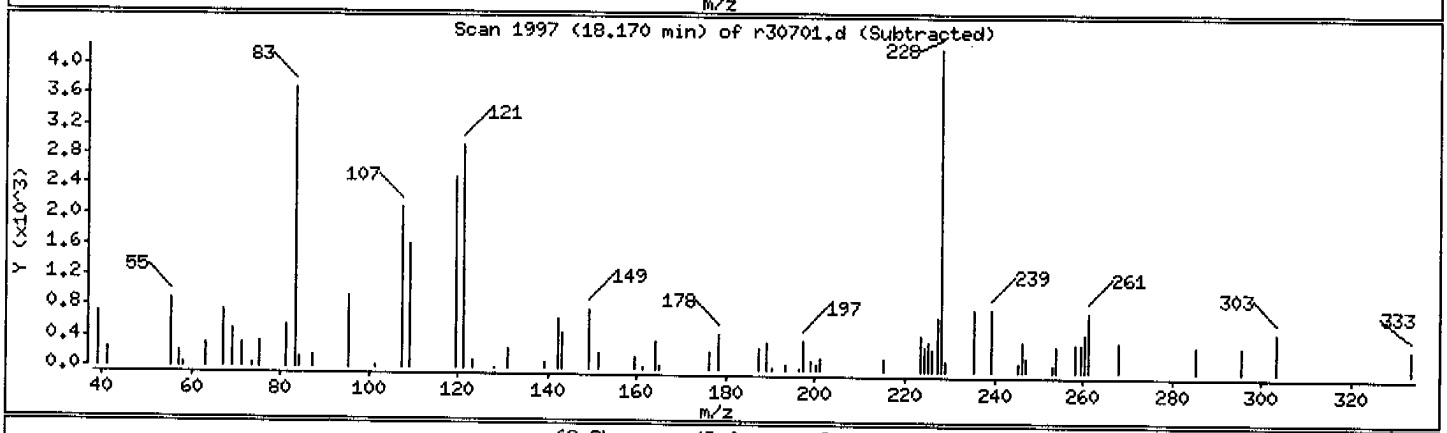
Column phase: DB-5

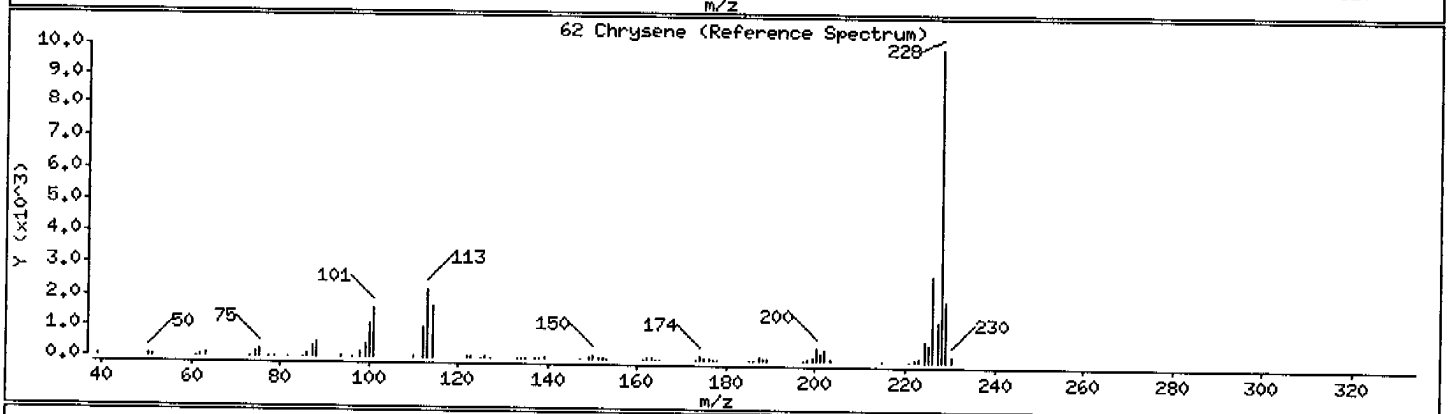
Column diameter: 0.25

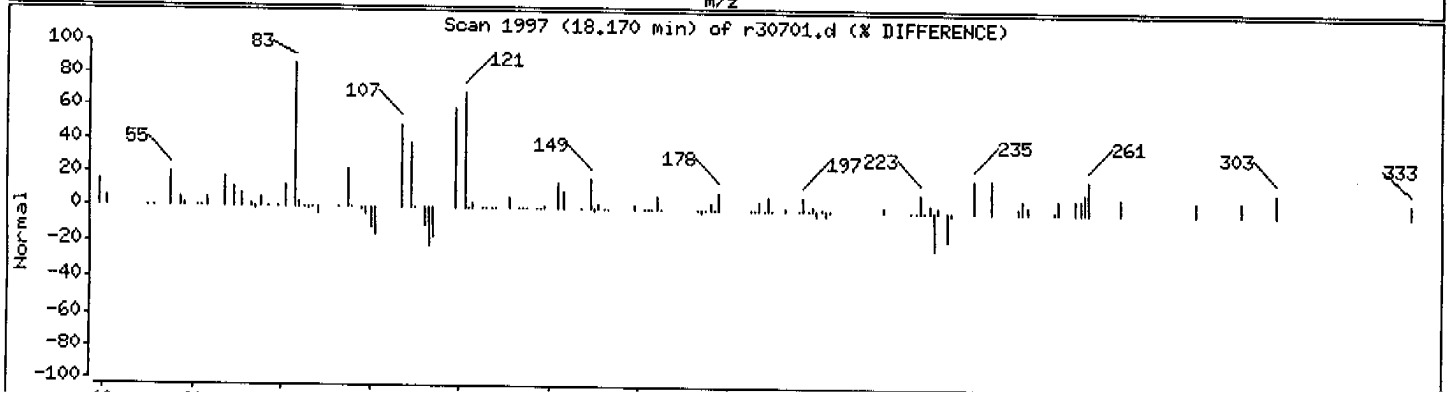
62 Chrysene

Concentration: 350 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

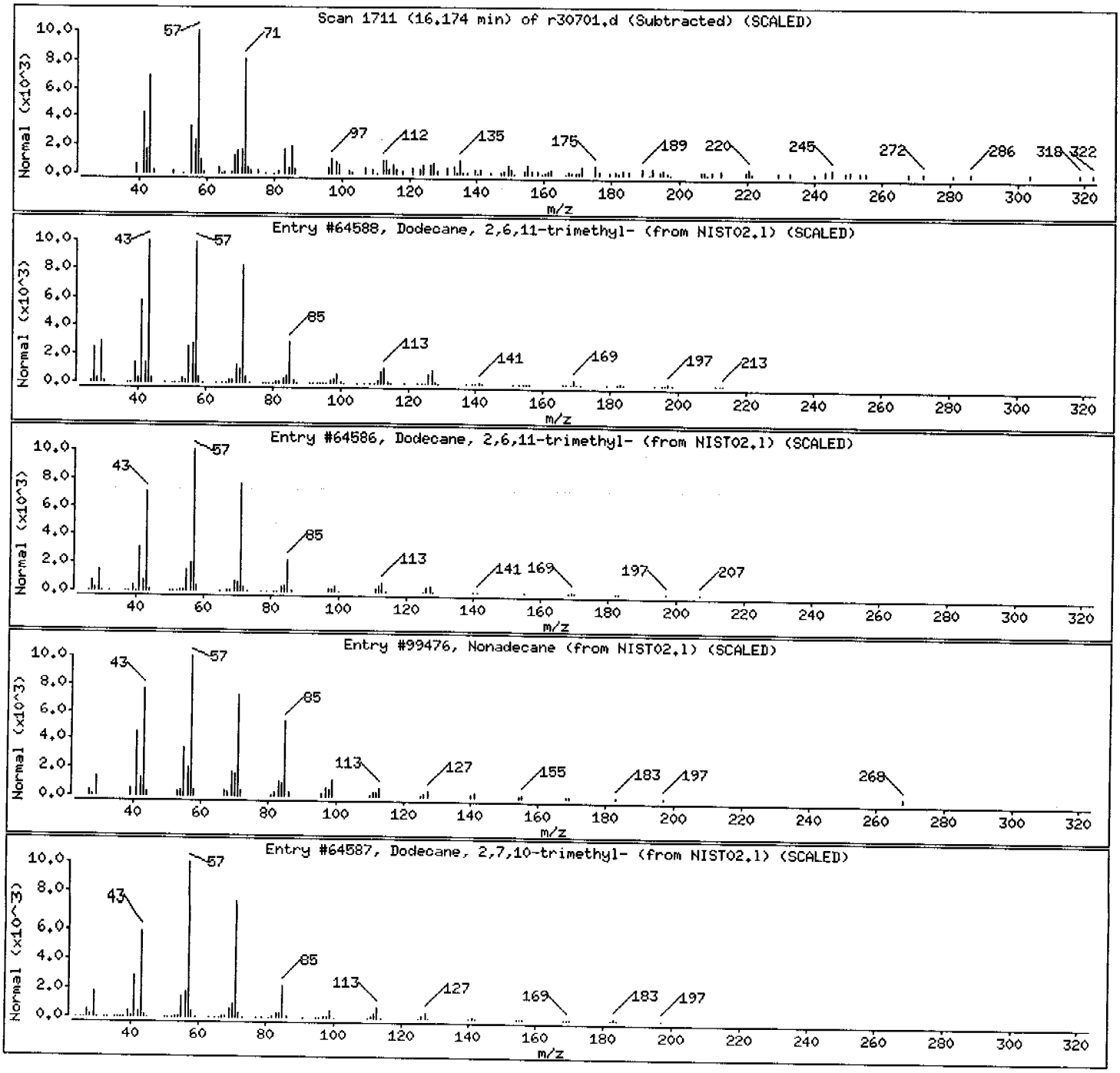
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.1	64588	64	C15H32	212
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.1	64586	64	C15H32	212
Nonadecane	629-92-5	NIST02.1	99476	64	C19H40	268
Dodecane, 2,7,10-trimethyl-	74645-98-0	NIST02.1	64587	53	C15H32	212



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

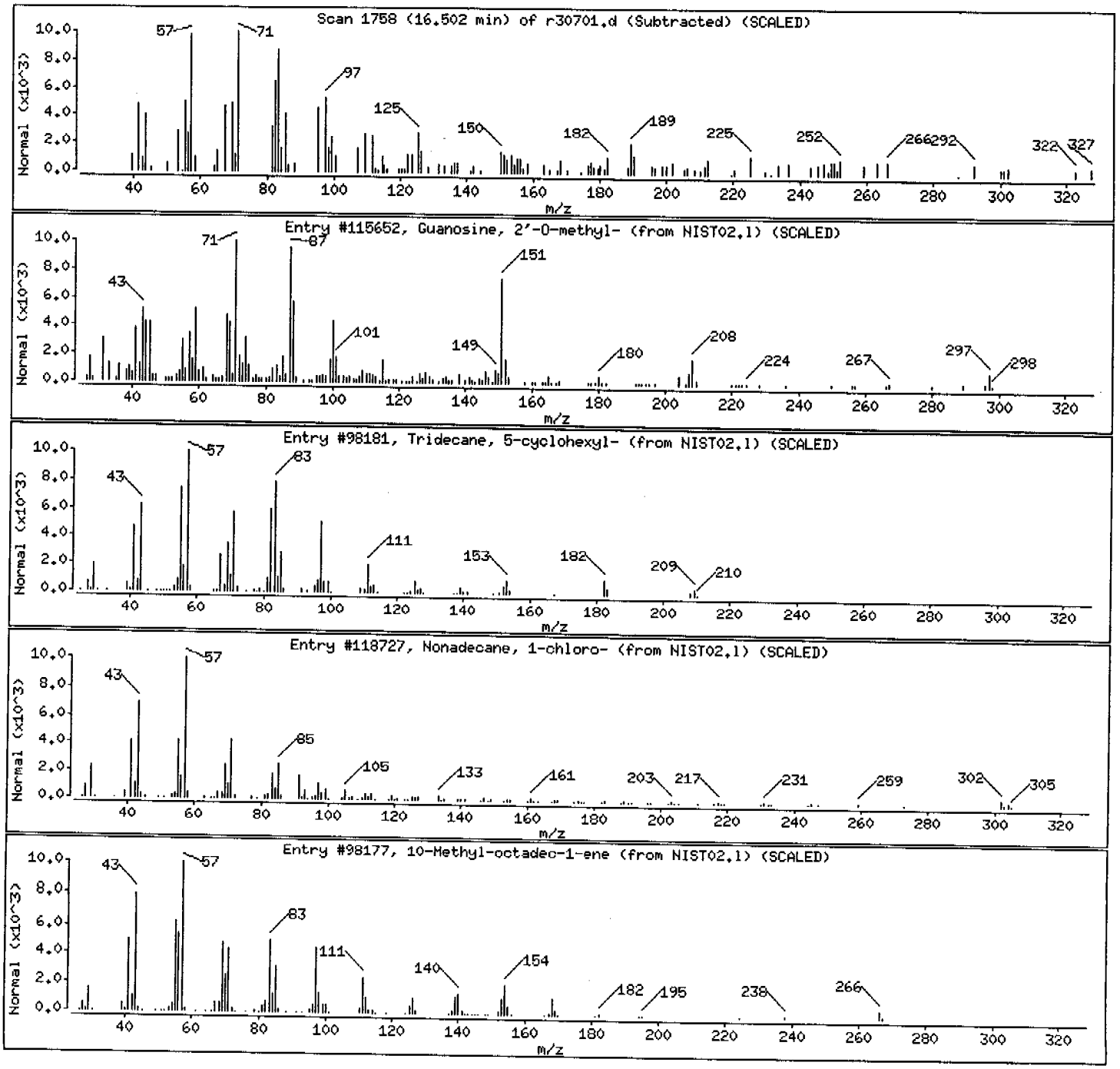
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Guanosine, 2'-O-methyl-	2140-71-8	NIST02.l	115652	53	C11H15N5O5	297
Tridecane, 5-cyclohexyl-	13151-90-1	NIST02.l	98181	46	C19H38	266
Nonadecane, 1-chloro-	62016-76-6	NIST02.l	118727	38	C19H39Cl	302
10-Methyl-octadec-1-ene	1000192-60-5	NIST02.l	98177	38	C19H38	266



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

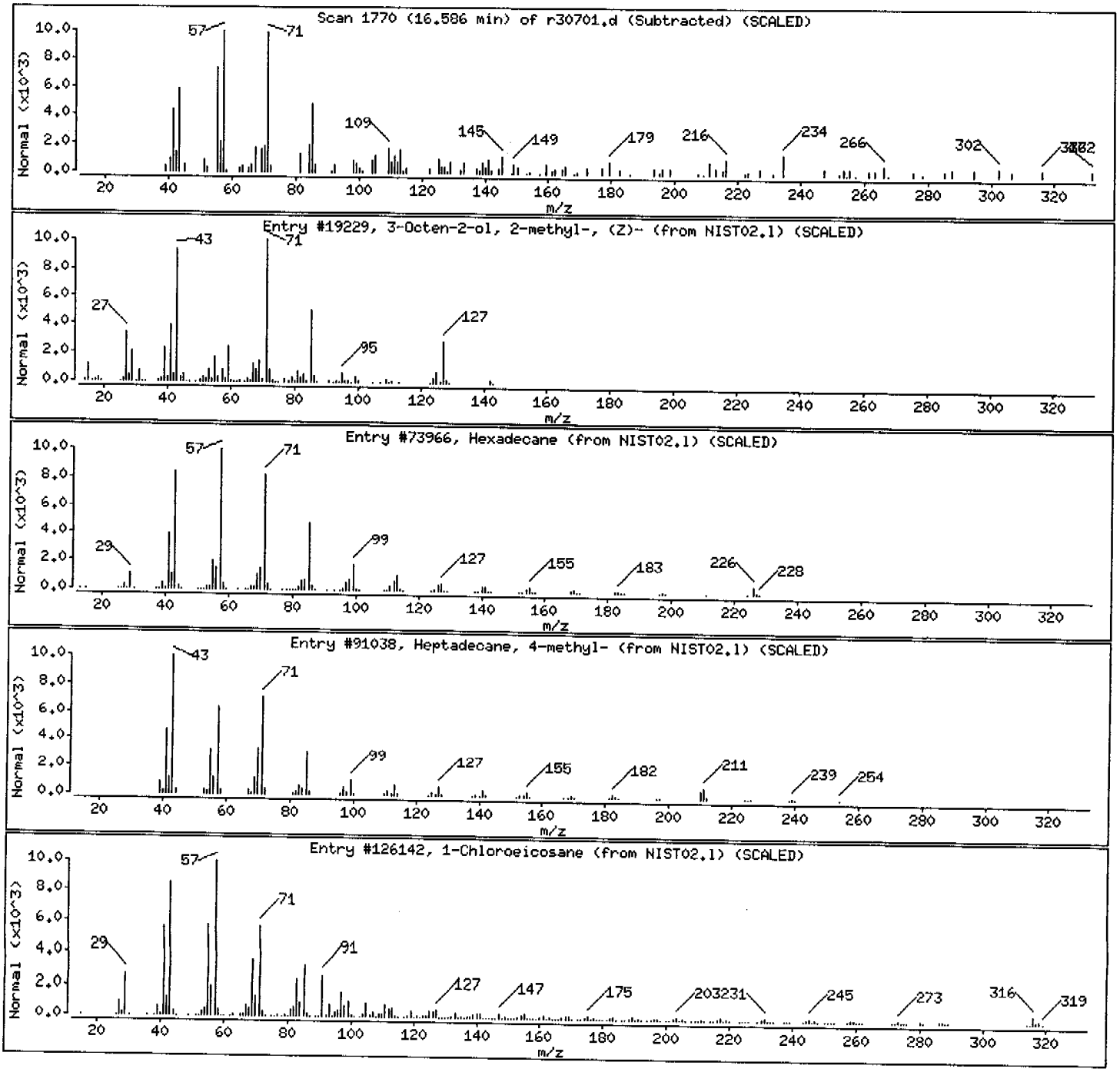
Date : 06-OCT-2006 19:06

Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
3-Octen-2-ol, 2-methyl-, (Z)-	18521-07-8	NIST02.l	19229	52	C9H18O	142
Hexadecane	544-76-3	NIST02.l	73966	52	C16H34	226
Heptadecane, 4-methyl-	26429-11-8	NIST02.l	91038	52	C18H38	254
1-Chloroeicosane	42217-02-7	NIST02.l	126142	45	C20H41Cl	316



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

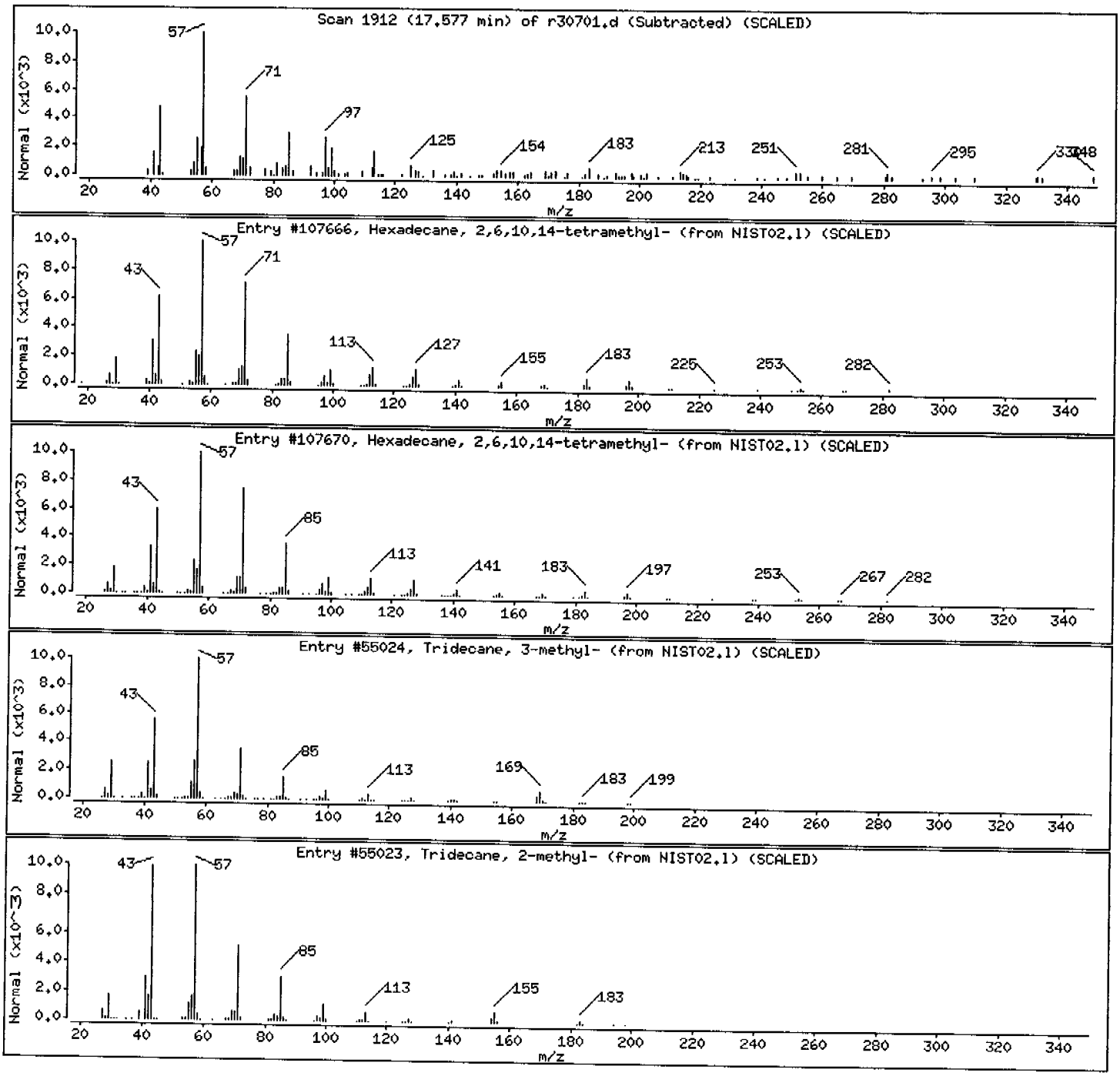
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST02.l	107666	70	C20H42	282
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST02.l	107670	70	C20H42	282
Tridecane, 3-methyl-	6418-41-3	NIST02.l	55024	53	C14H30	198
Tridecane, 2-methyl-	1560-96-9	NIST02.l	55023	52	C14H30	198



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

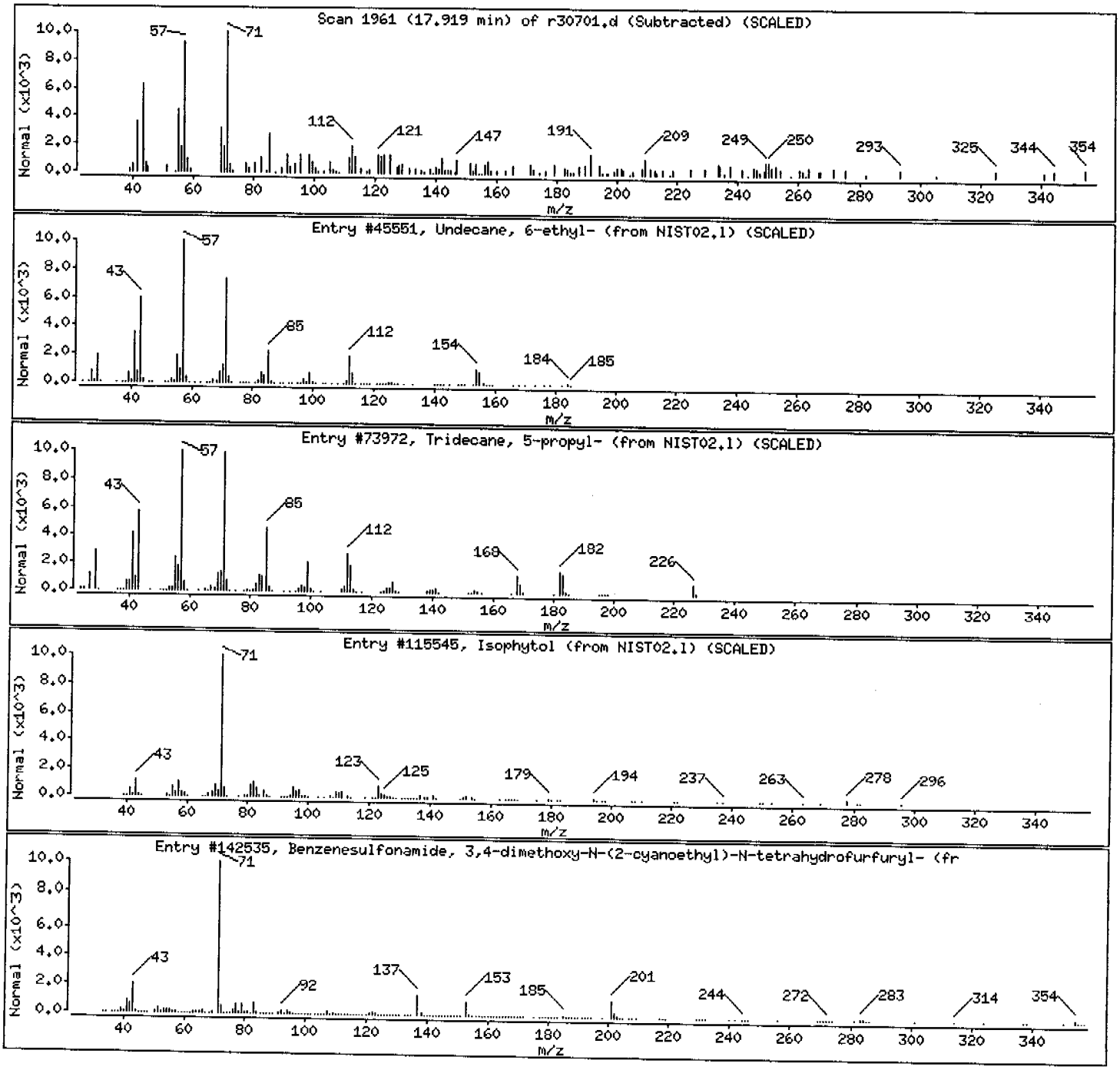
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Undecane, 6-ethyl-	17312-60-6	NIST02.l	45551	64	C13H28	184
Tridecane, 5-propyl-	55045-11-9	NIST02.l	73972	59	C16H34	226
Isophytol	505-32-8	NIST02.l	115545	43	C20H40O	296
Benzenesulfonamide, 3,4-dimethoxy-N-(2-c	185299-49-4	NIST02.l	142535	43	C16H22N2O5S	354



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

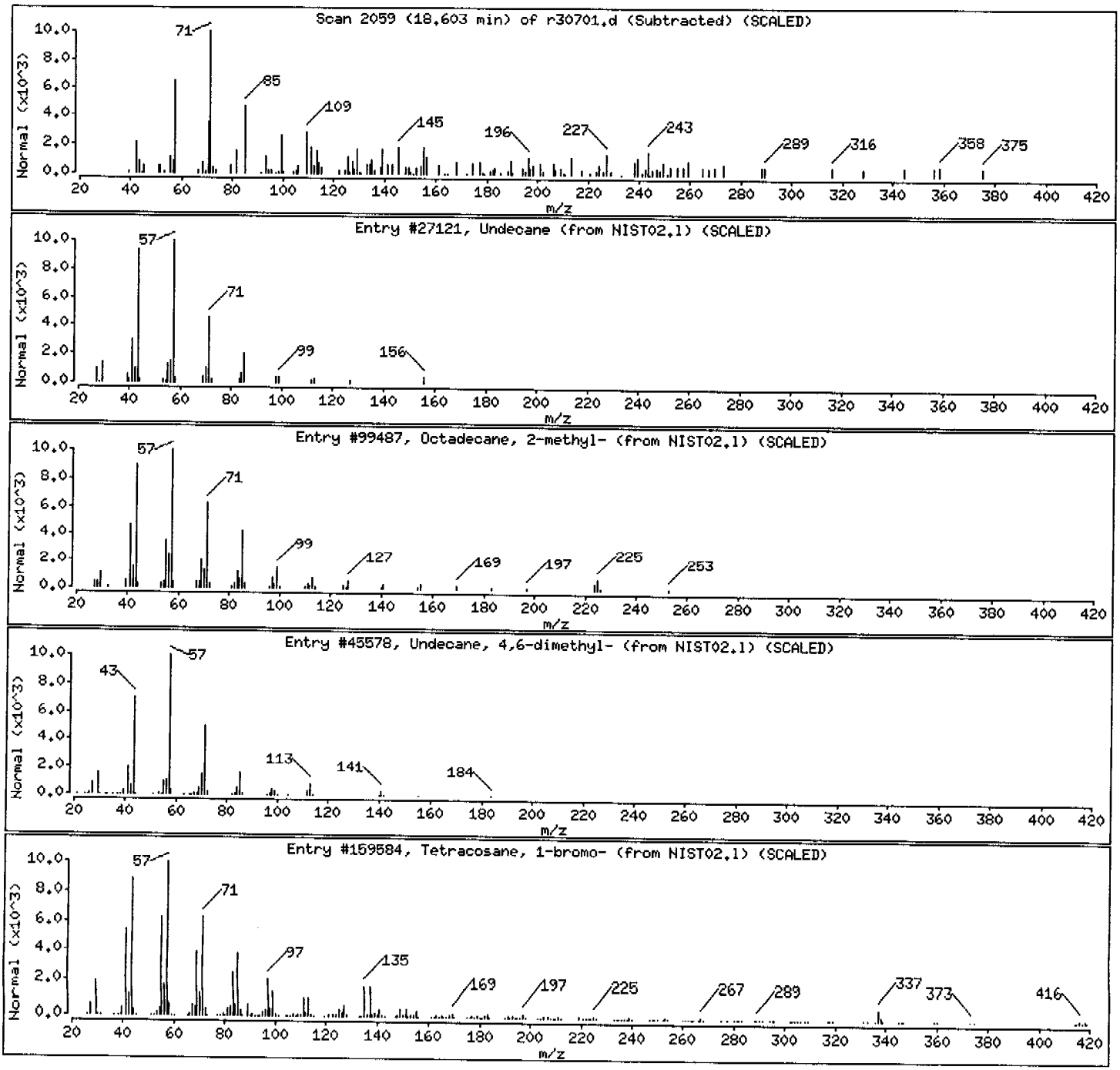
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267:3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Undecane	1120-21-4	NIST02.l	27121	58	C11H24	156
Octadecane, 2-methyl-	1560-88-9	NIST02.l	99487	50	C19H40	268
Undecane, 4,6-dimethyl-	17312-82-2	NIST02.l	45578	47	C13H28	184
Tetracosane, 1-bromo-	6946-24-3	NIST02.l	159584	40	C24H49Br	416



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

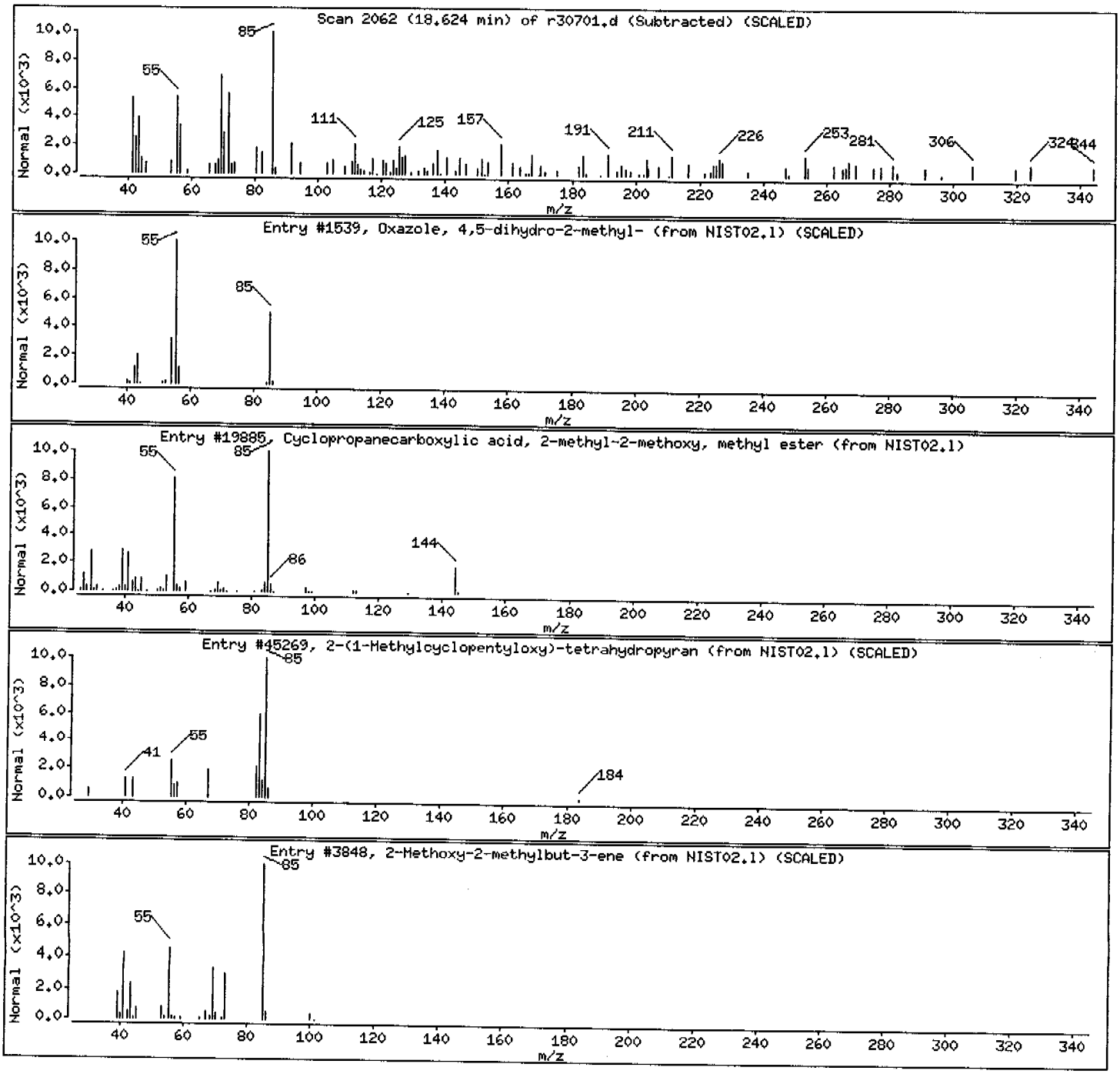
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Oxazole, 4,5-dihydro-2-methyl-	1120-64-5	NIST02.1	1539	30	C4H7NO	85
Cyclopropanecarboxylic acid, 2-methyl-2-	1000222-01-2	NIST02.1	19885	27	C7H12O3	144
2-(1-Methylcyclopentyloxy)-tetrahydropyr	122685-21-6	NIST02.1	45269	27	C11H20O2	184
2-Methoxy-2-methylbut-3-ene	40426-44-6	NIST02.1	3848	27	C6H12O	100



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30701.d

Date : 06-OCT-2006 19:06

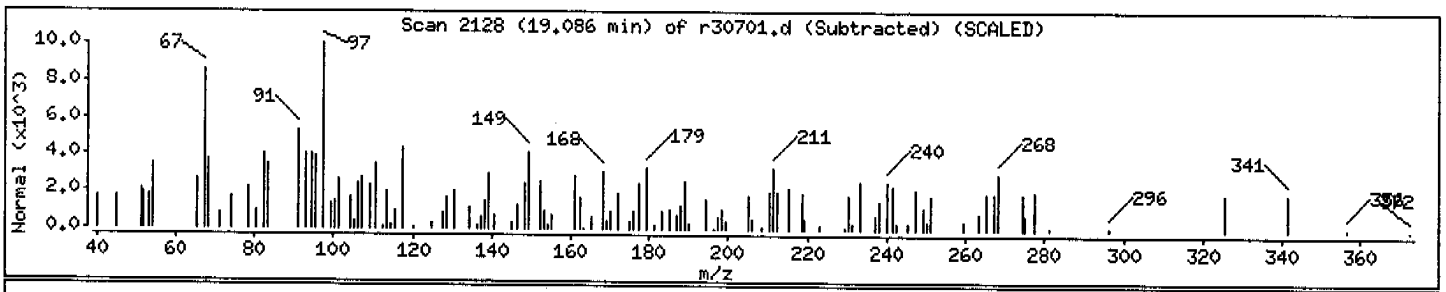
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 06-OCT-2006 19:06

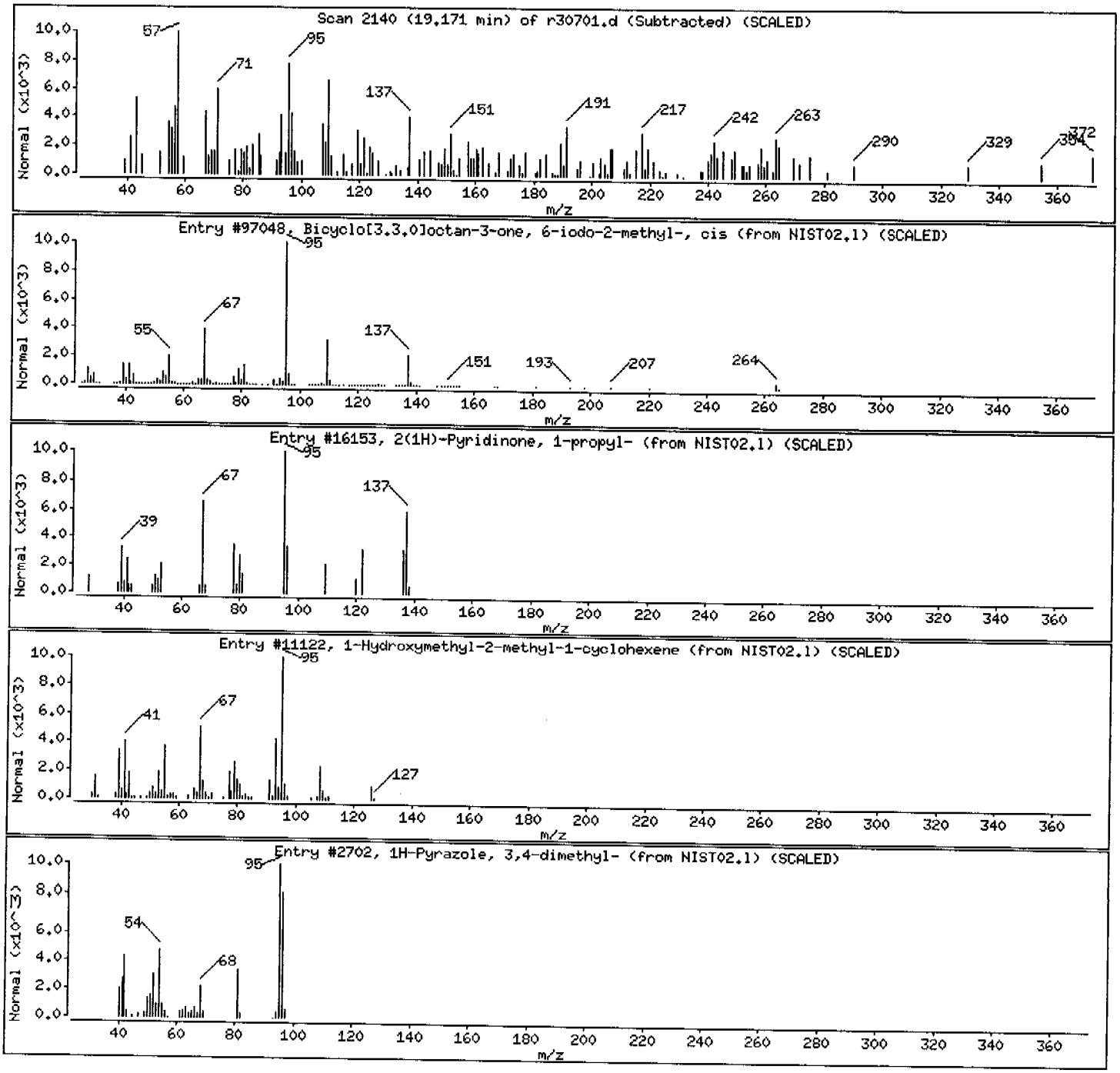
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bicyclo[3.3.0]octan-3-one, 6-iodo-2-meth	1000150-13-4	NIST02.l	97048	43	C9H13IO	264
2(1H)-Pyridinone, 1-propyl-	19006-63-4	NIST02.l	16153	35	C8H11NO	137
1-Hydroxymethyl-2-methyl-1-cyclohexene	29474-11-1	NIST02.l	11122	35	C8H14O	126
1H-Pyrazole, 3,4-dimethyl-	2820-37-3	NIST02.l	2702	30	C5H8N2	96



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Date : 06-OCT-2006 19:06

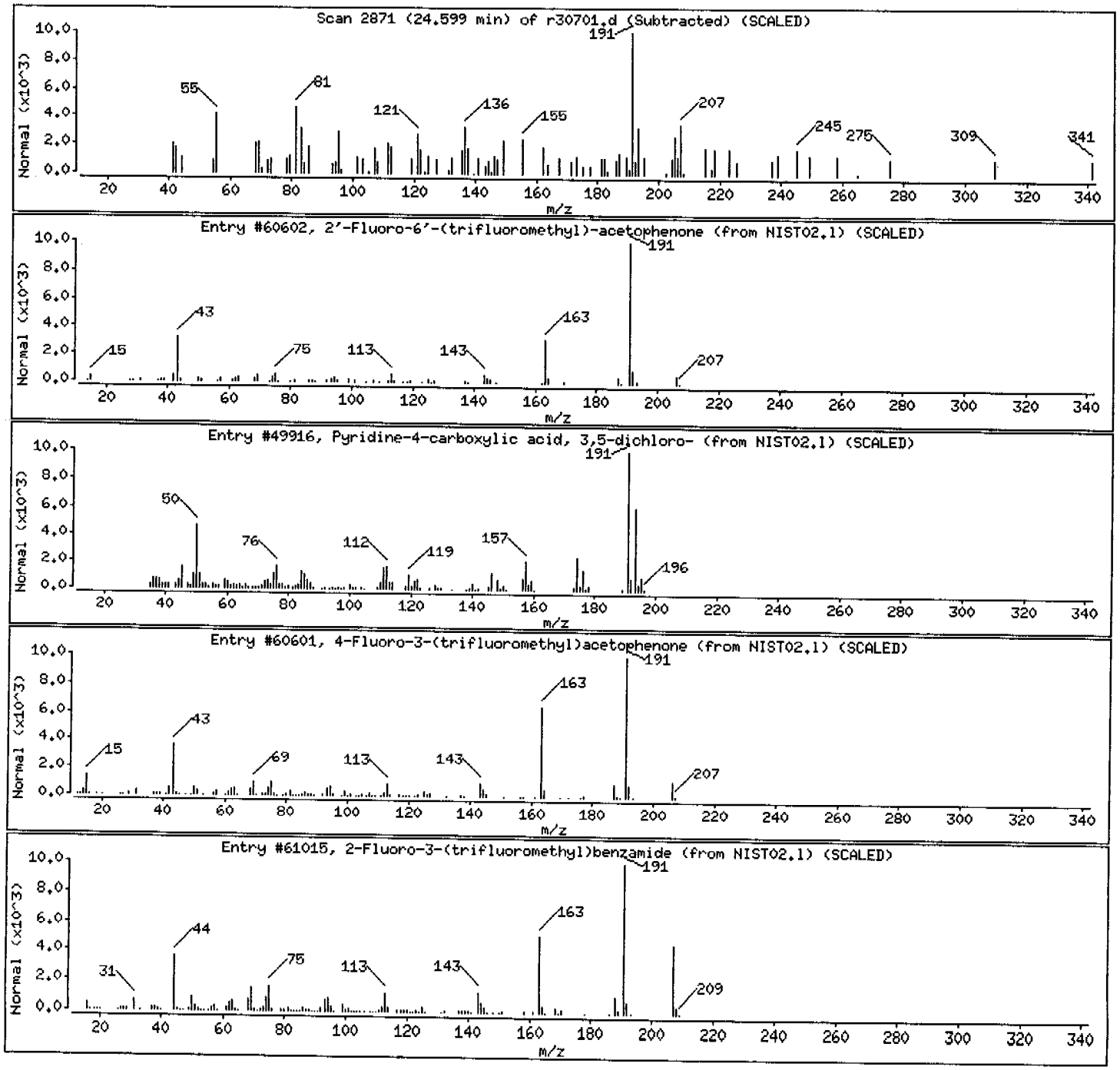
Client ID: B201-SS01 Instrument: BNAMS1.i

Sample Info: 775267;3280895

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2'-Fluoro-6'-(trifluoromethyl)-acetophen	174013-29-7	NIST02.l	60602	43	C9H6F4O	206
Pyridine-4-carboxylic acid, 3,5-dichloro	13958-93-5	NIST02.l	49916	38	C6H3Cl2NO2	191
4-Fluoro-3-(trifluoromethyl)acetophenone	208173-24-4	NIST02.l	60601	38	C9H6F4O	206
2-Fluoro-3-(trifluoromethyl)benzamide	207853-60-9	NIST02.l	61015	37	C8H5F4NO	207



Client ID: **B201-SS02**
Site: Sun Chemical SI

Lab Sample No: **775268**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30733.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	22 J	37
Naphthalene	35 J	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	74
2-Methylnaphthalene	25 J	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	740
Dimethylphthalate	ND	370
Acenaphthylene	71 J	370
2,6-Dinitrotoluene	ND	74
3-Nitroaniline	ND	740
Acenaphthene	17 J	370
Dibenzofuran	18 J	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	21 J	370
4-Nitroaniline	ND	740
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	280 J	370
Anthracene	82 J	370

Client ID: **B201-SS02**
Site: Sun Chemical SI

Lab Sample No: **775268**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30733.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	31 J	370
Di-n-butylphthalate	ND	370
Fluoranthene	420	370
Pyrene	630	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	90 J	740
Benzo(a)anthracene	310	37
Chrysene	330 J	370
bis(2-Ethylhexyl)phthalate	440	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	360	37
Benzo(k)fluoranthene	ND	37
Benzo(a)pyrene	300	37
Indeno(1,2,3-cd)pyrene	74	37
Dibenz(a,h)anthracene	ND	37
Benzo(g,h,i)perylene	90 J	370

Client ID: **B201-SS02**
Site: Sun Chemical SI

Lab Sample No: **775268**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30733.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Aniline	7.08	400	
2.	Benzenamine, 2-methoxy-	9.10	370	
3.	Unknown	12.29	340	
4.	2-Propanol, 1-chloro-, phosphate (3:1)	13.83	2000	
5.	Unknown	13.89	750	
6.	Unknown Organic Acid	15.88	490	
7.	Unknown	17.54	320	
8.	Unknown	18.89	330	
9.	Unknown Alkane	20.52	1100	
10.	C20H12 PAH	20.64	1100	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 7200

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d
Report Date: 10-Oct-2006 11:57

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d
Lab Smp Id: 775268 Client Smp ID: B201-SS02
Inj Date : 09-OCT-2006 16:55
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775268;3280897
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/8270C6-1.m
Meth Date : 10-Oct-2006 10:02 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	9.90000	% Moisture

Cpnd Variable Local Compound Variable

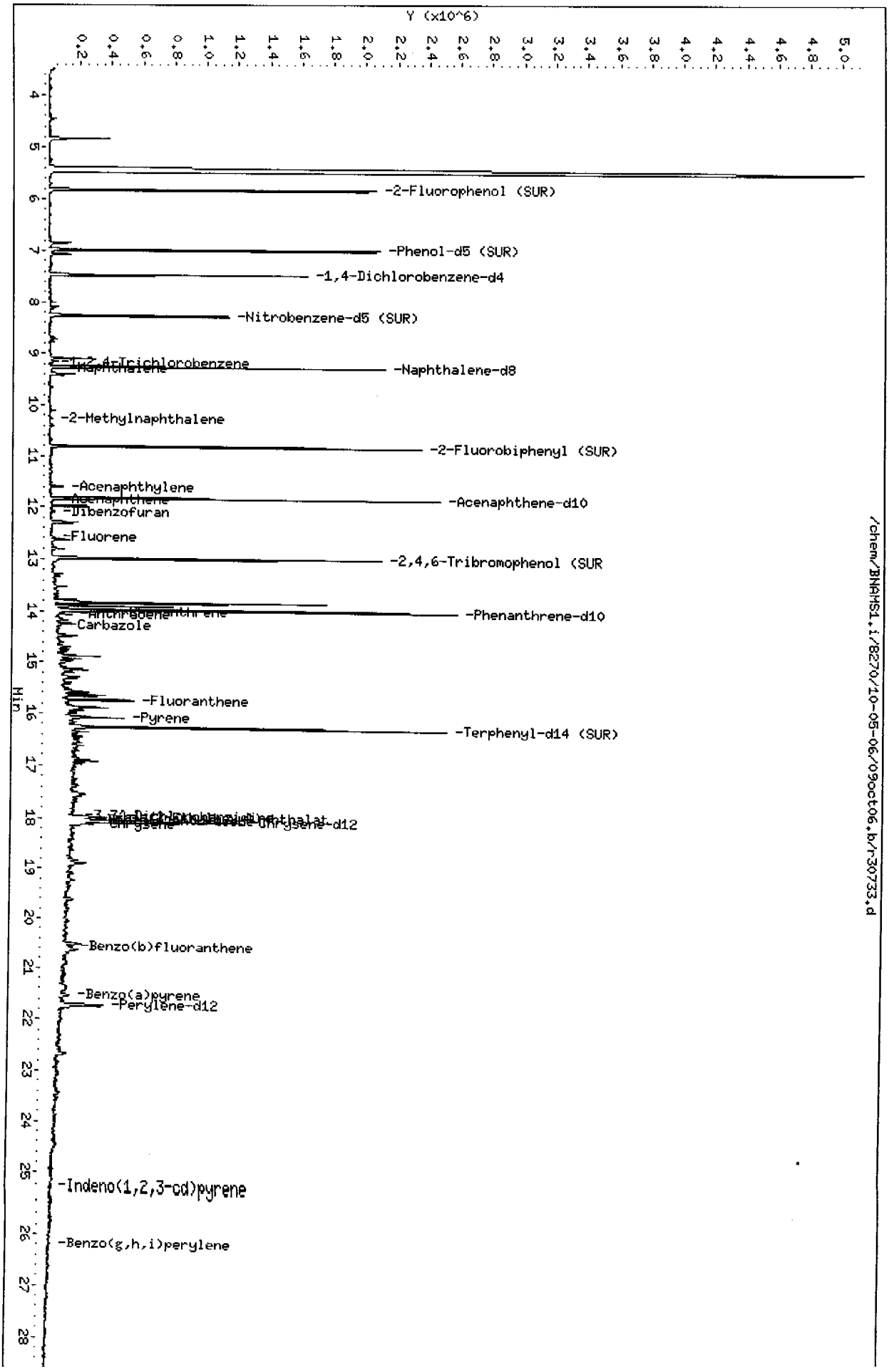
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.822	5.793	(0.779)	881086	71.1321	5300
$ 17 Phenol-d5 (SUR)	99	6.986	6.977	(0.935)	1150302	74.7063	5500
* 79 1,4-Dichlorobenzene-d4	152	7.470	7.468	(1.000)	330736	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.274	8.266	(0.893)	506281	37.3056	2800
30 1,2,4-Trichlorobenzene	180	9.194	9.191	(0.993)	3388	0.29356	22(a)
* 80 Naphthalene-d8	136	9.261	9.259	(1.000)	1324012	40.0000	
31 Naphthalene	128	9.291	9.289	(1.003)	15719	0.47499	35(a)
34 2-Methylnaphthalene	142	10.271	10.269	(1.109)	7695	0.33247	25(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.807	10.811	(0.914)	1076105	39.0998	2900
39 Acenaphthylene	152	11.601	11.602	(0.981)	36988	0.95860	71(a)
* 82 Acenaphthene-d10	164	11.822	11.817	(1.000)	923816	40.0000	
42 Acenaphthene	154	11.867	11.867	(1.004)	5305	0.22621	17(a)
43 Dibenzofuran	168	12.091	12.091	(1.023)	8777	0.24057	18(a)
47 Fluorene	166	12.589	12.597	(1.065)	8430	0.28466	21(a)

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d
Report Date: 10-Oct-2006 11:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$	18 2,4,6-Tribromophenol (SUR)	330	12.984	12.977	(1.098)	319928	62.9748	4600
*	83 Phenanthrene-d10	188	13.970	13.966	(1.000)	1330302	40.0000	
	52 Phenanthrene	178	14.000	14.004	(1.002)	146871	3.72903	280(a)
	53 Anthracene	178	14.060	14.064	(1.006)	43660	1.10866	82(a)
	54 Carbazole	167	14.291	14.288	(1.023)	15454	0.41557	31(a)
	56 Fluoranthene	202	15.744	15.740	(1.127)	229780	5.69075	420
	57 Pyrene	202	16.075	16.083	(0.890)	203373	8.53996	630
$	78 Terphenyl-d14 (SUR)	244	16.268	16.254	(0.900)	990228	60.6547	4500
	60 3,3'-Dichlorobenzidine	252	17.963	17.972	(0.994)	10475	1.21652	90(a)
	63 bis(2-Ethylhexyl)phthalate	149	17.992	17.986	(0.996)	116279	5.96425	440
	61 Benzo(a)anthracene	228	18.028	18.030	(0.998)	86016	4.20797	310
*	81 Chrysene-d12	240	18.069	18.068	(1.000)	742995	40.0000	
	62 Chrysene	228	18.111	18.129	(1.002)	85533	4.49025	330(a)
	65 Benzo(b)fluoranthene	252	20.587	20.605	(0.947)	47275	4.81223	360
	67 Benzo(a)pyrene	252	21.529	21.560	(0.991)	33782	4.08786	300
*	84 Perylene-d12	264	21.731	21.740	(1.000)	257492	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.225	25.270	(1.161)	8215	1.00263	74(H)
	70 Benzo(g,h,i)perylene	276	26.187	26.271	(1.205)	8671	1.21483	90(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d
Date : 09-OCT-2006 16:55
Client ID: B201-SS02
Sample Info: 775268;3280897
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

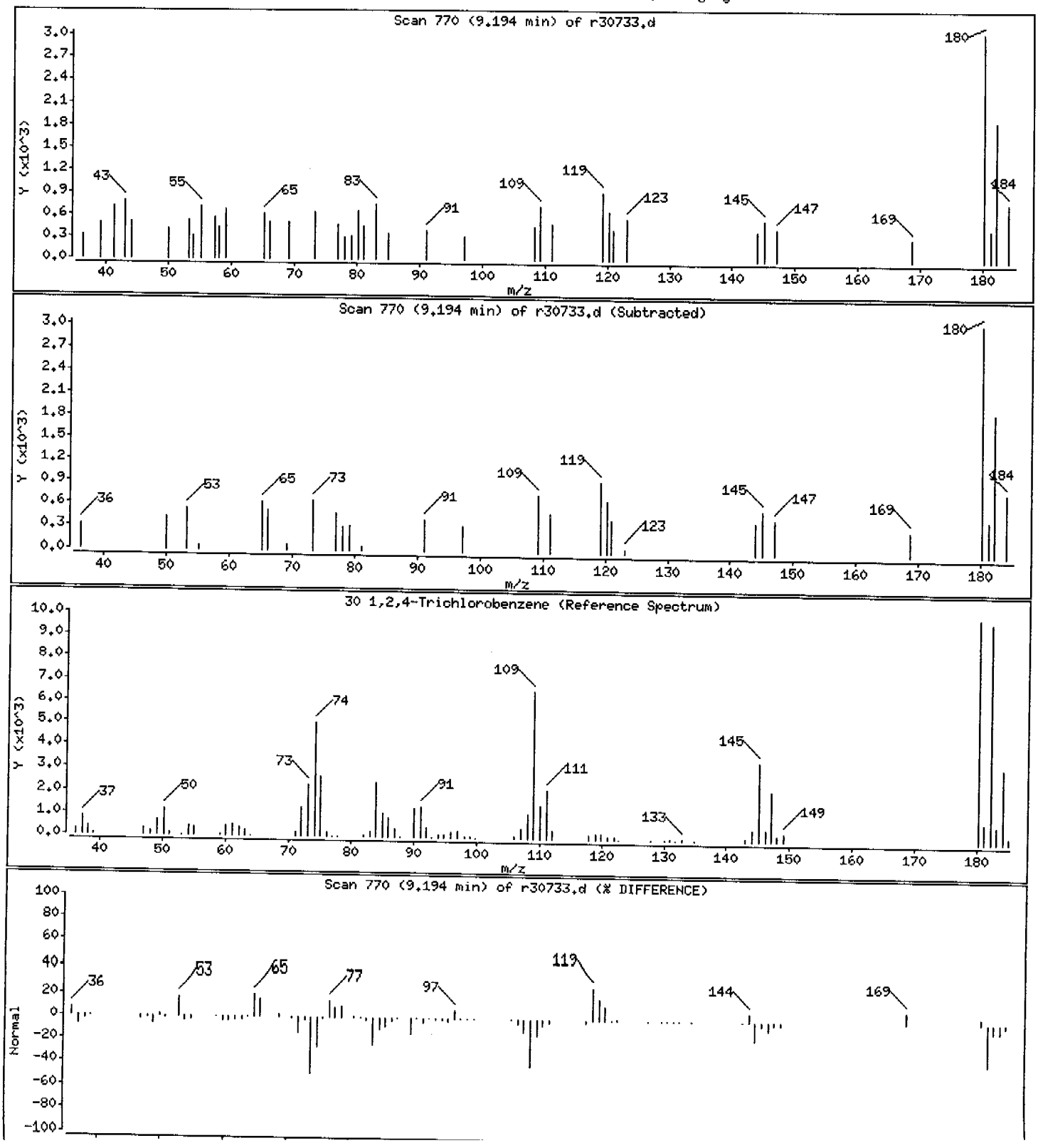
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

30 1,2,4-Trichlorobenzene Concentration: 22 ug/Kg



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Date : 09-OCT-2006 16:55

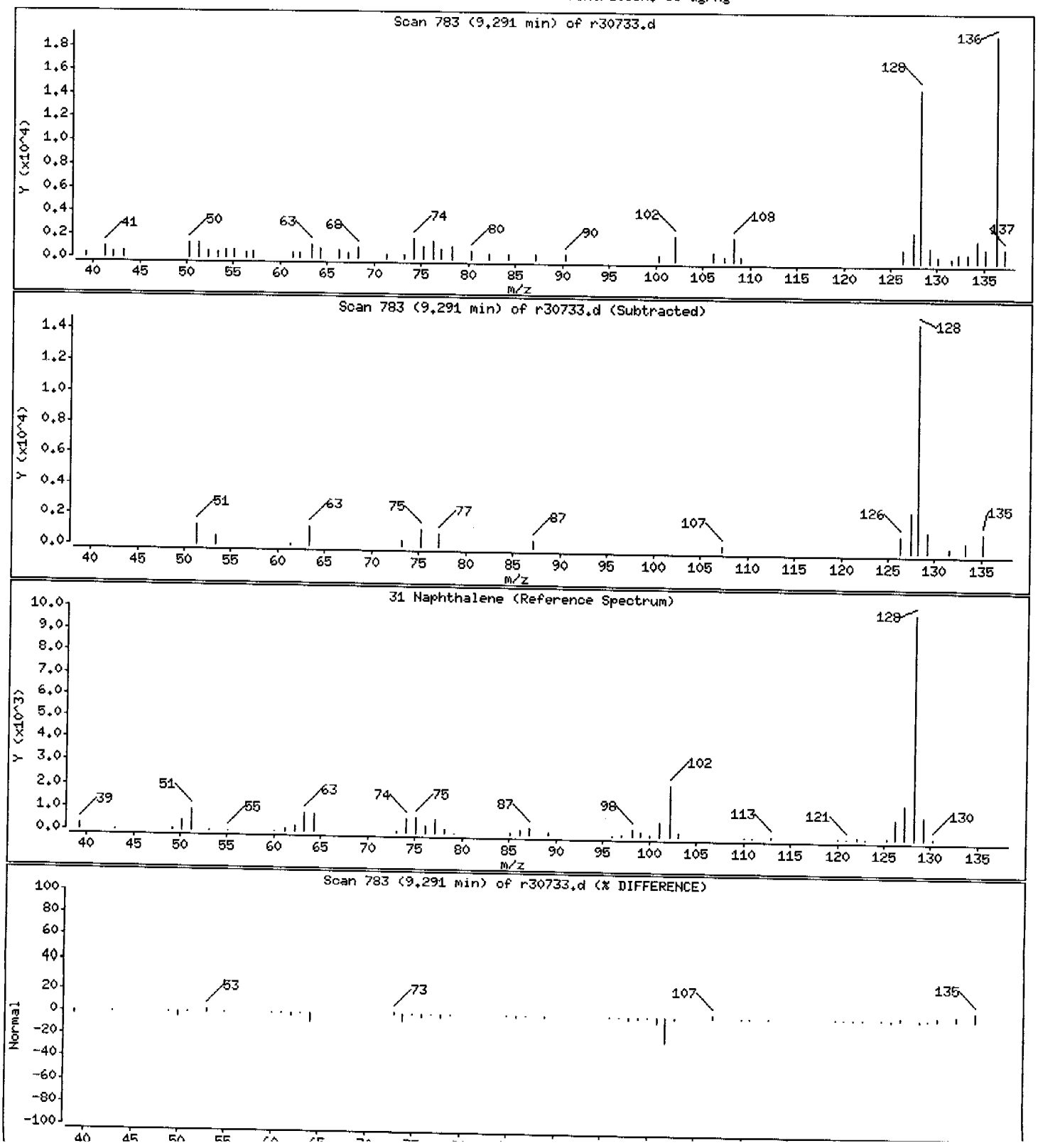
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 35 ug/Kg



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Date : 09-OCT-2006 16:55

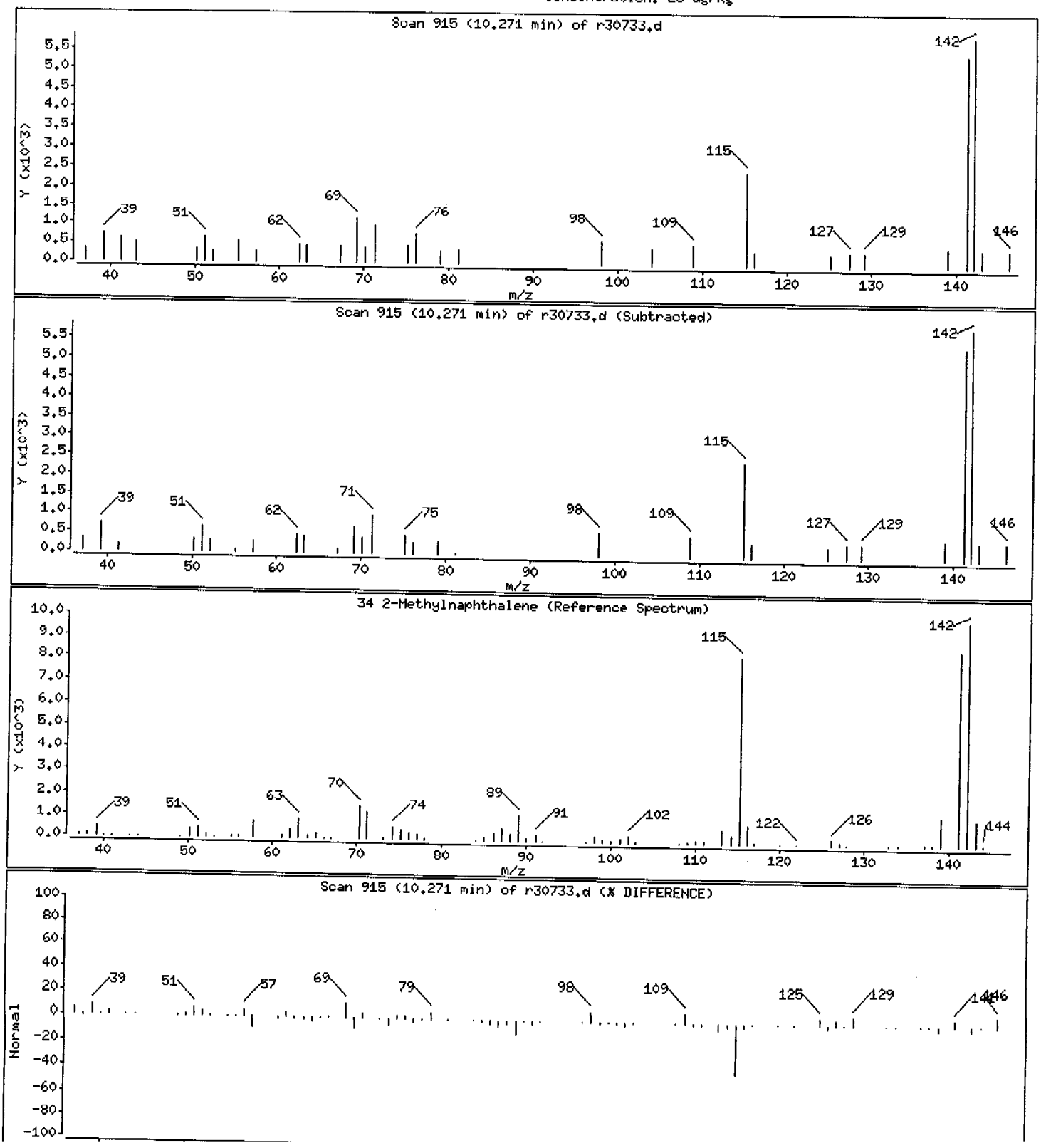
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 25 ug/Kg



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Date : 09-OCT-2006 16:55

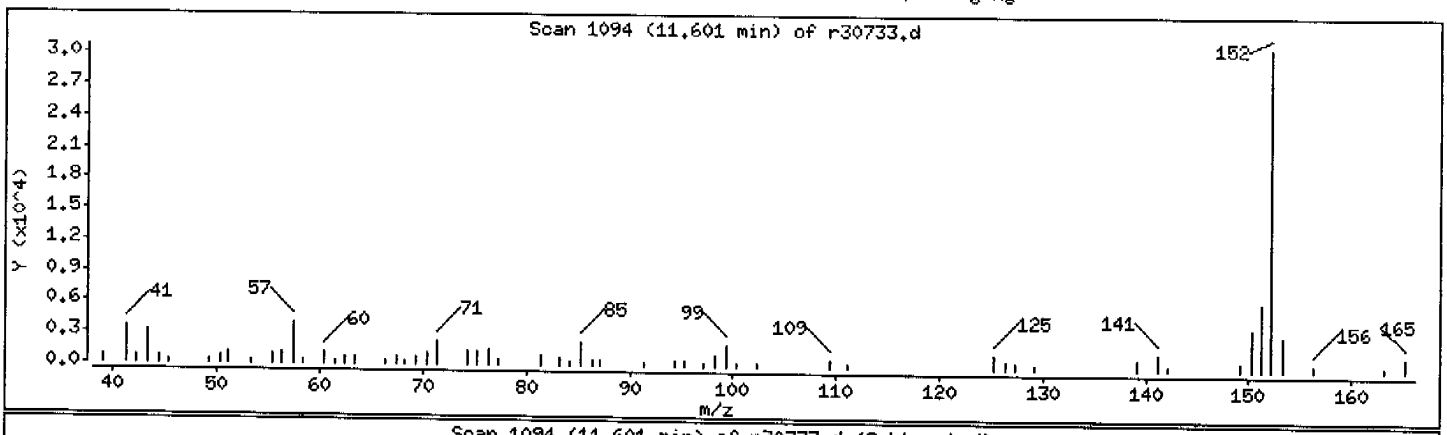
Client ID: B201-SS02 Instrument: BNAMS1.i

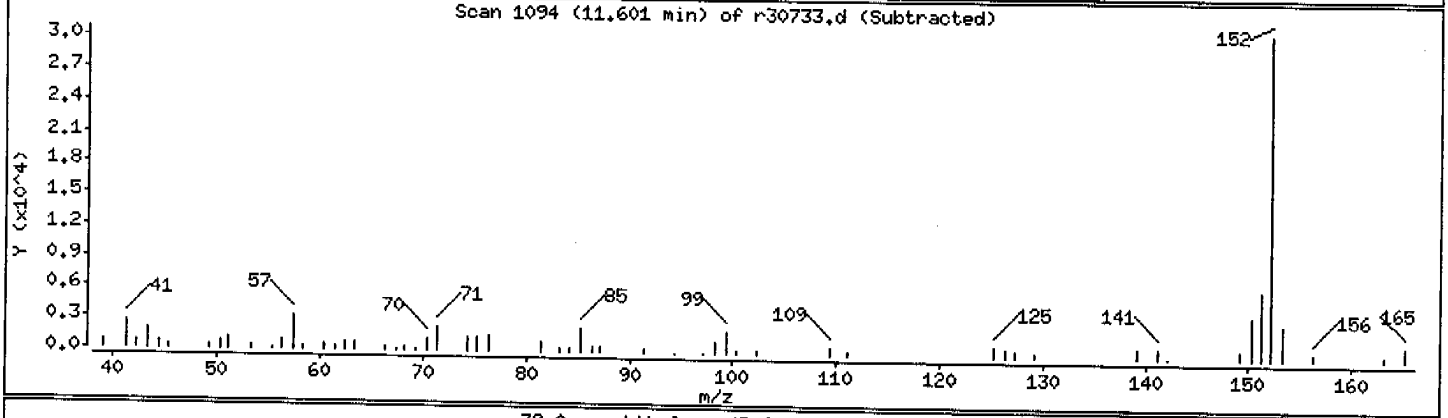
Sample Info: 775268;3280897

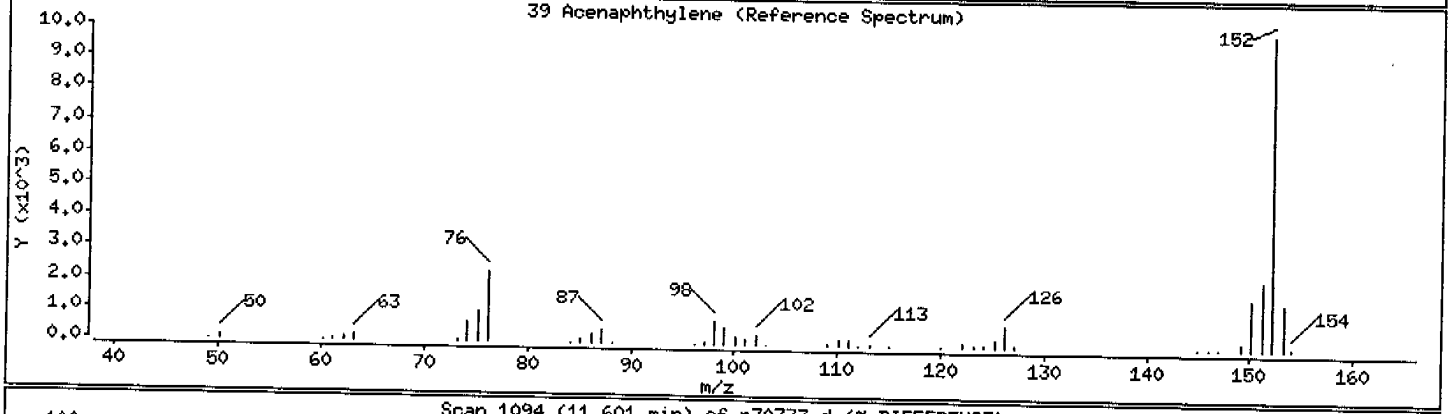
Operator: BNAMS 4

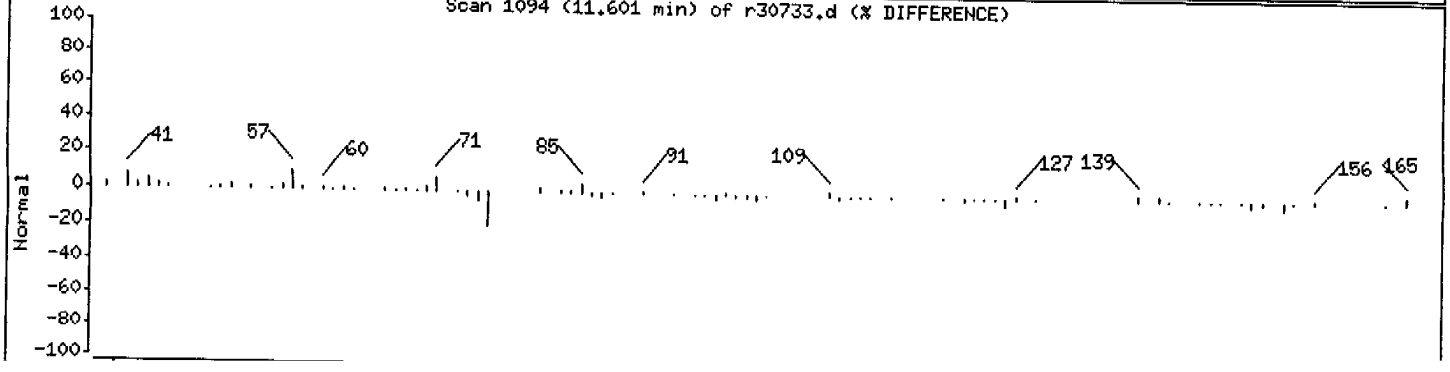
Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 71 ug/Kg









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Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

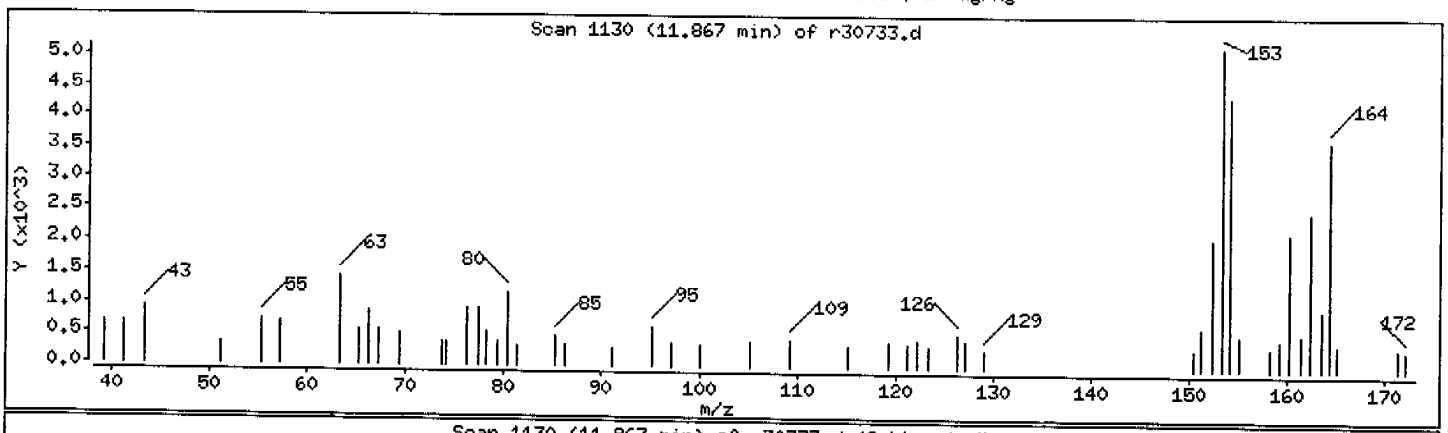
Operator: BNAMS 4

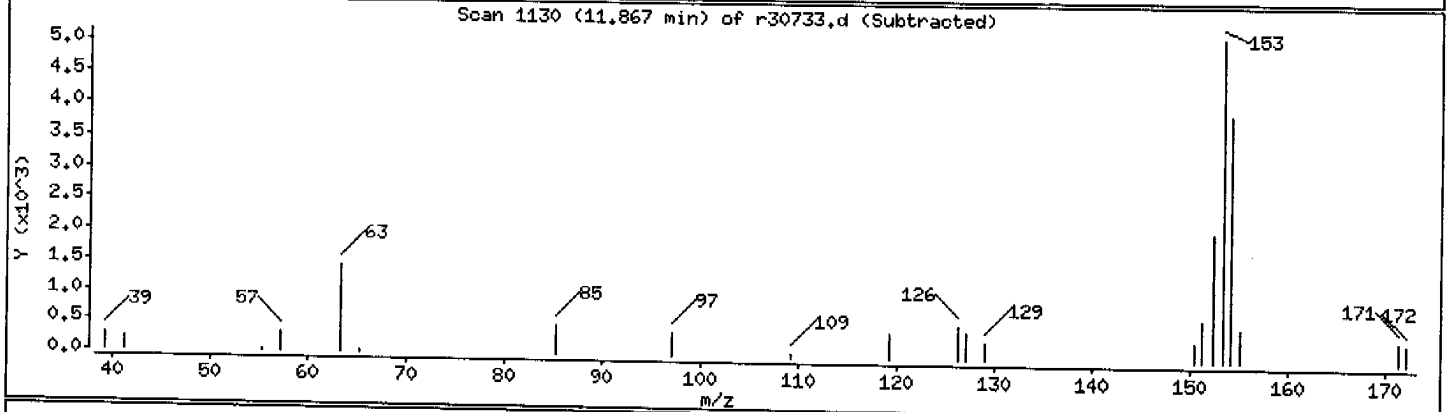
Column phase: DB-5

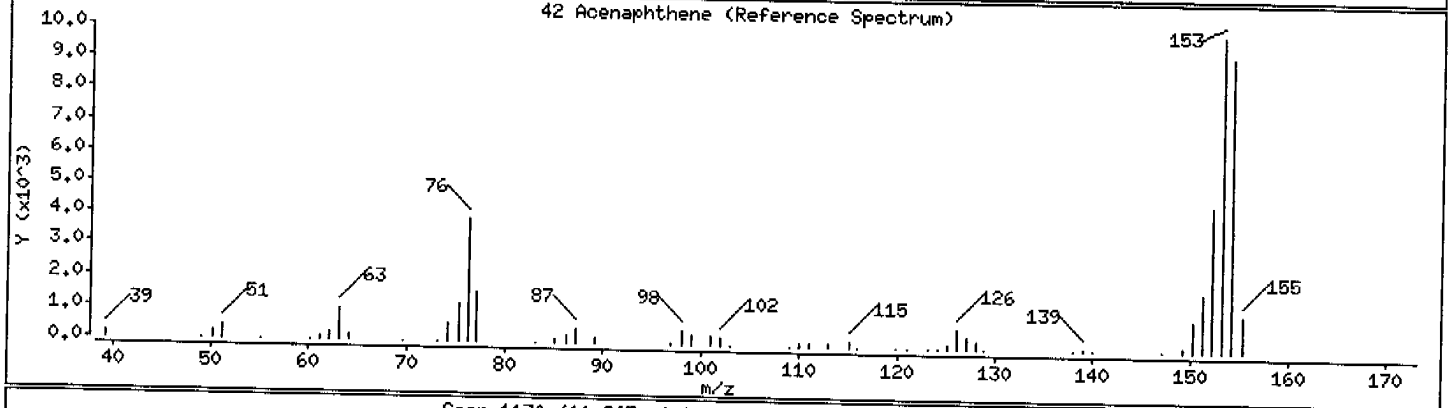
Column diameter: 0.25

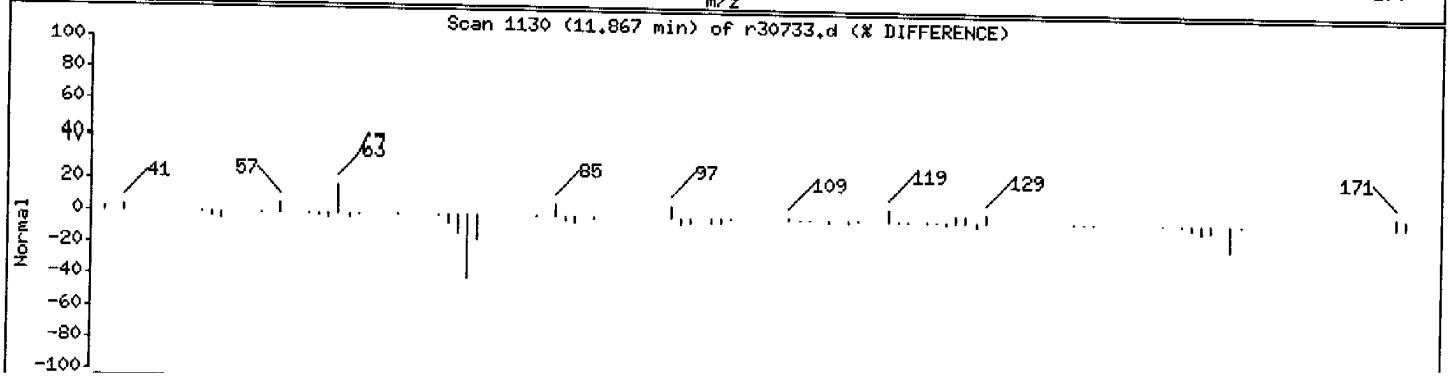
42 Acenaphthene

Concentration: 17 ug/Kg









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Date : 09-OCT-2006 16:55

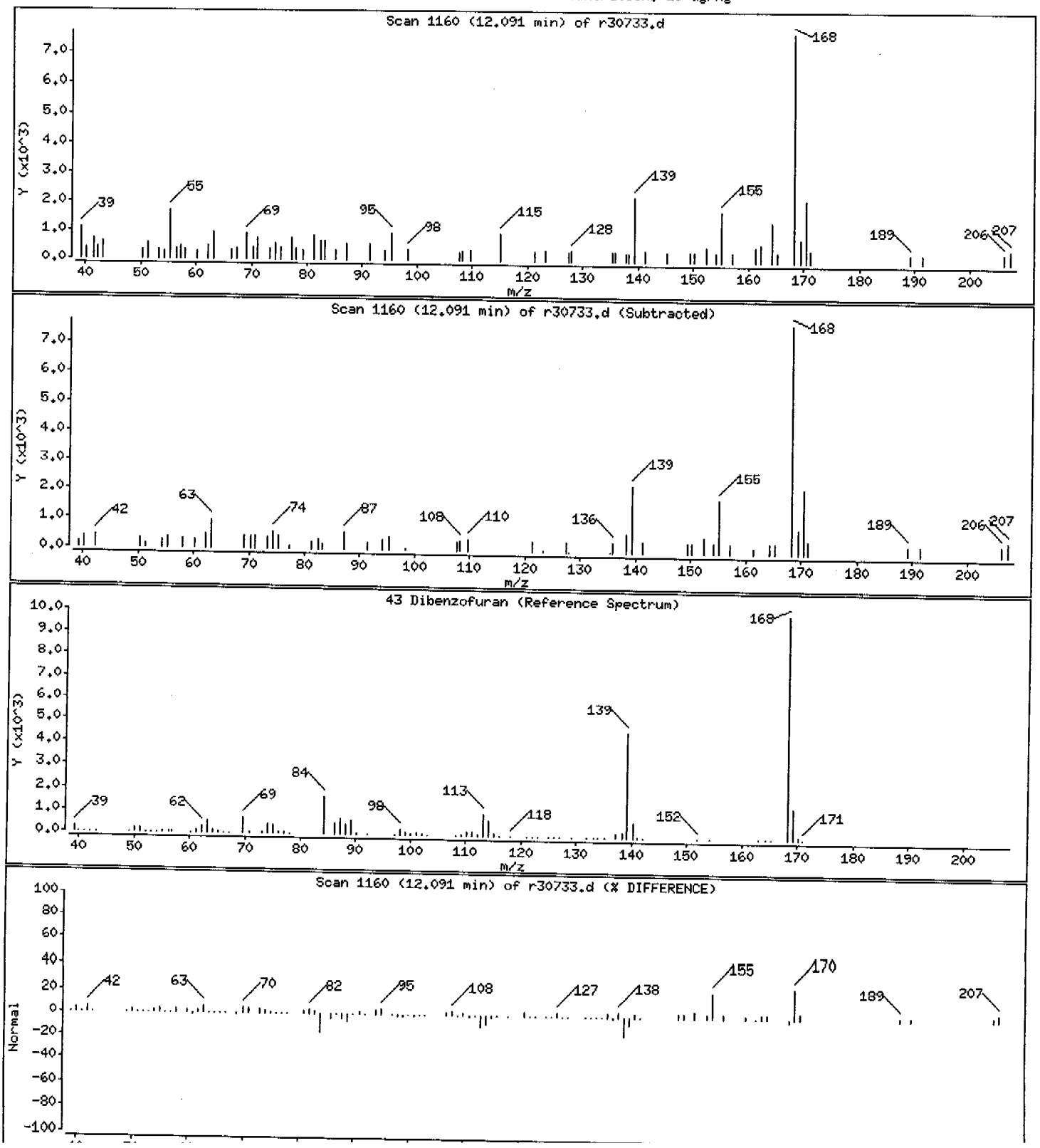
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

43 Dibenzofuran Concentration: 18 ug/Kg



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Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

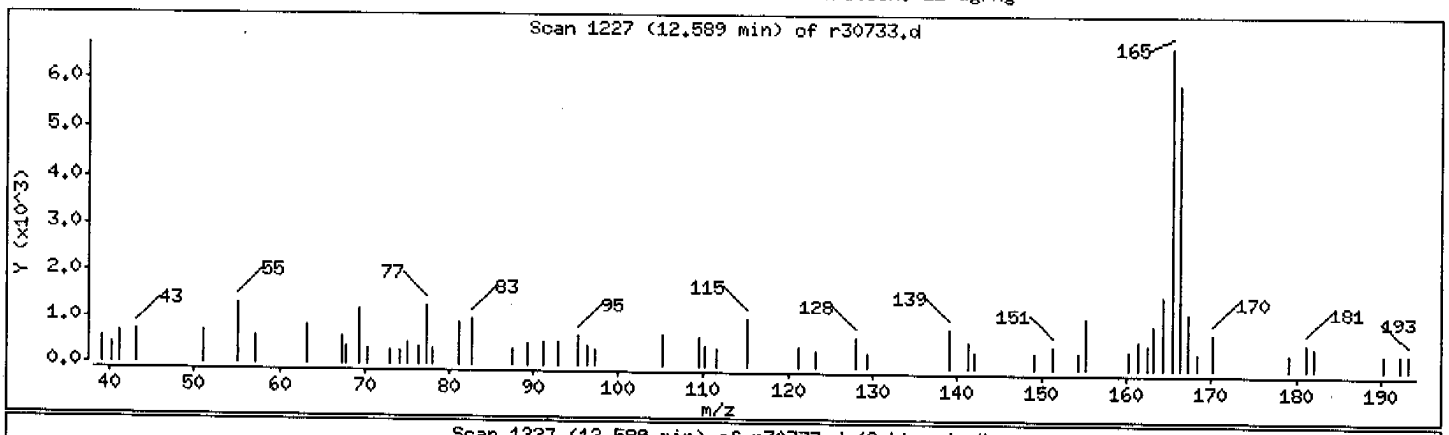
Operator: BNAMS 4

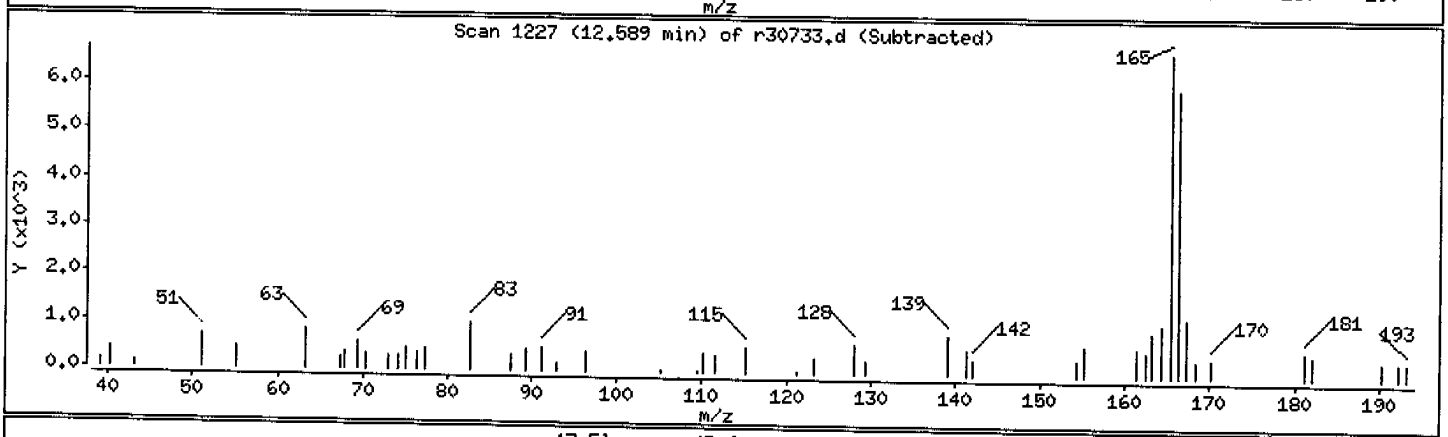
Column phase: DB-5

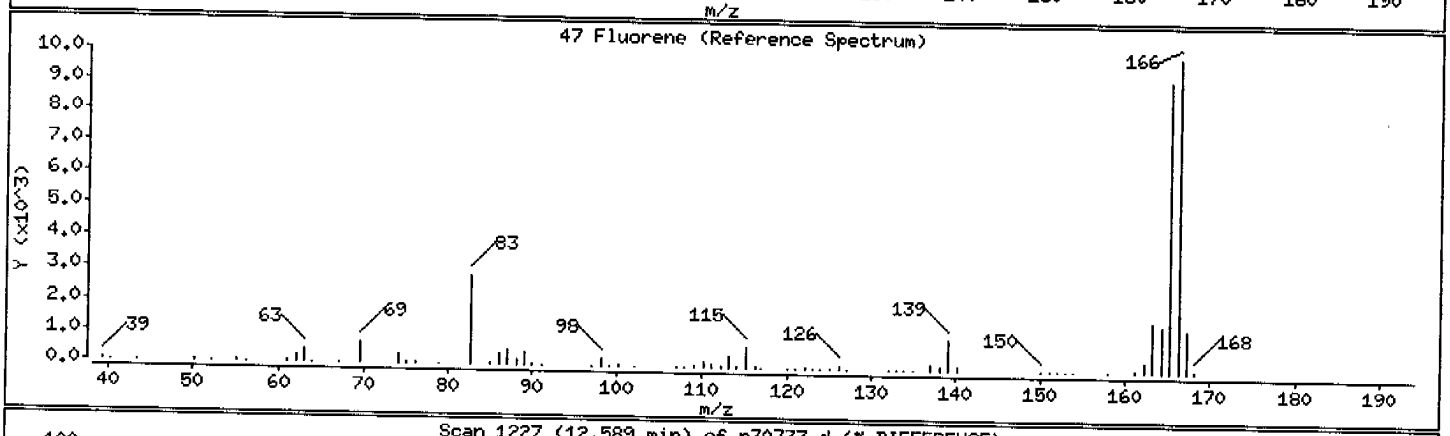
Column diameter: 0.25

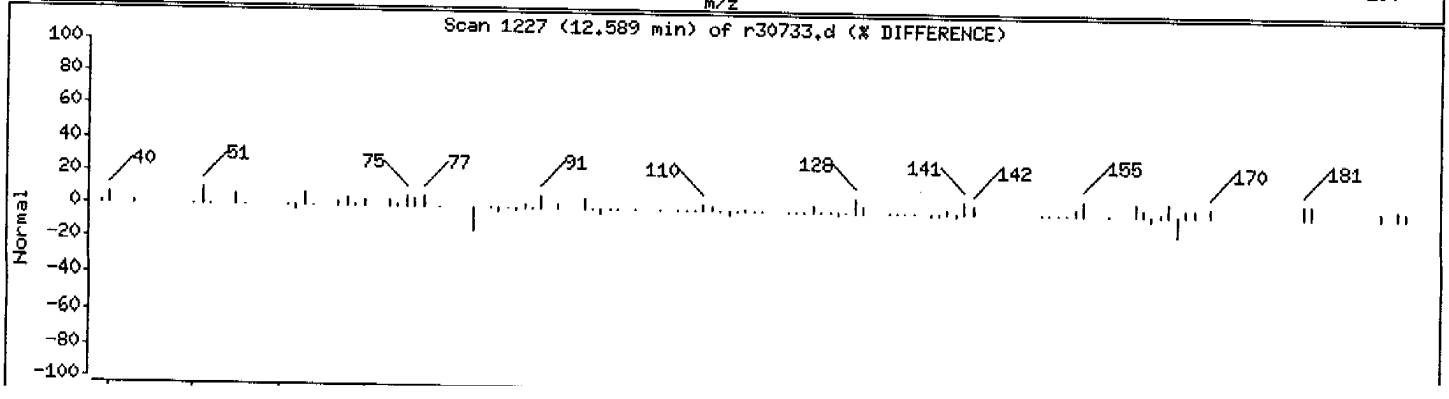
47 Fluorene

Concentration: 21 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

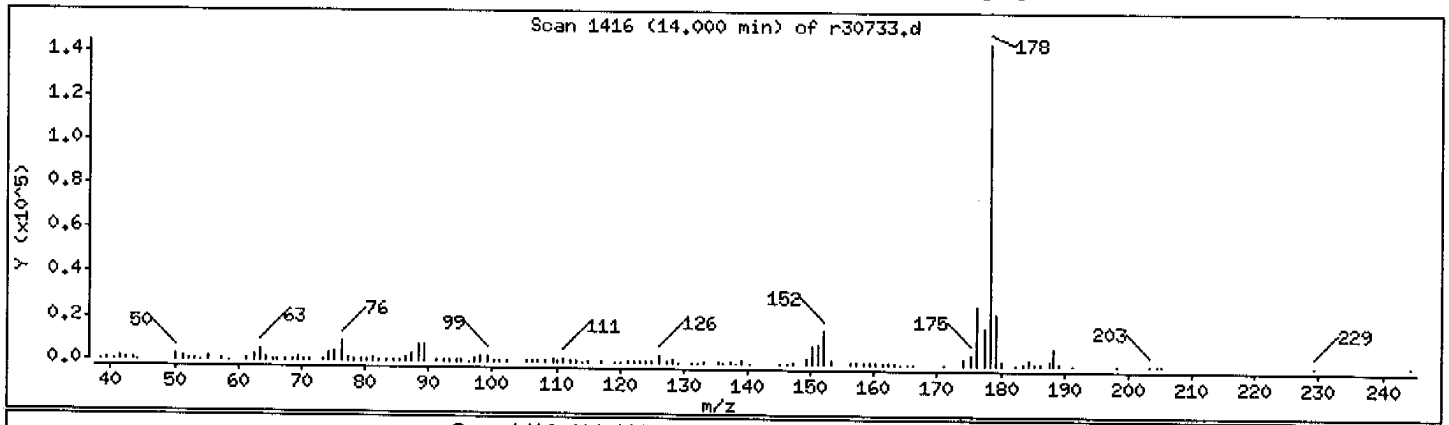
Client ID: B201-SS02 Instrument: BNAMS1.i

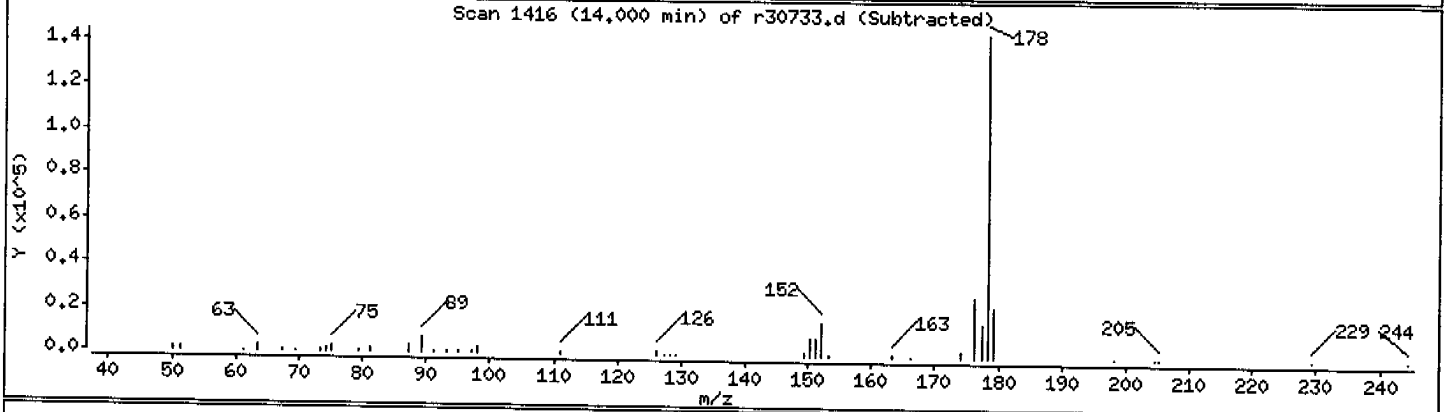
Sample Info: 775268;3280897

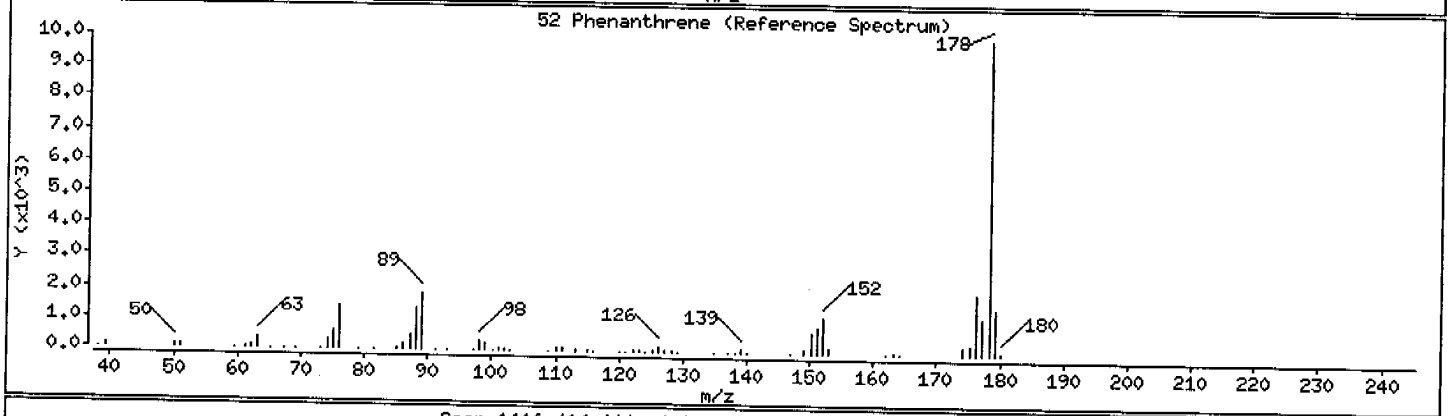
Operator: BNAMS 4

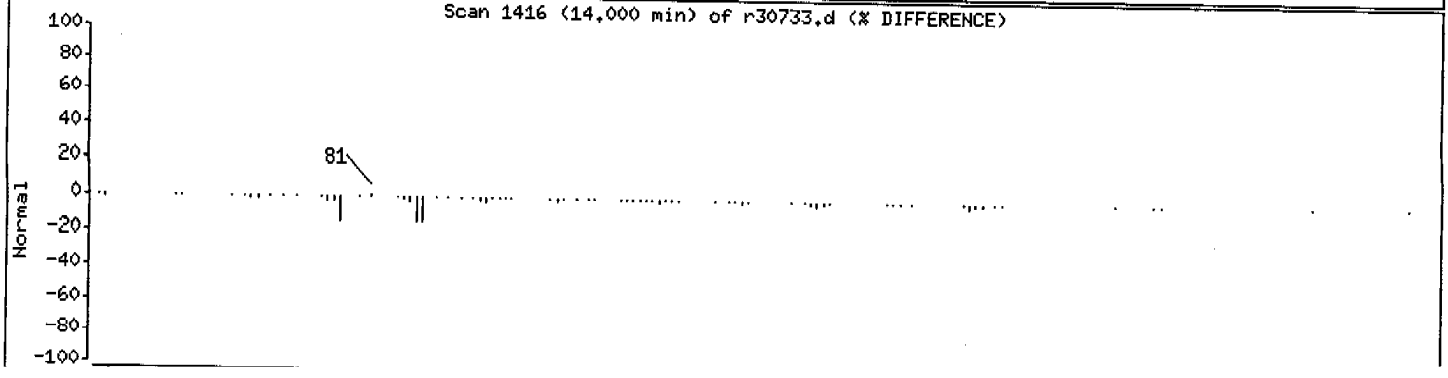
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 280 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

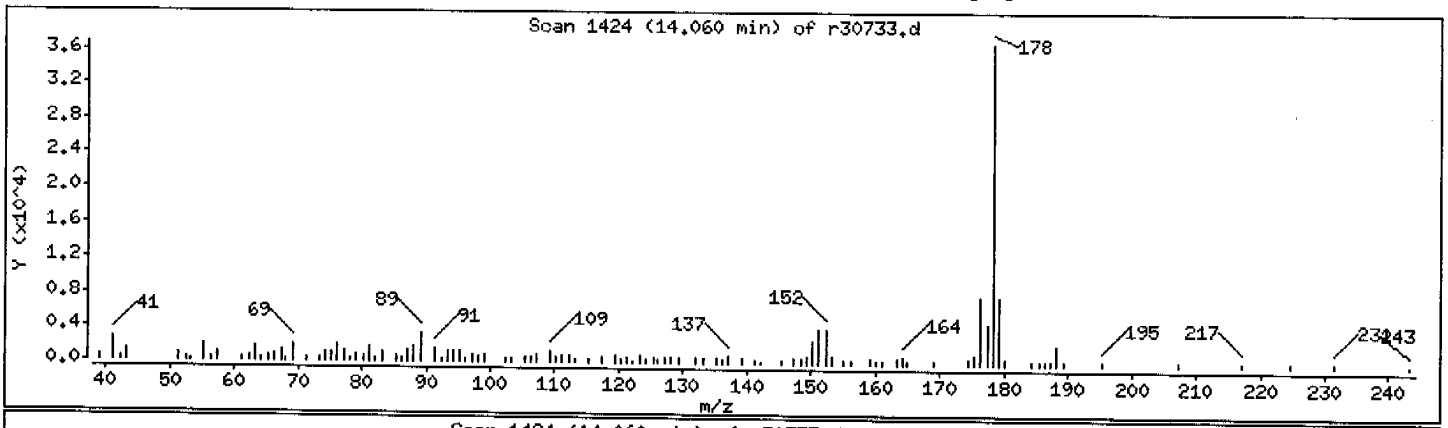
Operator: BNAMS 4

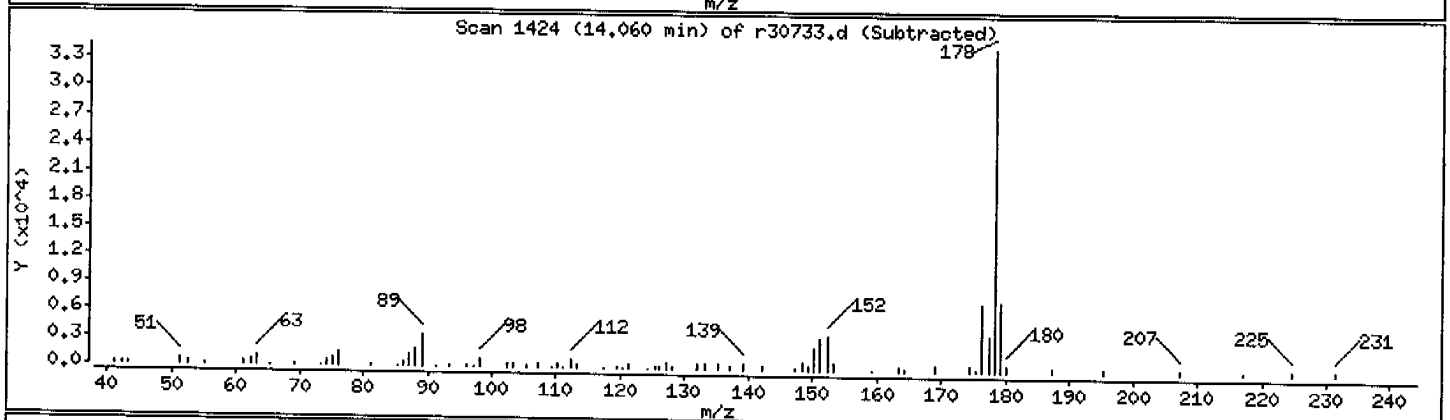
Column phase: DB-5

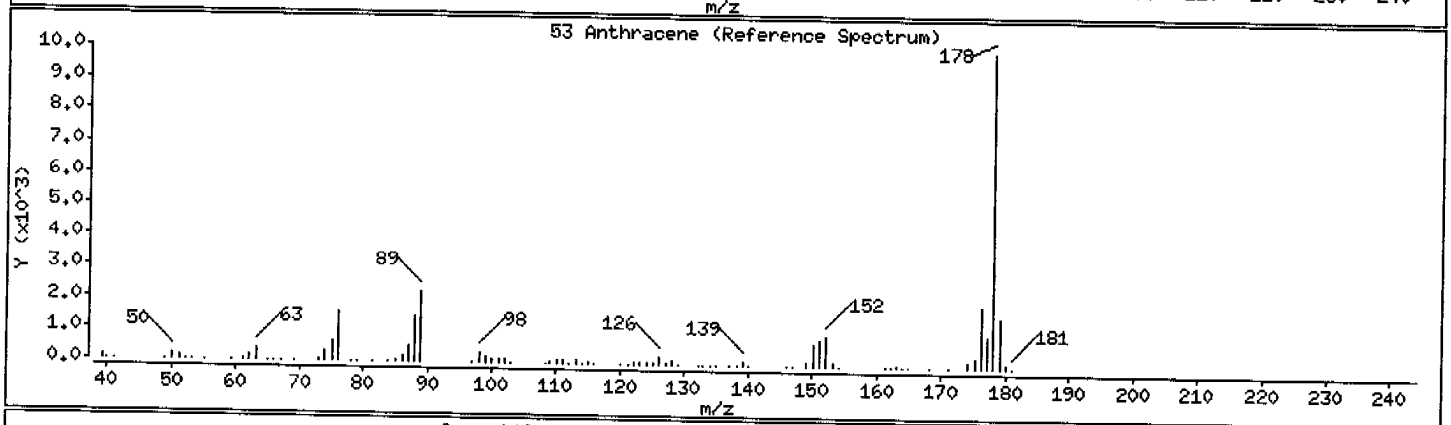
Column diameter: 0.25

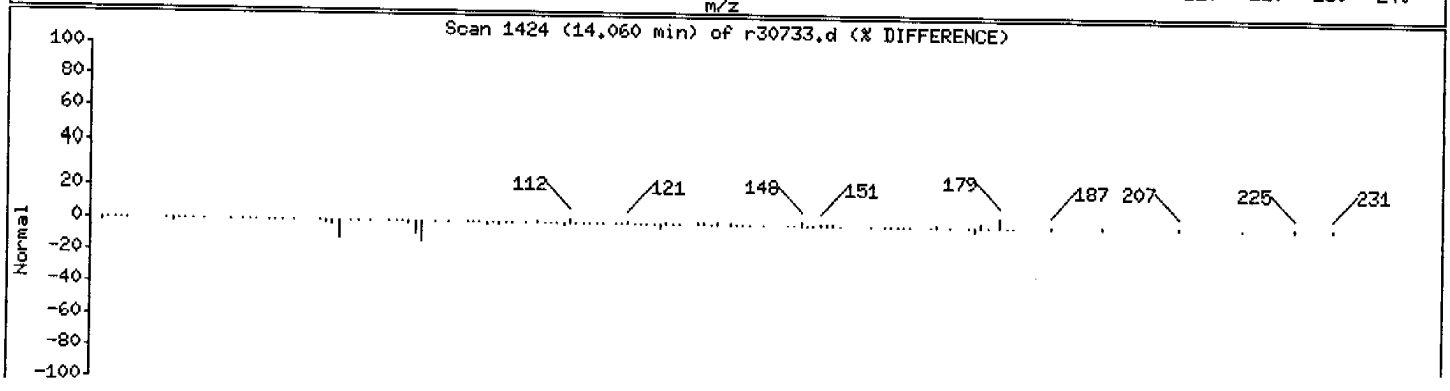
53 Anthracene

Concentration: 82 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

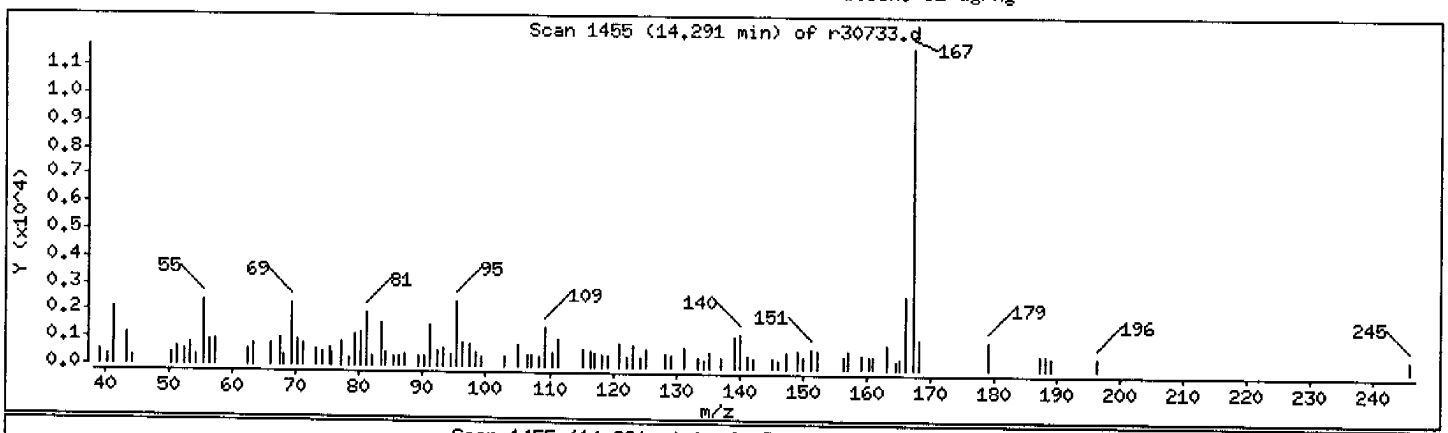
Operator: BNAMS 4

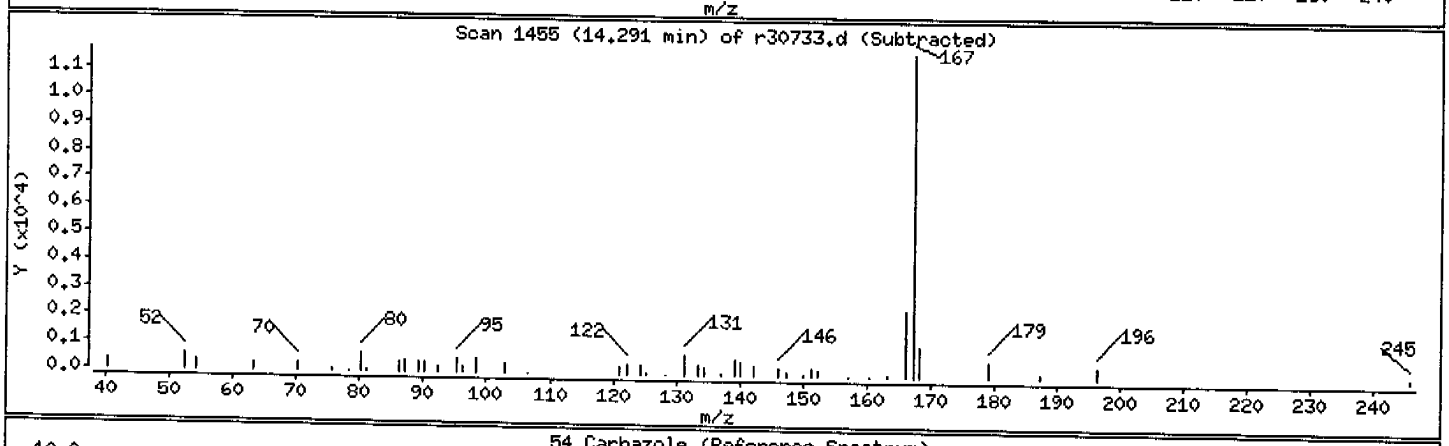
Column phase: DB-5

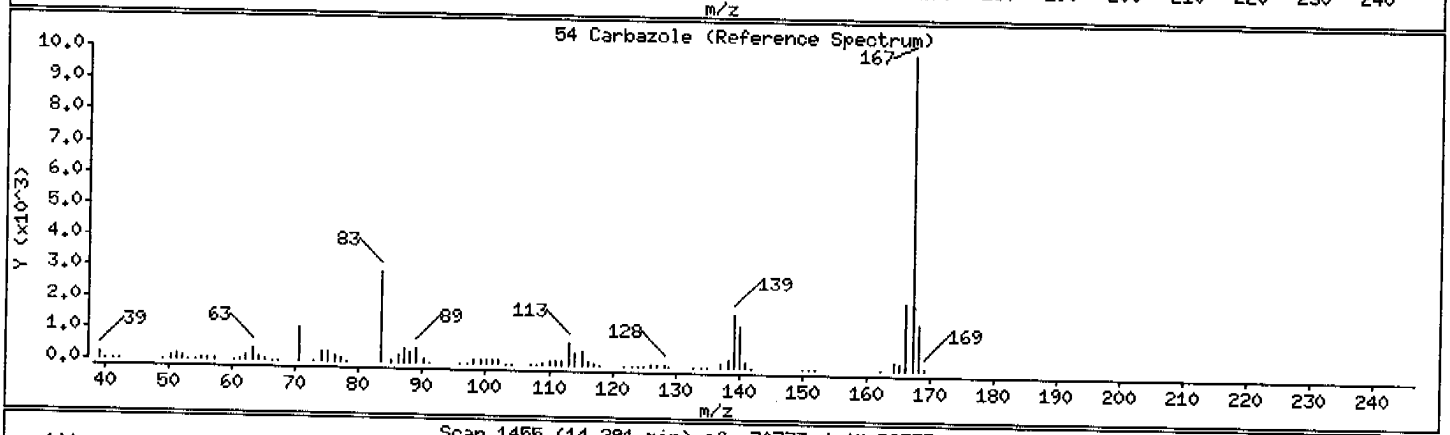
Column diameter: 0.25

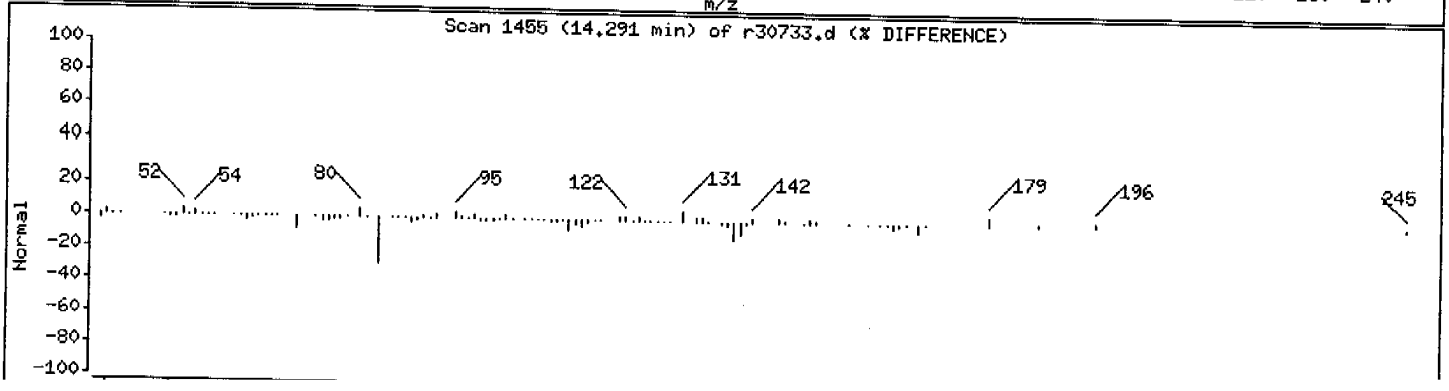
54 Carbazole

Concentration: 31 ug/Kg









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Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

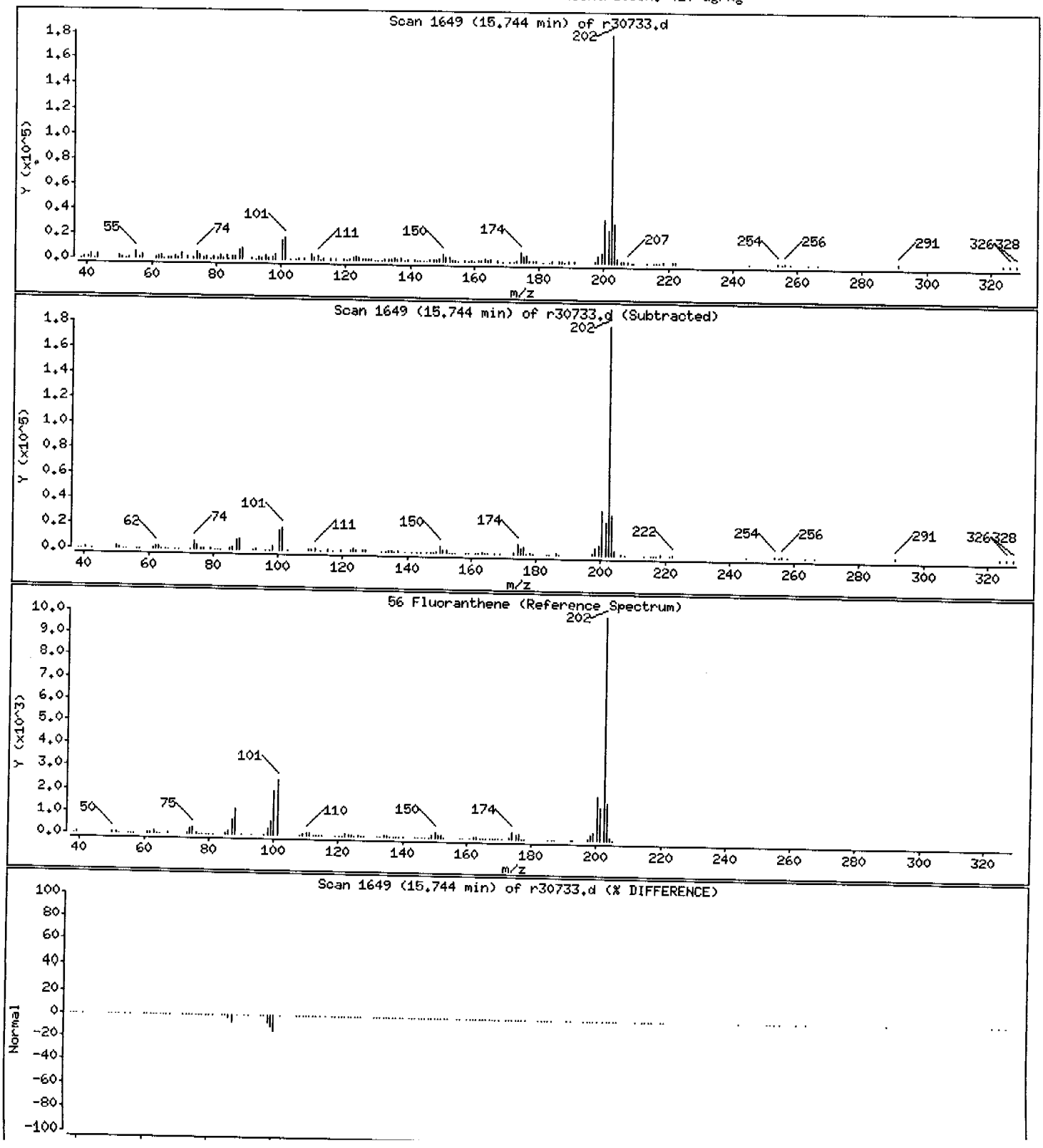
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

56 Fluoranthene

Concentration: 420 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

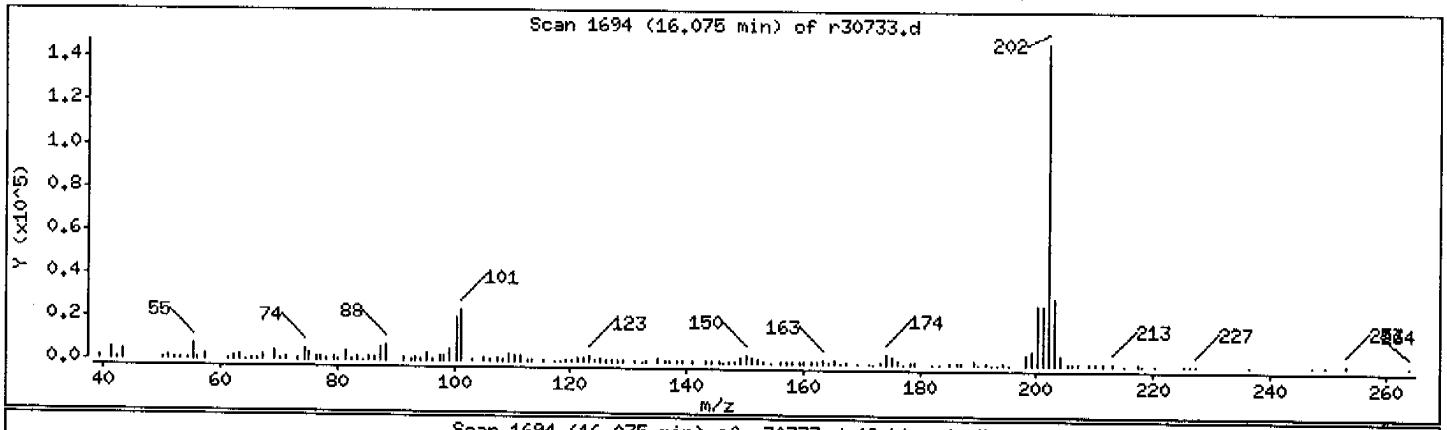
Client ID: B201-SS02 Instrument: BNAMS1.i

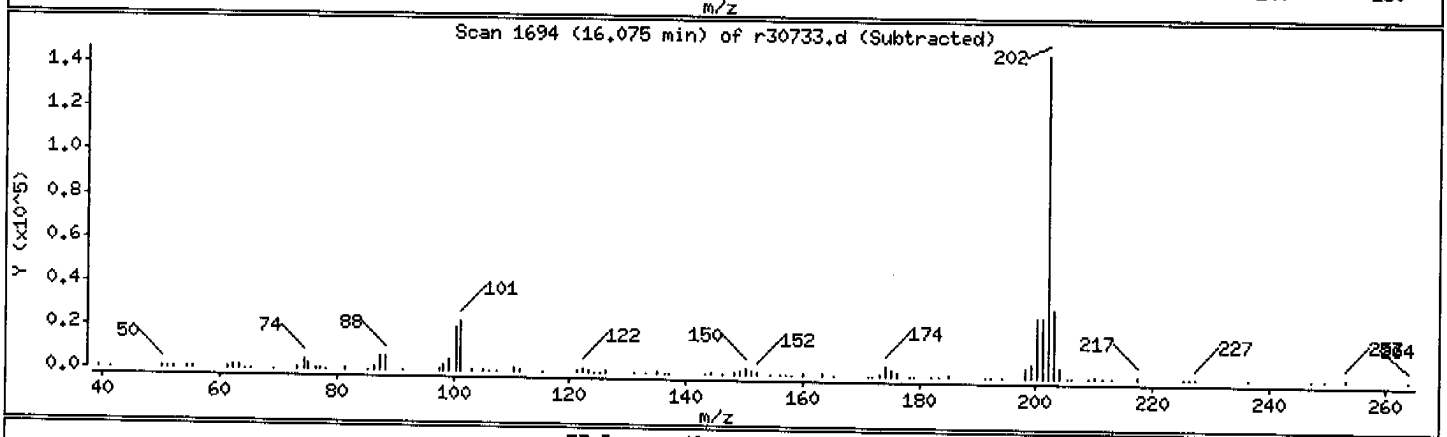
Sample Info: 775268;3280897

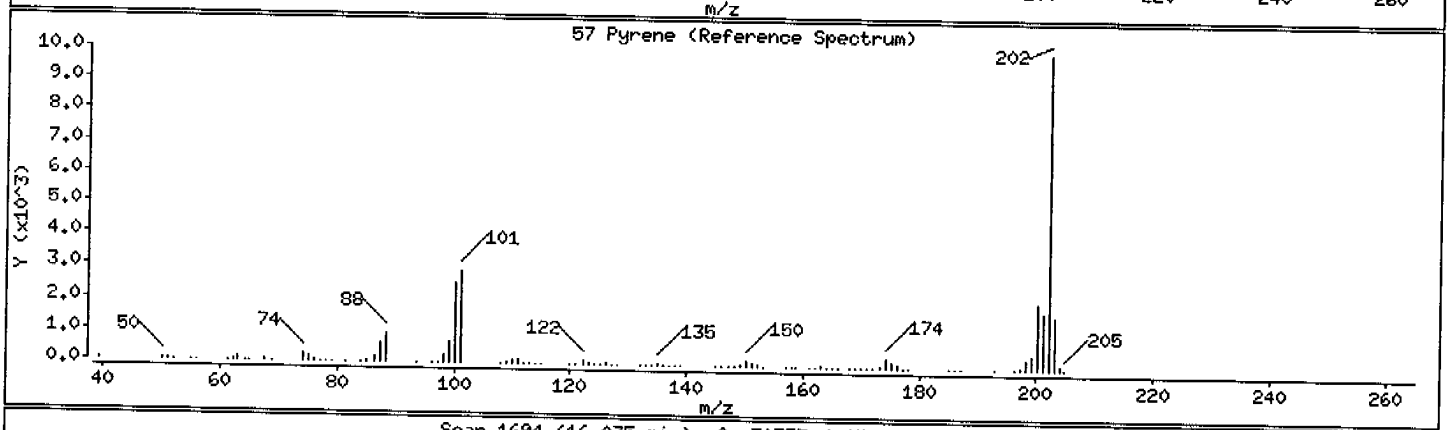
Operator: BNAMS 4

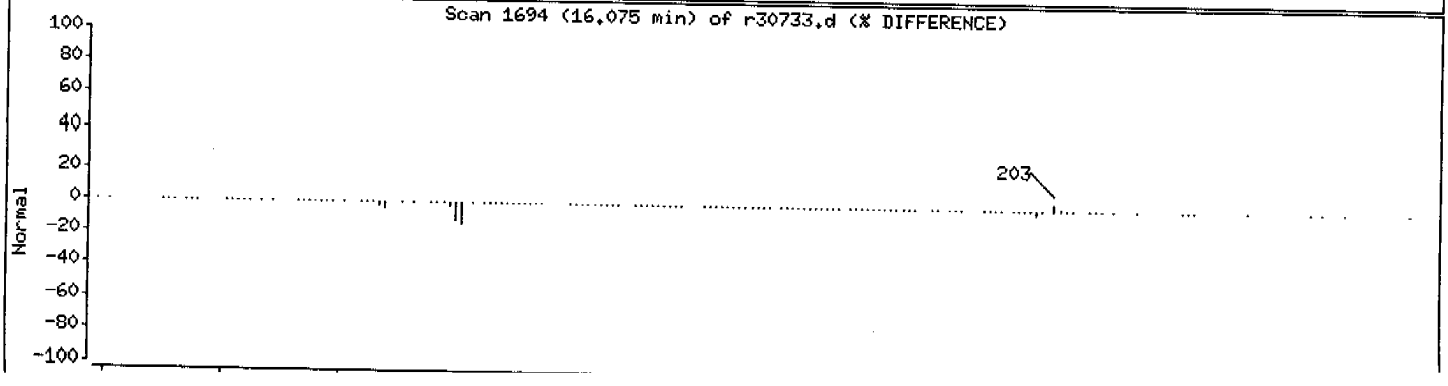
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 630 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

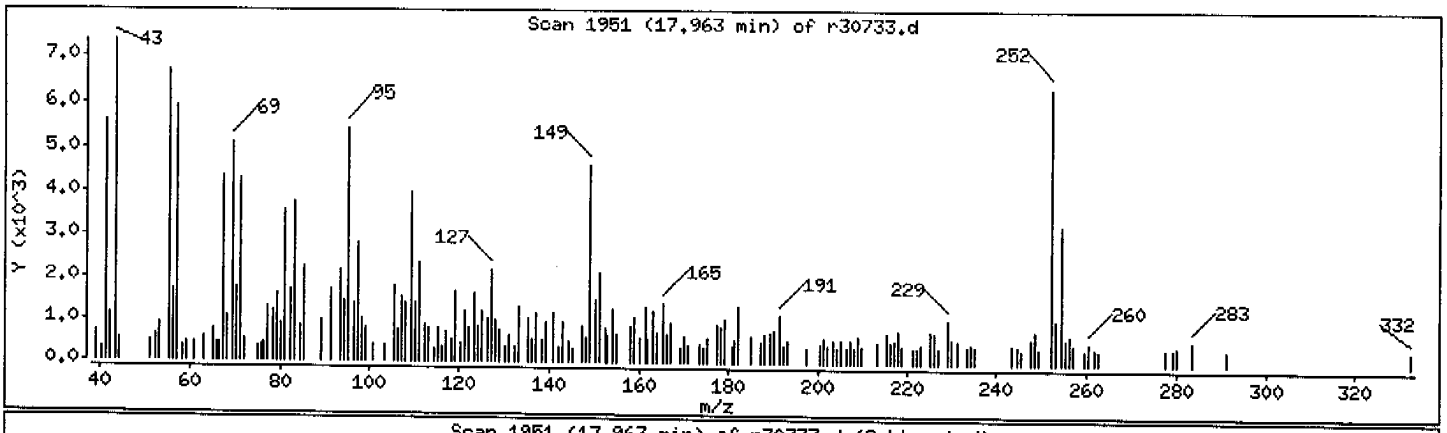
Client ID: B201-SS02 Instrument: BNAMS1.i

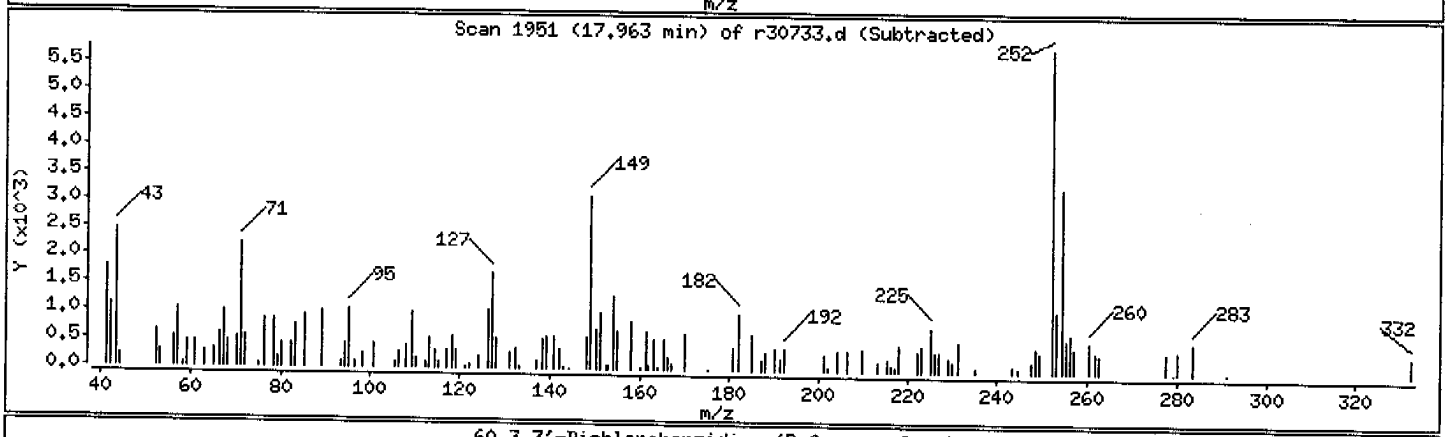
Sample Info: 775268;3280897

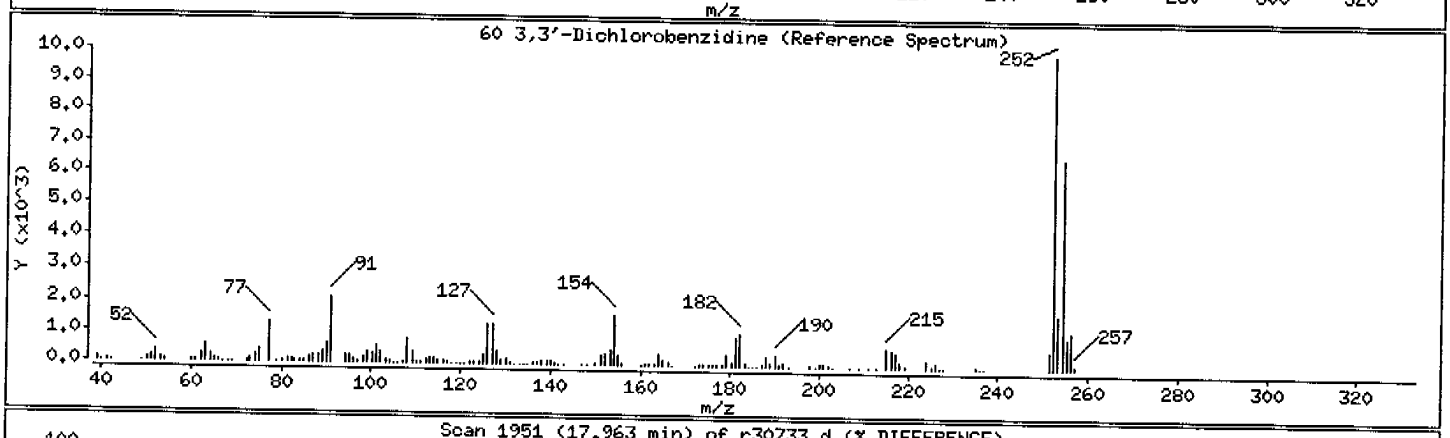
Operator: BNAMS 4

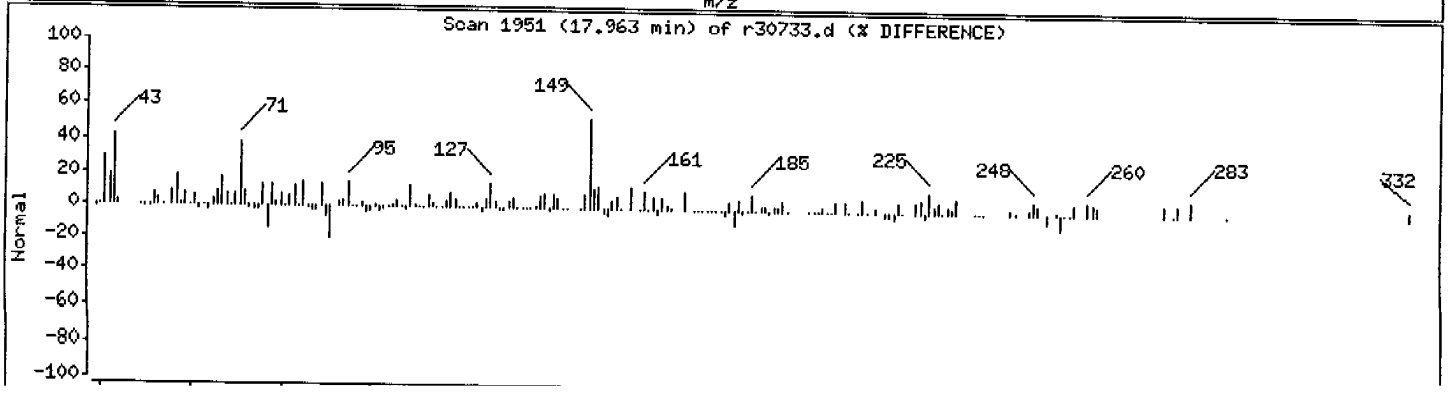
Column phase: DB-5 Column diameter: 0.25

60 3,3'-Dichlorobenzidine Concentration: 90 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

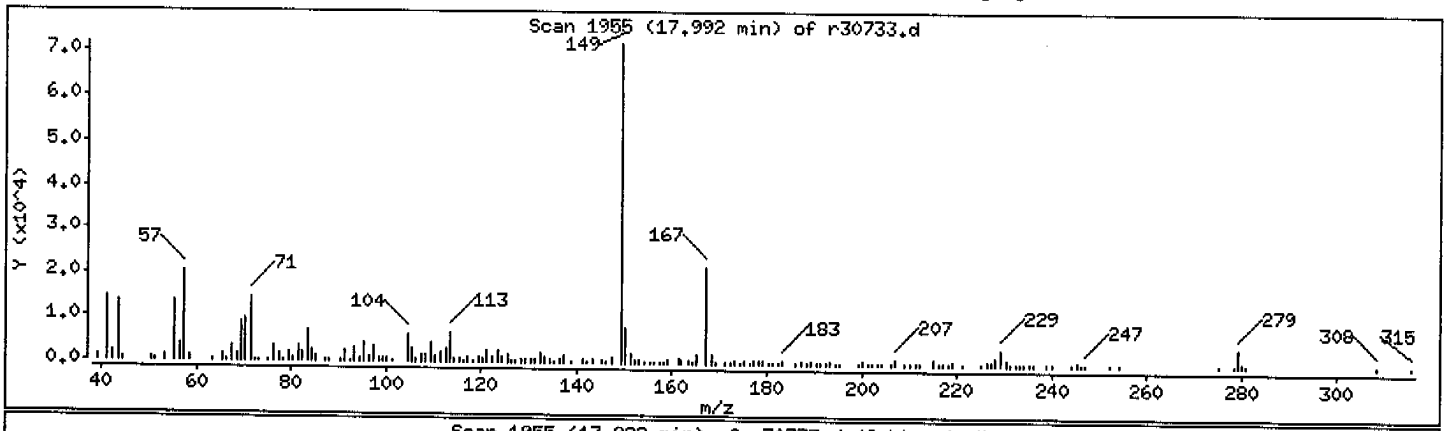
Operator: BNAMS 4

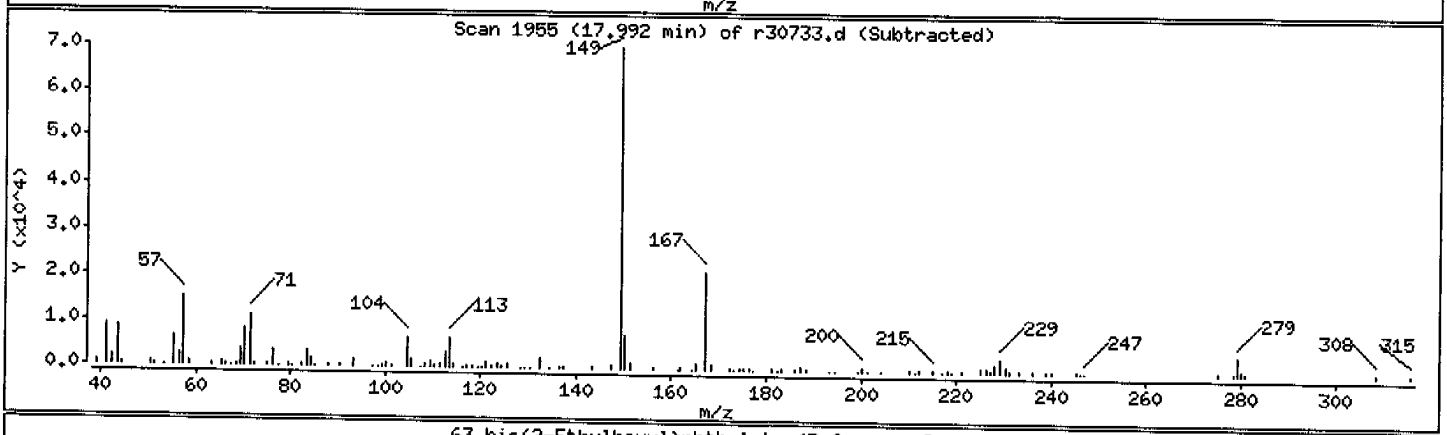
Column phase: DB-5

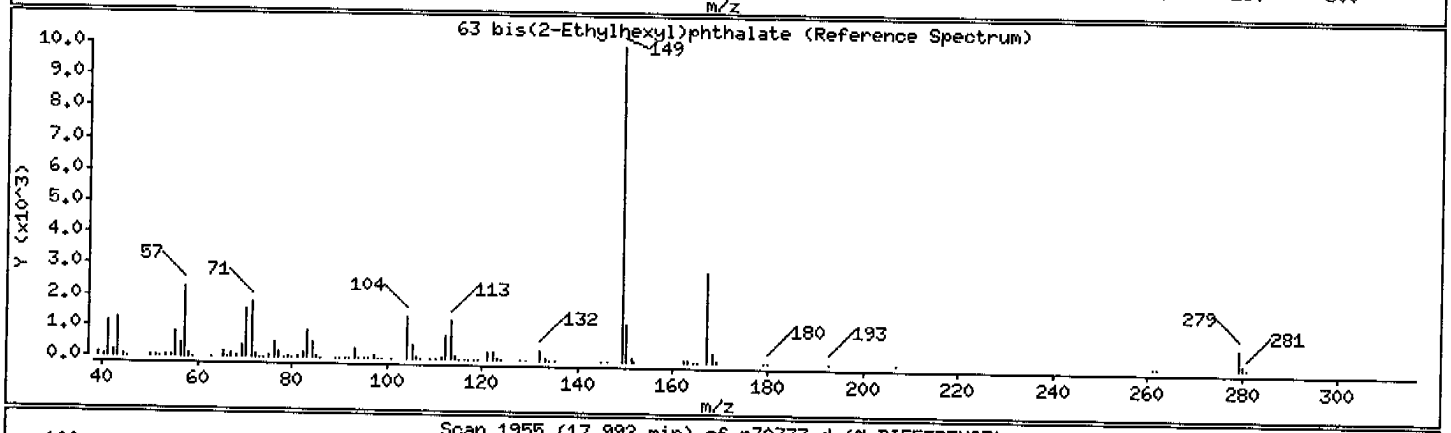
Column diameter: 0.25

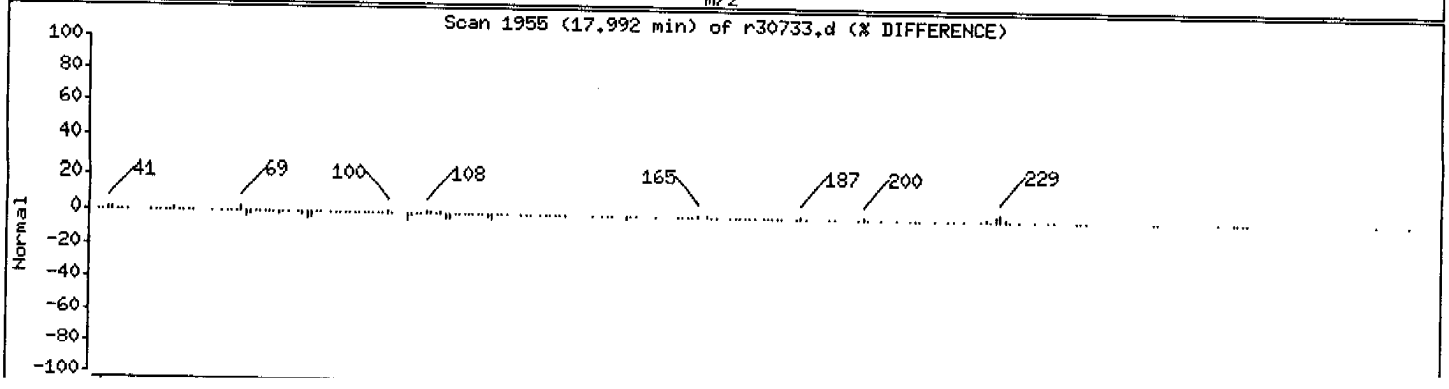
63 bis(2-Ethylhexyl)phthalate

Concentration: 440 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

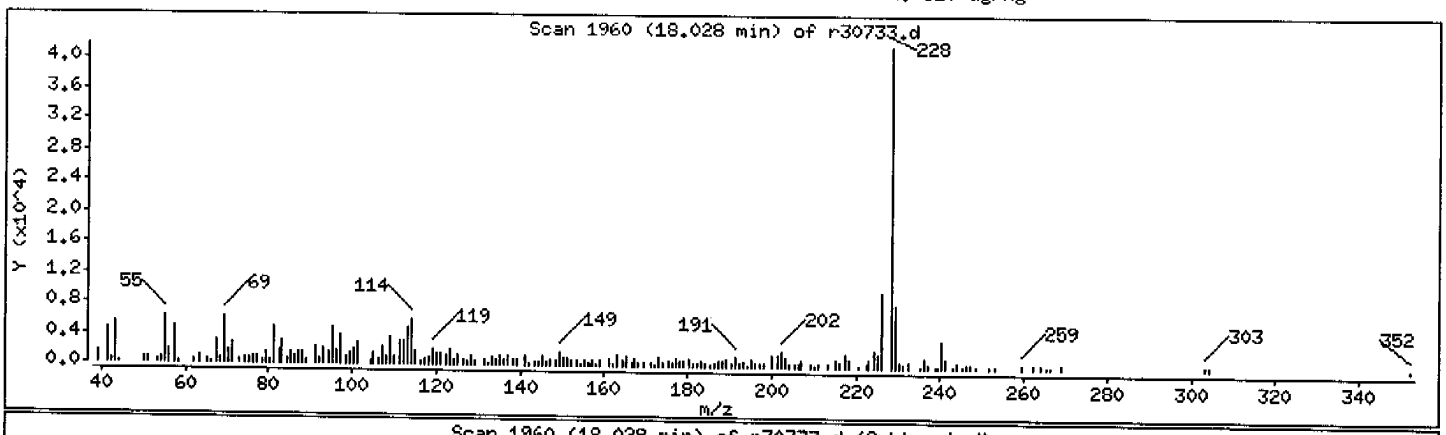
Operator: BNAMS 4

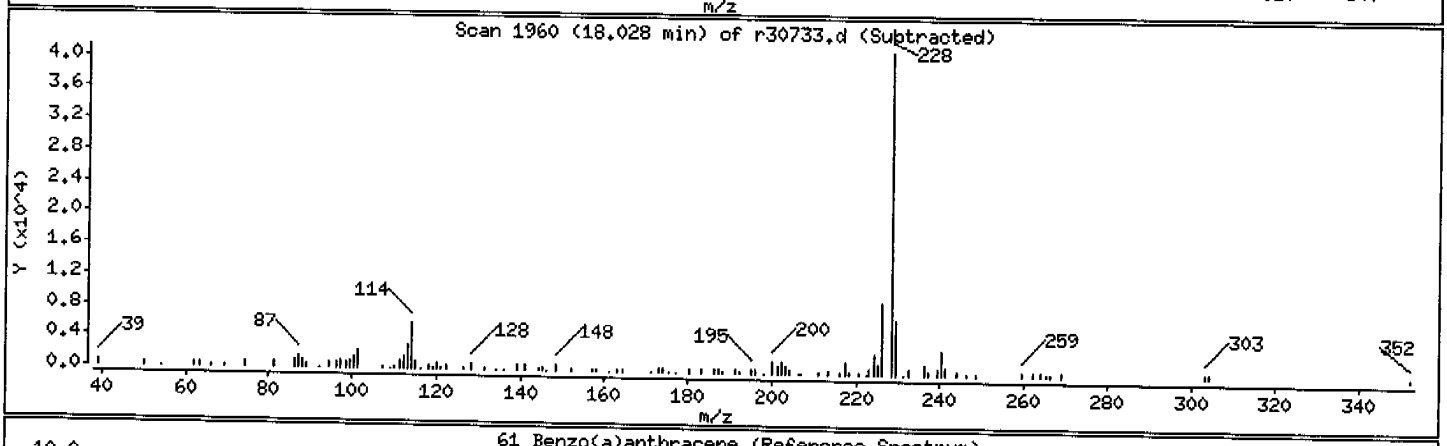
Column phase: DB-5

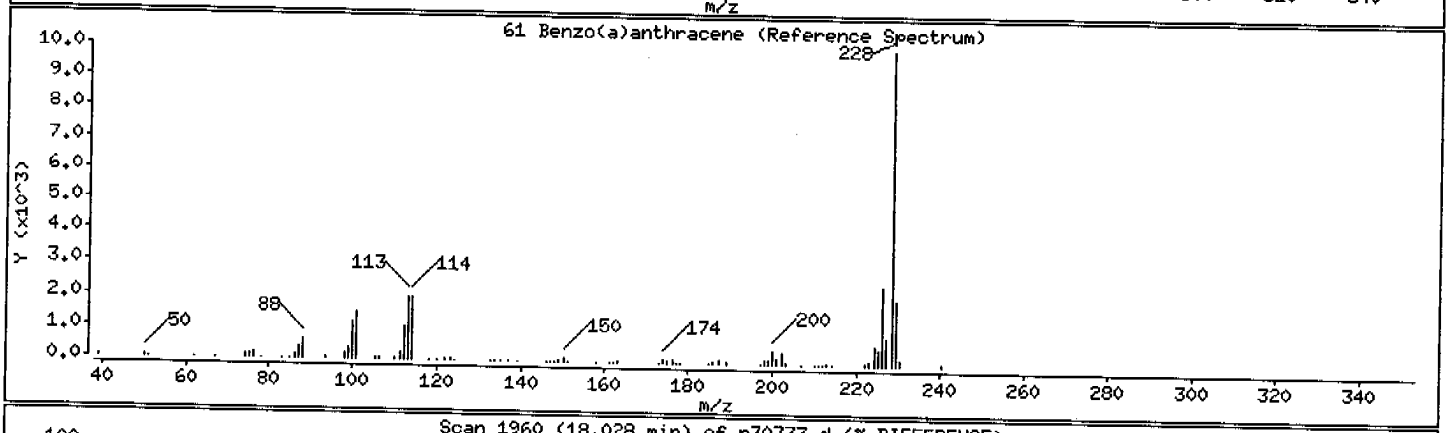
Column diameter: 0.25

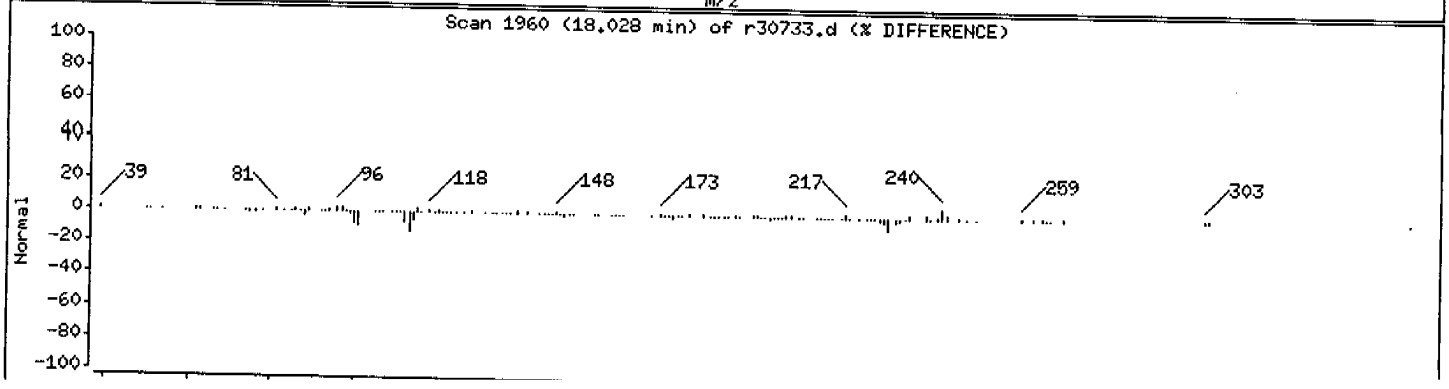
61 Benzo(a)anthracene

Concentration: 310 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

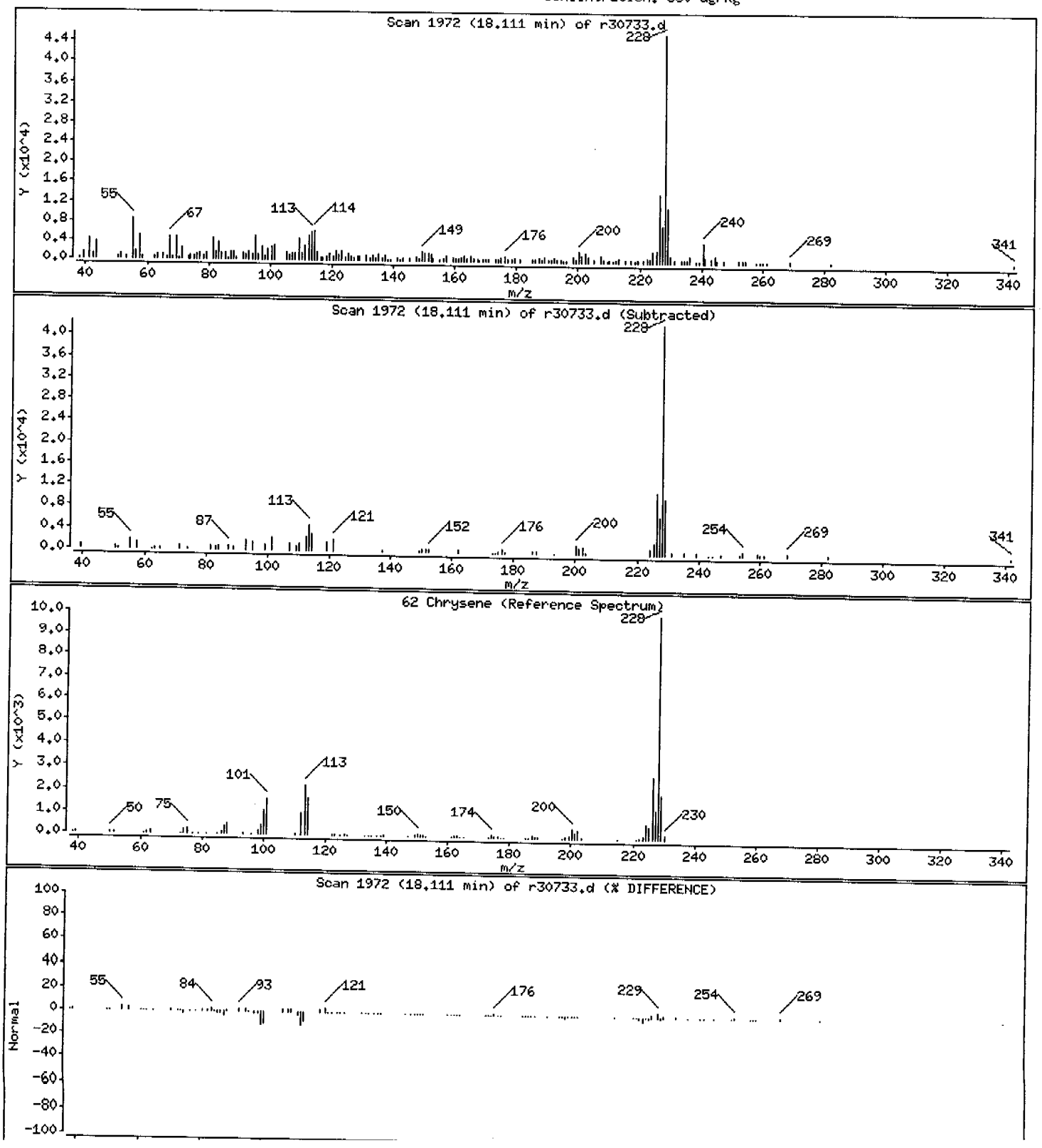
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

62 Chrysene

Concentration: 330 ug/Kg



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Date : 09-OCT-2006 16:55

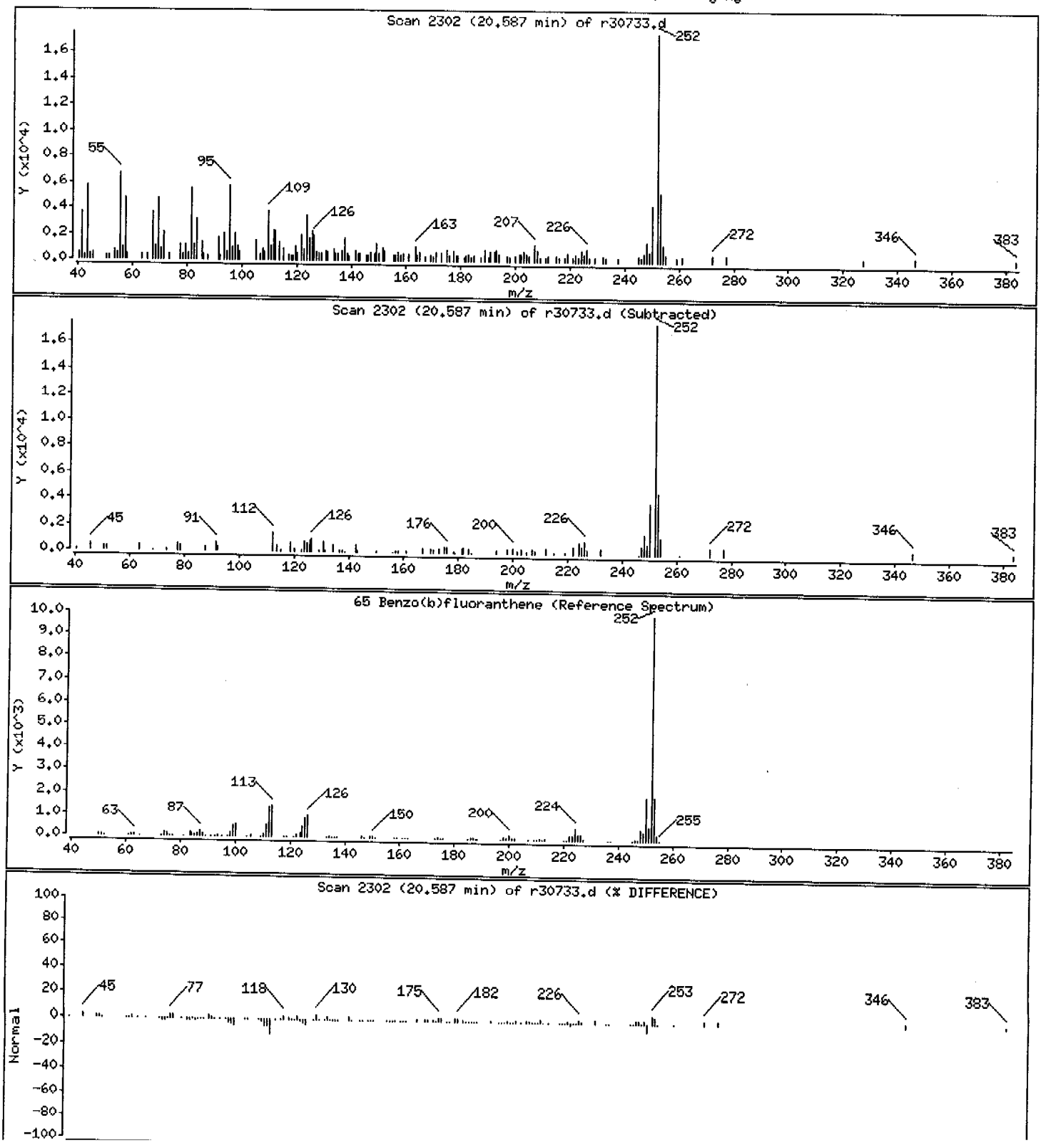
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 360 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

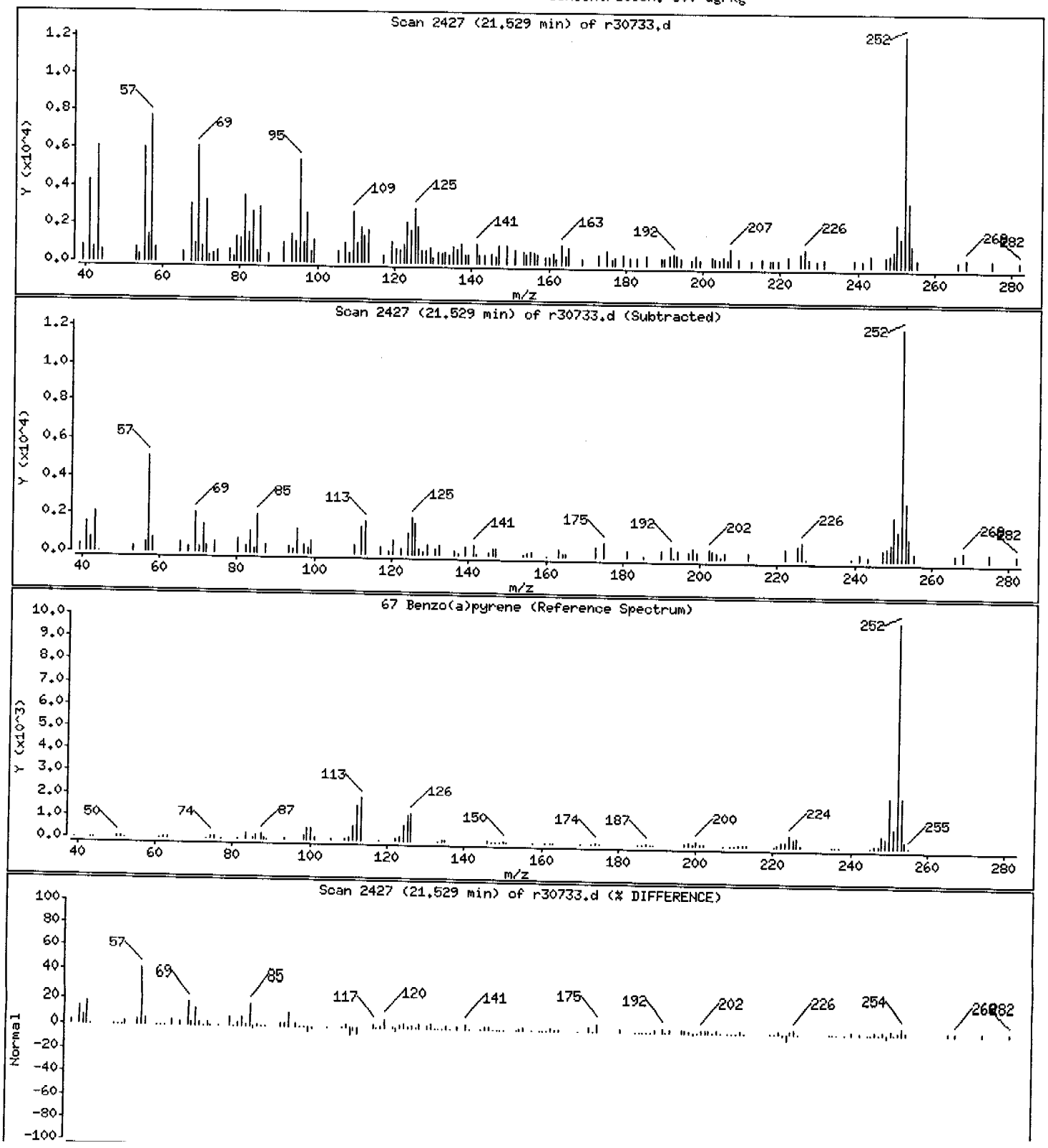
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 300 ug/Kg



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Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

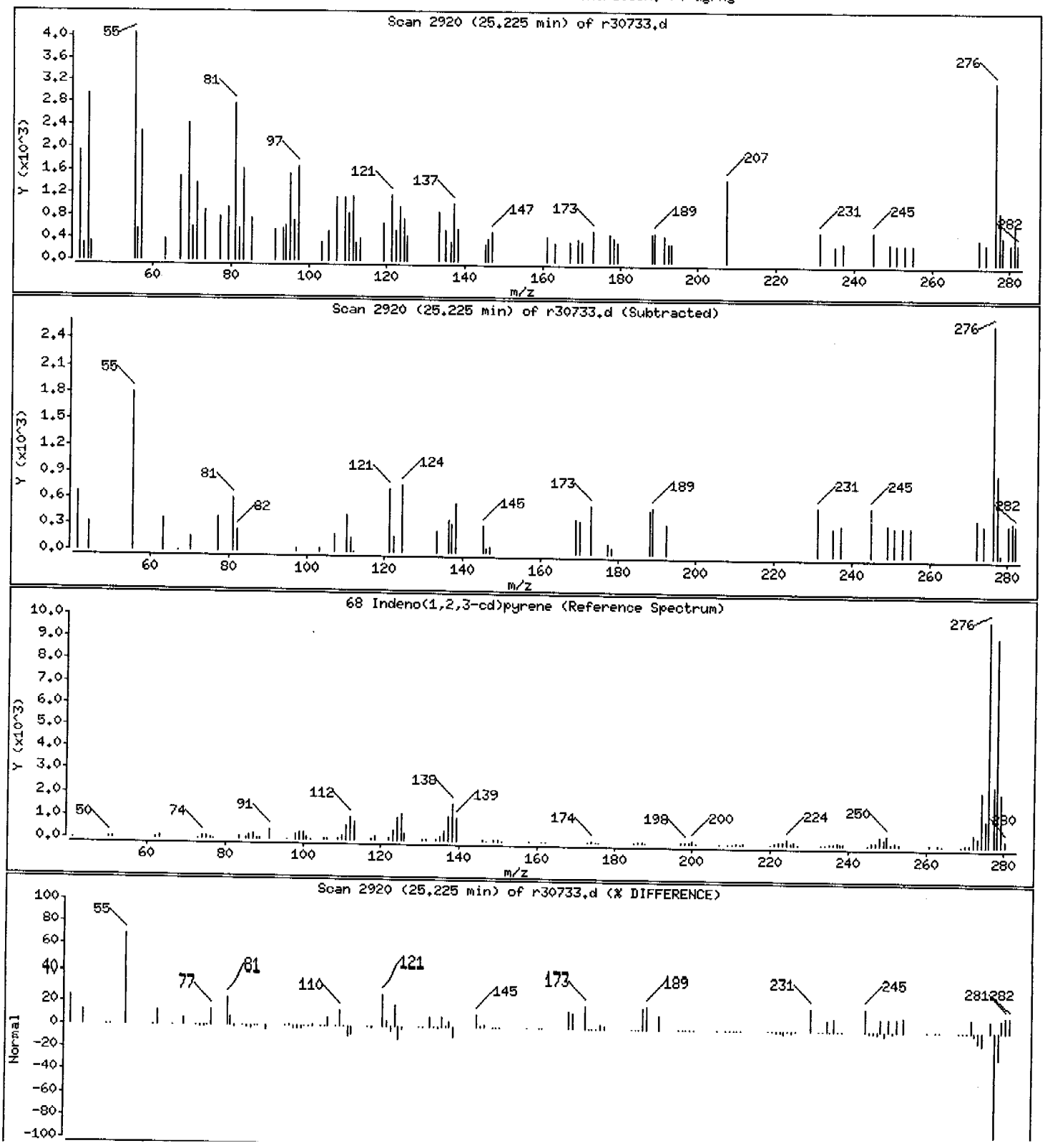
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene

Concentration: 74 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

Client ID: B201-SS02

Instrument: BNAMS1.i

Sample Info: 775268;3280897

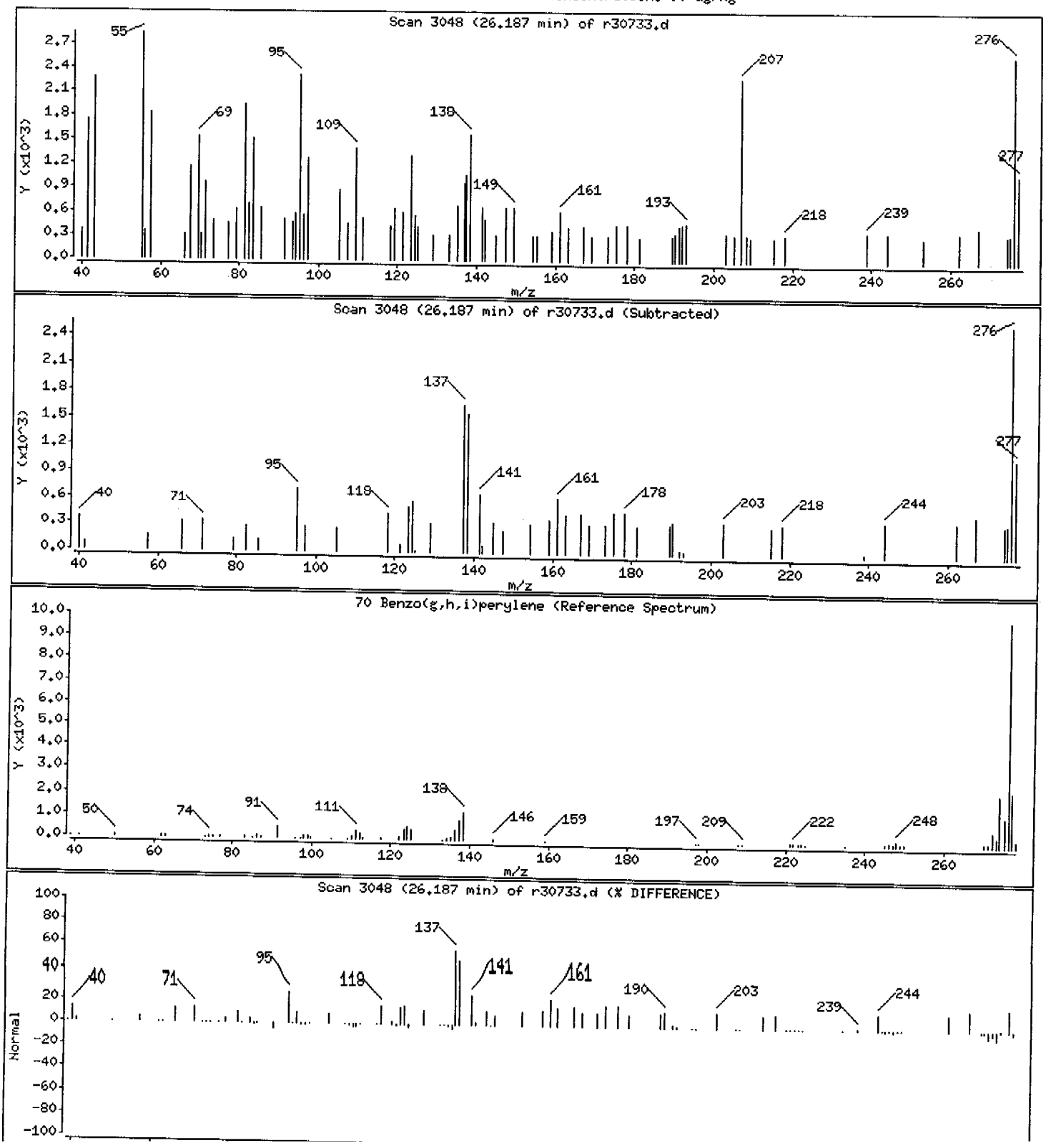
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

70 Benzo(g,h,i)perylene

Concentration: 90 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

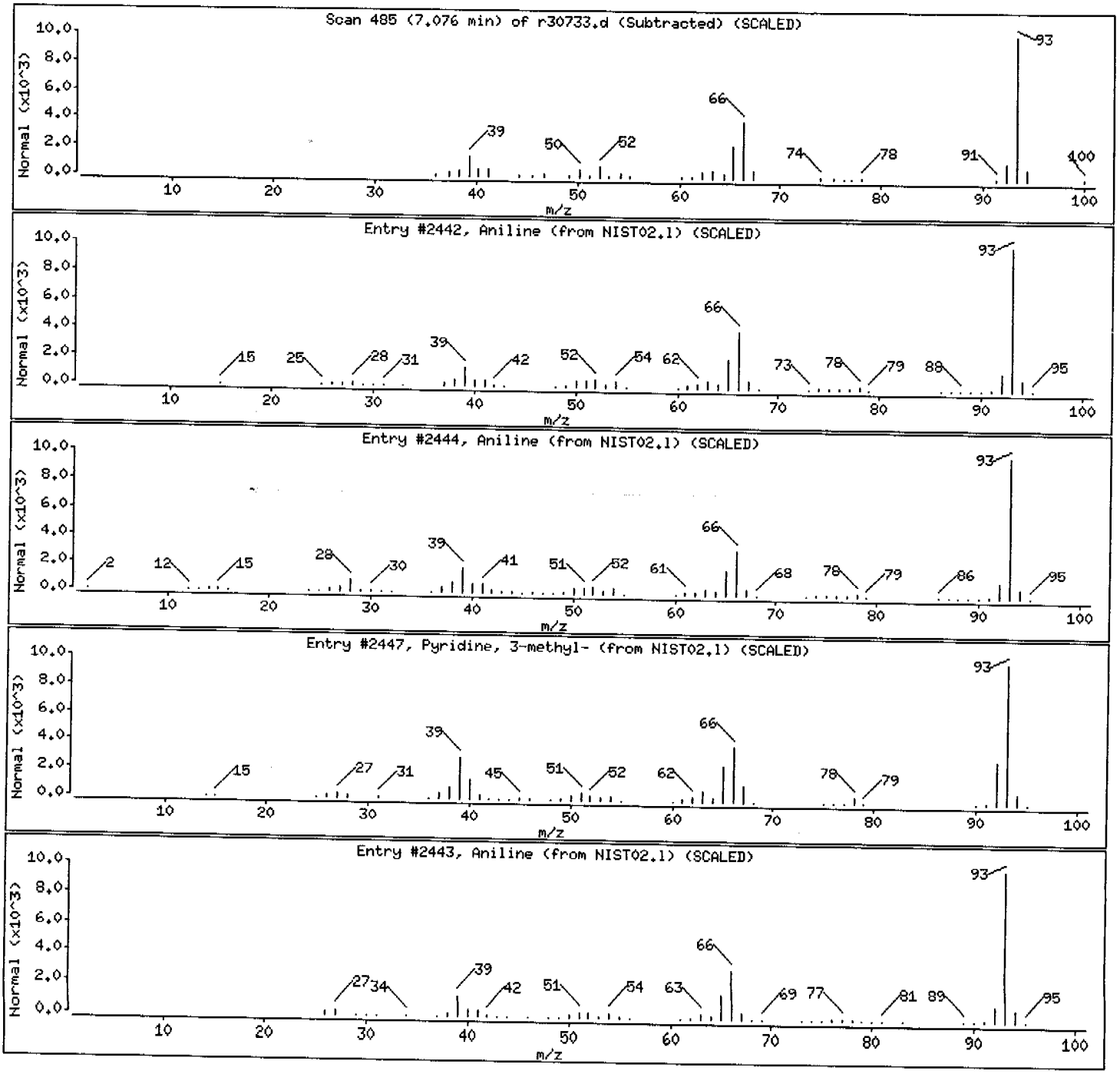
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Aniline	62-53-3	NIST02.l	2442	94	C6H7N	93
Aniline	62-53-3	NIST02.l	2444	91	C6H7N	93
Pyridine, 3-methyl-	108-99-6	NIST02.l	2447	91	C6H7N	93
Aniline	62-53-3	NIST02.l	2443	91	C6H7N	93



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

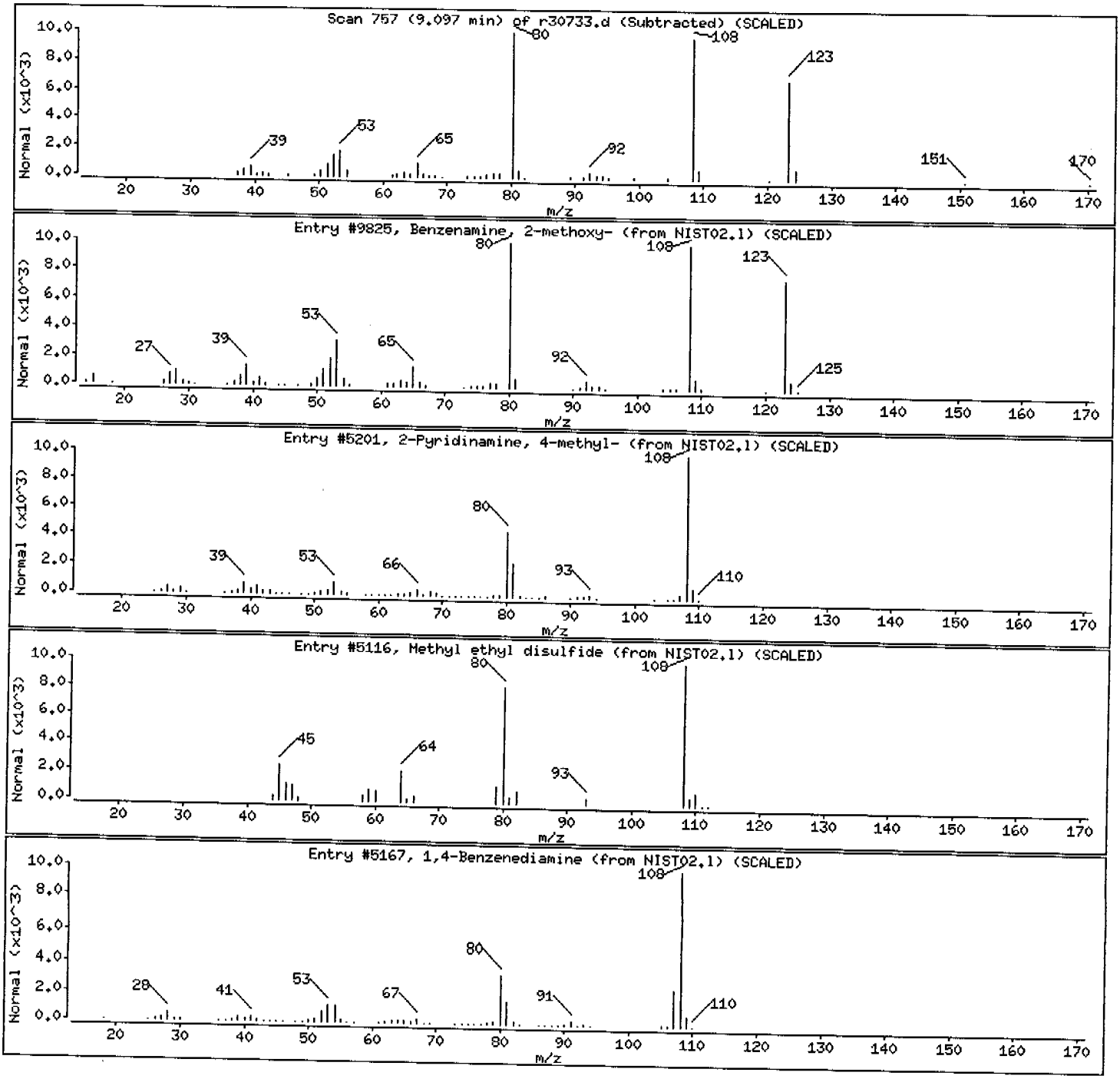
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268:3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzenamine, 2-methoxy-	90-04-0	NIST02.1	9825	94	C7H9NO	123
2-Pyridinamine, 4-methyl-	695-34-1	NIST02.1	5201	72	C6H8N2	108
Methyl ethyl disulfide	20333-39-5	NIST02.1	5116	72	C3H8S2	108
1,4-Benzenediamine	106-50-3	NIST02.1	5167	72	C6H8N2	108



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

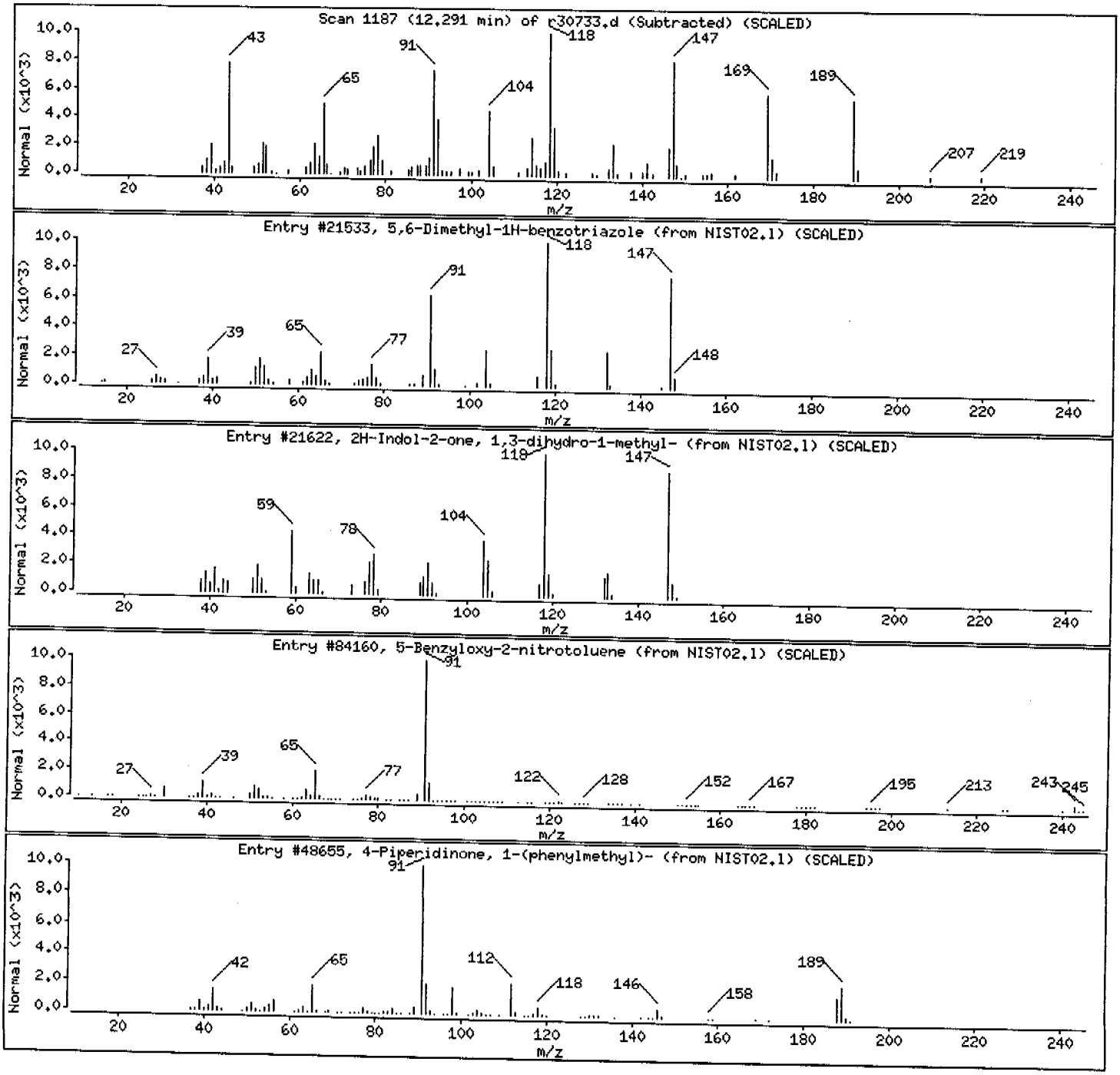
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5,6-Dimethyl-1H-benzotriazole	4184-79-6	NIST02.1	21533	38	C8H9N3	147
2H-Indol-2-one, 1,3-dihydro-1-methyl-	61-70-1	NIST02.1	21622	35	C9H9NO	147
5-Benzyloxy-2-nitrotoluene	22424-58-4	NIST02.1	84160	35	C14H13NO3	243
4-Piperidinone, 1-(phenylmethyl)-	3612-20-2	NIST02.1	48655	27	C12H15NO	189



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

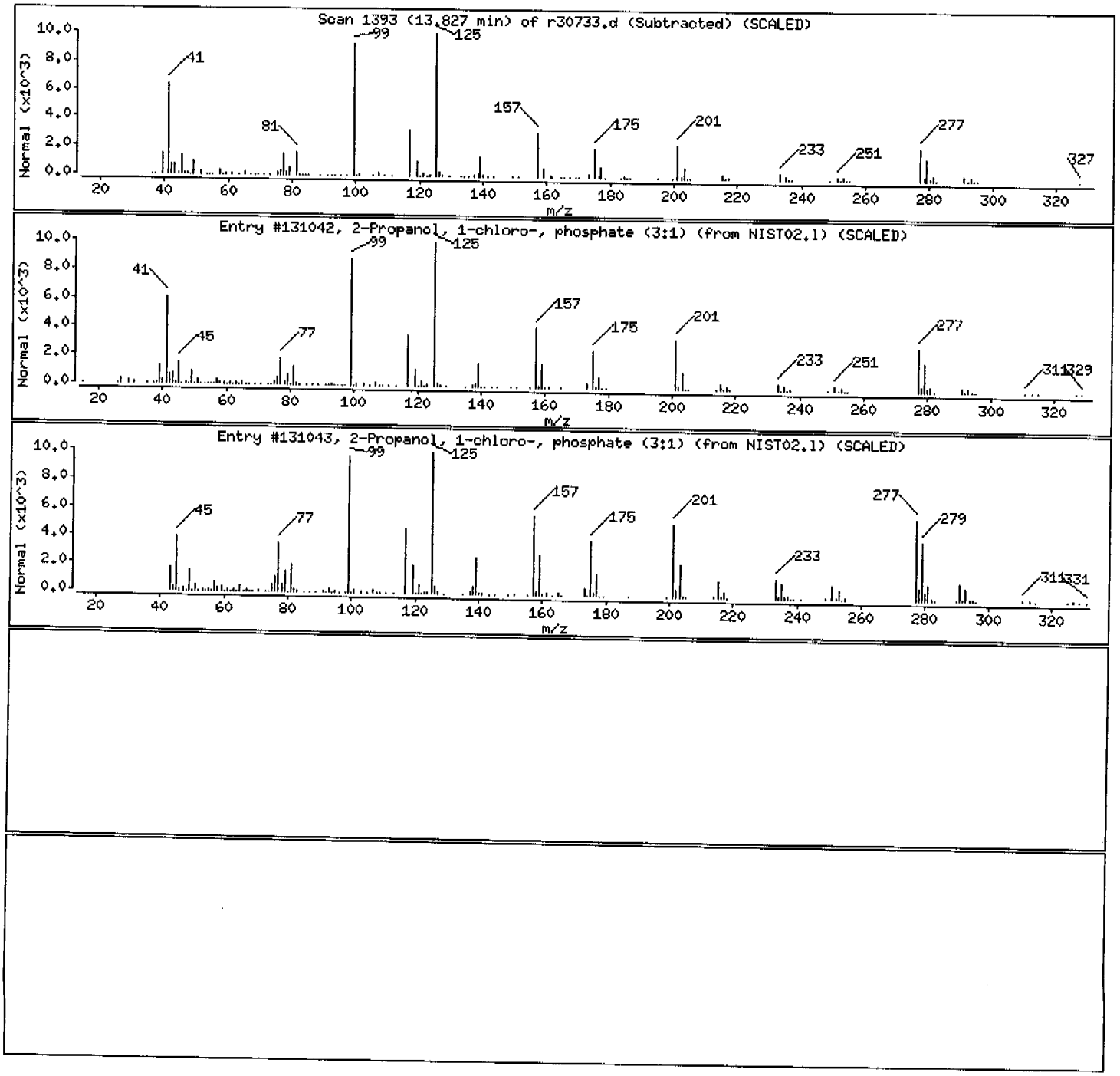
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanol, 1-chloro-, phosphate (3:1)	13674-84-5	NIST02.1	131042	91	C9H18Cl3O4P	326
2-Propanol, 1-chloro-, phosphate (3:1)	13674-84-5	NIST02.1	131043	22	C9H18Cl3O4P	326



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Date : 09-OCT-2006 16:55

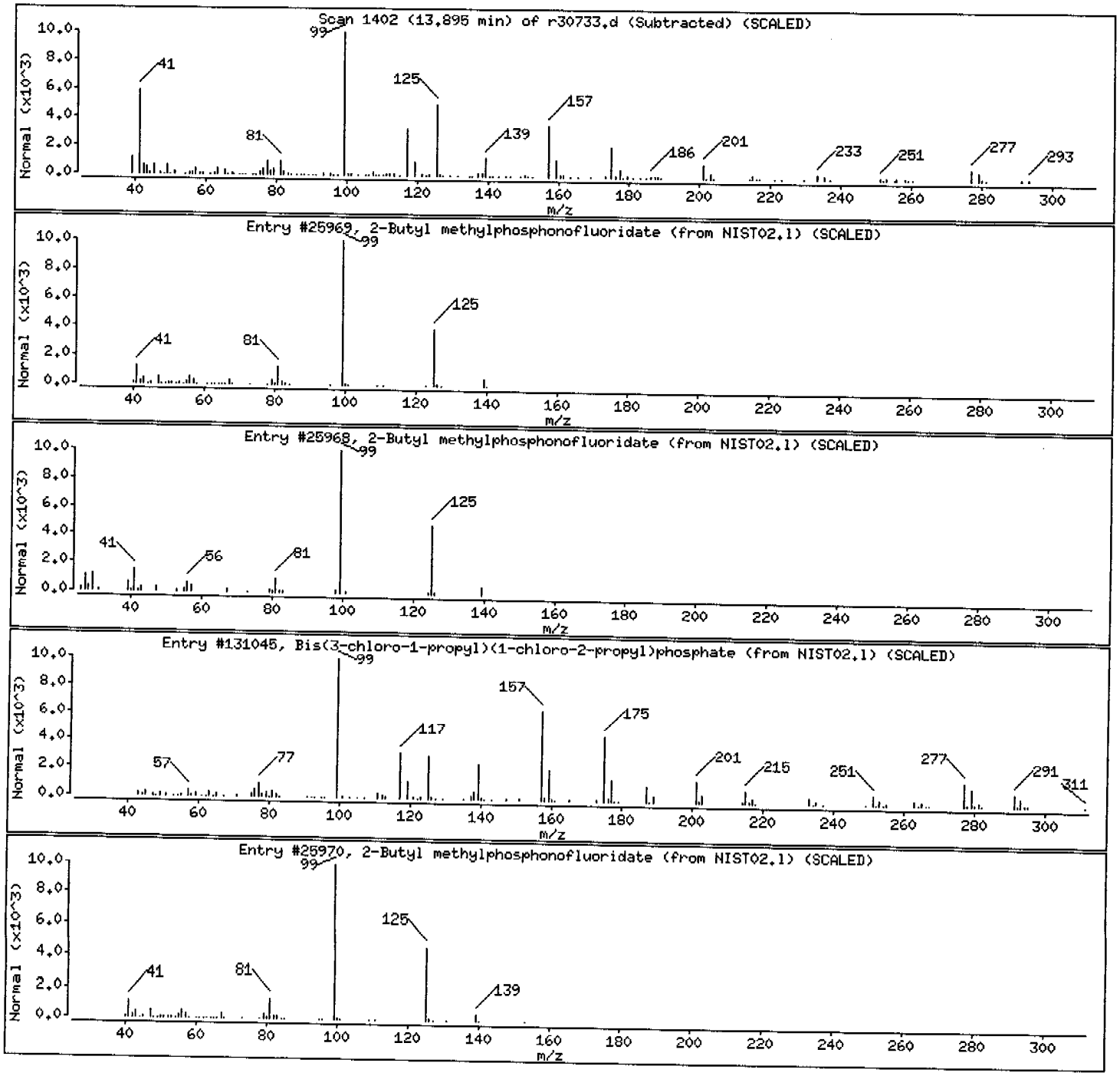
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Butyl methylphosphonofluoridate	352-52-3	NIST02.1	25969	47	C5H12FO2P	154
2-Butyl methylphosphonofluoridate	352-52-3	NIST02.1	25968	43	C5H12FO2P	154
Bis(3-chloro-1-propyl)(1-chloro-2-propyl	137888-35-8	NIST02.1	131045	38	C9H18Cl3O4P	326
2-Butyl methylphosphonofluoridate	352-52-3	NIST02.1	25970	37	C5H12FO2P	154



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Date : 09-OCT-2006 16:55

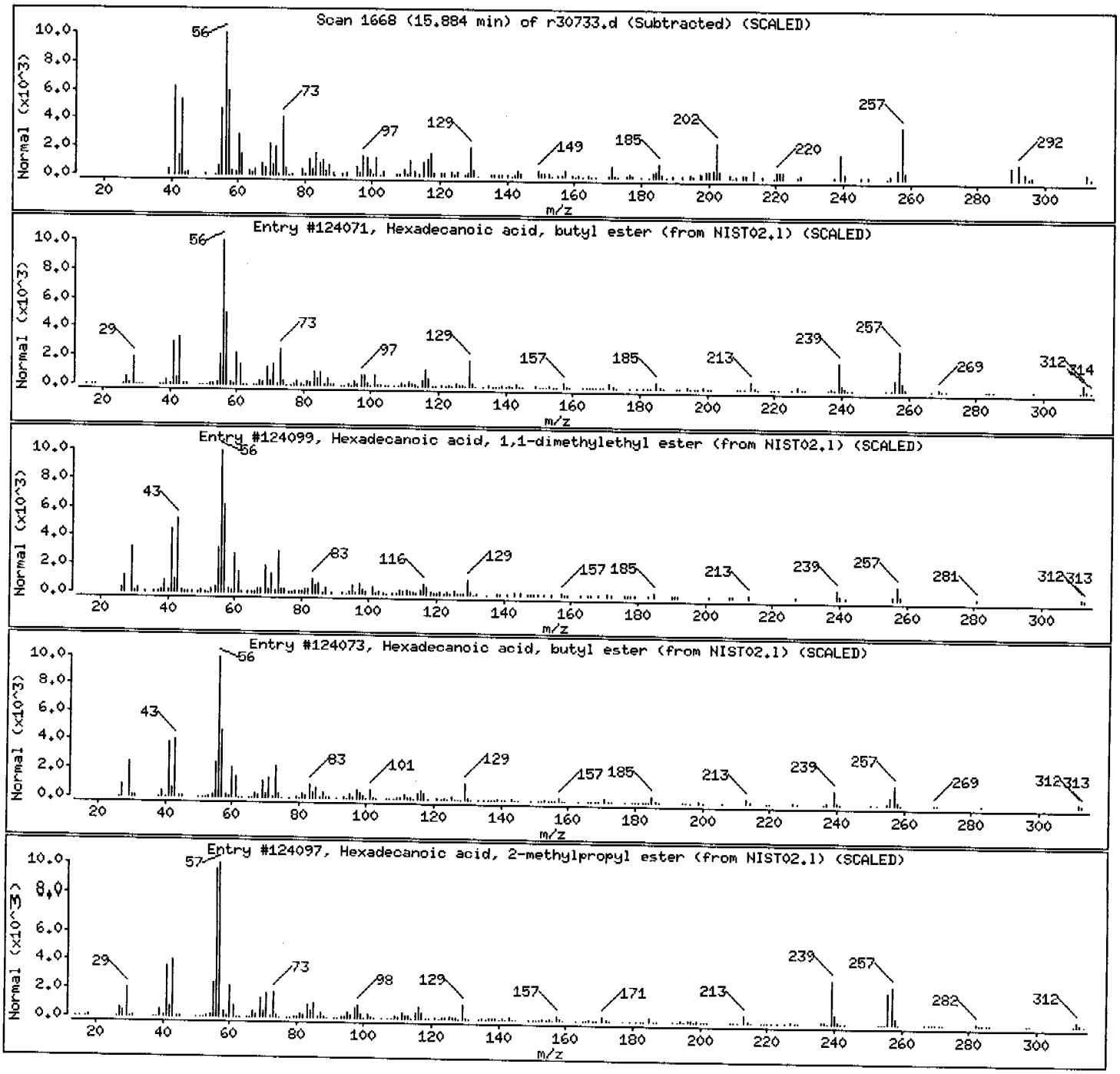
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Organic Acid						
Hexadecanoic acid, butyl ester	111-06-8	NIST02.l	124071	97	C20H4002	312
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST02.l	124099	93	C20H4002	312
Hexadecanoic acid, butyl ester	111-06-8	NIST02.l	124073	92	C20H4002	312
Hexadecanoic acid, 2-methylpropyl ester	110-34-9	NIST02.l	124097	70	C20H4002	312



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Date : 09-OCT-2006 16:55

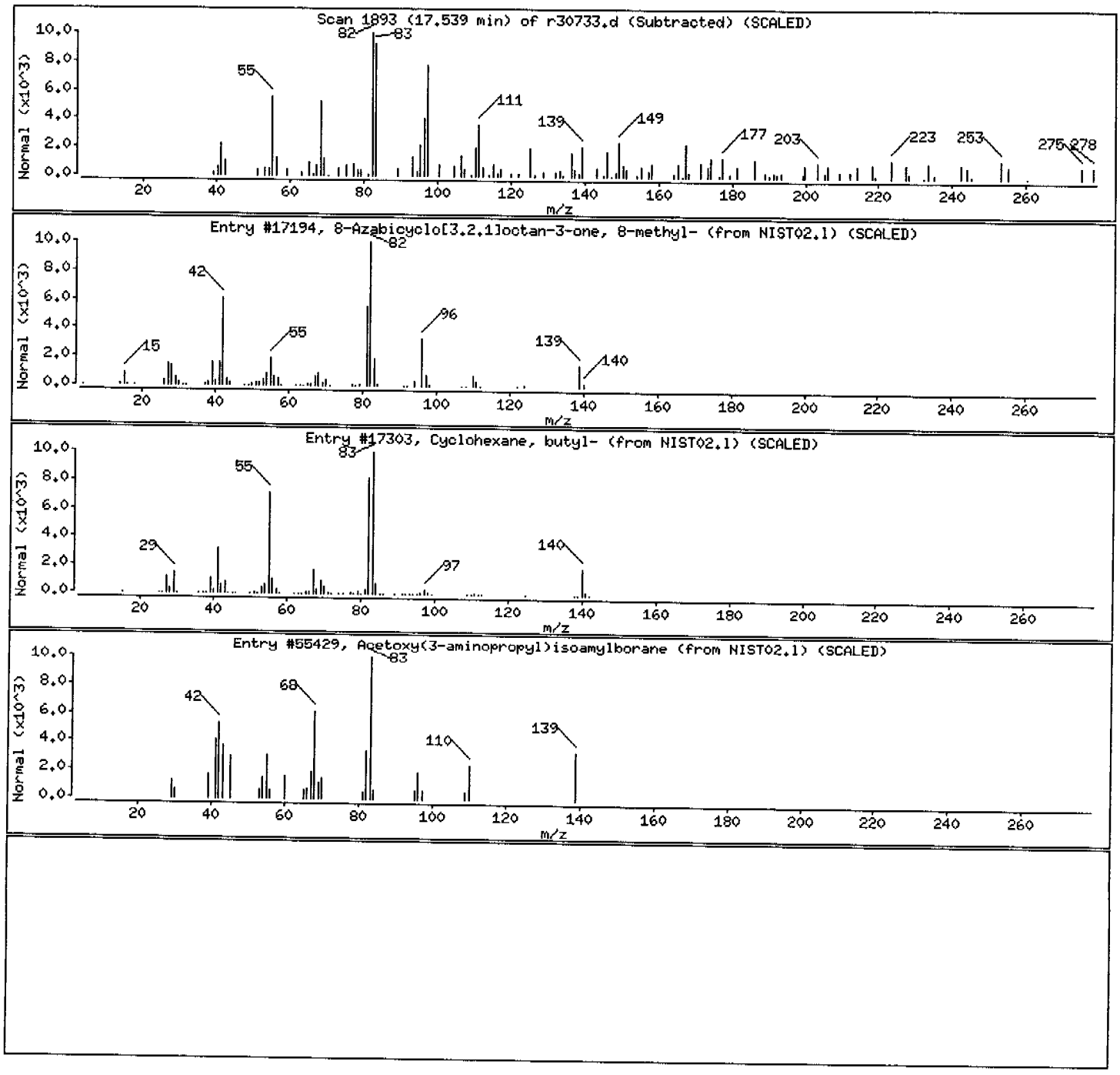
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
8-Azabicyclo[3.2.1]octan-3-one, 8-methyl	532-24-1	NIST02.l	17194	27	C8H13NO	139
Cyclohexane, butyl-	1678-93-9	NIST02.l	17303	27	C10H20	140
Acetoxy(3-aminopropyl)isoamylborane	31569-49-0	NIST02.l	55429	22	C10H22BNO2	199



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Date : 09-OCT-2006 16:55

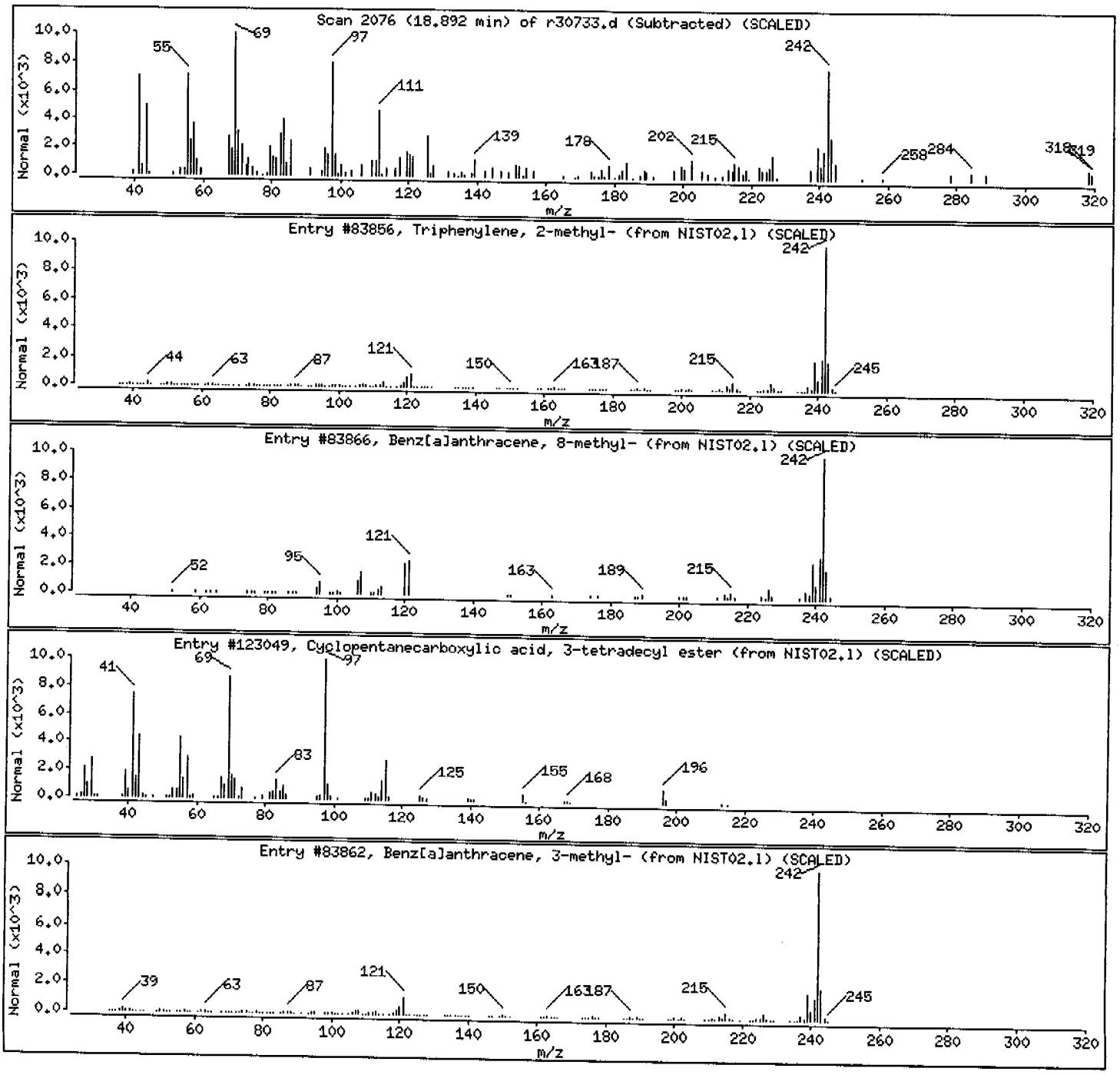
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Triphenylene, 2-methyl-	1705-84-6	NIST02.1	83856	45	C19H14	242
Benz[a]anthracene, 8-methyl-	2381-31-9	NIST02.1	83866	35	C19H14	242
Cyclopentanecarboxylic acid, 3-tetradecy	1000280-58-8	NIST02.1	123049	27	C20H3802	310
Benz[a]anthracene, 3-methyl-	2498-75-1	NIST02.1	83862	25	C19H14	242



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

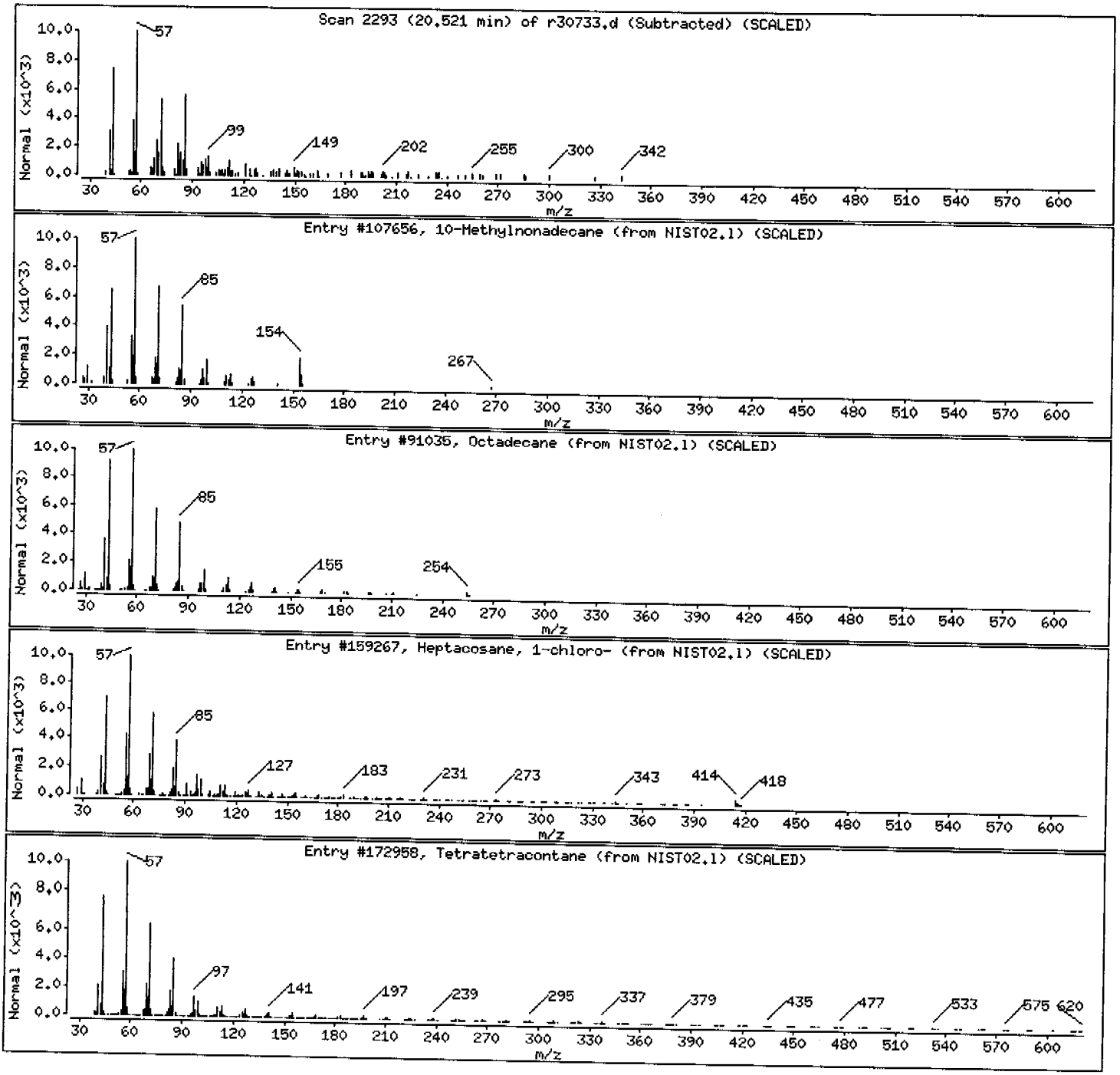
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
10-Methylnonadecane	56862-62-5	NIST02.l	107656	80	C20H42	282
Octadecane	593-45-3	NIST02.l	91035	64	C18H38	254
Heptacosane, 1-chloro-	62016-79-9	NIST02.l	159267	64	C27H55Cl	414
Tetratetracontane	7098-22-8	NIST02.l	172958	64	C44H90	619



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30733.d

Date : 09-OCT-2006 16:55

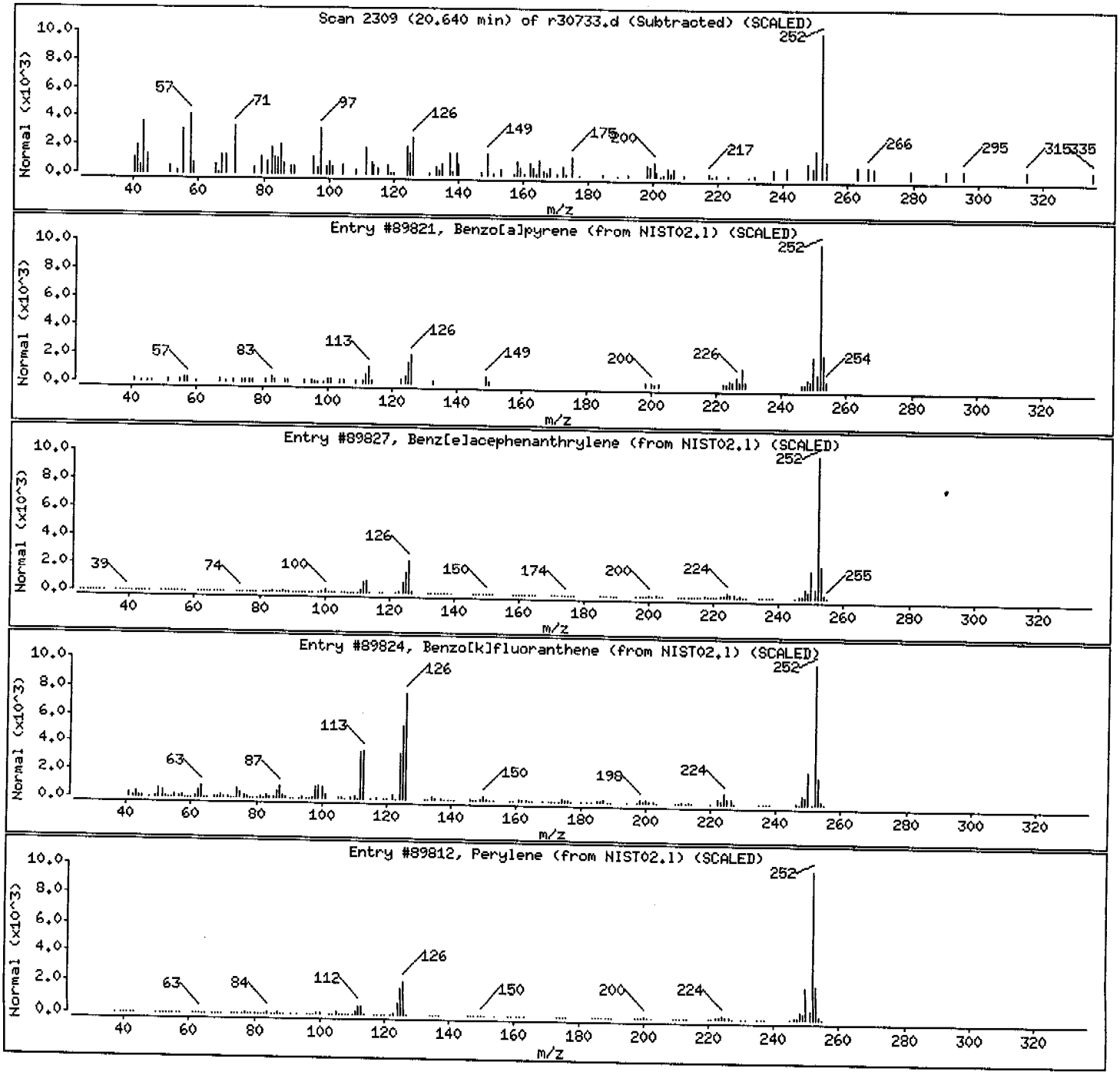
Client ID: B201-SS02 Instrument: BNAMS1.i

Sample Info: 775268;3280897

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[a]pyrene	50-32-8	NIST02.l	89821	43	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89827	43	C20H12	252
Benzo[k]fluoranthene	207-08-9	NIST02.l	89824	37	C20H12	252
Perylene	198-55-0	NIST02.l	89812	37	C20H12	252



Client ID: **B202-SS01**
Site: Sun Chemical SI

Lab Sample No: **775269**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30700.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	180
1,3-Dichlorobenzene	ND	1800
1,4-Dichlorobenzene	ND	1800
1,2-Dichlorobenzene	ND	1800
bis(2-chloroisopropyl)ether	ND	1800
N-Nitroso-di-n-propylamine	ND	180
Hexachloroethane	ND	180
Nitrobenzene	ND	180
Isophorone	ND	1800
bis(2-Chloroethoxy)methane	ND	1800
1,2,4-Trichlorobenzene	ND	180
Naphthalene	ND	1800
4-Chloroaniline	ND	1800
Hexachlorobutadiene	ND	360
2-Methylnaphthalene	ND	1800
Hexachlorocyclopentadiene	ND	1800
2-Chloronaphthalene	ND	1800
2-Nitroaniline	ND	3600
Dimethylphthalate	ND	1800
Acenaphthylene	180 J	1800
2,6-Dinitrotoluene	ND	360
3-Nitroaniline	ND	3600
Acenaphthene	58 J	1800
Dibenzofuran	ND	1800
2,4-Dinitrotoluene	ND	360
Diethylphthalate	ND	1800
4-Chlorophenyl-phenylether	ND	1800
Fluorene	60 J	1800
4-Nitroaniline	ND	3600
N-Nitrosodiphenylamine	ND	1800
4-Bromophenyl-phenylether	ND	1800
Hexachlorobenzene	ND	180
Phenanthrene	840 J	1800
Anthracene	330 J	1800

Client ID: **B202-SS01**
Site: Sun Chemical SI

Lab Sample No: **775269**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30700.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	1800
Di-n-butylphthalate	ND	1800
Fluoranthene	1800 J	1800
Pyrene	3200	1800
Butylbenzylphthalate	ND	1800
3,3'-Dichlorobenzidine	ND	3600
Benzo(a)anthracene	1500	180
Chrysene	1400 J	1800
bis(2-Ethylhexyl)phthalate	ND	1800
Di-n-octylphthalate	ND	1800
Benzo(b)fluoranthene	1100	180
Benzo(k)fluoranthene	1600	180
Benzo(a)pyrene	1500	180
Indeno(1,2,3-cd)pyrene	350	180
Dibenz(a,h)anthracene	ND	180
Benzo(g,h,i)perylene	320 J	1800

Client ID: **B202-SS01**
Site: Sun Chemical SI

Lab Sample No: **775269**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30700.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 7.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C20H12 PAH	21.48	1500	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	1500

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d
Lab Smp Id: 775269 Client Smp ID: B202-SS01
Inj Date : 06-OCT-2006 18:28
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775269;3280899
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 15
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	7.60000	% Moisture

Cpnd Variable Local Compound Variable

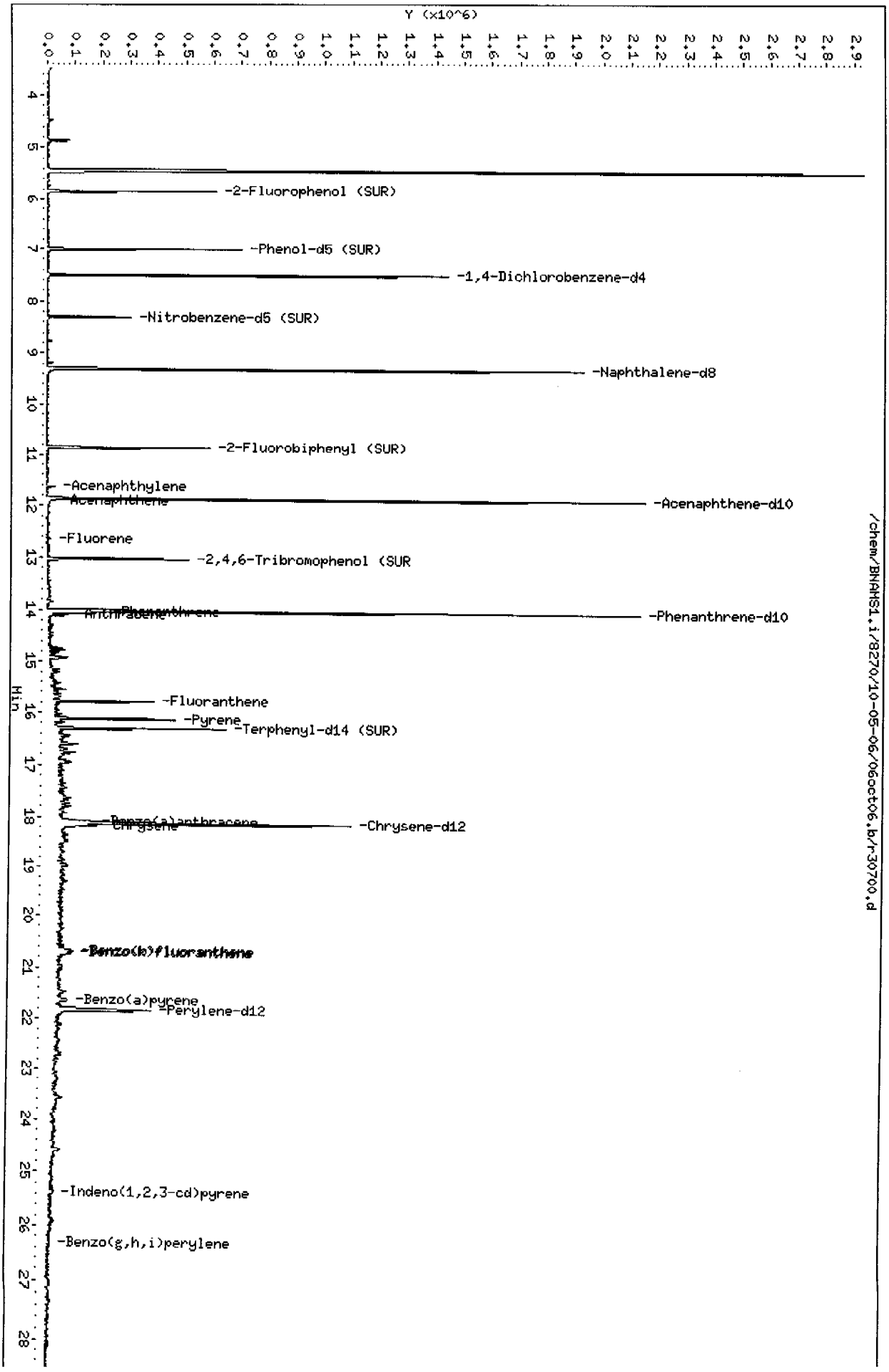
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.838	5.826	(0.778)	221739	19.3775	7000
$ 17 Phenol-d5 (SUR)	99	7.009	7.012	(0.934)	299983	21.0888	7600
* 79 1,4-Dichlorobenzene-d4	152	7.505	7.499	(1.000)	305543	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.302	8.302	(0.893)	116424	9.49364	3400
* 80 Naphthalene-d8	136	9.302	9.293	(1.000)	1196422	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.847	10.848	(0.914)	240930	10.5080	3800
39 Acenaphthylene	152	11.646	11.641	(0.981)	15729	0.48931	180(a)
* 82 Acenaphthene-d10	164	11.868	11.858	(1.000)	769617	40.0000	
42 Acenaphthene	154	11.912	11.910	(1.004)	3164	0.16195	58(a)
47 Fluorene	166	12.635	12.640	(1.065)	4122	0.16708	60(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	13.019	13.021	(1.097)	69273	16.3678	5900
* 83 Phenanthrene-d10	188	14.011	14.005	(1.000)	1218725	40.0000	
52 Phenanthrene	178	14.041	14.043	(1.002)	84158	2.33238	840(a)
53 Anthracene	178	14.101	14.111	(1.006)	33455	0.92730	330(a)

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	56 Fluoranthene	202	15.787	15.790	(1.127)	190317	5.14493	1800(a)
	57 Pyrene	202	16.122	16.124	(0.889)	219086	8.94704	3200
$	78 Terphenyl-d14 (SUR)	244	16.301	16.302	(0.899)	212125	12.6364	4600
	61 Benzo(a)anthracene	228	18.081	18.093	(0.997)	89696	4.26746	1500
*	81 Chrysene-d12	240	18.134	18.137	(1.000)	763983	40.0000	
	62 Chrysene	228	18.171	18.190	(1.002)	75946	3.87743	1400(a)
	65 Benzo(b)fluoranthene	252	20.670	20.711	(0.947)	36411	3.13220	1100(H)
	66 Benzo(k)fluoranthene	252	20.729	20.779	(0.950)	45259	4.48555	1600
	67 Benzo(a)pyrene	252	21.635	21.672	(0.991)	40705	4.16256	1500
*	84 Perylene-d12	264	21.830	21.844	(1.000)	304693	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.356	25.392	(1.162)	9425	0.97212	350(MH)
	70 Benzo(g,h,i)perylene	276	26.334	26.408	(1.206)	7438	0.88065	320(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.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Date : 06-OCT-2006 18:28
Client ID: B202-SS01
Sample Info: 775269;3290899
Column phase: DB-5
Instrument: BNANS1.i
Operator: BNANS 4
Column diameter: 0.25
/chem/BNANS1.i/8270/10-05-06/06oct06.b/r30700.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

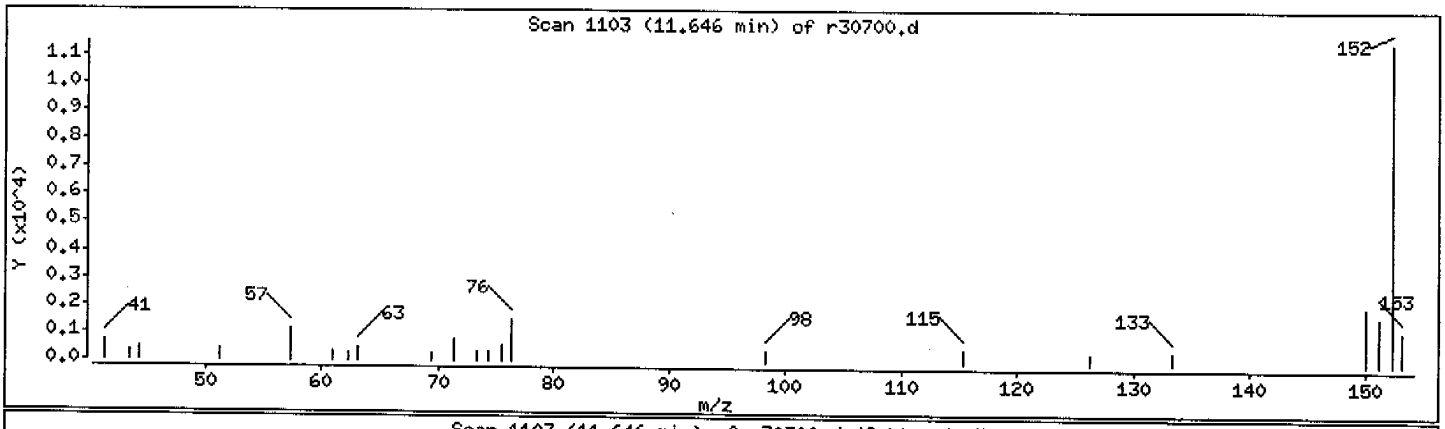
Client ID: B202-SS01 Instrument: BNAMS1.i

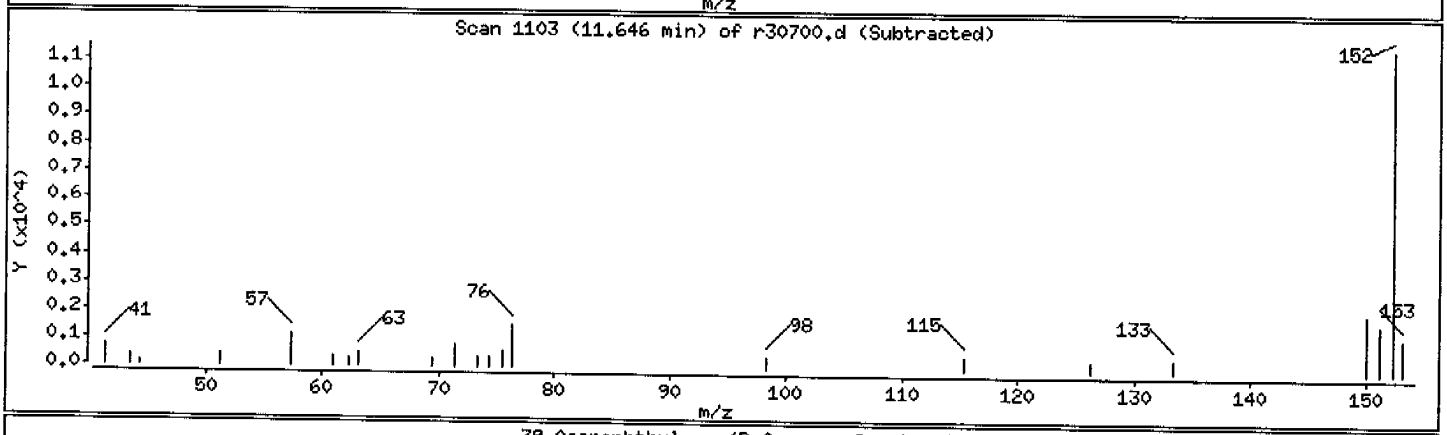
Sample Info: 775269;3280899

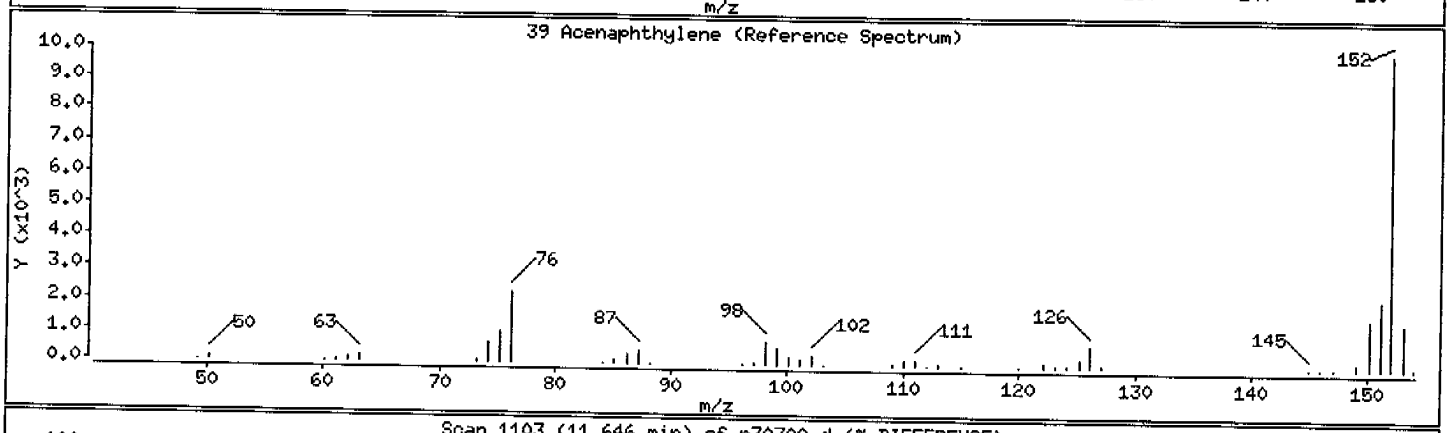
Operator: BNAMS 4

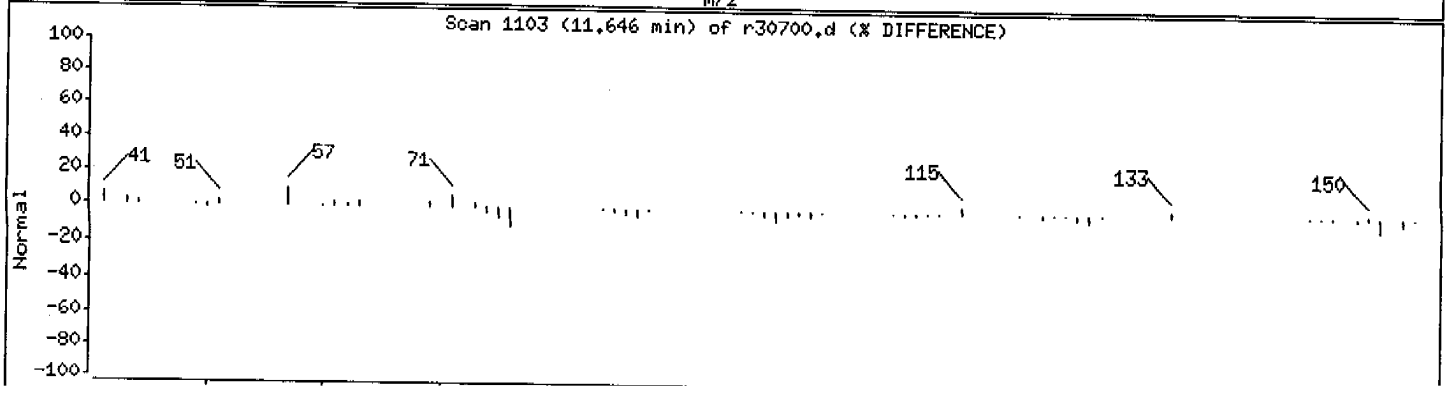
Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 180 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

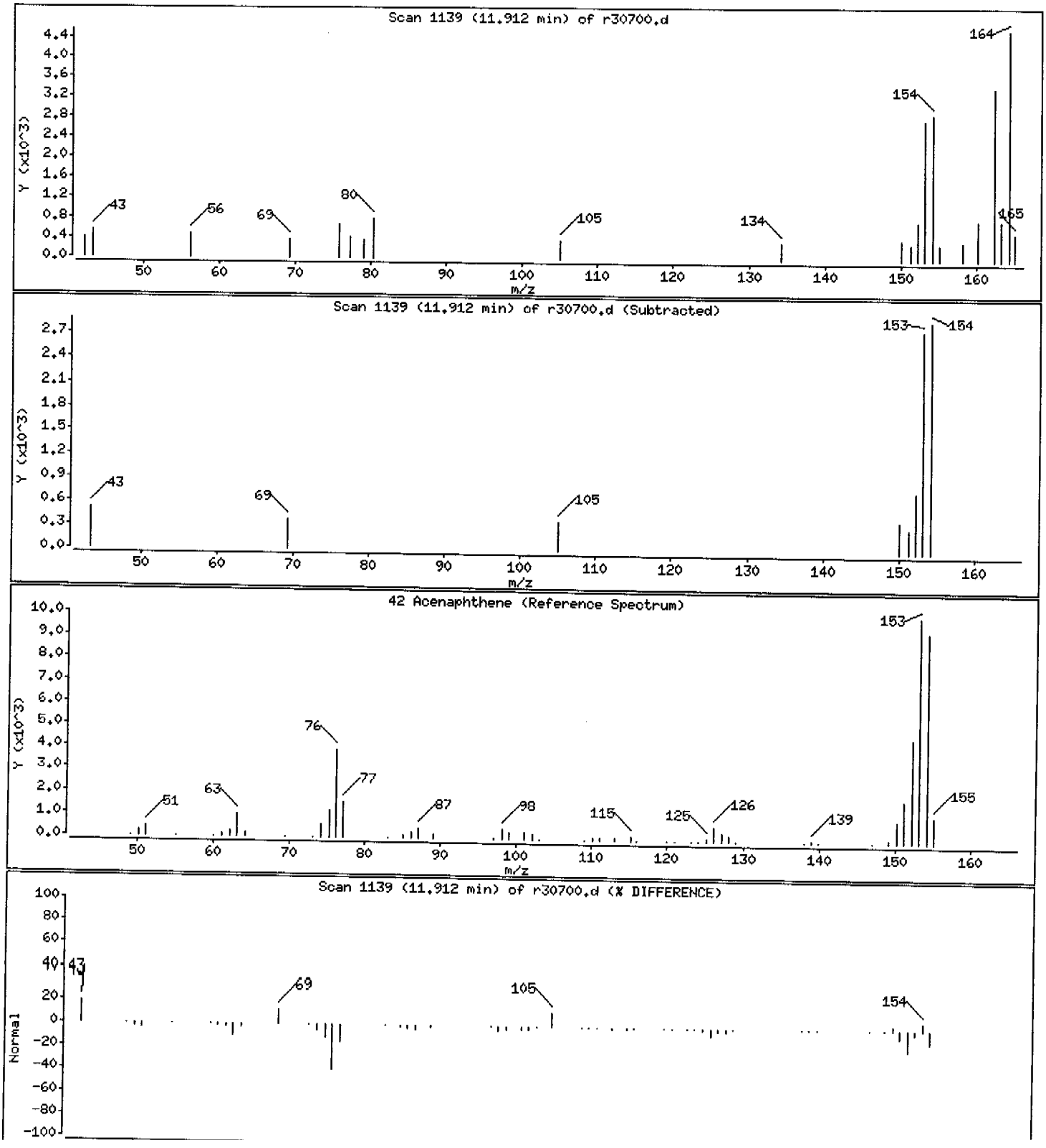
Client ID: B202-SS01 Instrument: BNAMS1.i

Sample Info: 775269;3280899

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 58 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

Client ID: B202-SS01

Instrument: BNAMS1.i

Sample Info: 775269;3280899

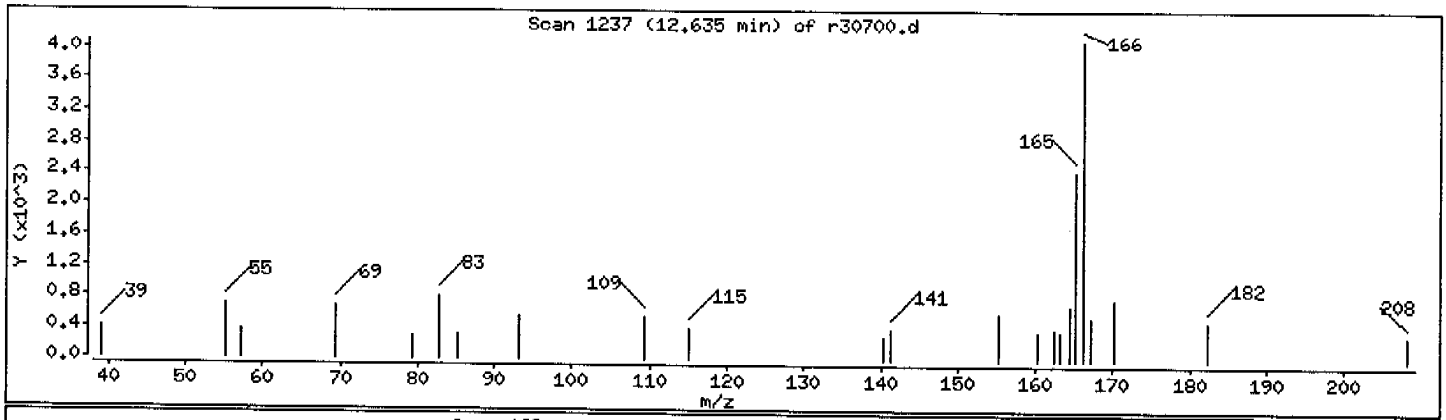
Operator: BNAMS 4

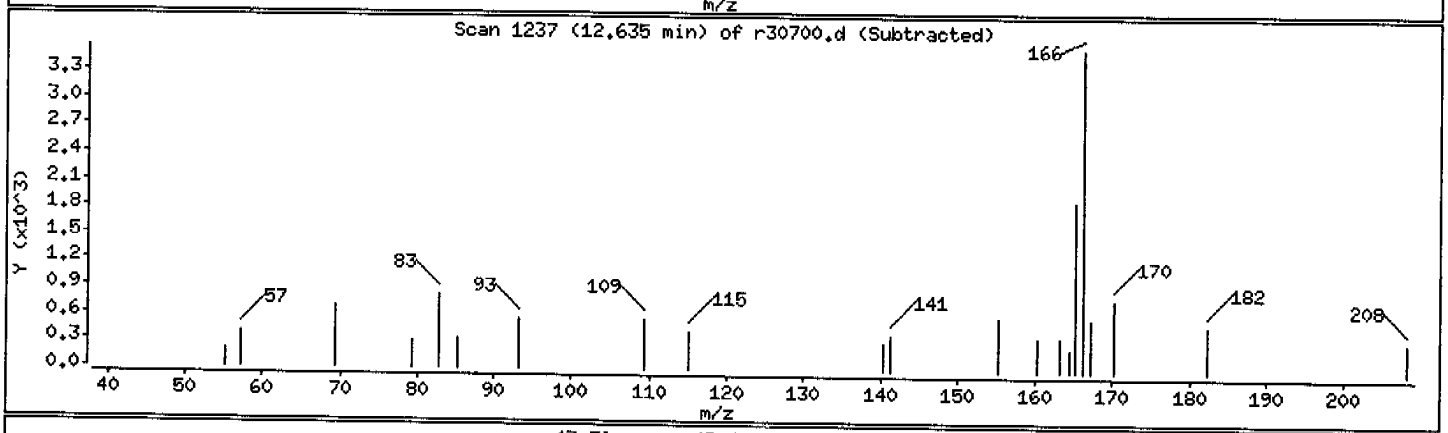
Column phase: DB-5

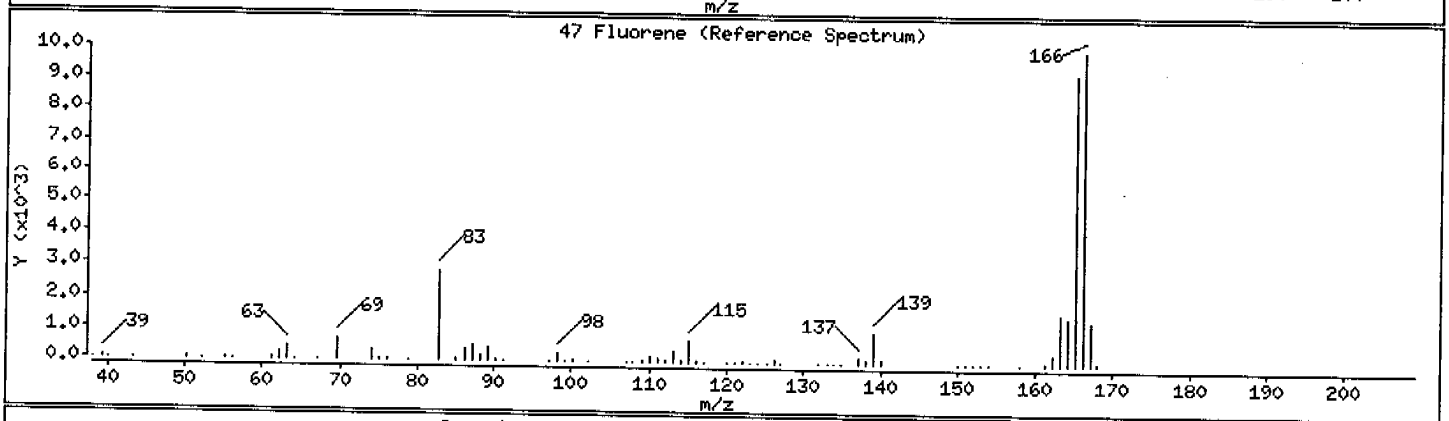
Column diameter: 0.25

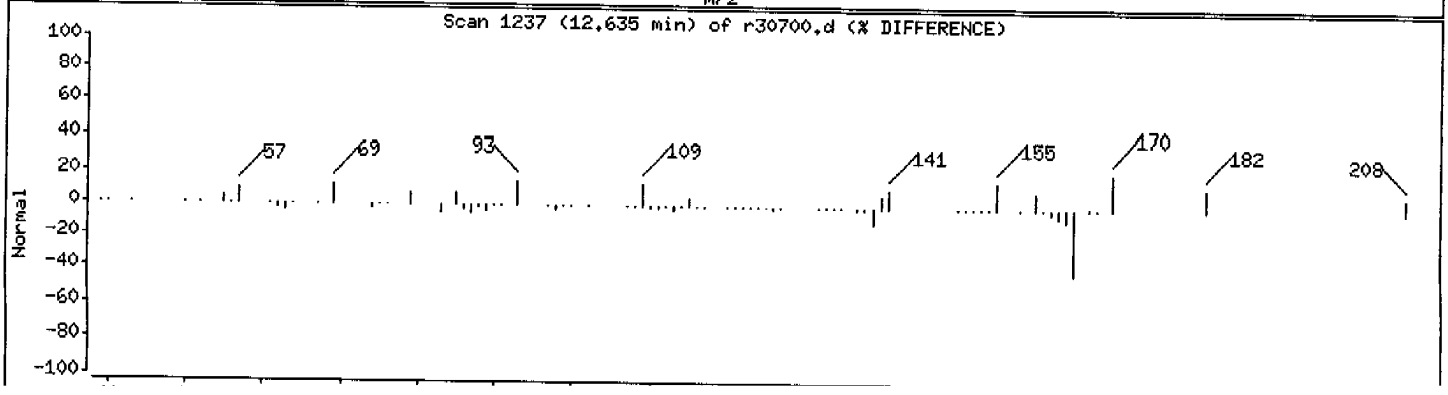
47 Fluorene

Concentration: 60 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

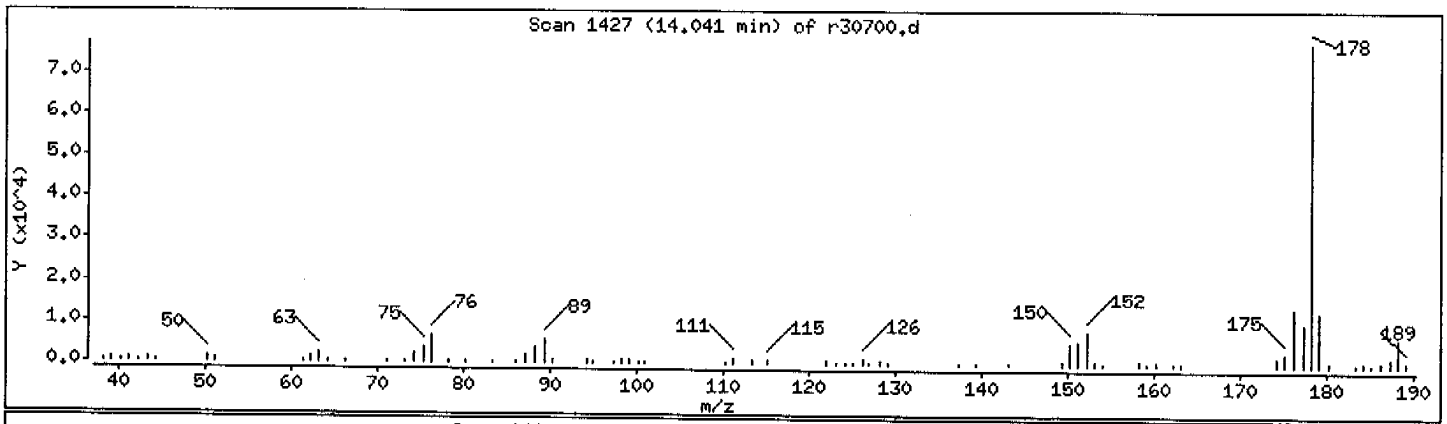
Client ID: B202-SS01 Instrument: BNAMS1.i

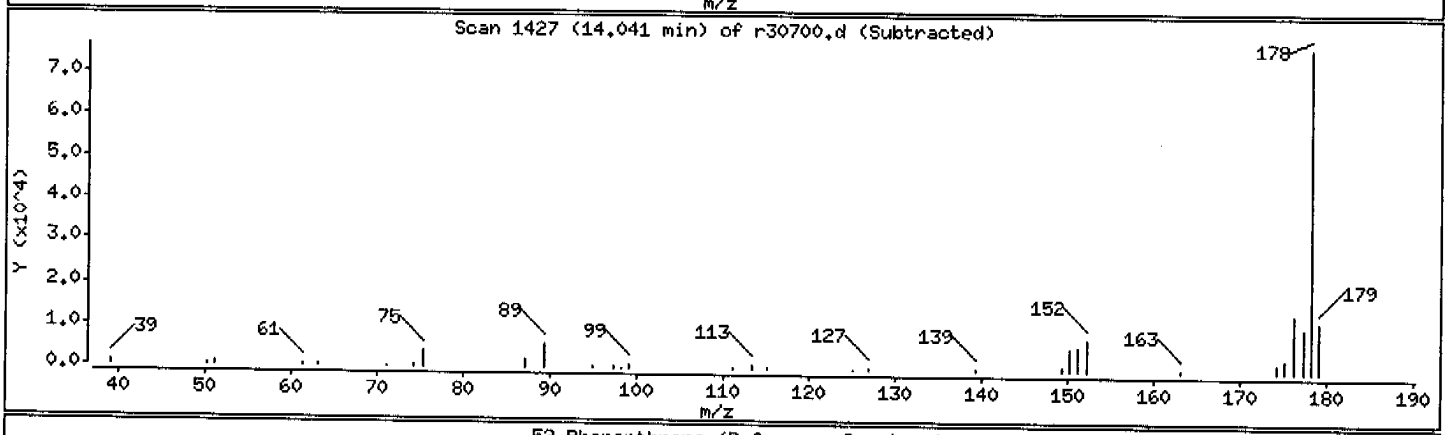
Sample Info: 775269;3280899

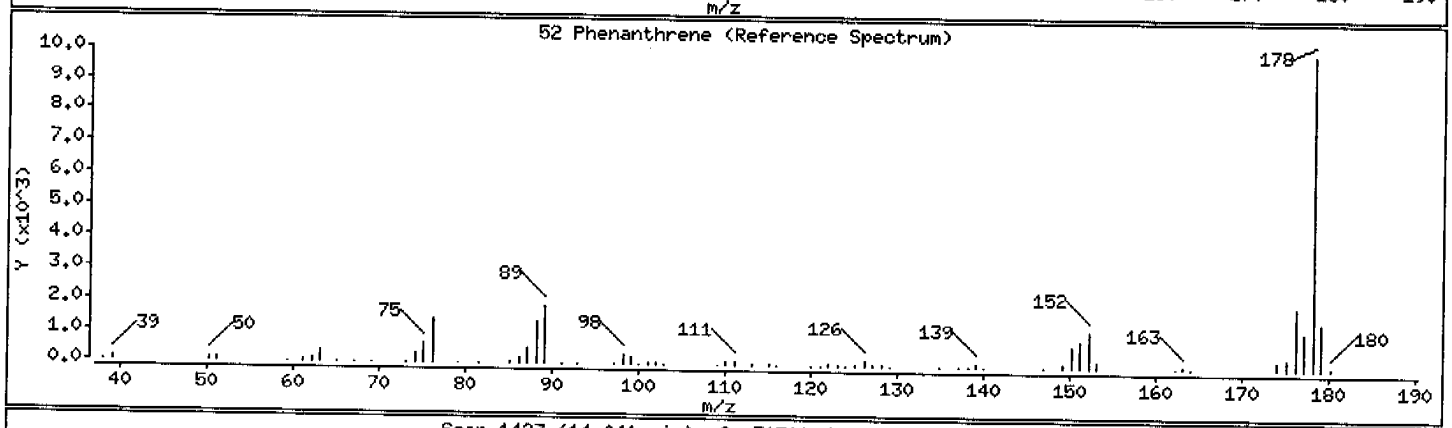
Operator: BNAMS 4

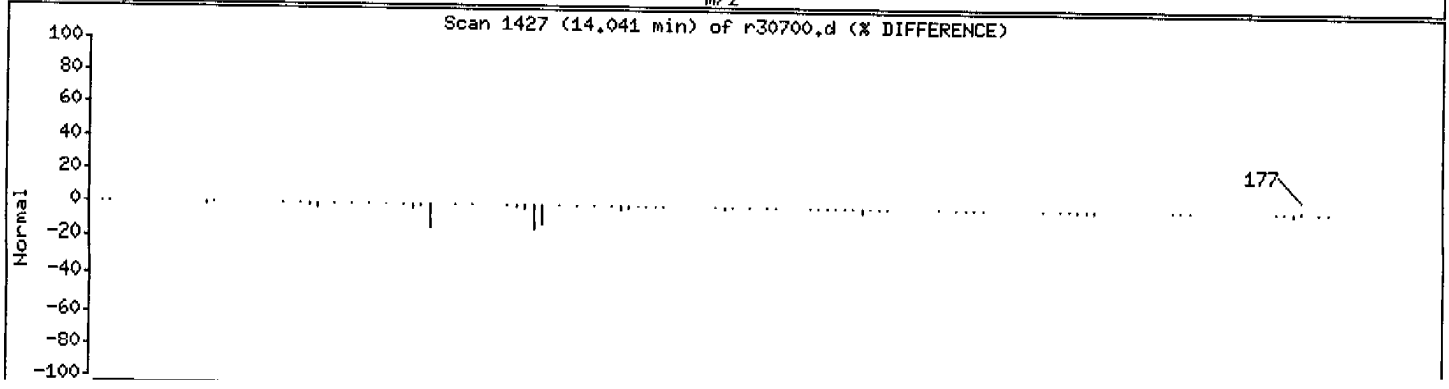
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 840 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

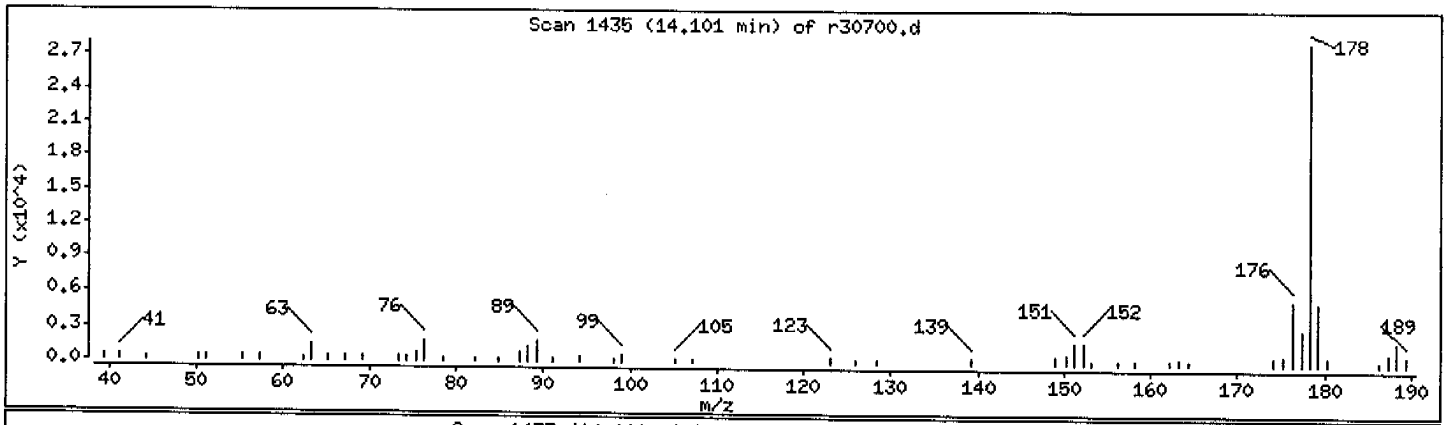
Client ID: B202-SS01 Instrument: BNAMS1.i

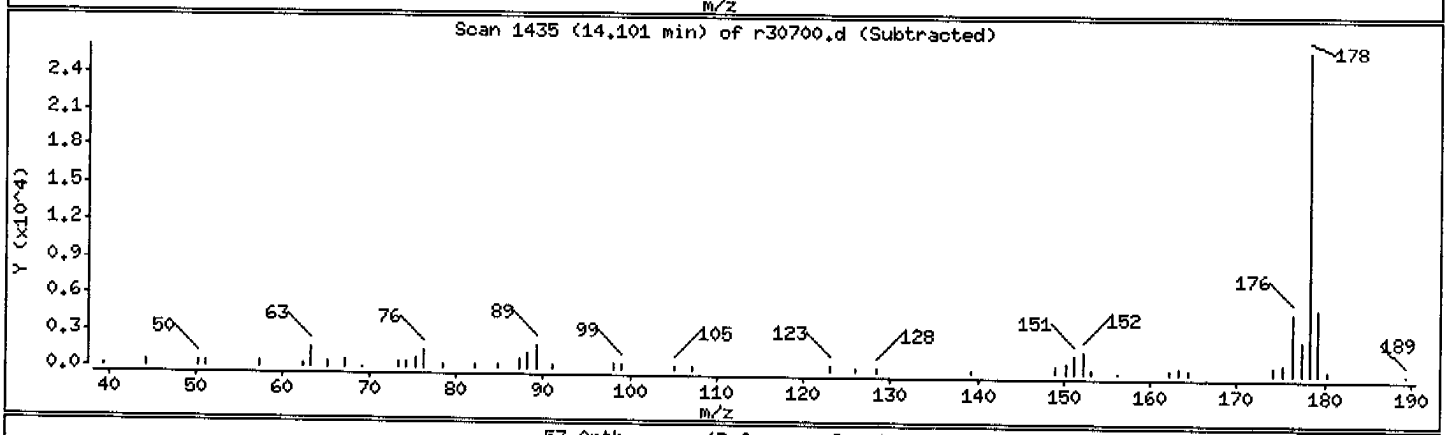
Sample Info: 775269;3280899

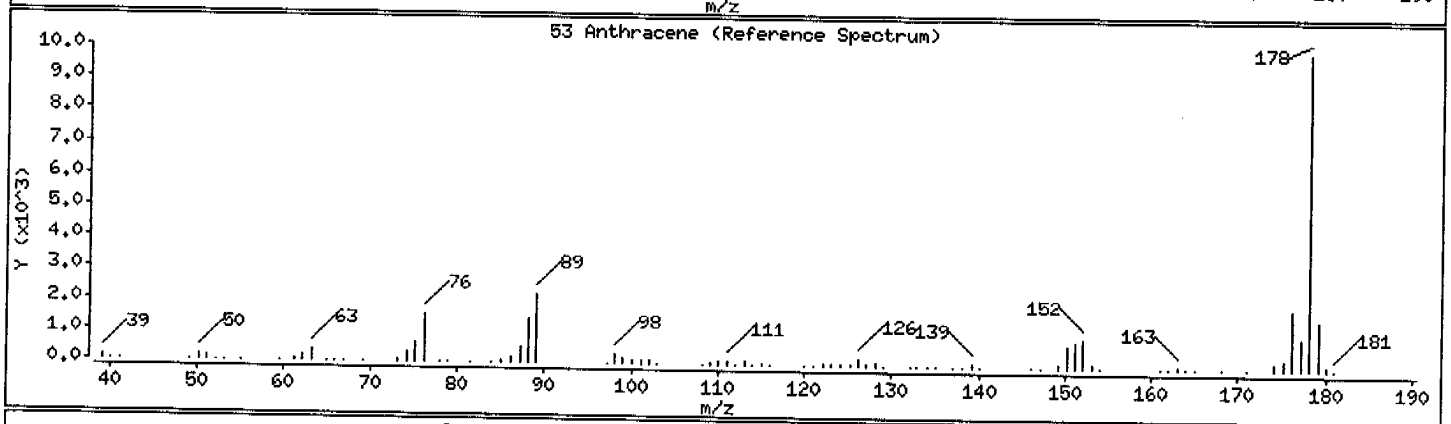
Operator: BNAMS 4

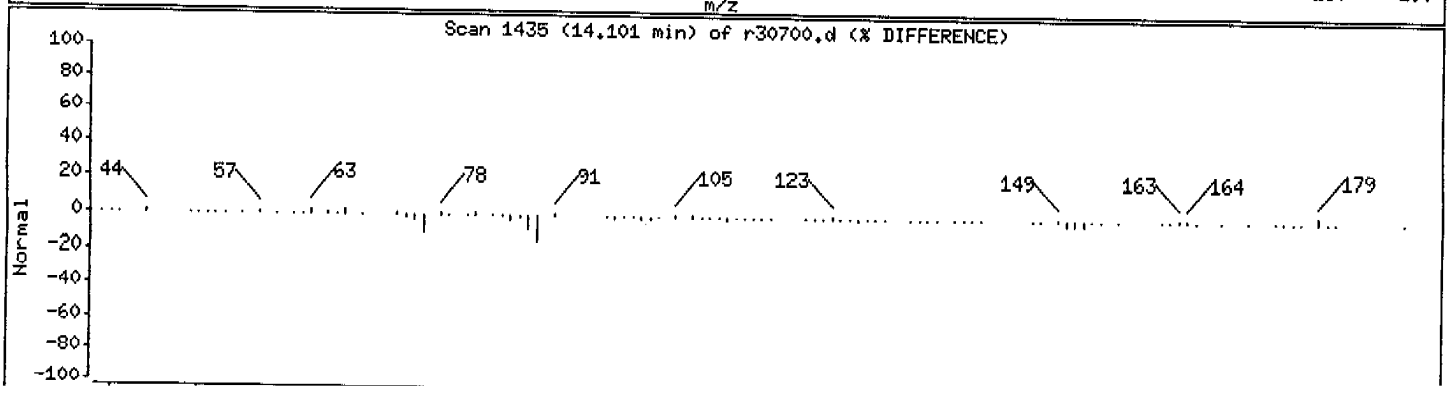
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 330 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

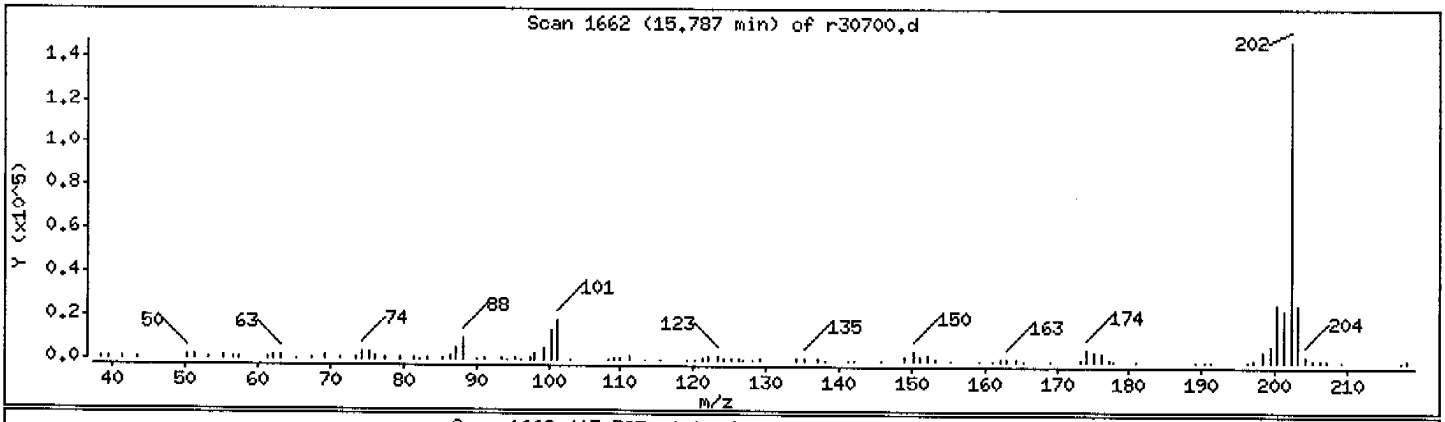
Client ID: B202-SS01 Instrument: BNAMS1.i

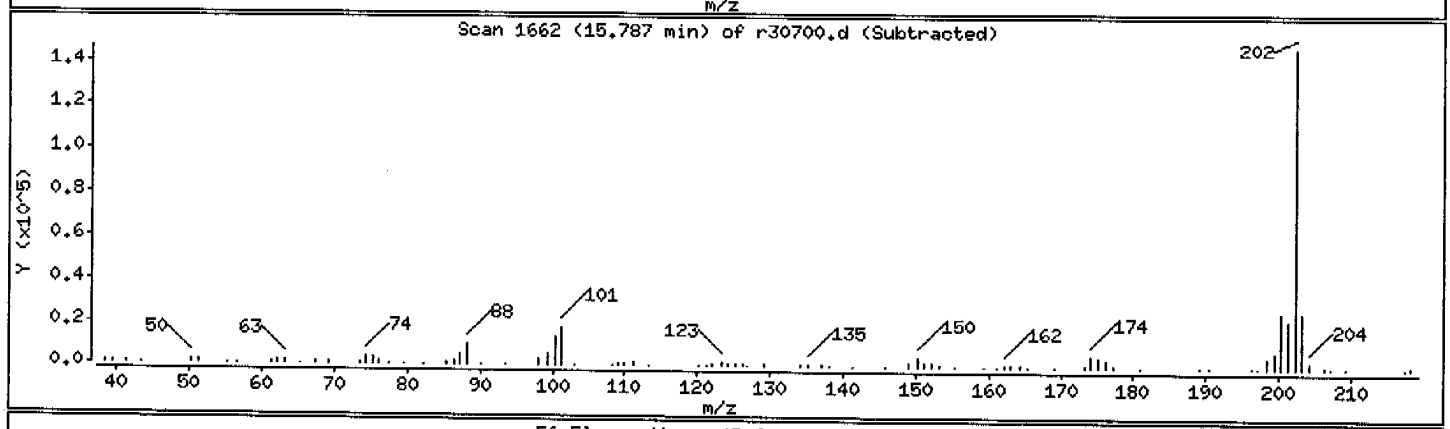
Sample Info: 775269;3280899

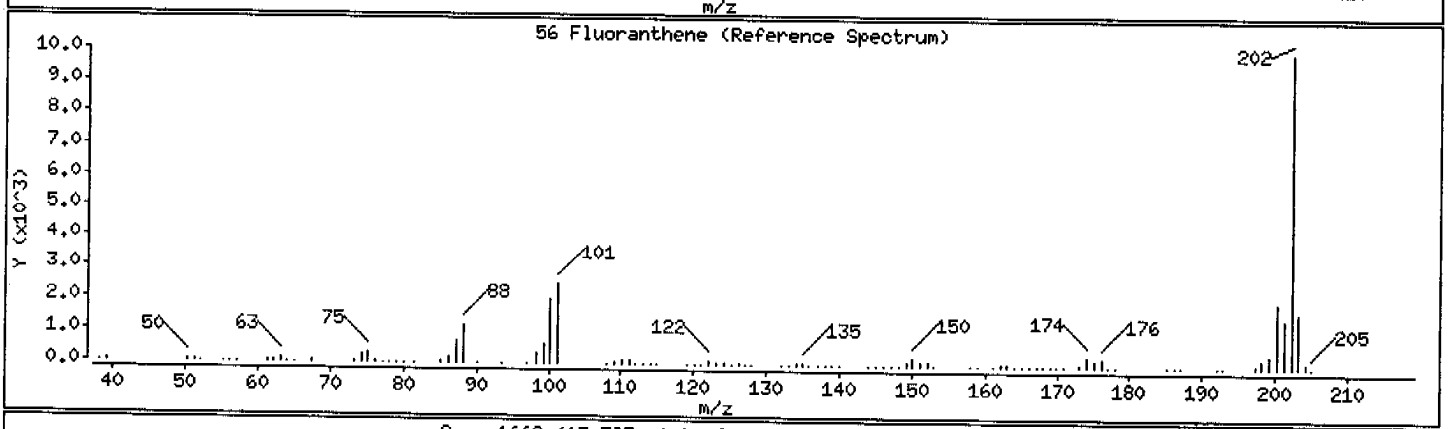
Operator: BNAMS 4

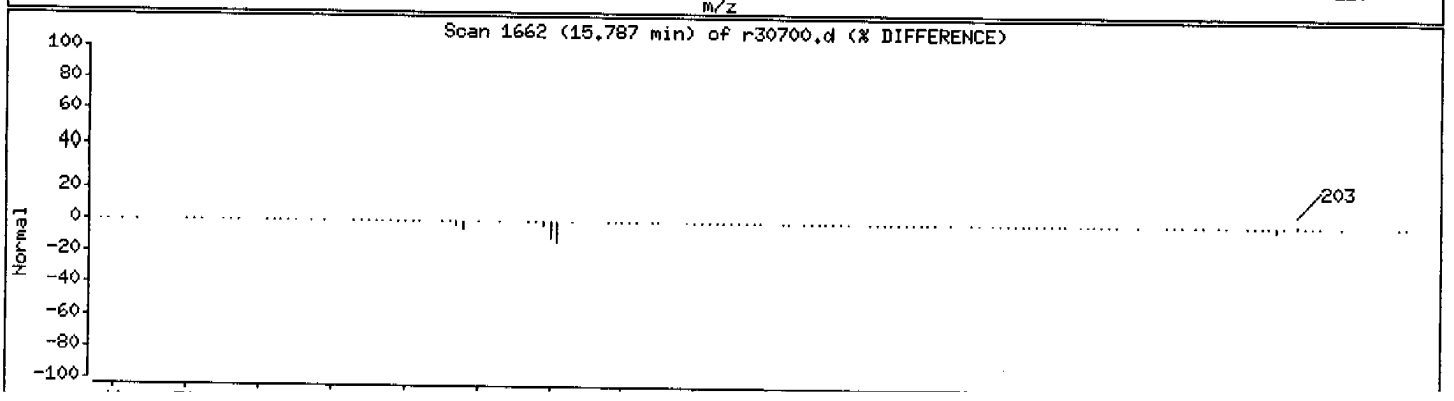
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 1800 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

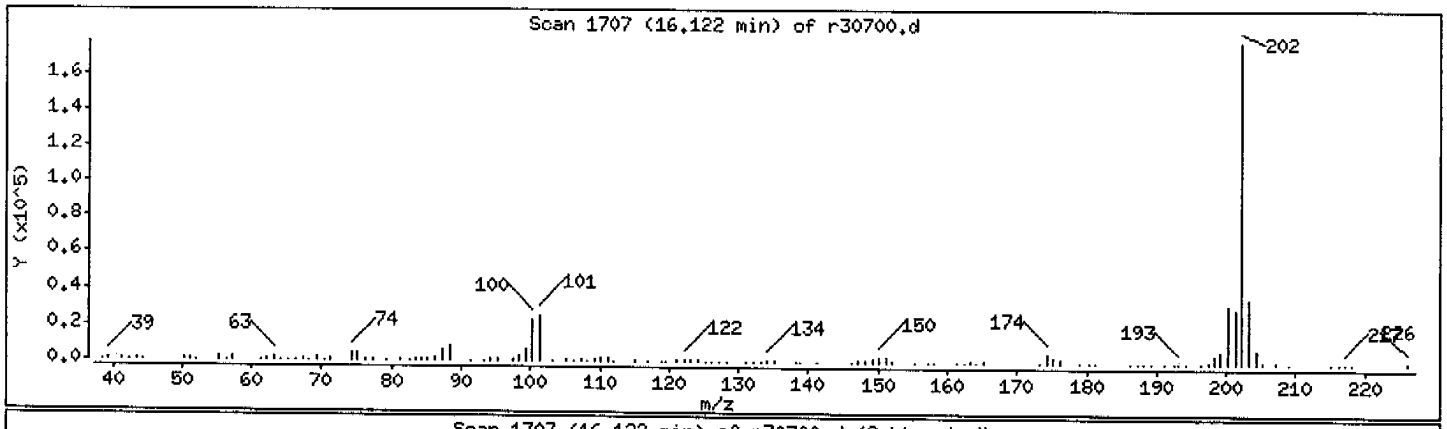
Client ID: B202-SS01 Instrument: BNAMS1.i

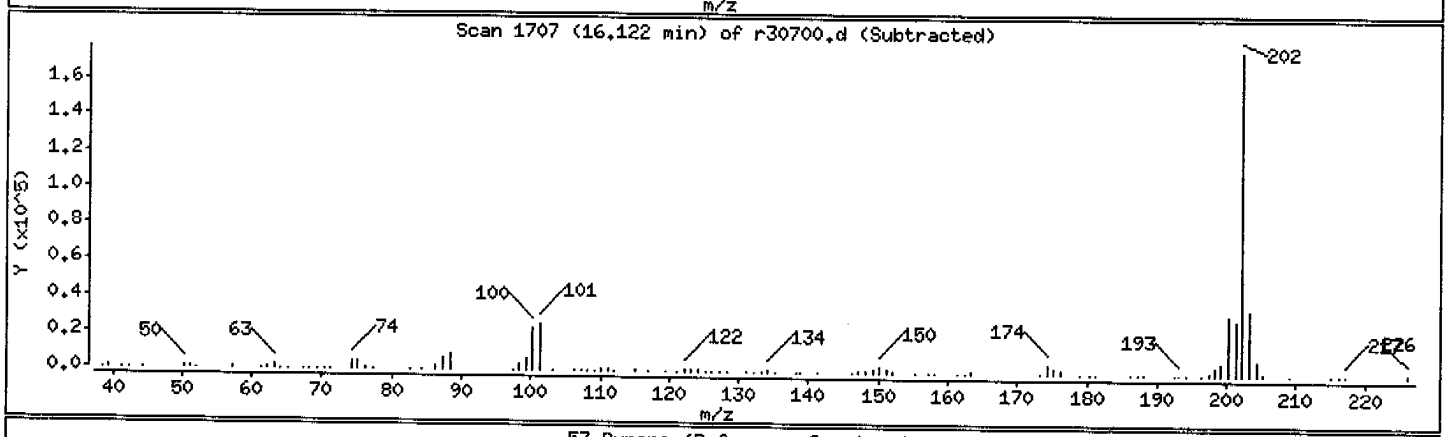
Sample Info: 775269;3280899

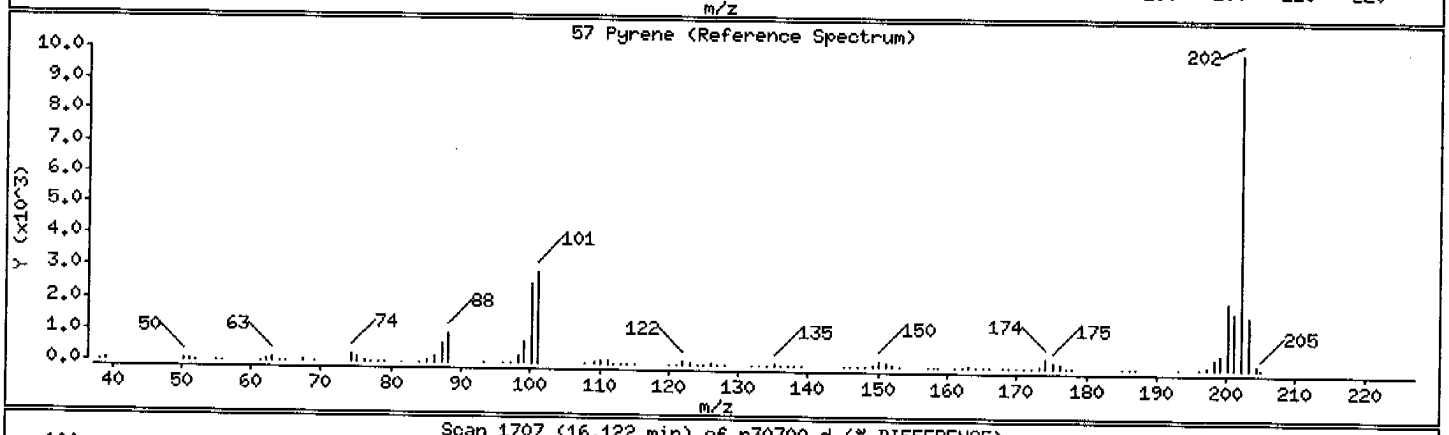
Operator: BNAMS 4

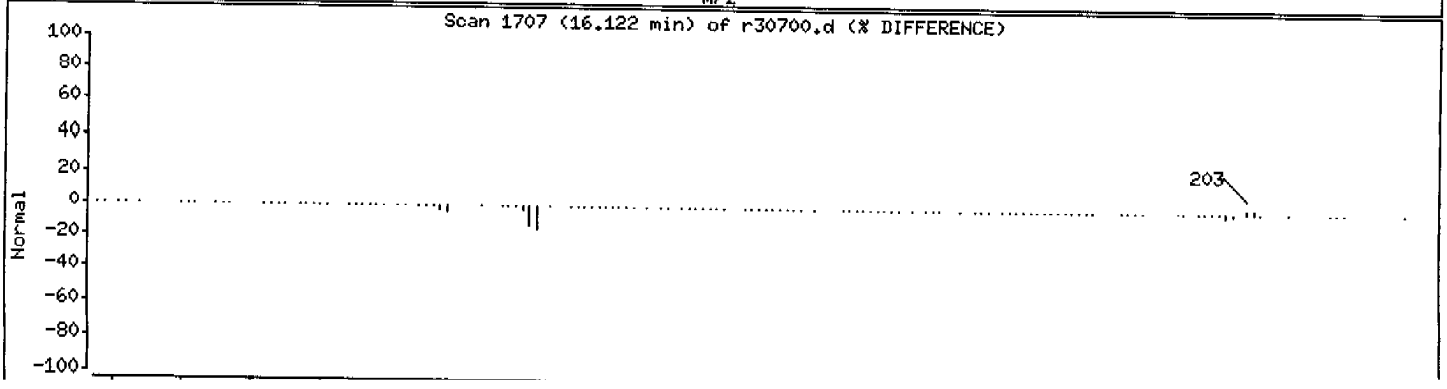
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 3200 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

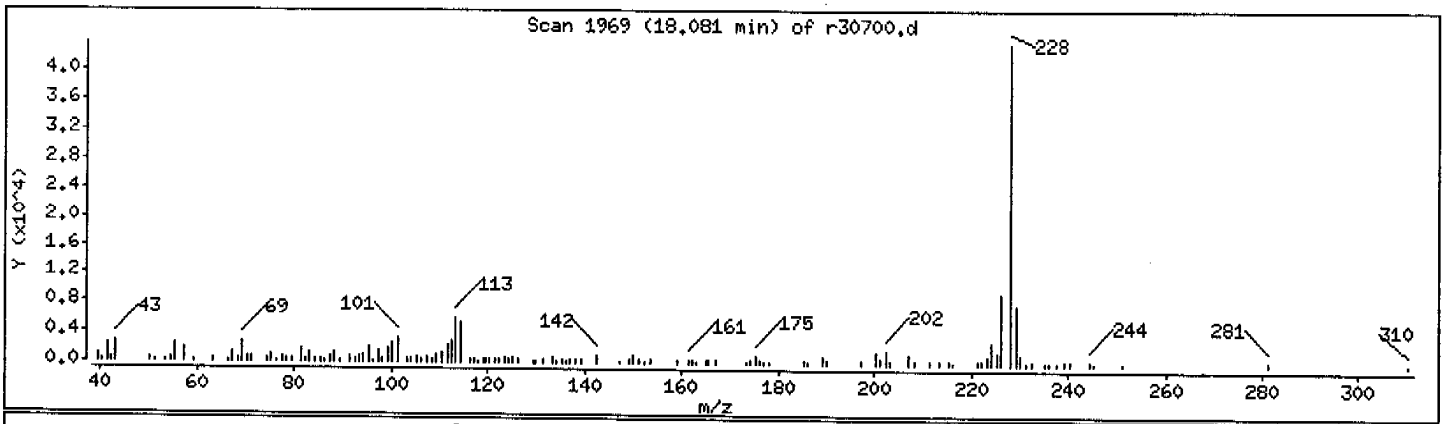
Client ID: B202-SS01 Instrument: BNAMS1.i

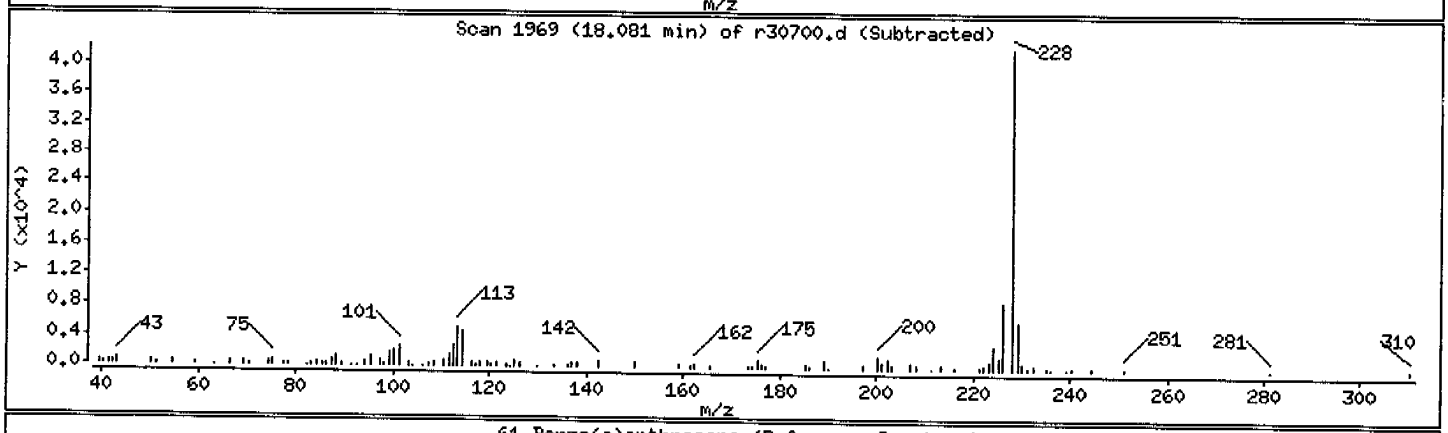
Sample Info: 775269;3280899

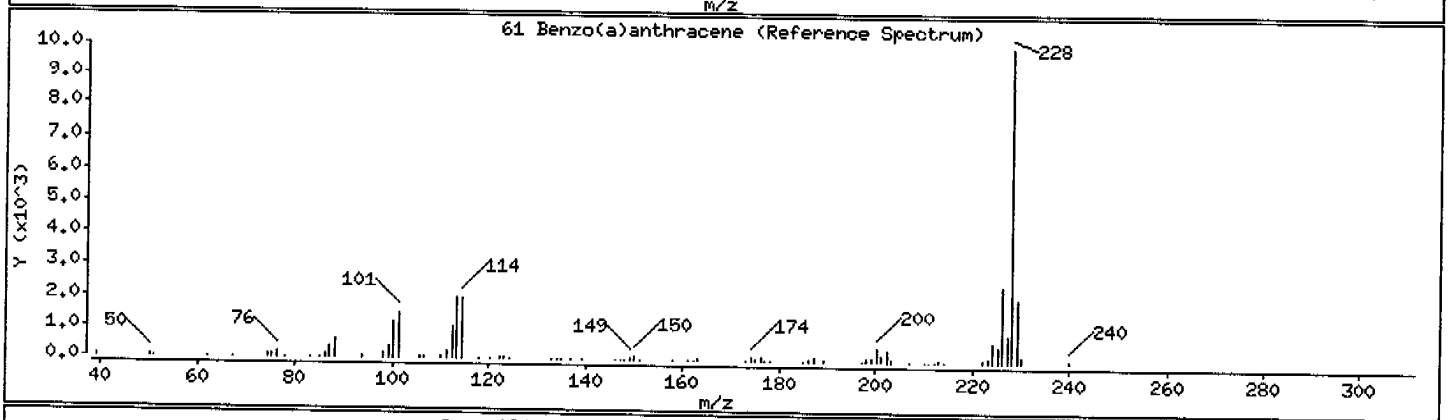
Operator: BNAMS 4

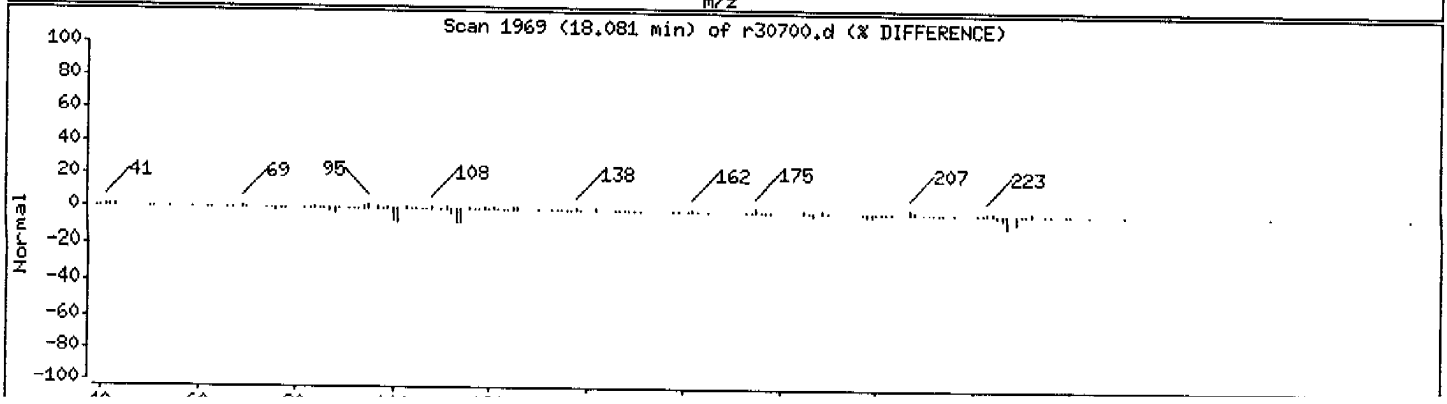
Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 1500 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

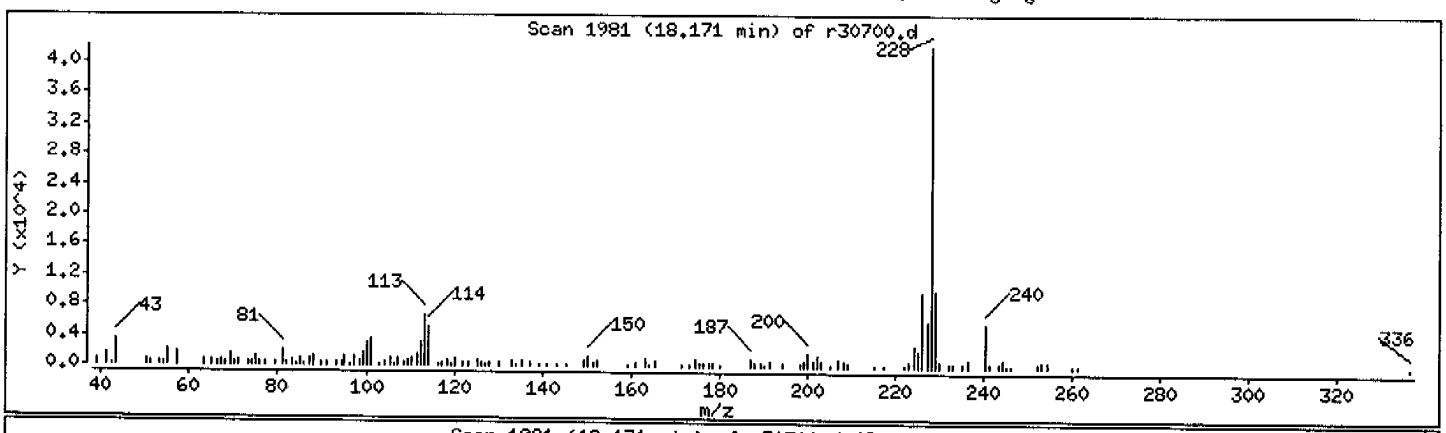
Client ID: B202-SS01 Instrument: BNAMS1.i

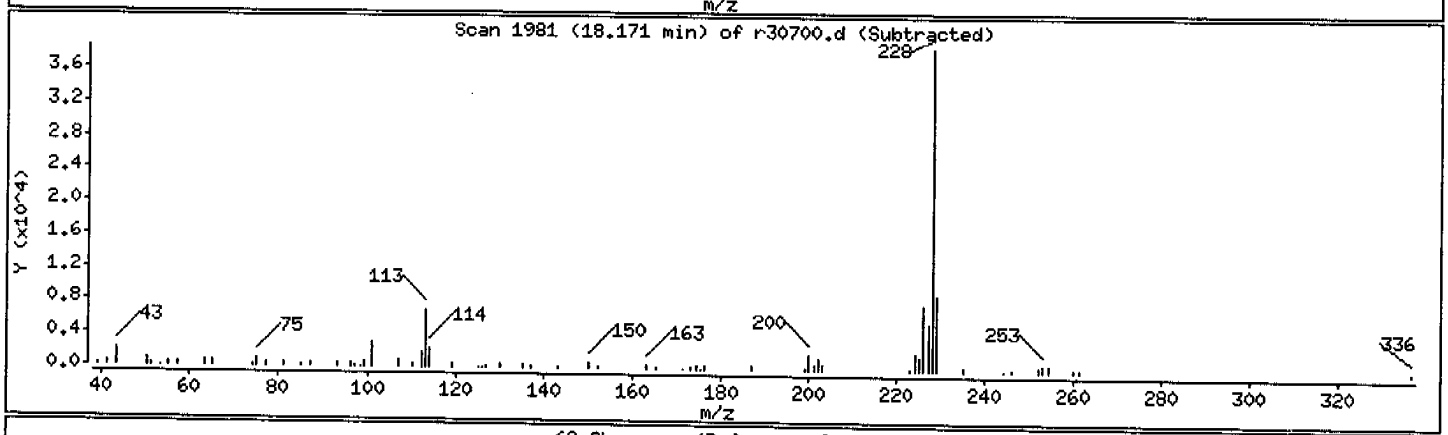
Sample Info: 775269;3280899

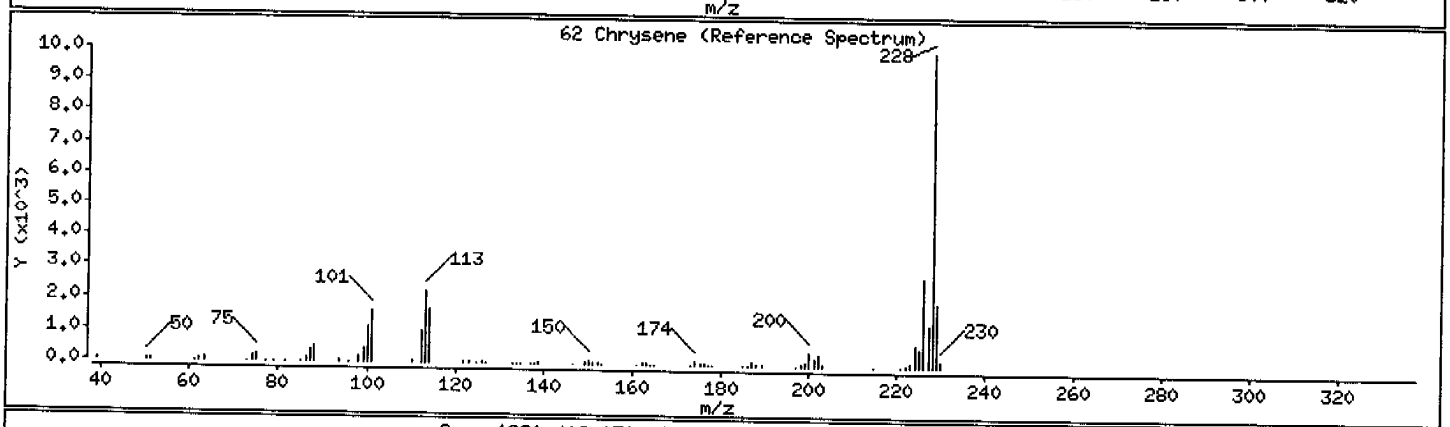
Operator: BNAMS 4

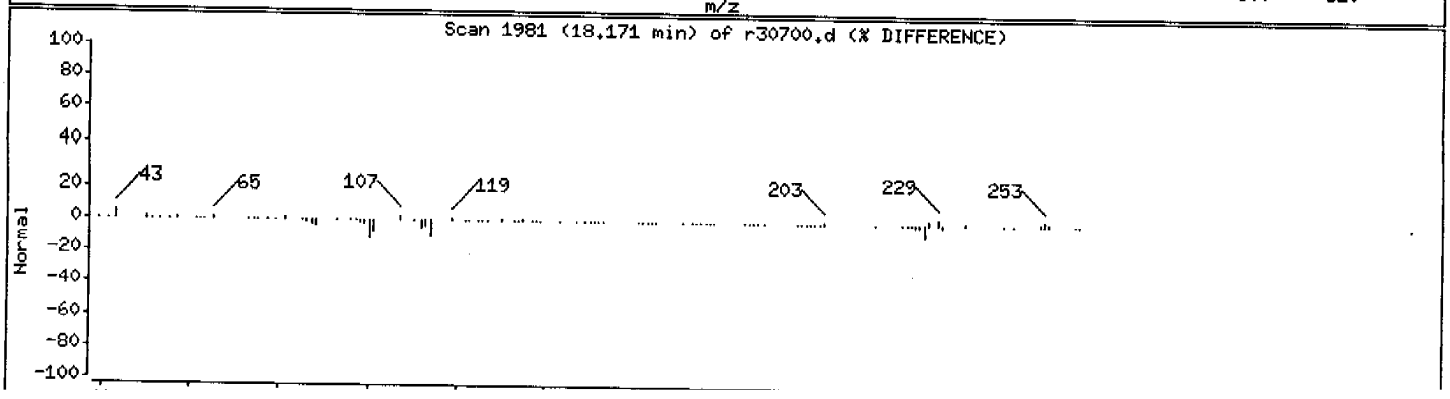
Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 1400 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

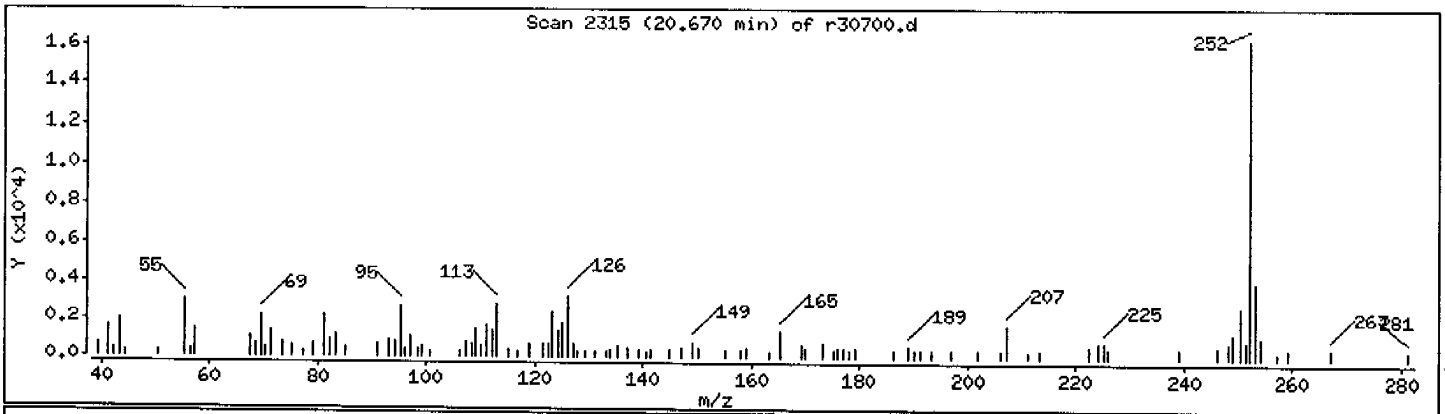
Client ID: B202-SS01 Instrument: BNAMS1.i

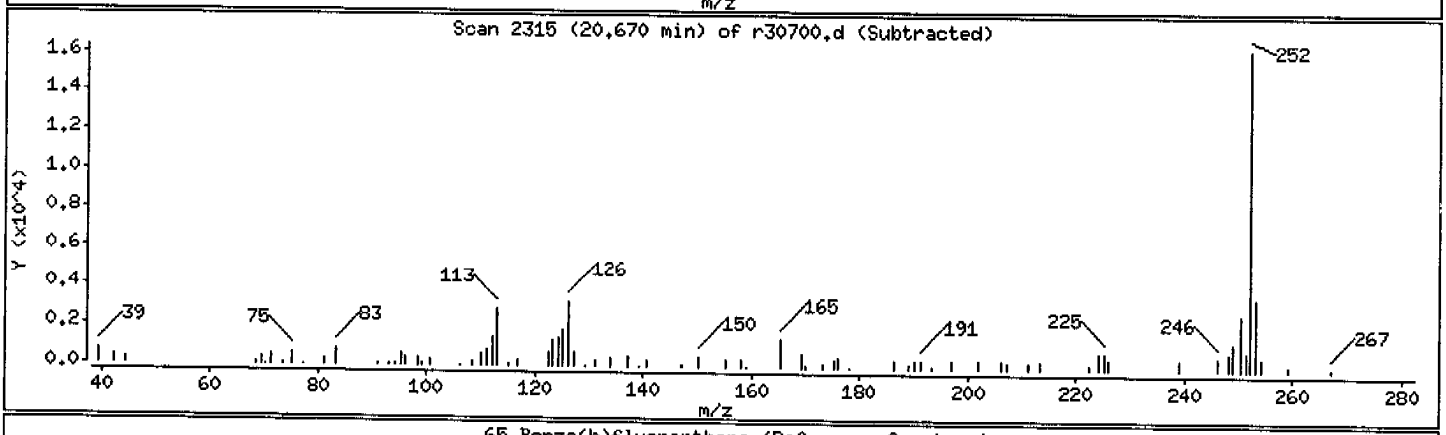
Sample Info: 775269;3280899

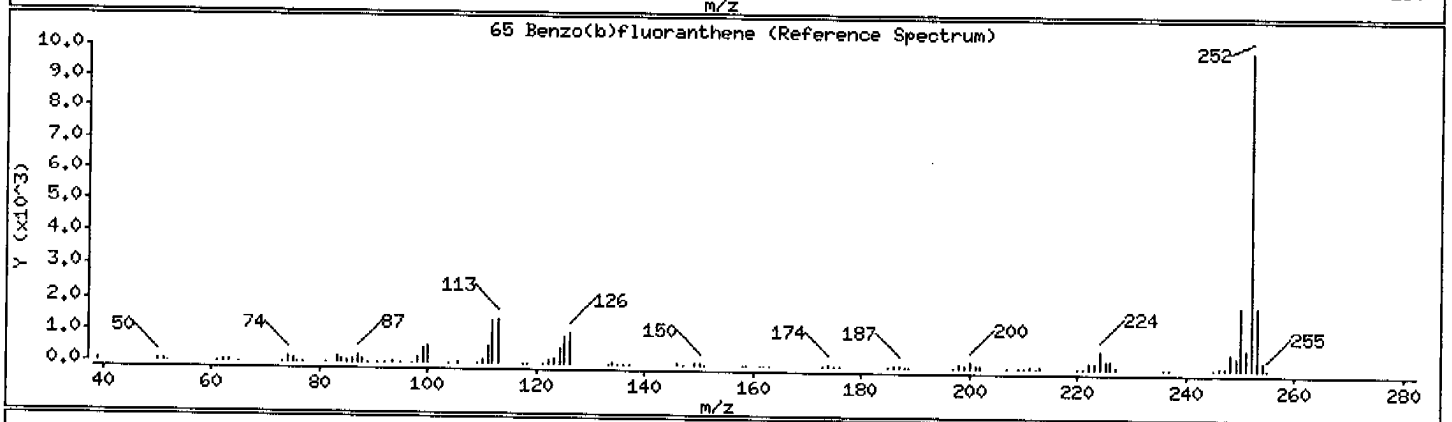
Operator: BNAMS 4

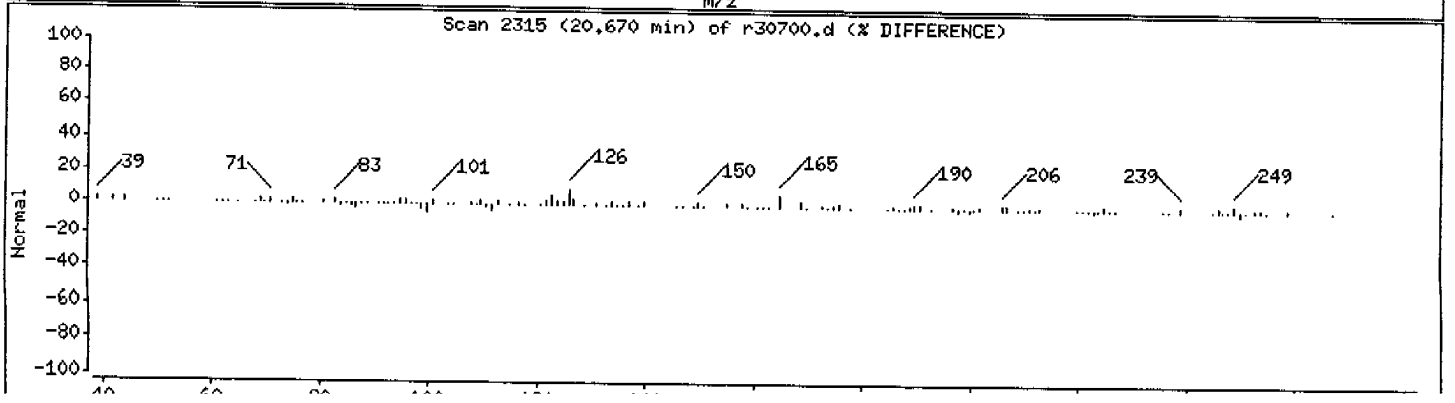
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 1100 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

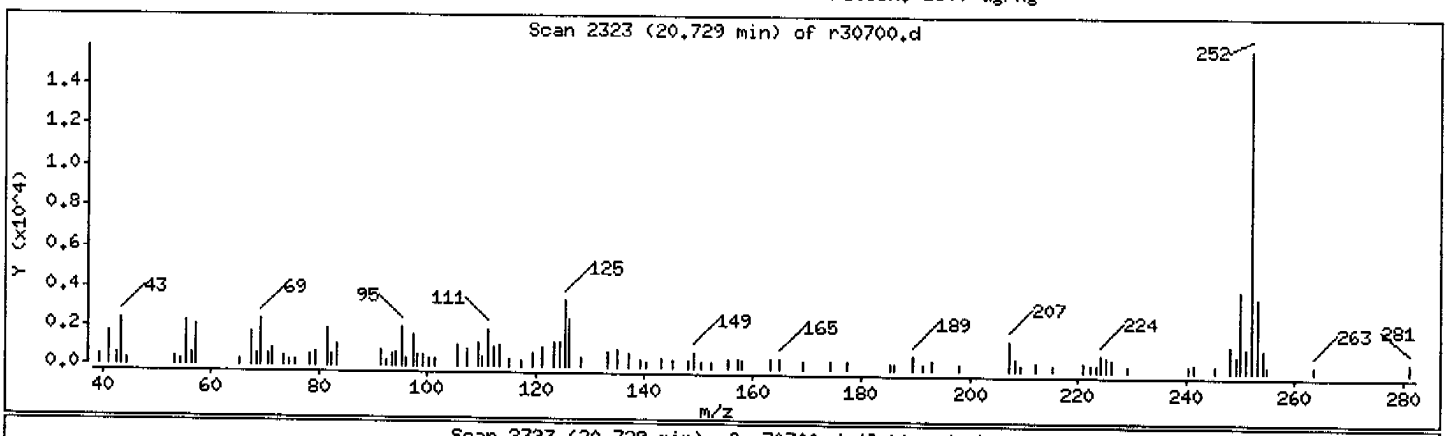
Client ID: B202-SS01 Instrument: BNAMS1.i

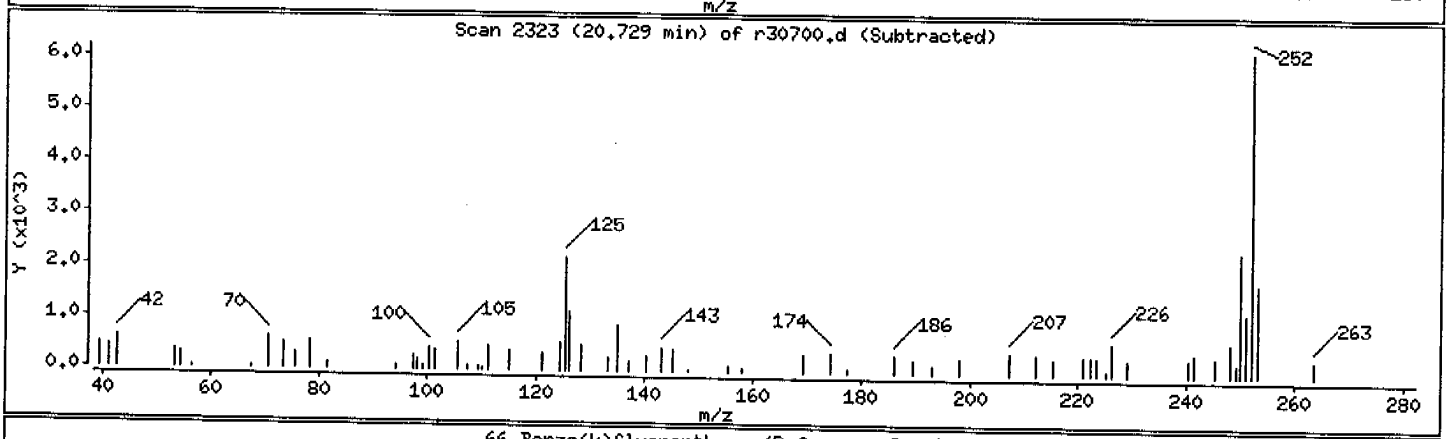
Sample Info: 775269;3280899

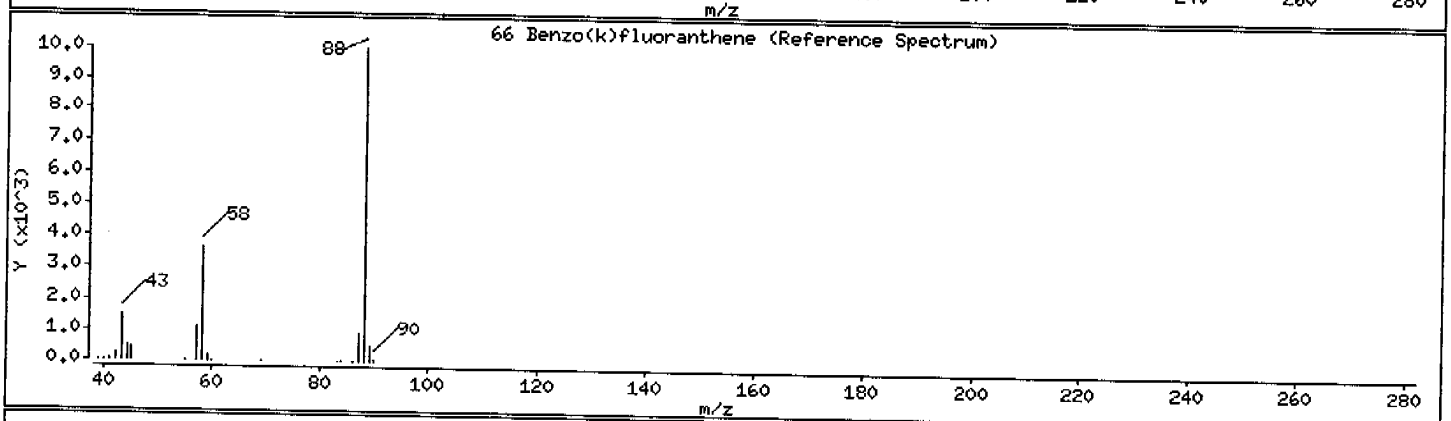
Operator: BNAMS 4

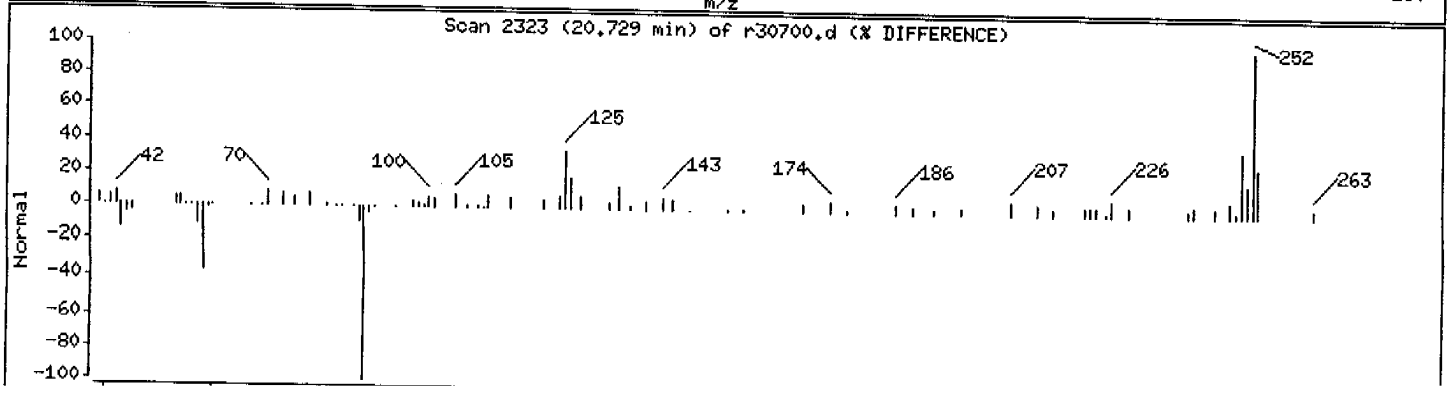
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 1600 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

Client ID: B202-SS01

Instrument: BNAMS1.i

Sample Info: 775269;3280899

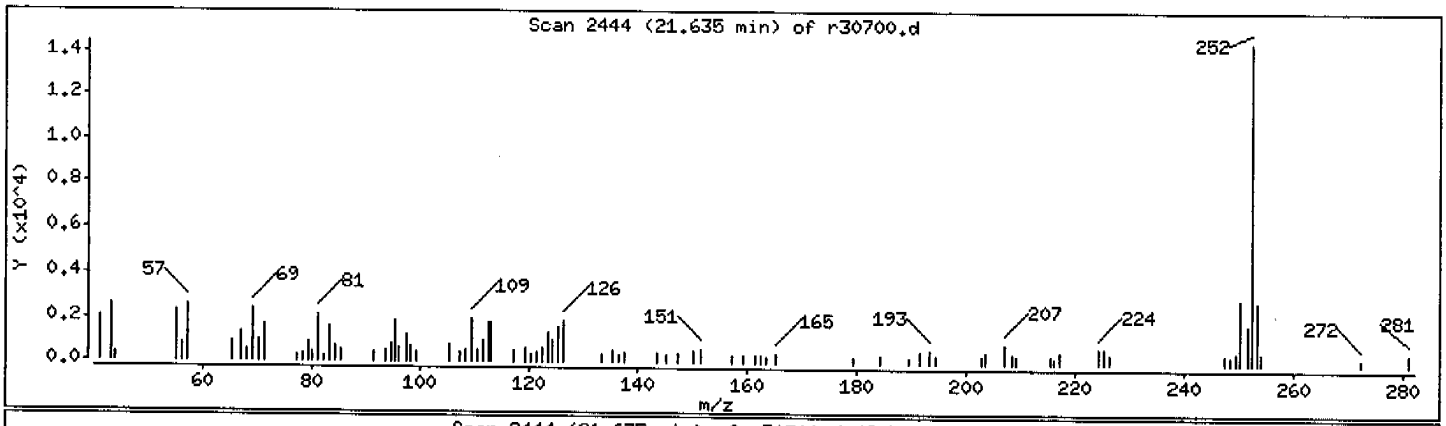
Operator: BNAMS 4

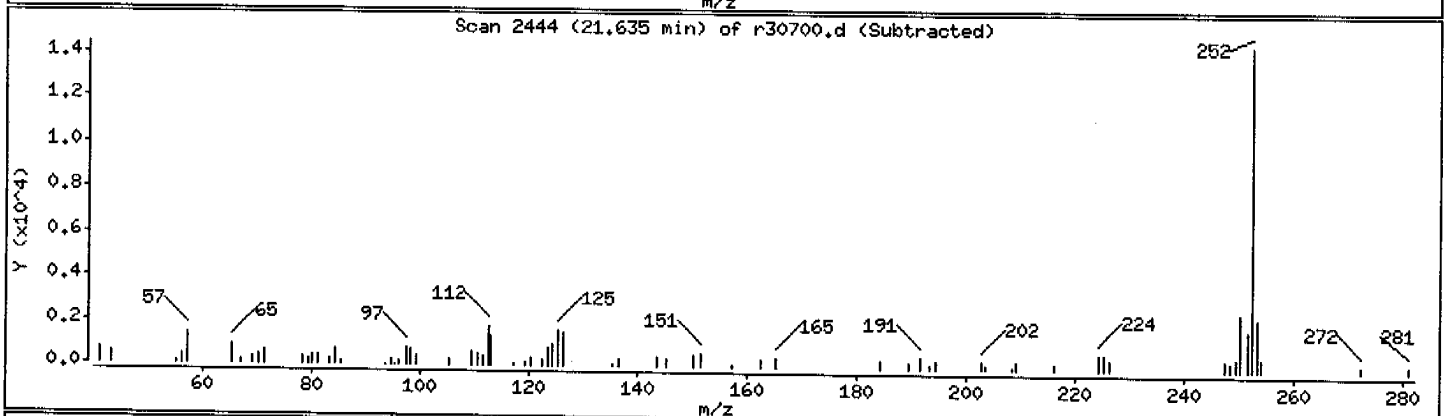
Column phase: DB-5

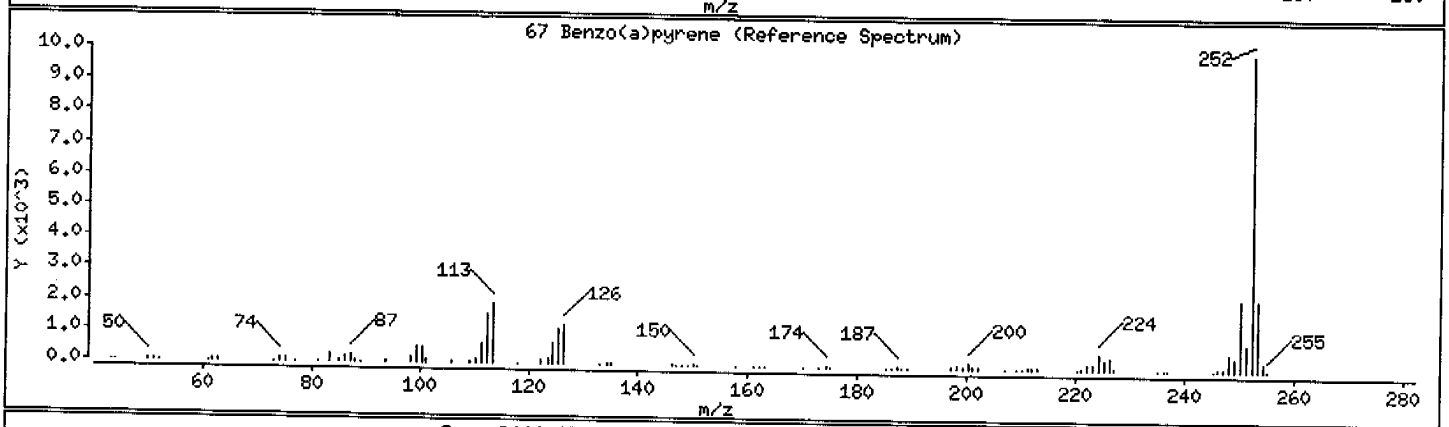
Column diameter: 0.25

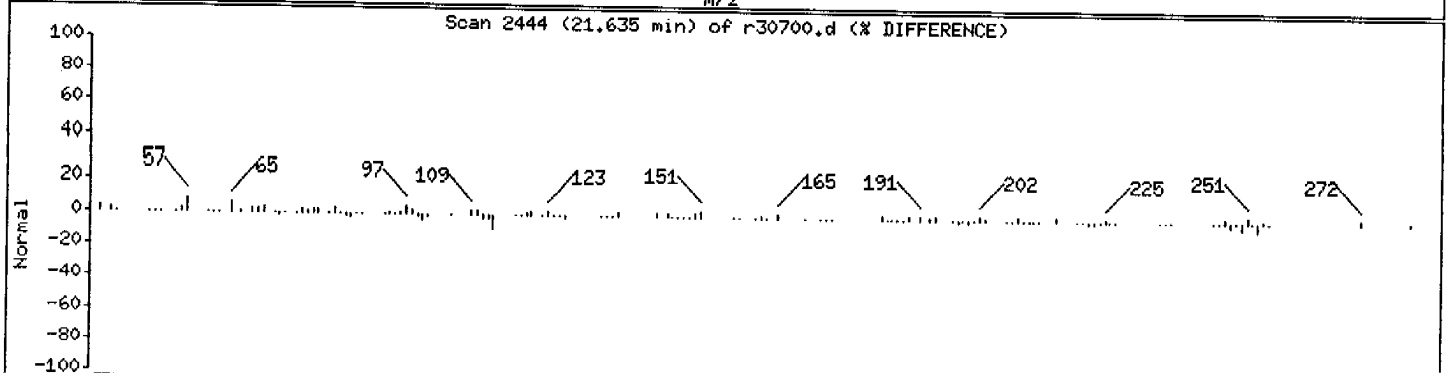
67 Benzo(a)pyrene

Concentration: 1500 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

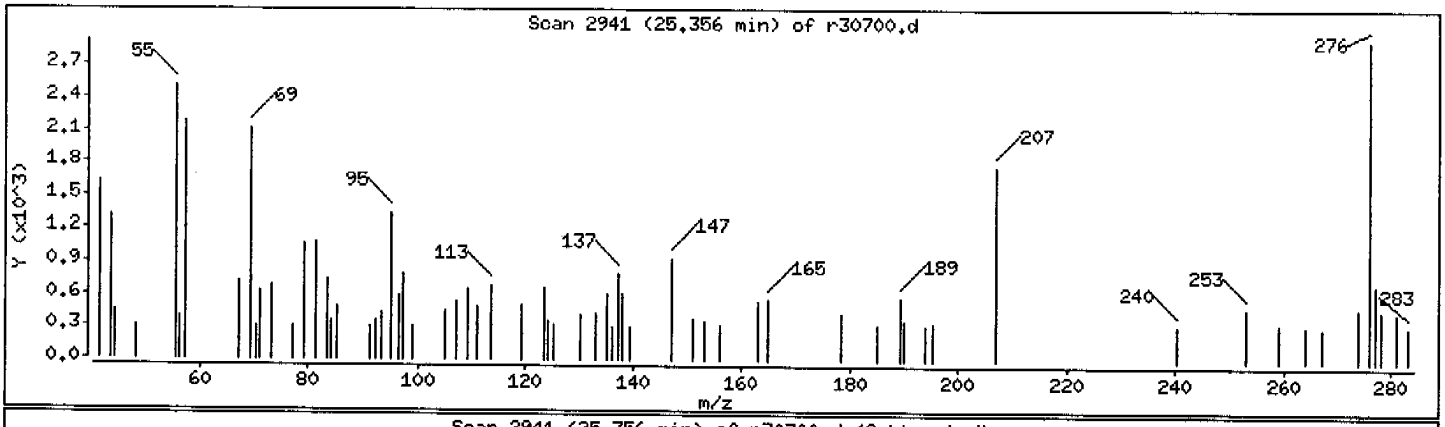
Client ID: B202-SS01 Instrument: BNAMS1.i

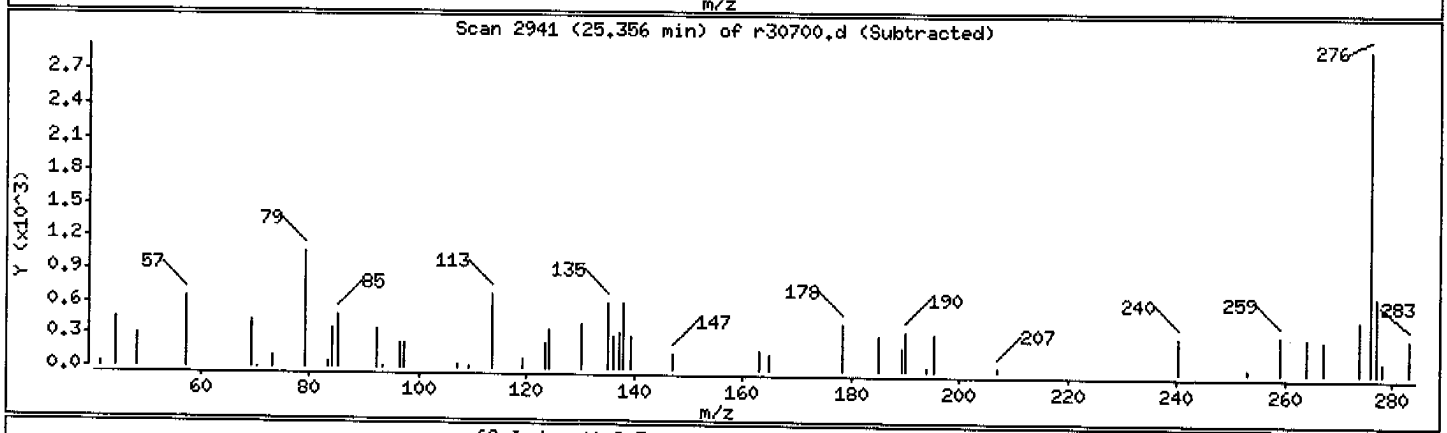
Sample Info: 775269;3280899

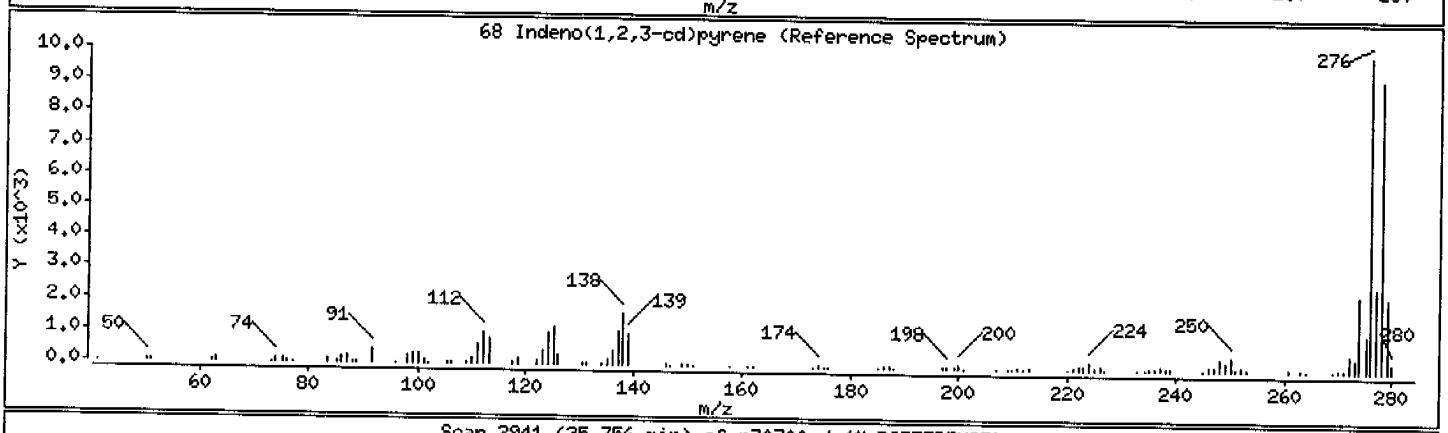
Operator: BNAMS 4

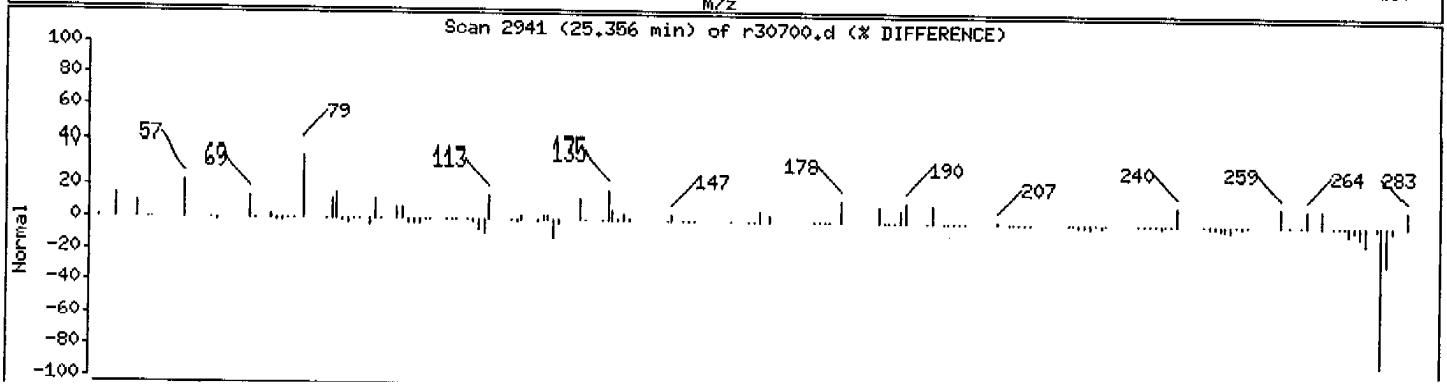
Column phase: DB-5 Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene Concentration: 350 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

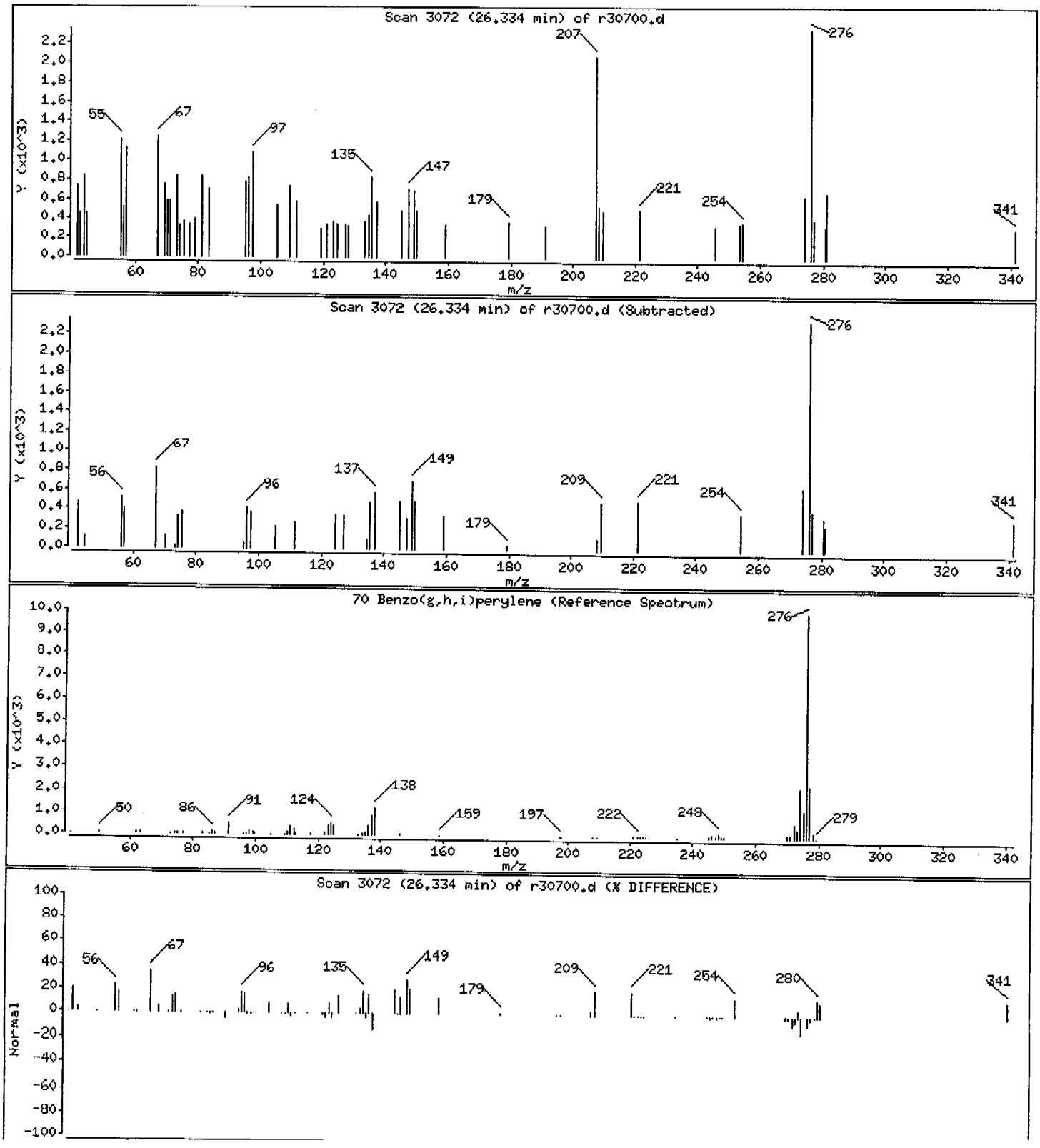
Client ID: B202-SS01 Instrument: BNAMS1.i

Sample Info: 775269;3280899

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

70 Benzo(g,h,i)perylene Concentration: 320 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30700.d

Date : 06-OCT-2006 18:28

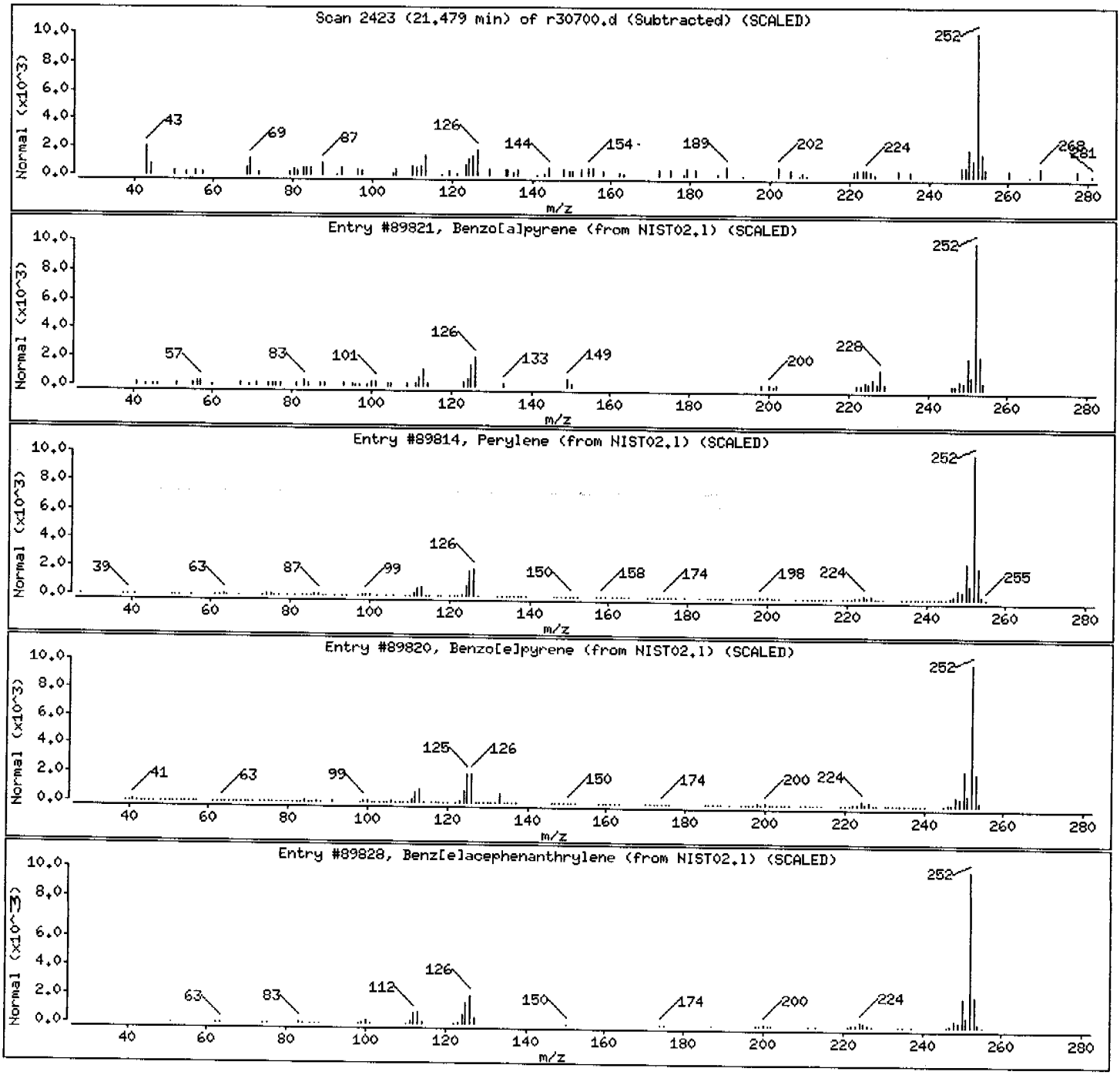
Client ID: B202-SS01 Instrument: BNAMS1.i

Sample Info: 775269;3280899

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[a]pyrene	50-32-8	NIST02.1	89821	70	C20H12	252
Perylene	198-55-0	NIST02.1	89814	70	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.1	89820	70	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.1	89828	70	C20H12	252



Client ID: **B202-SS02**
Site: Sun Chemical SI

Lab Sample No: **775270**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30699.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	220 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	110 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	430	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	54 J	380
Dibenzofuran	91 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	59 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	800	380
Anthracene	340 J	380

Client ID: **B202-SS02**
Site: Sun Chemical SI

Lab Sample No: **775270**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30699.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	160 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	1700	380
Pyrene	1800	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	1000	38
Chrysene	1500	380
bis(2-Ethylhexyl)phthalate	120 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	1800	38
Benzo(k)fluoranthene	2000	38
Benzo(a)pyrene	1100	38
Indeno(1,2,3-cd)pyrene	400	38
Dibenz(a,h)anthracene	170	38
Benzo(g,h,i)perylene	330 J	380

Client ID: **B202-SS02**
Site: Sun Chemical SI

Lab Sample No: **775270**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30699.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.78	360	
2.	C15H12 PAH	14.91	480	
3.	C17H12 PAH	16.44	320	
4.	C17H12 PAH	16.61	580	
5.	C17H12 PAH	16.77	460	
6.	C17H12 PAH	16.92	310	
7.	C17H10O Ketone	17.45	420	
8.	Benzo(b)naphthothiophene isomer	17.64	430	
9.	C17H10O Ketone	17.81	310	
10.	C19H14 PAH	18.97	590	
11.	Unknown Alkane	20.62	830	
12.	C20H12 PAH	20.71	3100	
13.	C20H12 PAH	21.51	1800	
14.	Unknown Alkane	22.80	1100	
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 11090

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d
Lab Smp Id: 775270 Client Smp ID: B202-SS02
Inj Date : 06-OCT-2006 17:50
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775270;3280901
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.40000	% Moisture

Cpnd Variable Local Compound Variable

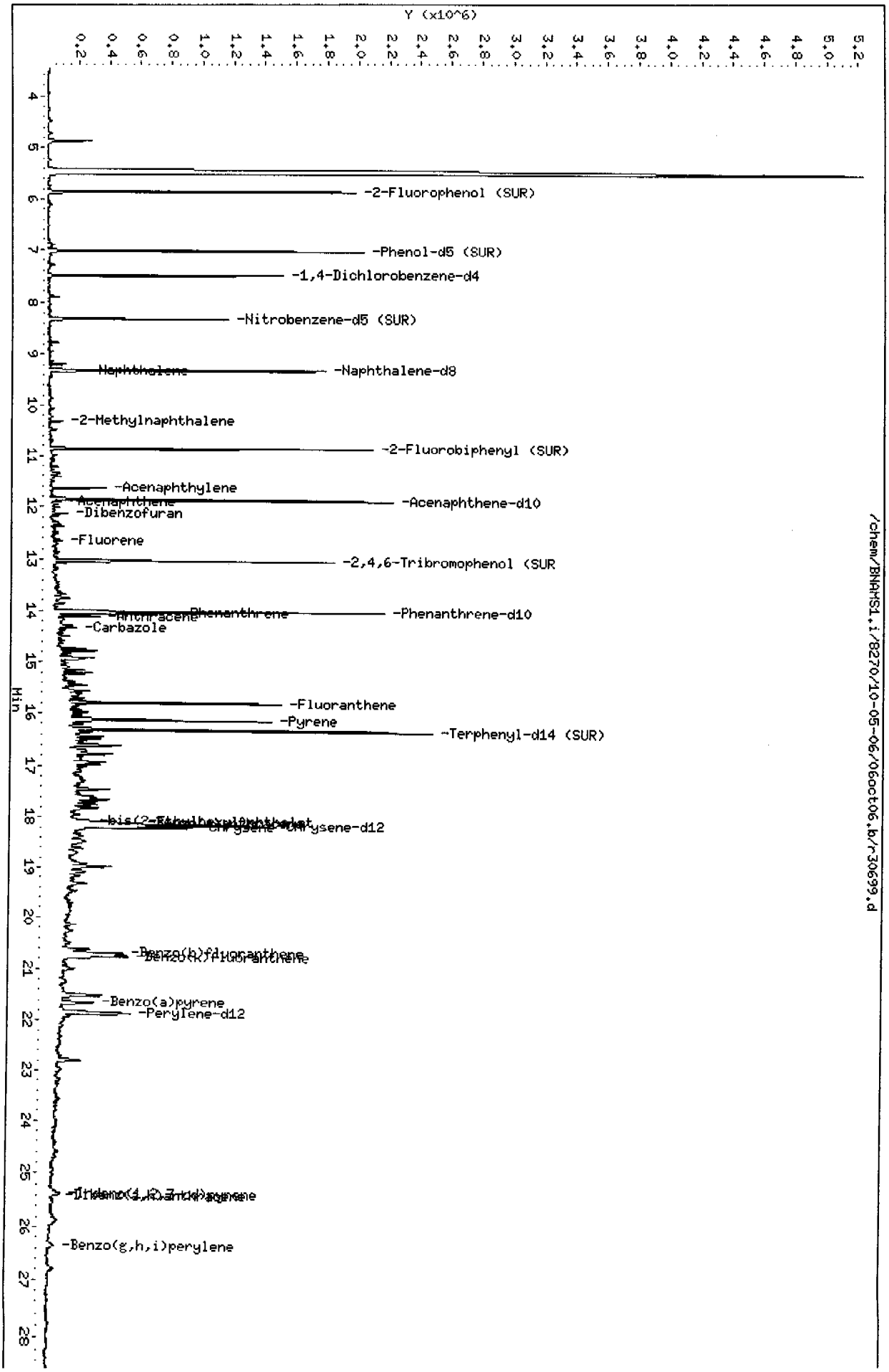
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.853	5.826	(0.780)	814607	70.0074	5400
$ 17 Phenol-d5 (SUR)	99	7.027	7.012	(0.936)	1086426	75.1094	5800
* 79 1,4-Dichlorobenzene-d4	152	7.508	7.499	(1.000)	310694	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.308	8.302	(0.893)	481847	39.5009	3000
* 80 Naphthalene-d8	136	9.300	9.293	(1.000)	1190082	40.0000	
31 Naphthalene	128	9.330	9.330	(1.003)	85434	2.87214	220(a)
34 2-Methylnaphthalene	142	10.309	10.304	(1.108)	29358	1.41121	110(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.851	10.848	(0.914)	934005	39.5426	3000
39 Acenaphthylene	152	11.648	11.641	(0.981)	183737	5.54842	430
* 82 Acenaphthene-d10	164	11.871	11.858	(1.000)	792847	40.0000	
42 Acenaphthene	154	11.908	11.910	(1.003)	14112	0.70115	54(a)
43 Dibenzofuran	168	12.133	12.135	(1.022)	36964	1.18050	91(a)
47 Fluorene	166	12.634	12.640	(1.064)	19542	0.76889	59(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	13.031	13.021	(1.098)	282782	64.8578	5000

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	83 Phenanthrene-d10	188	14.015	14.005	(1.000)	1116164	40.0000	
	52 Phenanthrene	178	14.045	14.043	(1.002)	343591	10.3974	800
	53 Anthracene	178	14.105	14.111	(1.006)	146644	4.43813	340(a)
	54 Carbazole	167	14.330	14.333	(1.022)	63665	2.04045	160(a)
	56 Fluoranthene	202	15.796	15.790	(1.127)	747101	22.0526	1700
	57 Pyrene	202	16.132	16.124	(0.889)	736421	23.6908	1800
$	78 Terphenyl-d14 (SUR)	244	16.315	16.302	(0.899)	886840	41.6165	3200
	63 bis(2-Ethylhexyl)phthalate	149	18.056	18.048	(0.995)	39173	1.53933	120(a)
	61 Benzo(a)anthracene	228	18.098	18.093	(0.997)	361272	13.5400	1000
*	81 Chrysene-d12	240	18.147	18.137	(1.000)	969829	40.0000	
	62 Chrysene	228	18.189	18.190	(1.002)	497384	20.0041	1500
	65 Benzo(b)fluoranthene	252	20.698	20.711	(0.947)	416952	23.9394	1800
	66 Benzo(k)fluoranthene	252	20.761	20.779	(0.950)	384583	25.4397	2000
	67 Benzo(a)pyrene	252	21.660	21.672	(0.991)	204958	13.9890	1100
*	84 Perylene-d12	264	21.858	21.844	(1.000)	456512	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.369	25.392	(1.161)	76013	5.23281	400
	69 Dibenz(a,h)anthracene	278	25.391	25.458	(1.162)	26270	2.25513	170(H)
	70 Benzo(g,h,i)perylene	276	26.344	26.408	(1.205)	54512	4.30776	330(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d
Date : 06-OCT-2006 17:50
Client ID: B202-SS02
Sample Info: 775270;3280901
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

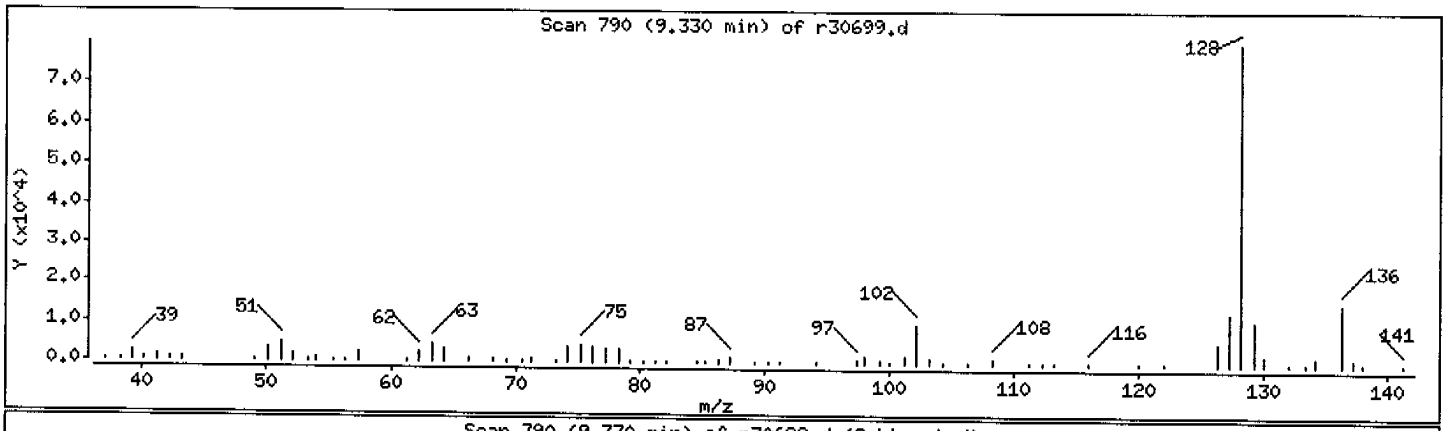
Client ID: B202-SS02 Instrument: BNAMS1.i

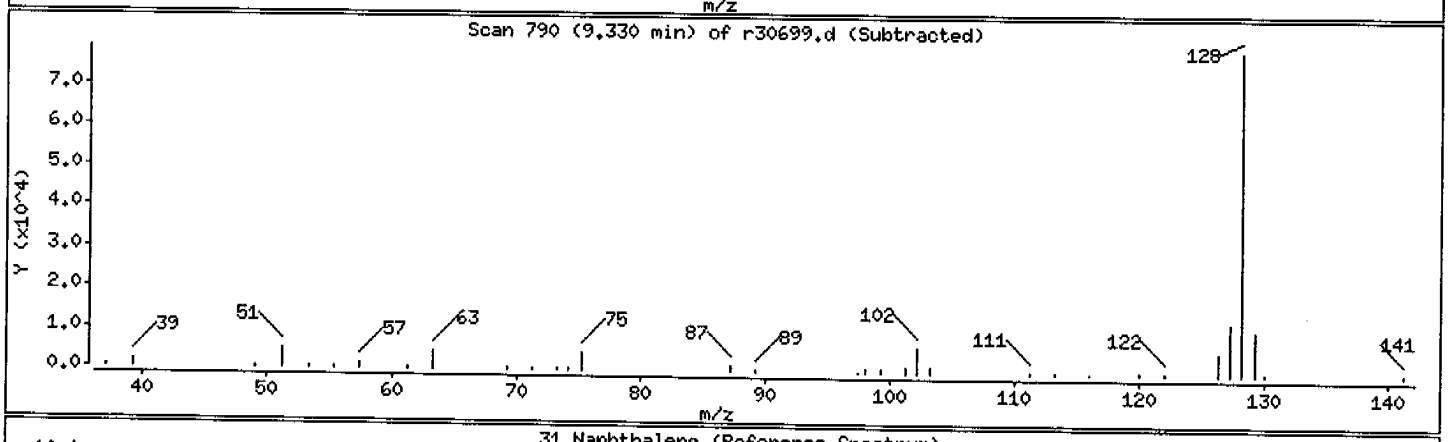
Sample Info: 775270;3280901

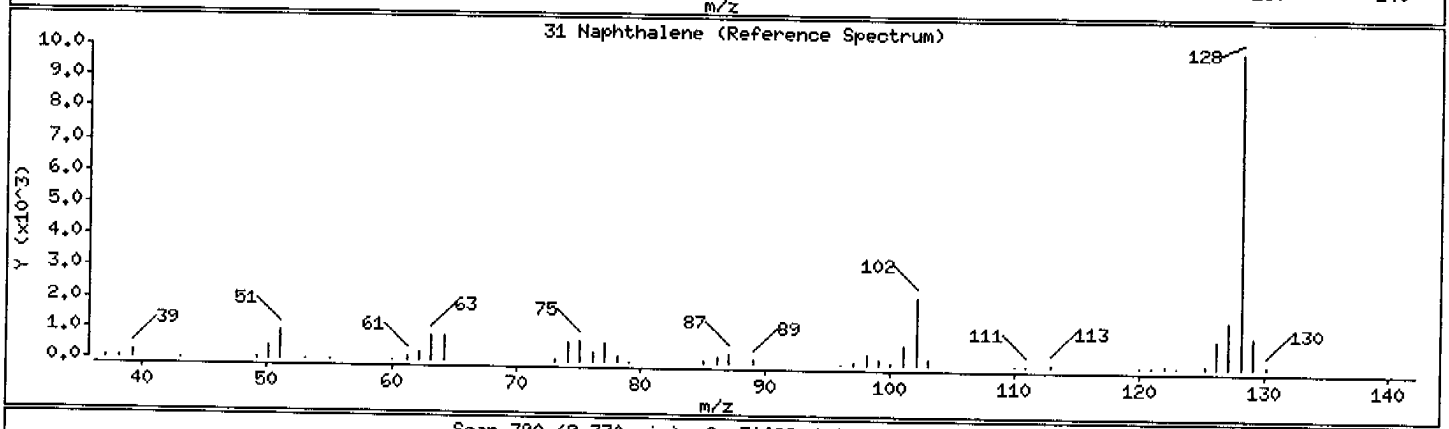
Operator: BNAMS 4

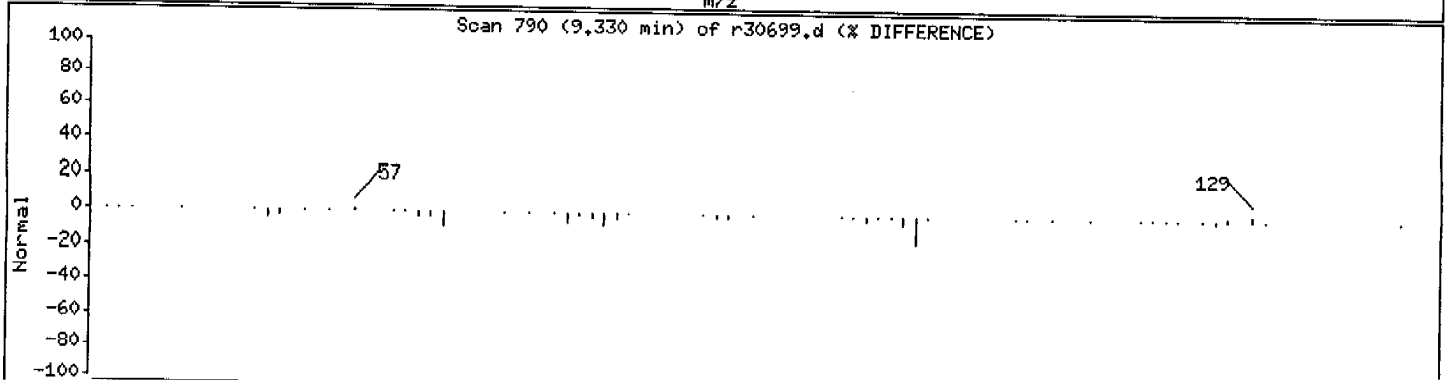
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 220 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

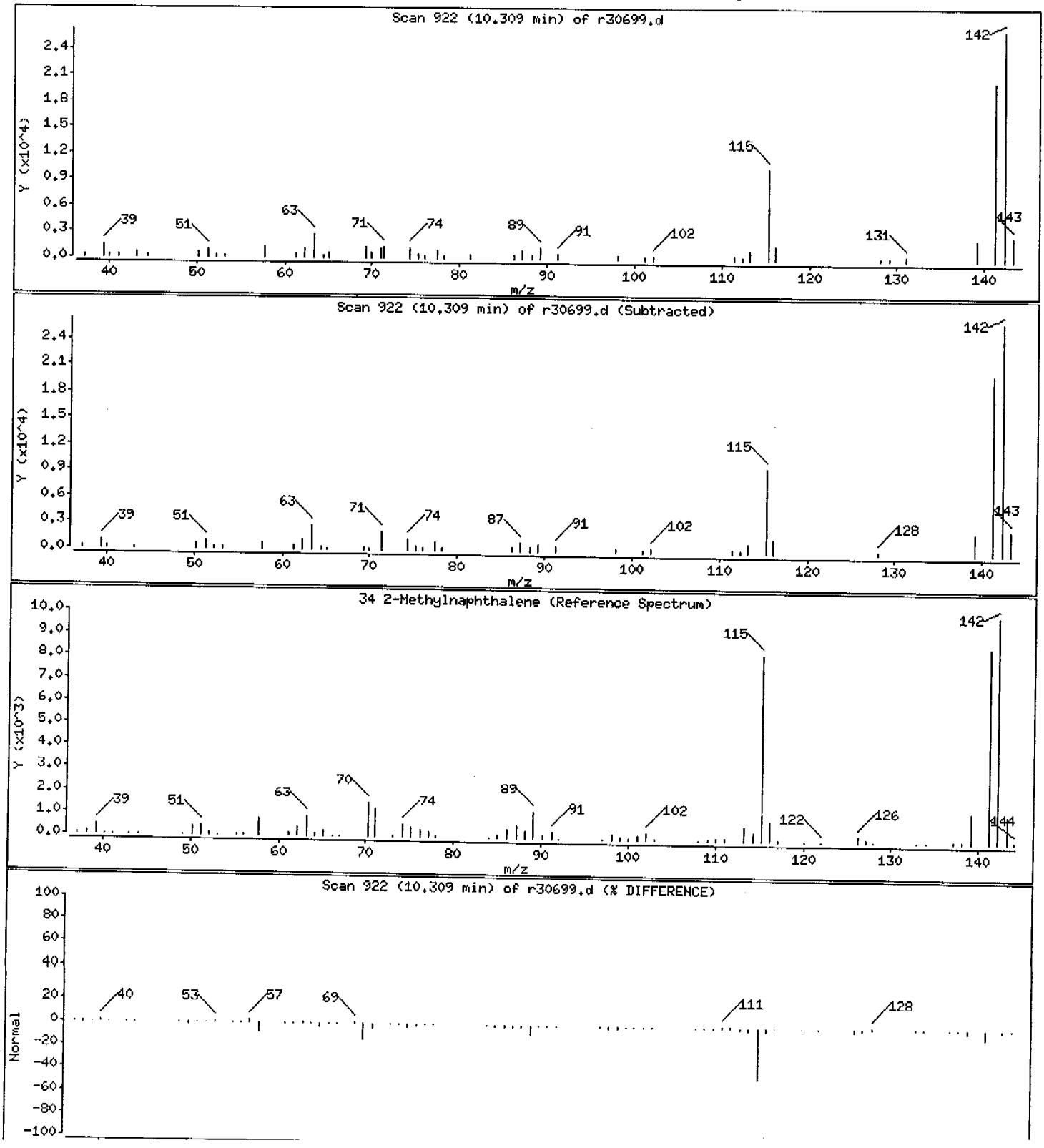
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 110 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

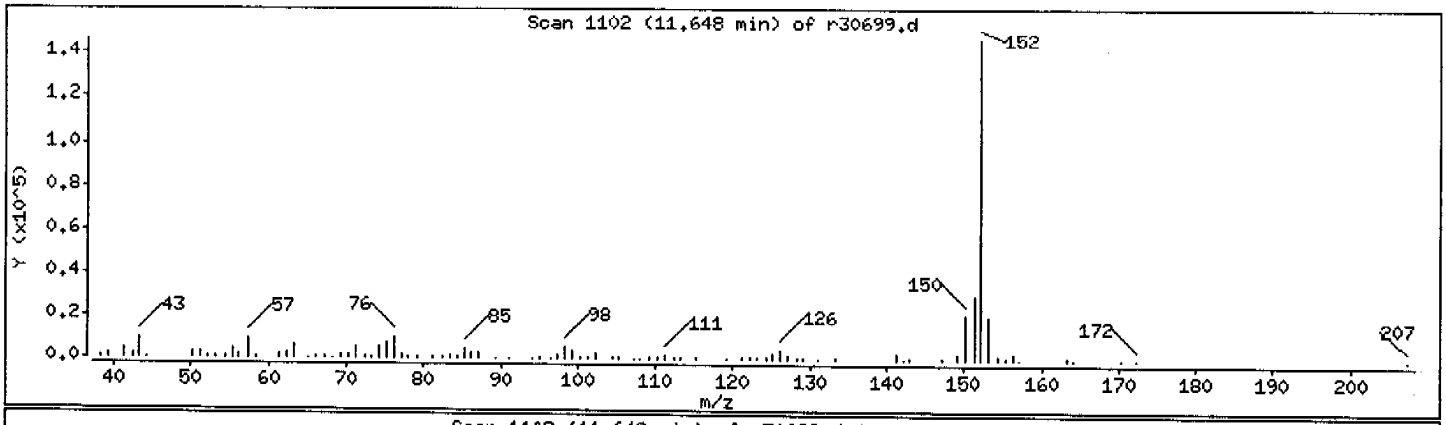
Operator: BNAMS 4

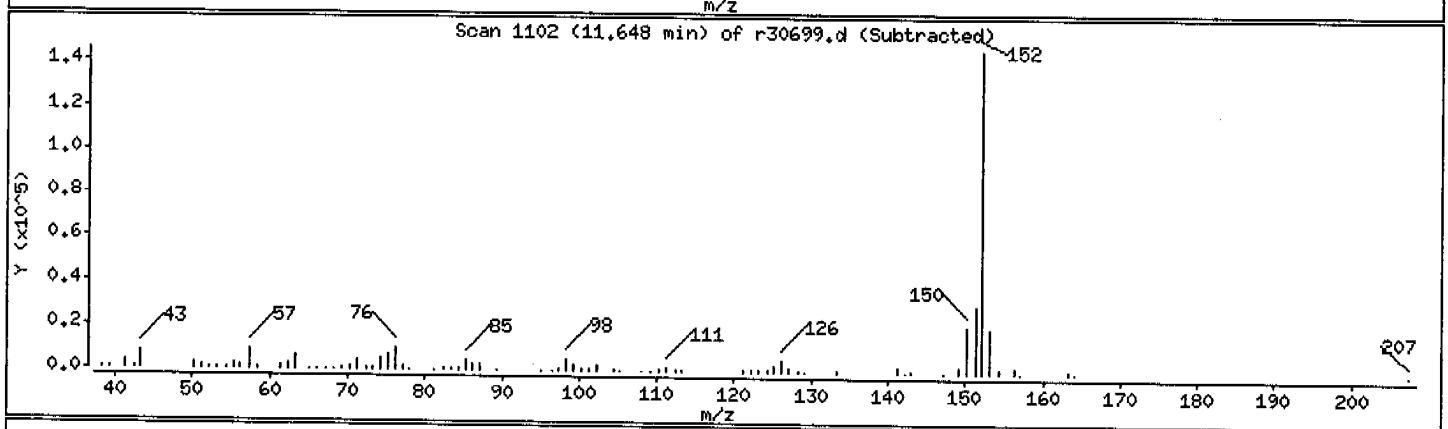
Column phase: DB-5

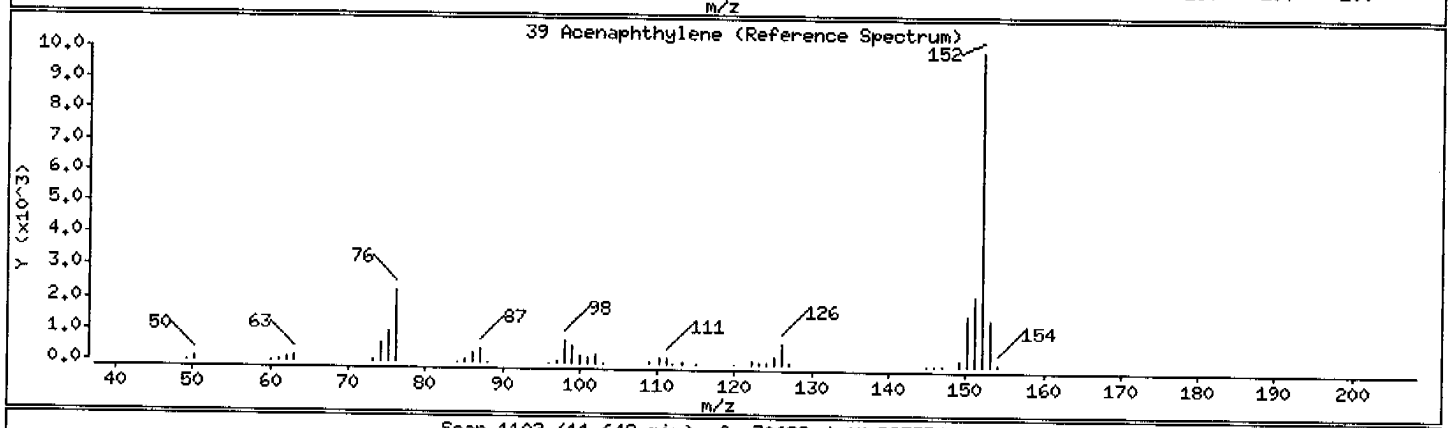
Column diameter: 0.25

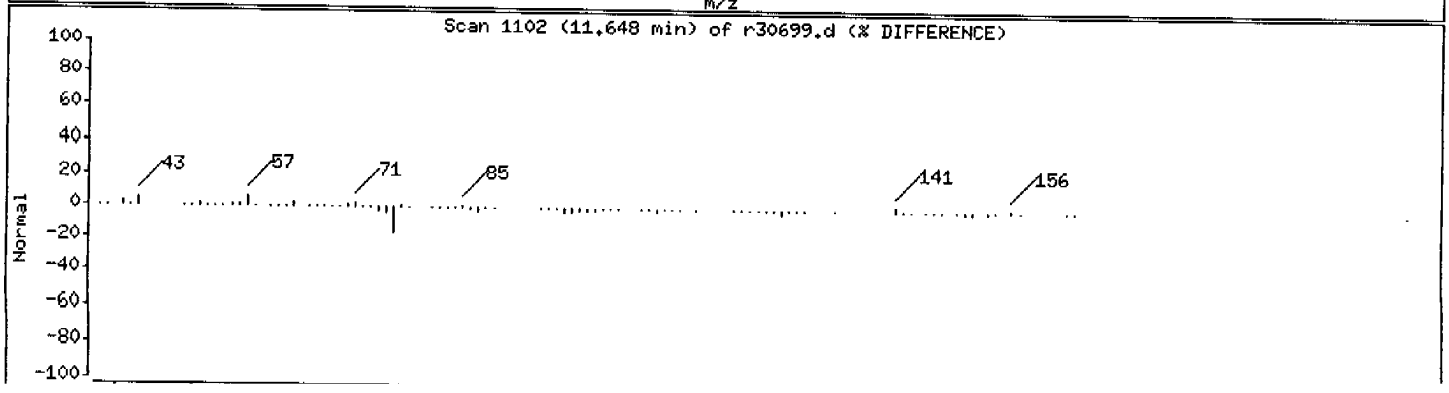
39 Acenaphthylene

Concentration: 430 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

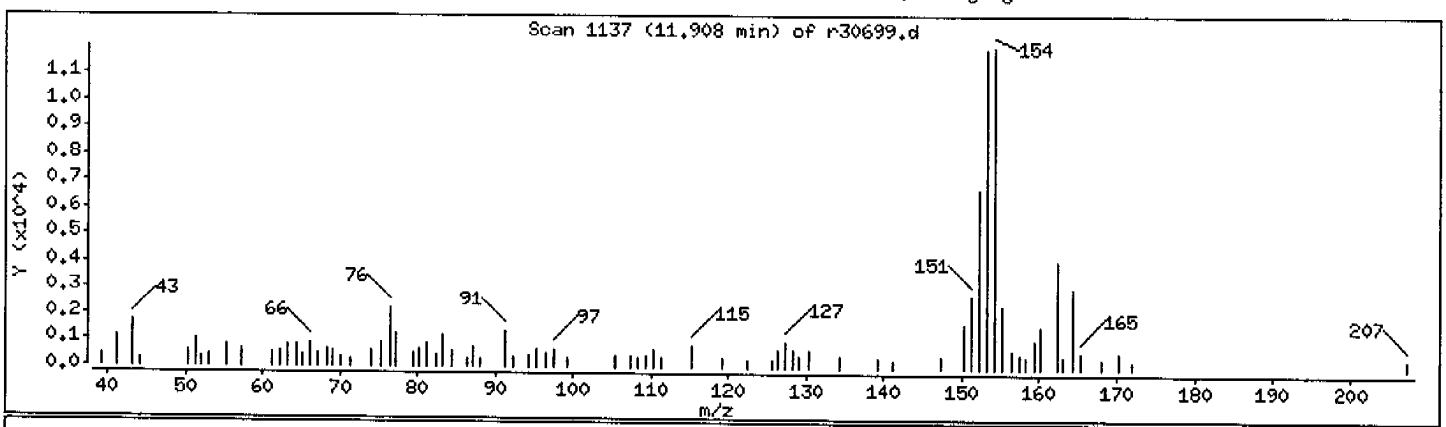
Client ID: B202-SS02 Instrument: BNAMS1.i

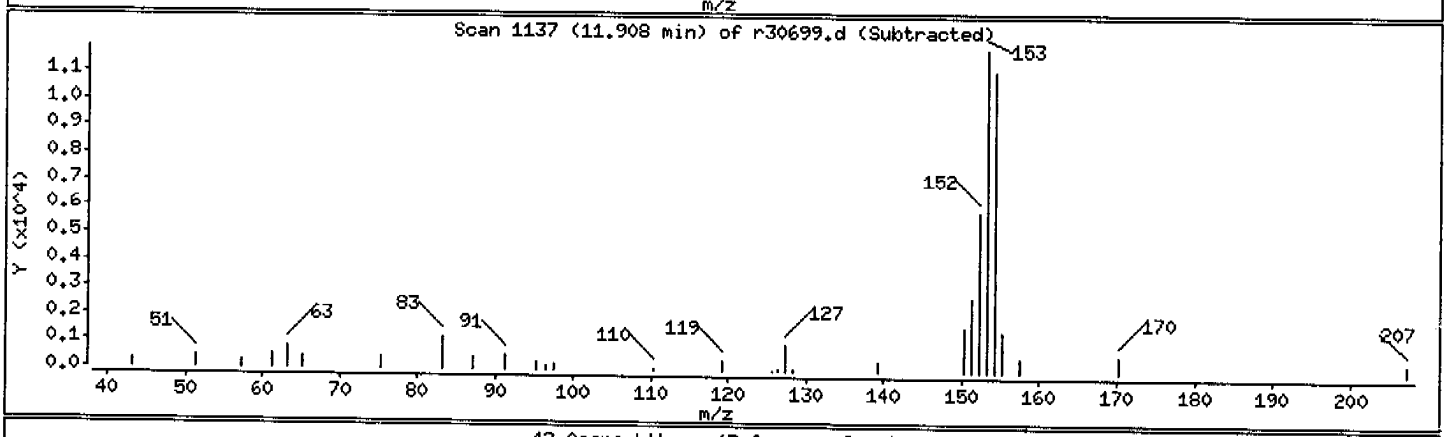
Sample Info: 775270;3280901

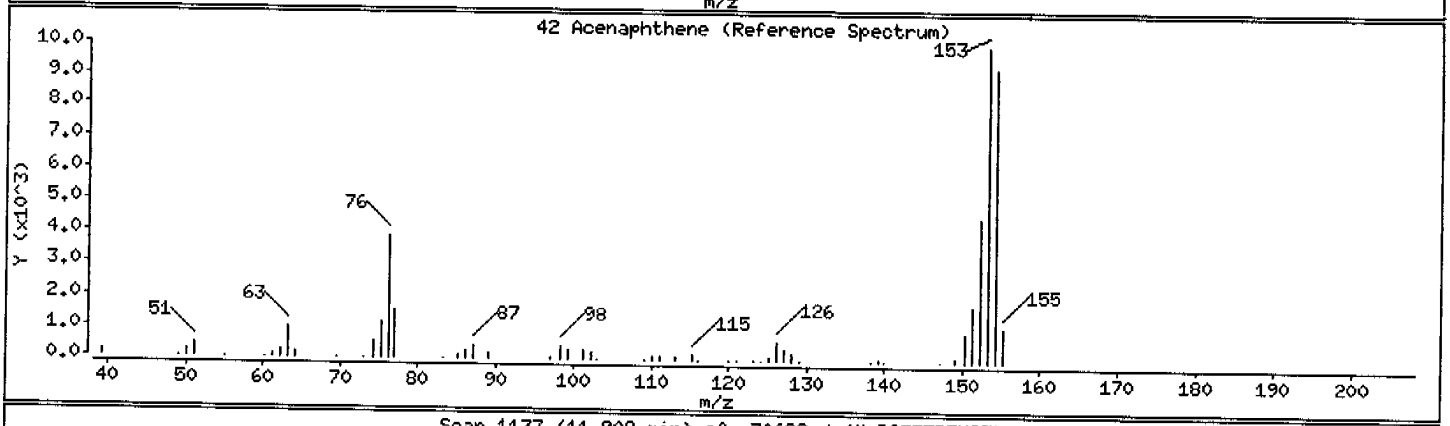
Operator: BNAMS 4

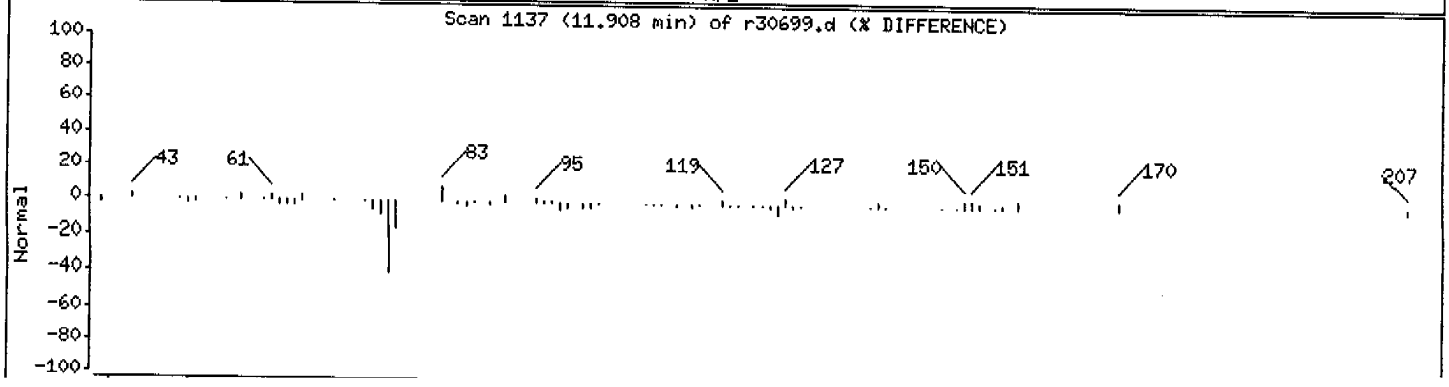
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 54 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

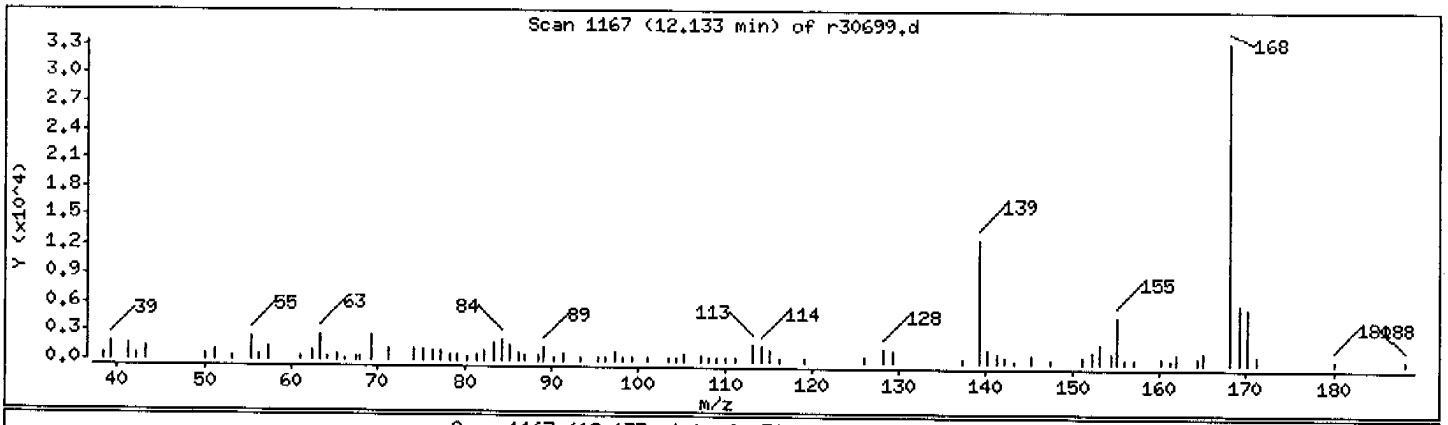
Client ID: B202-SS02 Instrument: BNAMS1.i

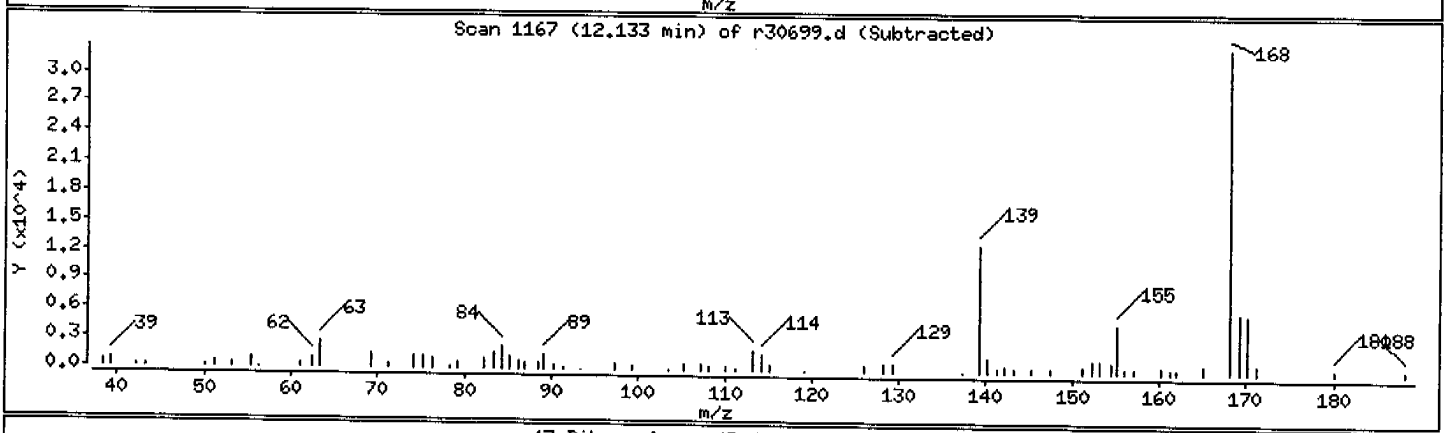
Sample Info: 775270:3280901

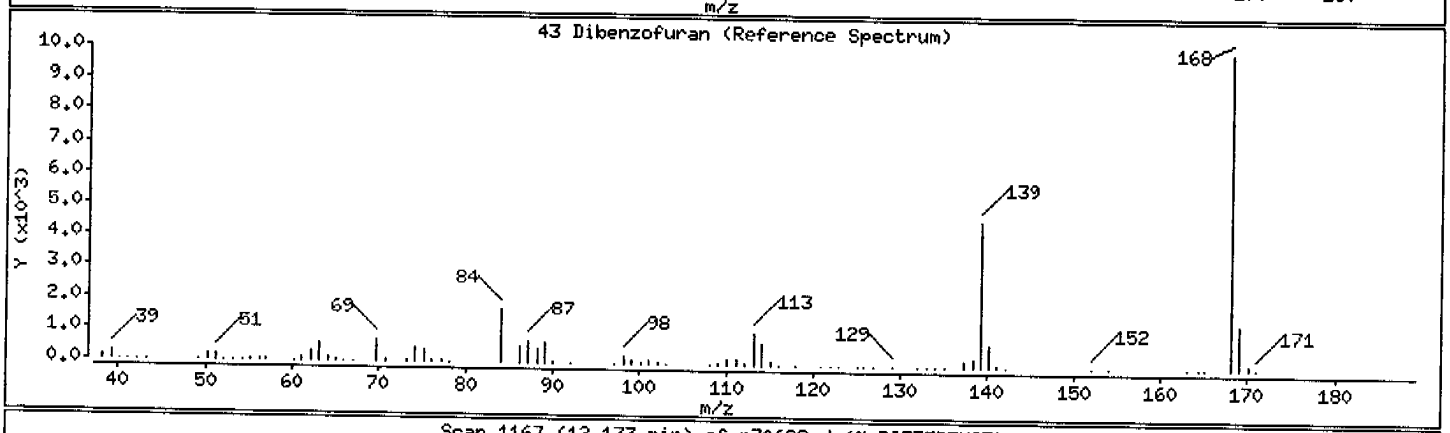
Operator: BNAMS 4

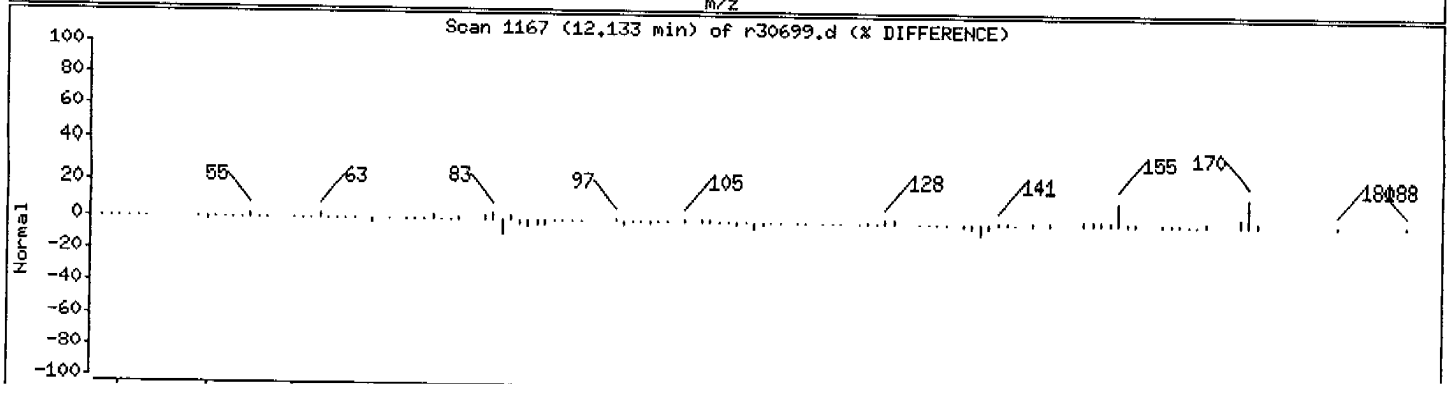
Column phase: DB-5 Column diameter: 0.25

43 Dibenzofuran Concentration: 91 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

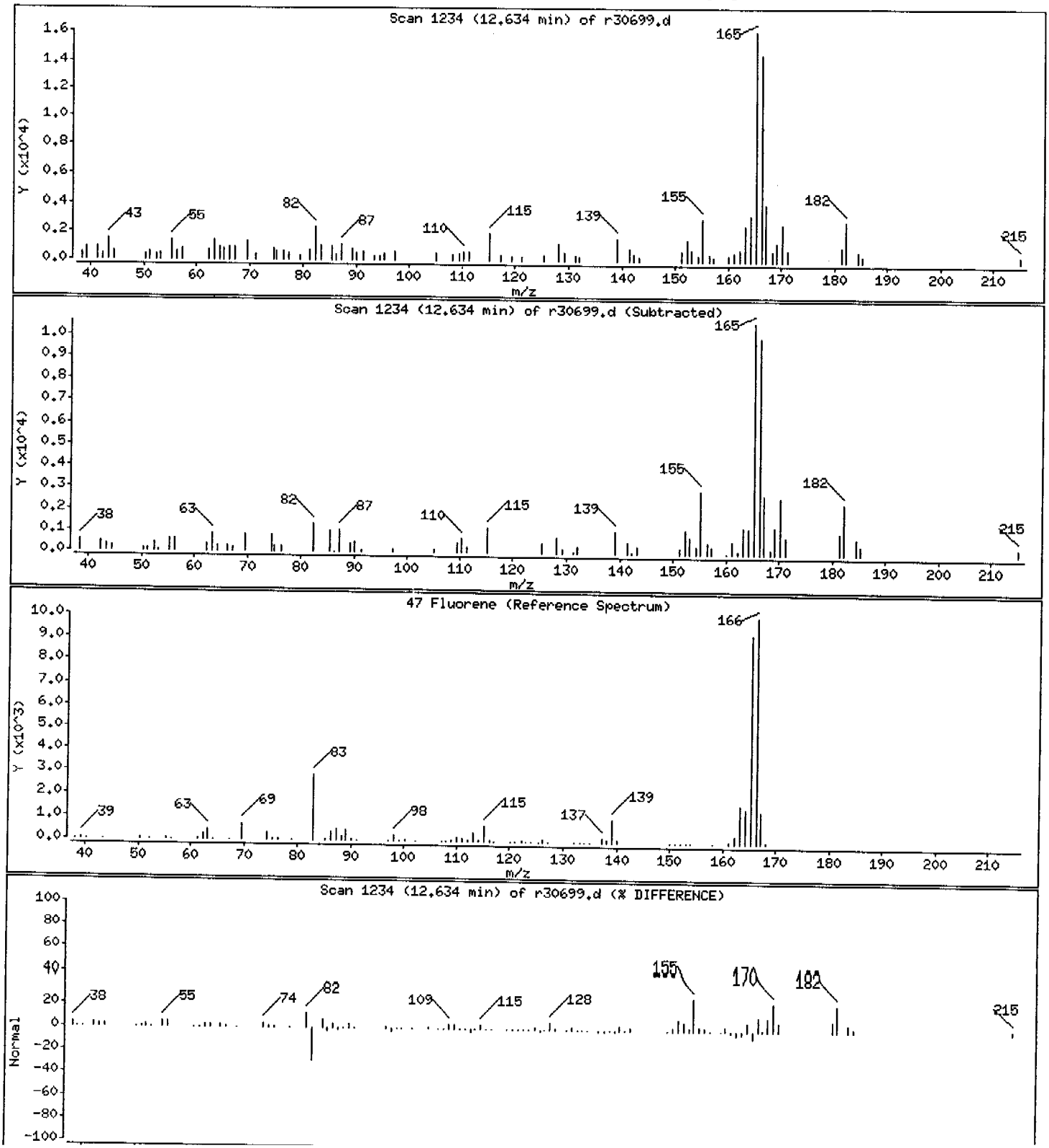
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

47 Fluorene

Concentration: 59 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

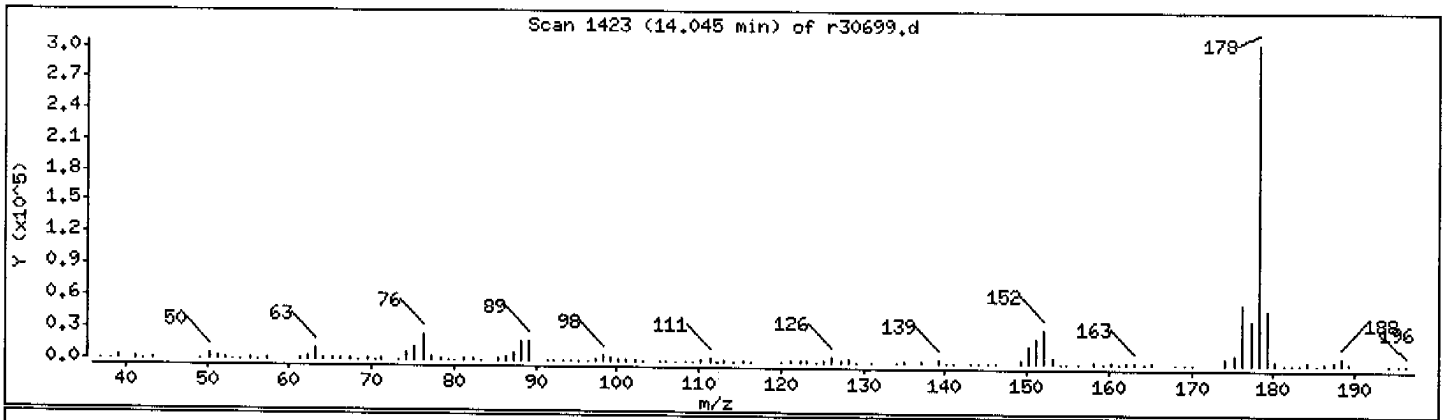
Client ID: B202-SS02 Instrument: BNAMS1.i

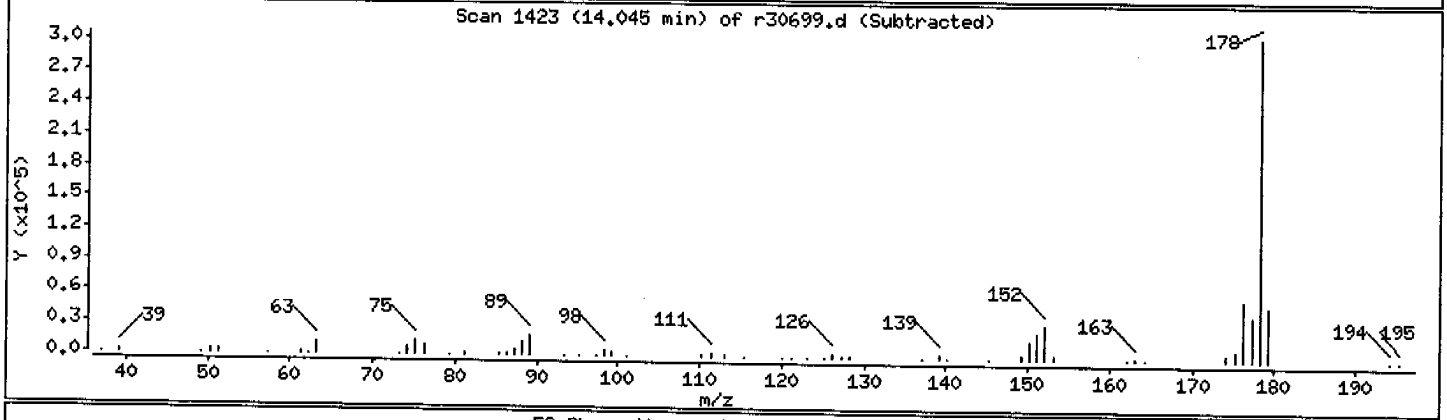
Sample Info: 775270;3280901

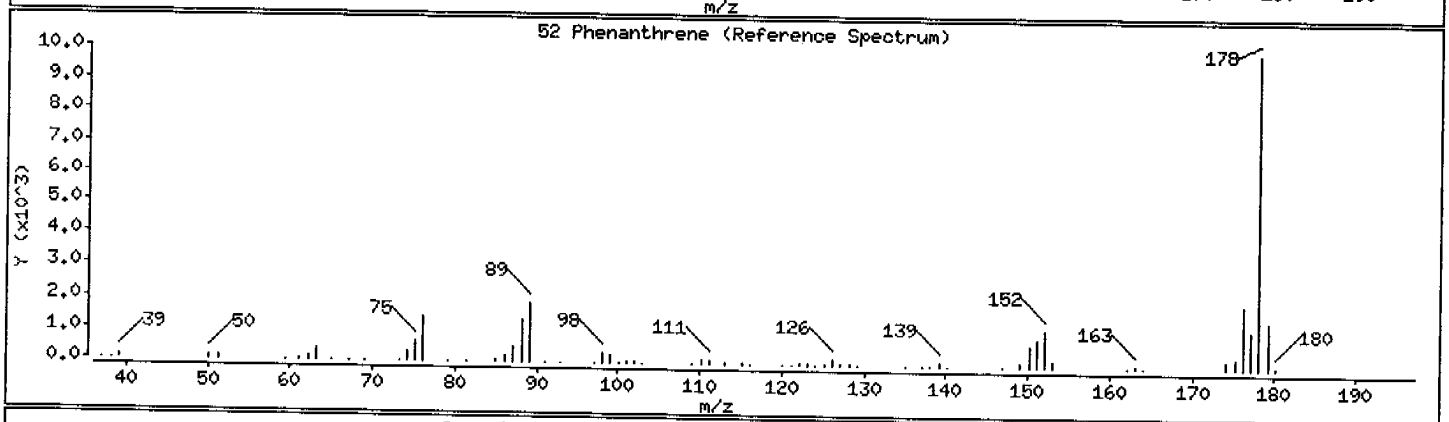
Operator: BNAMS 4

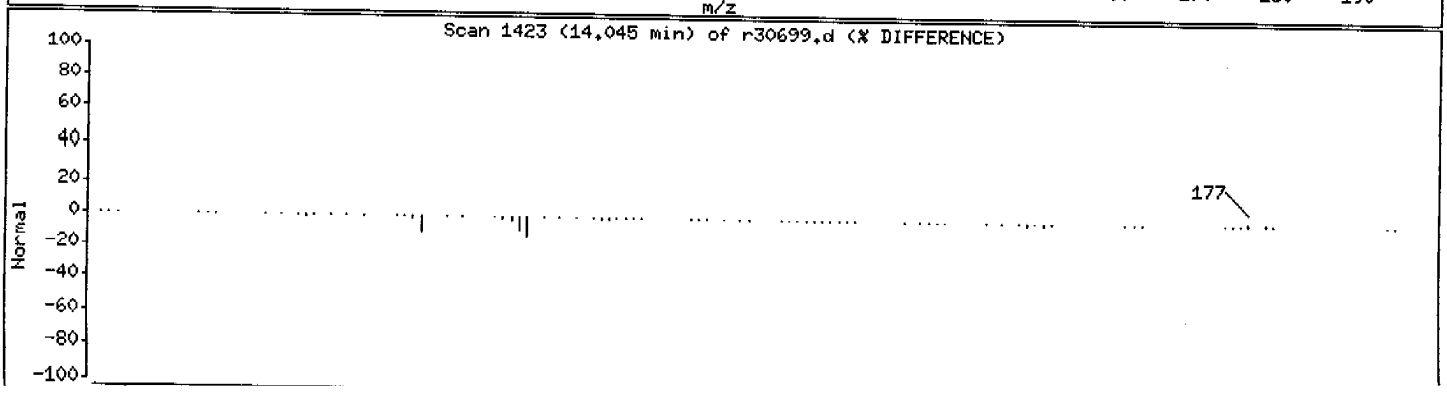
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 800 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

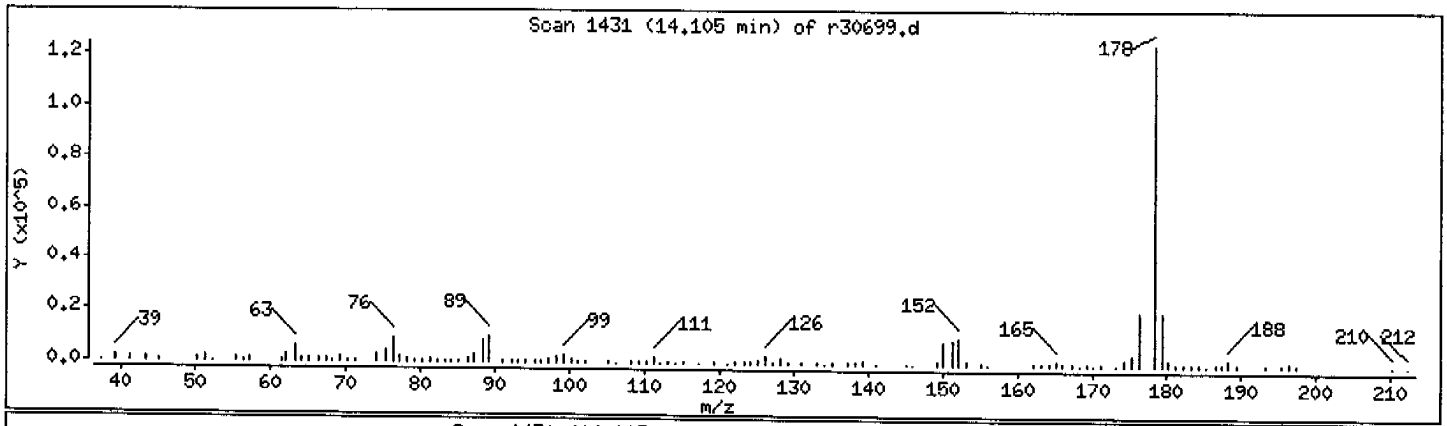
Client ID: B202-SS02 Instrument: BNAMS1.i

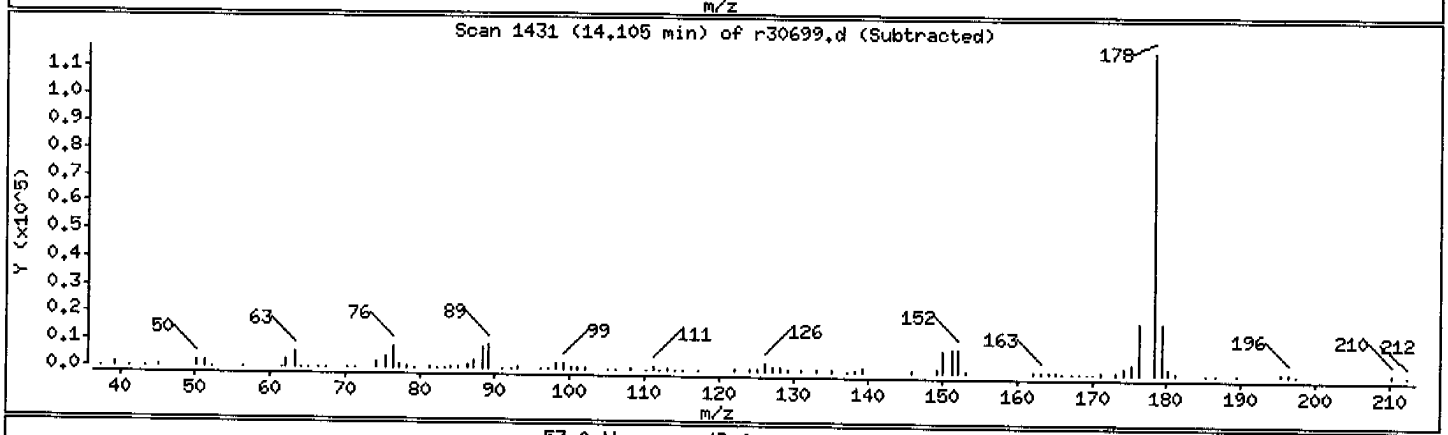
Sample Info: 775270;3280901

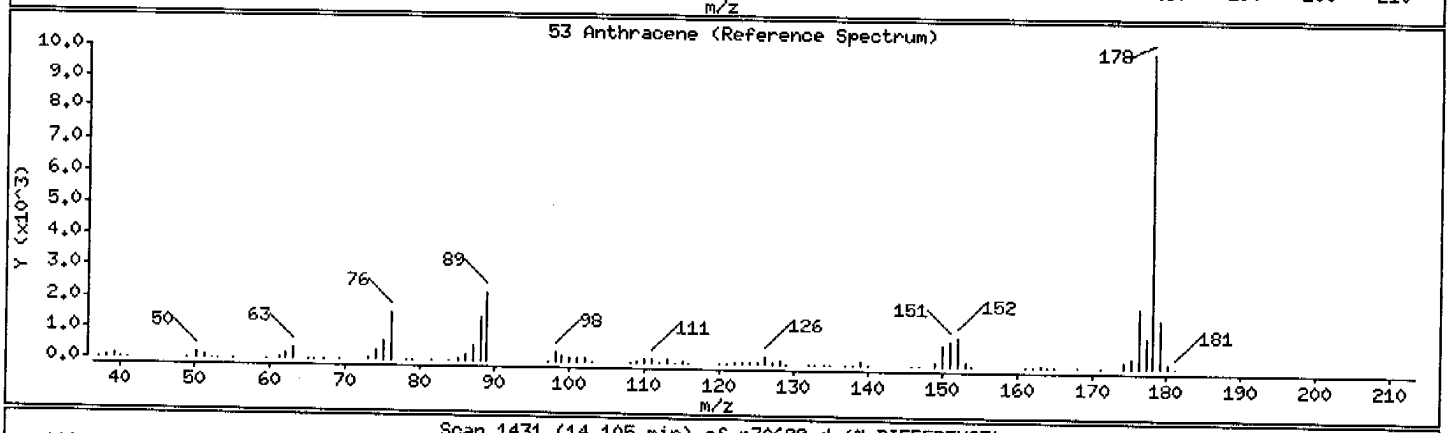
Operator: BNAMS 4

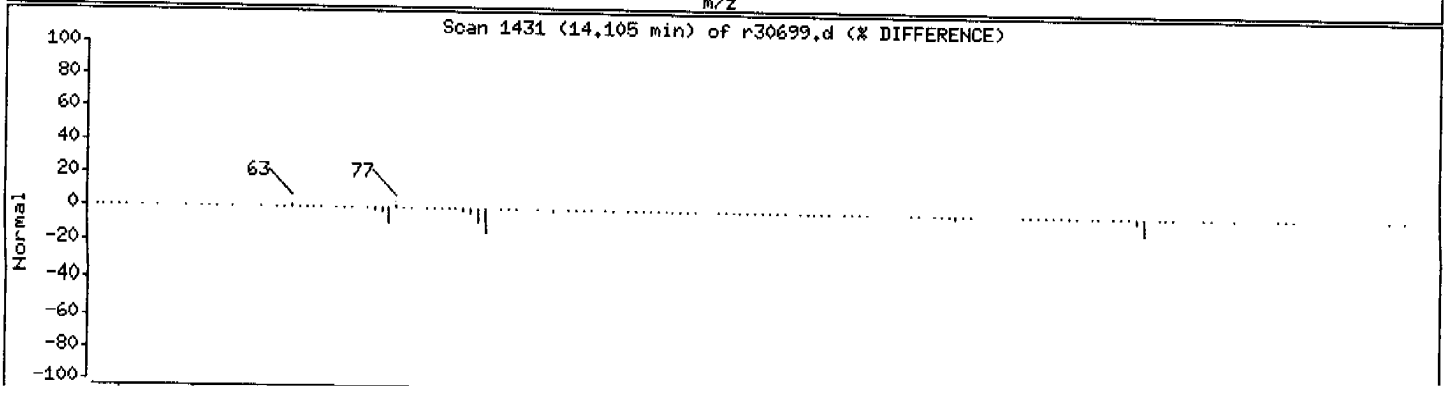
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 340 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

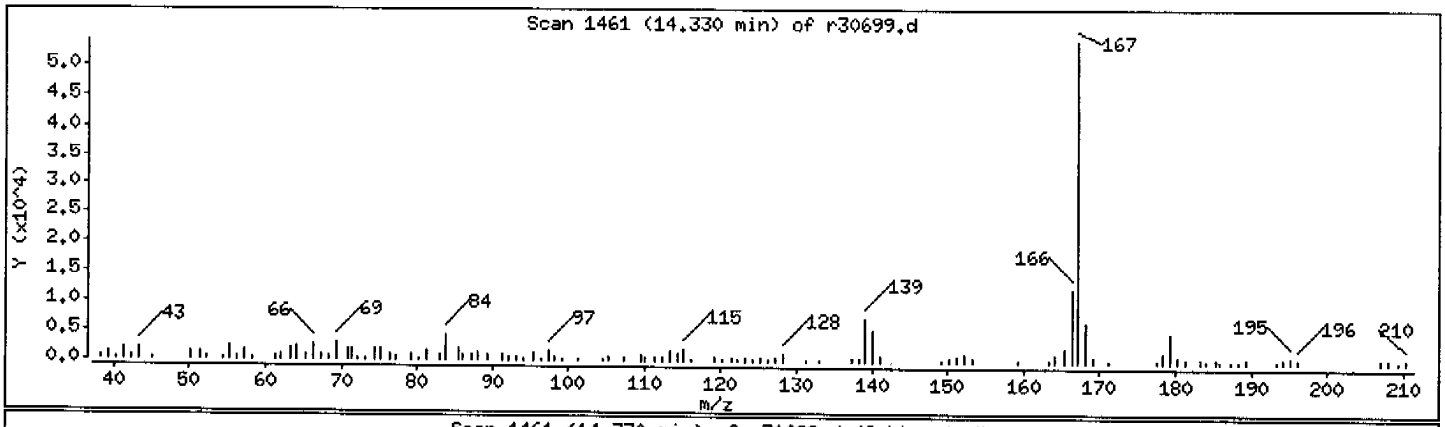
Client ID: B202-SS02 Instrument: BNAMS1.i

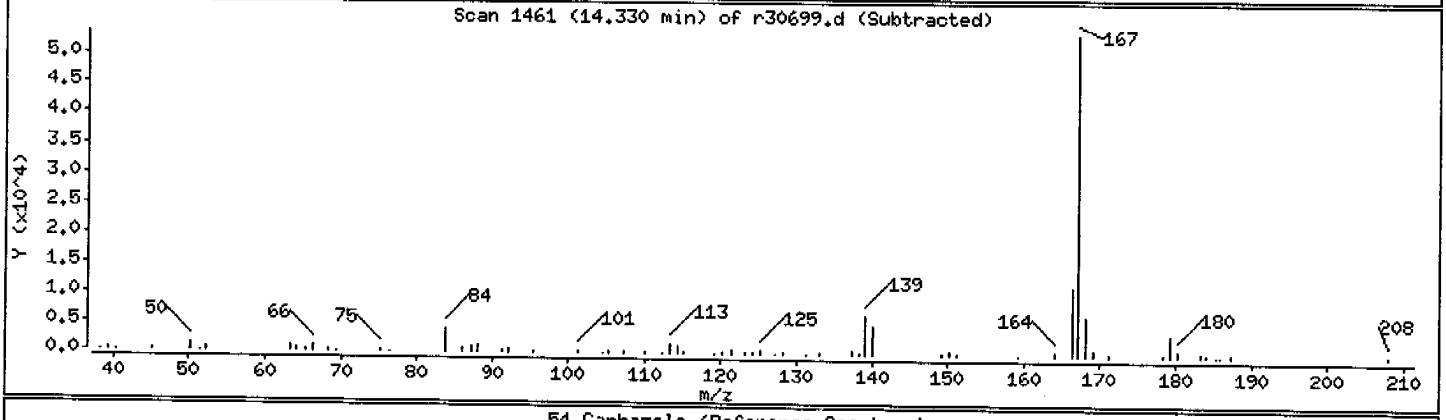
Sample Info: 775270;3280901

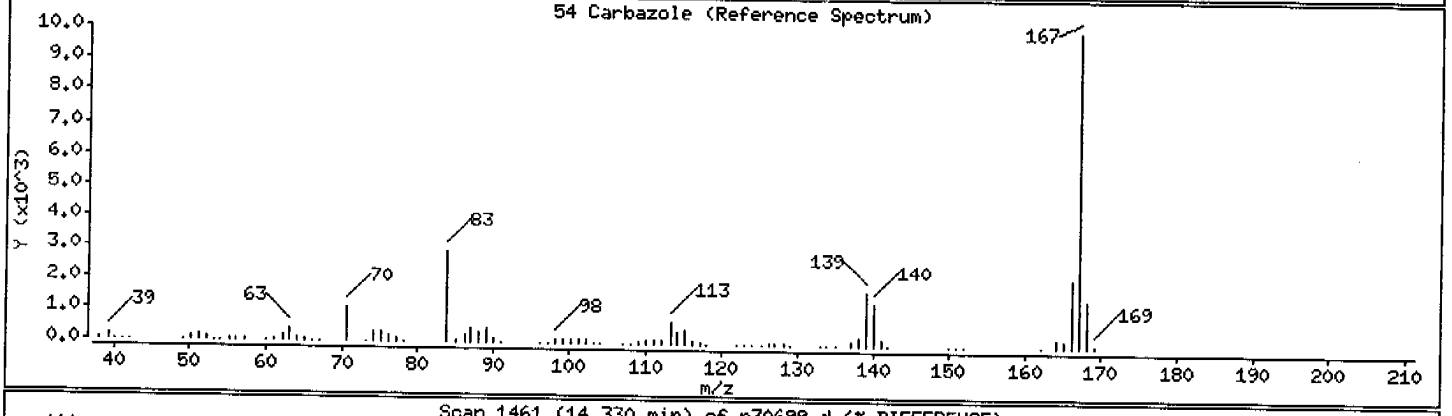
Operator: BNAMS 4

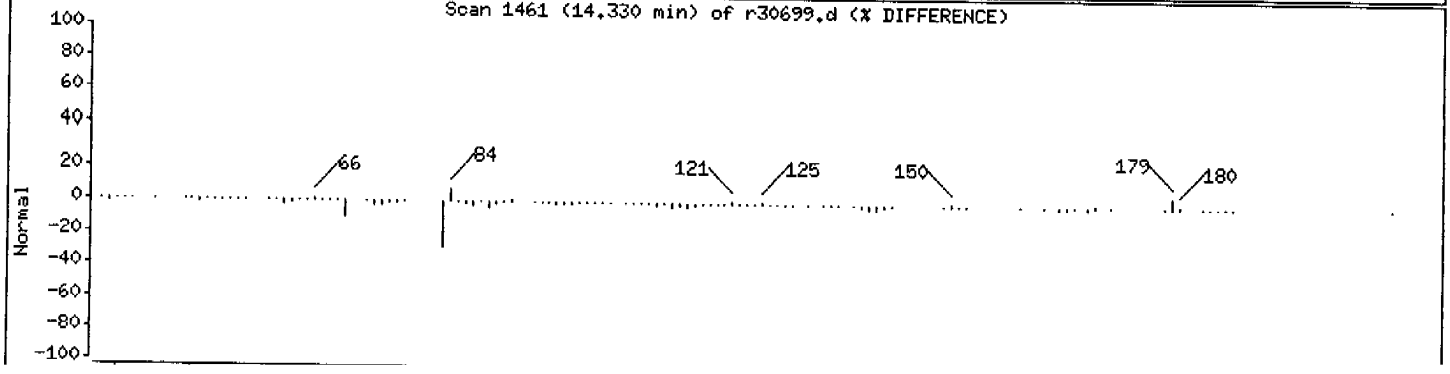
Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 160 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

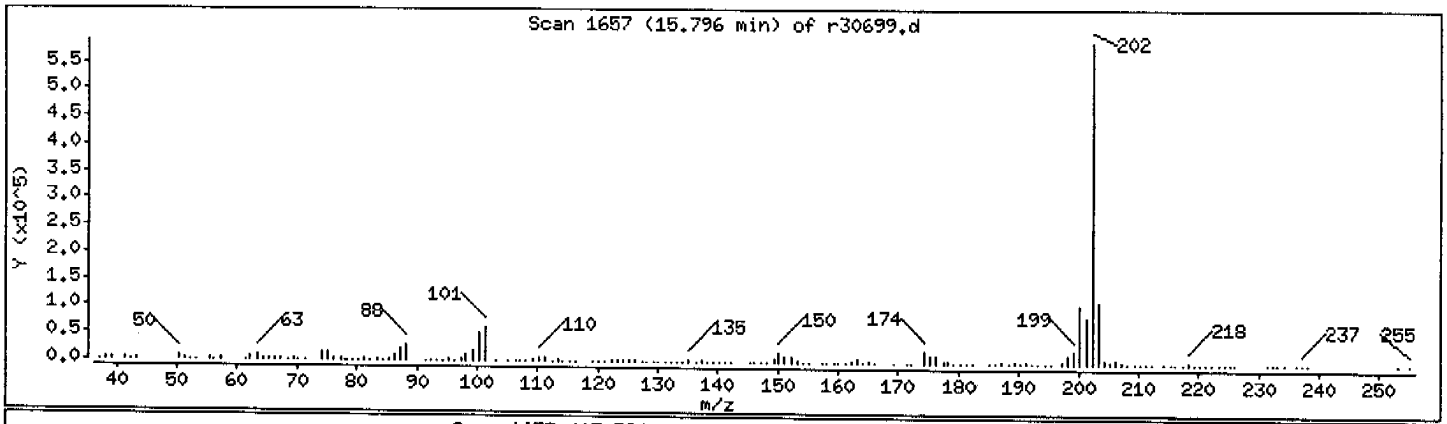
Client ID: B202-SS02 Instrument: BNAMS1.i

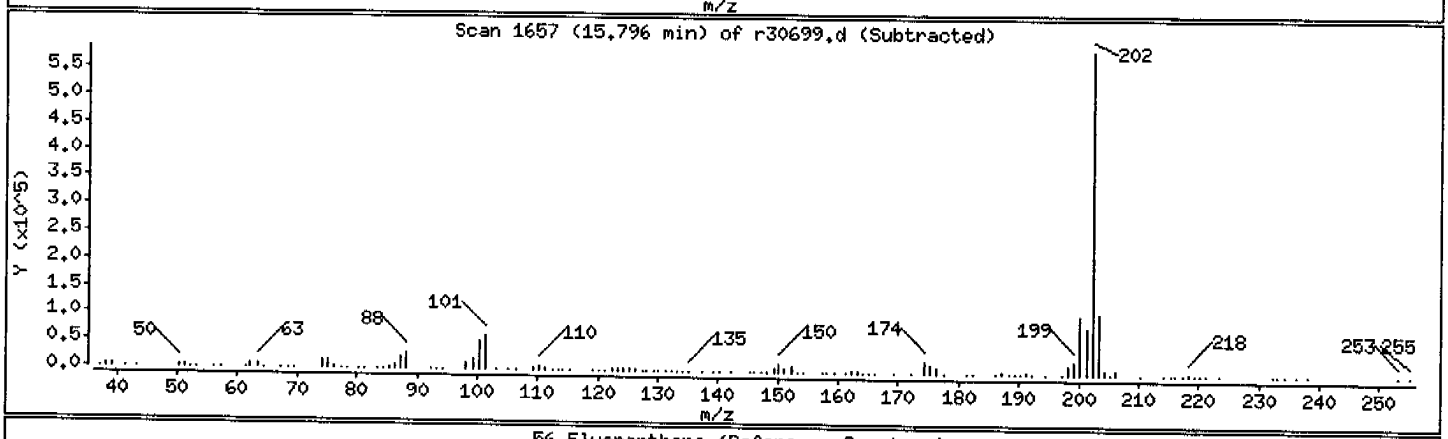
Sample Info: 775270;3280901

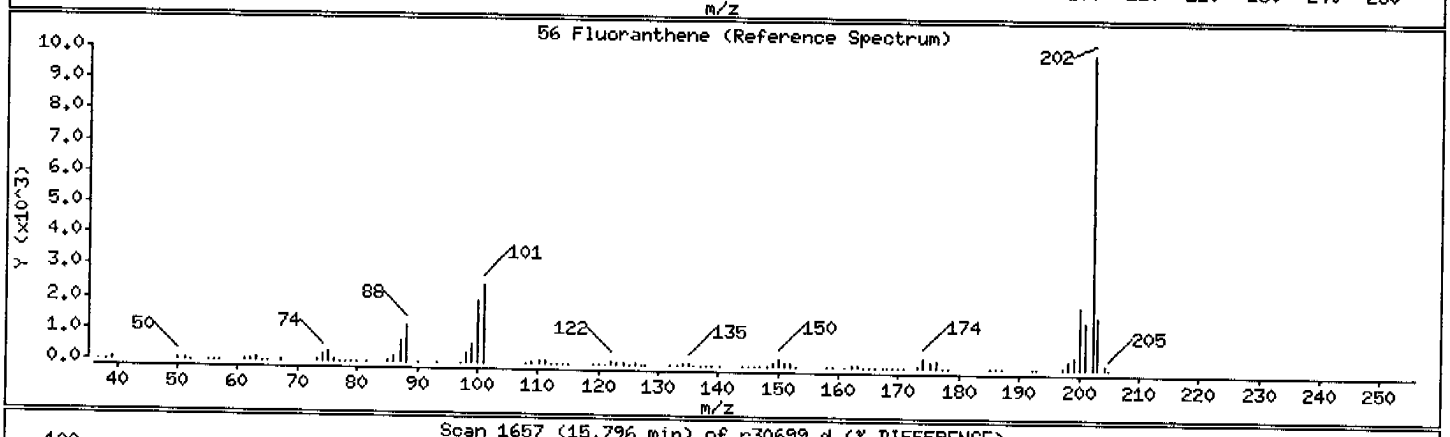
Operator: BNAMS 4

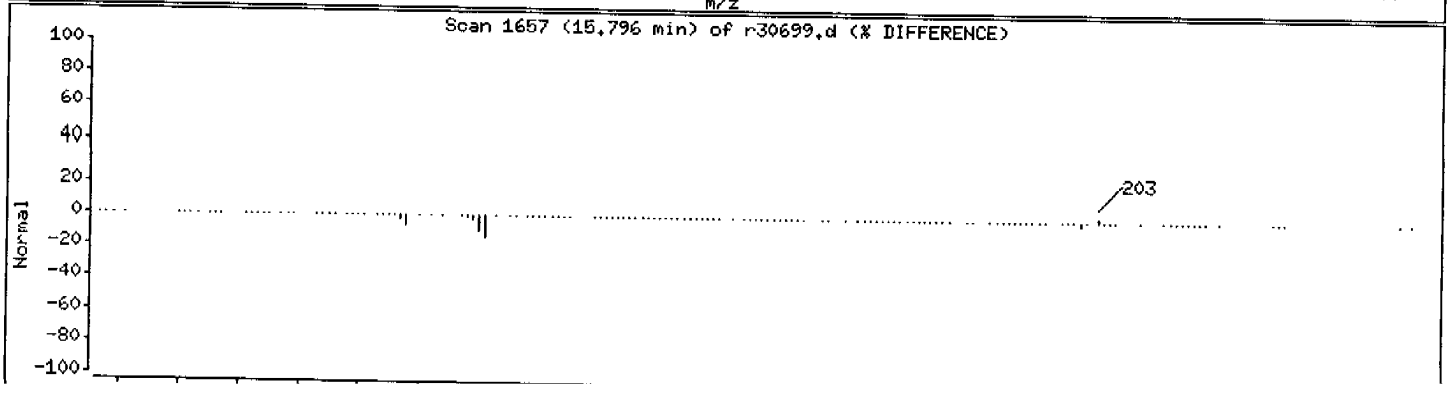
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 1700 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

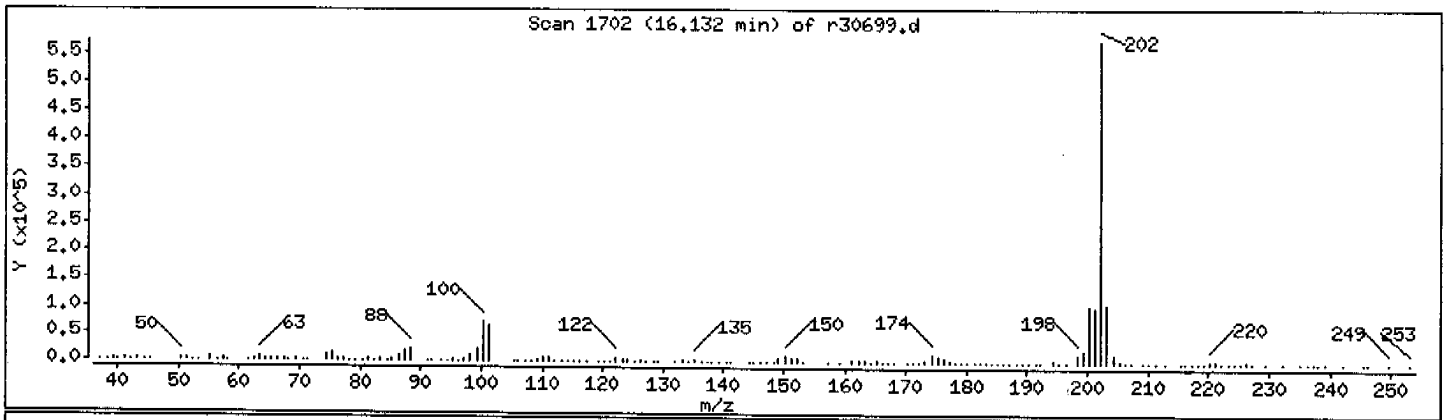
Client ID: B202-SS02 Instrument: BNAMS1.i

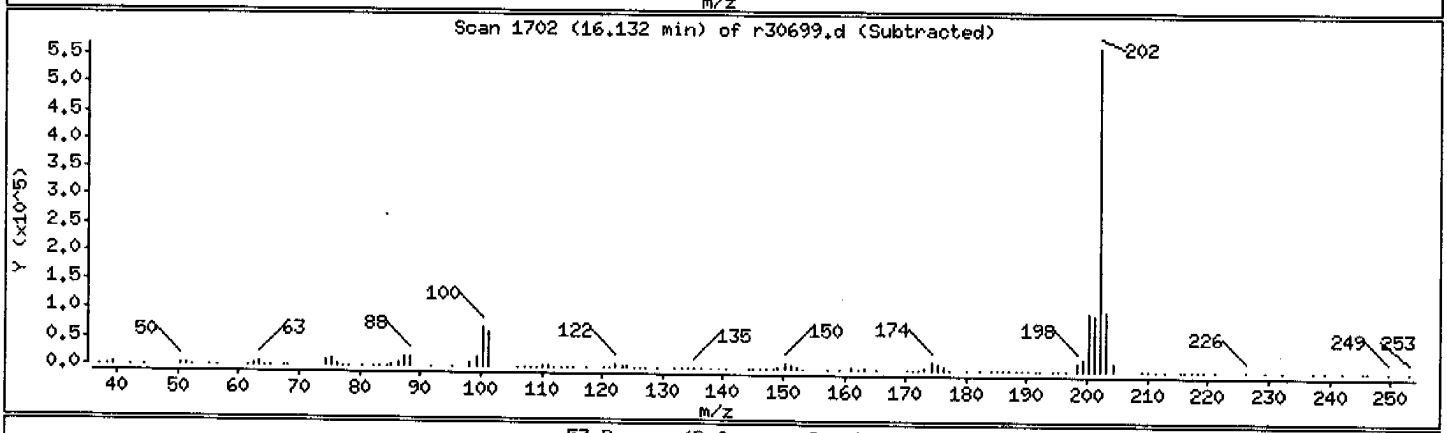
Sample Info: 775270;3280901

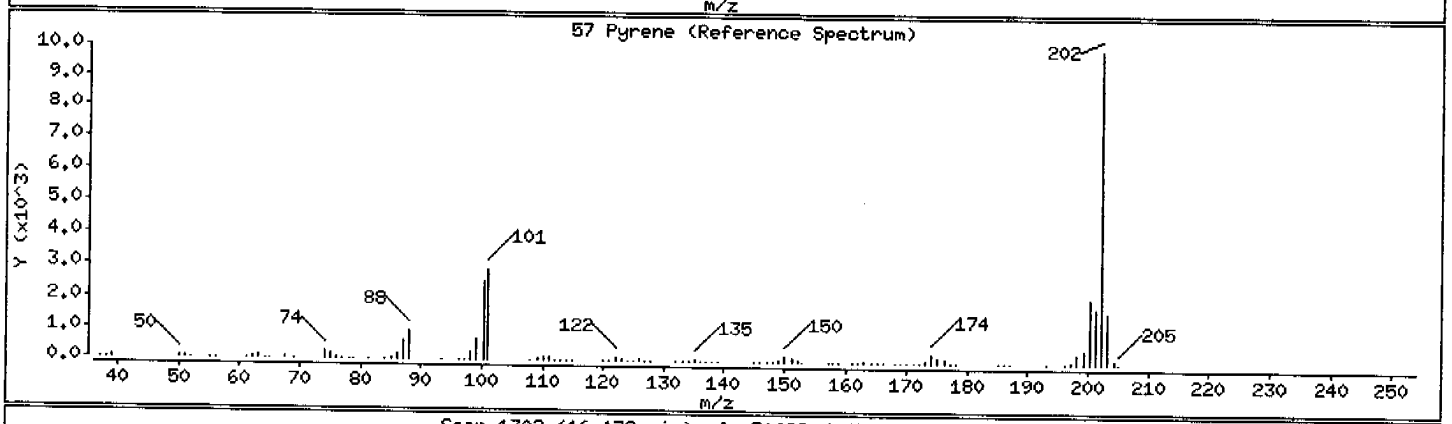
Operator: BNAMS 4

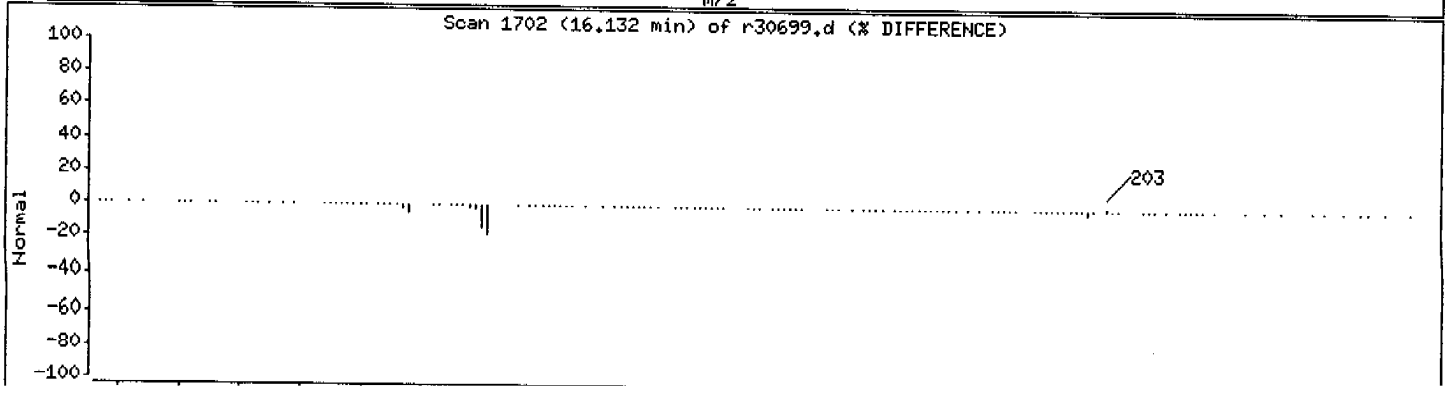
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 1800 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

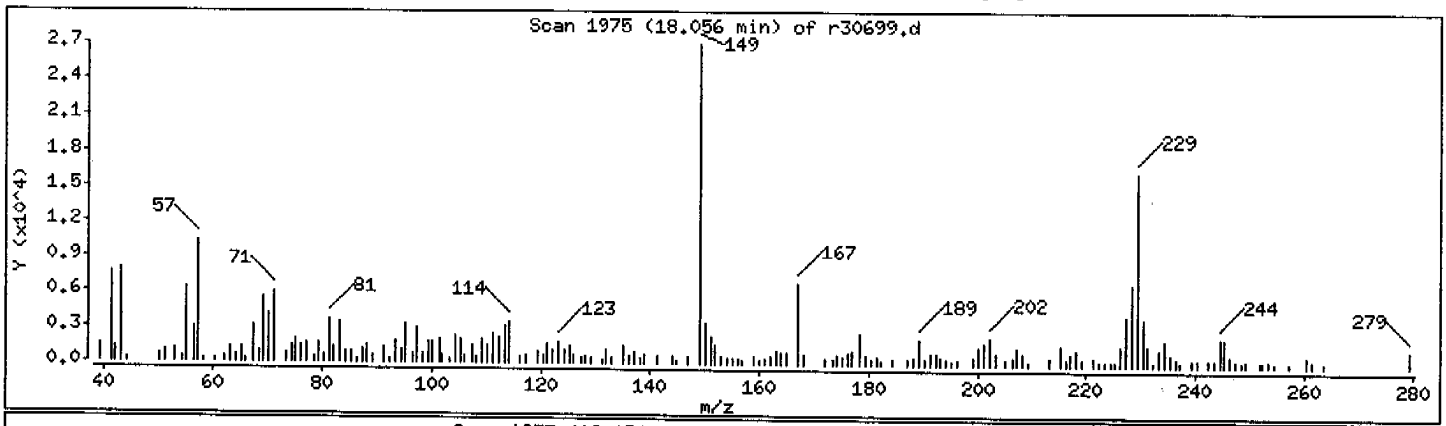
Client ID: B202-SS02 Instrument: BNAMS1.i

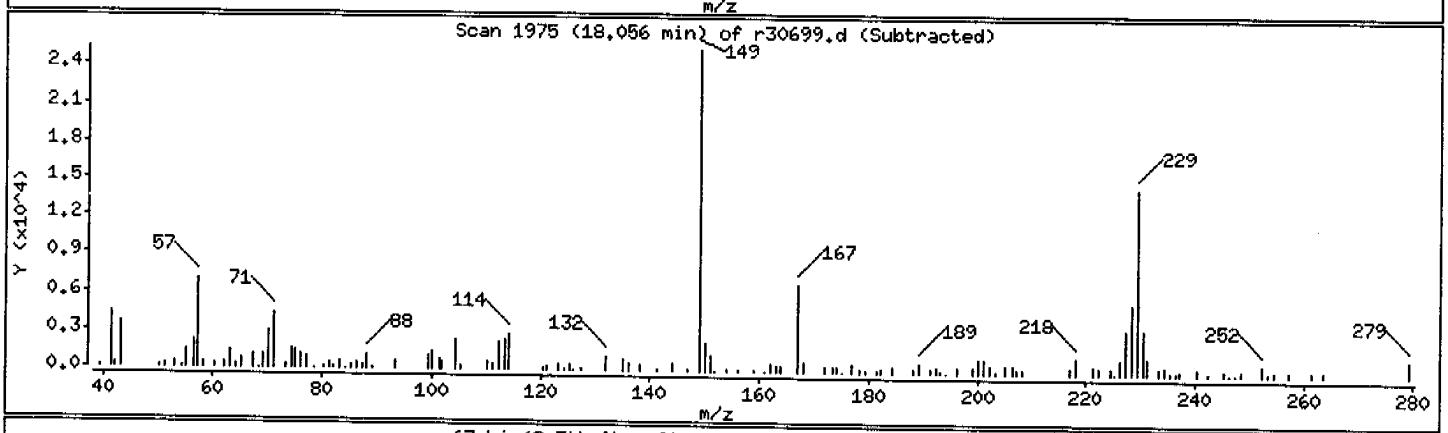
Sample Info: 775270;3280901

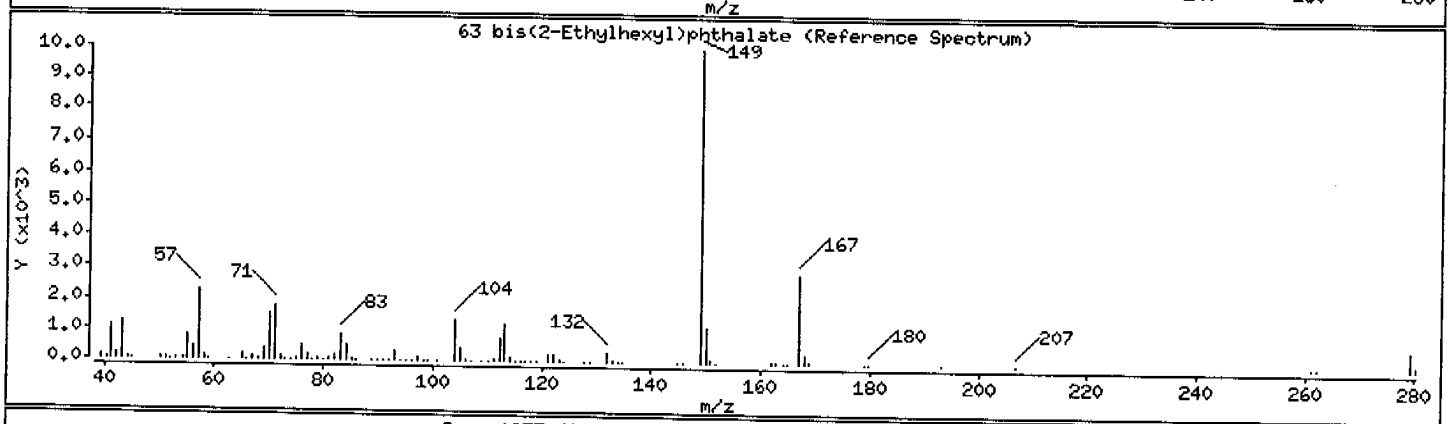
Operator: BNAMS 4

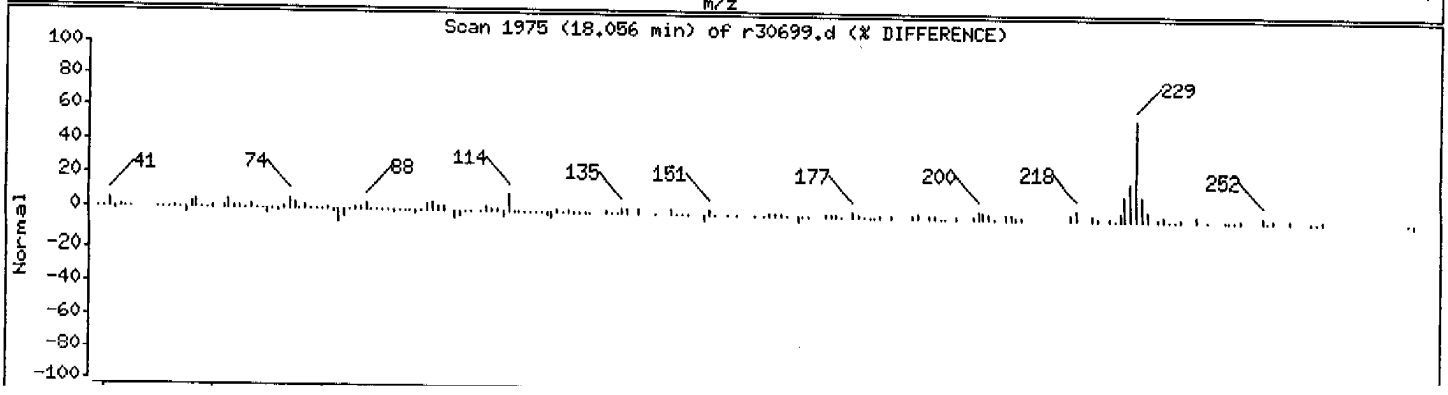
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 120 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

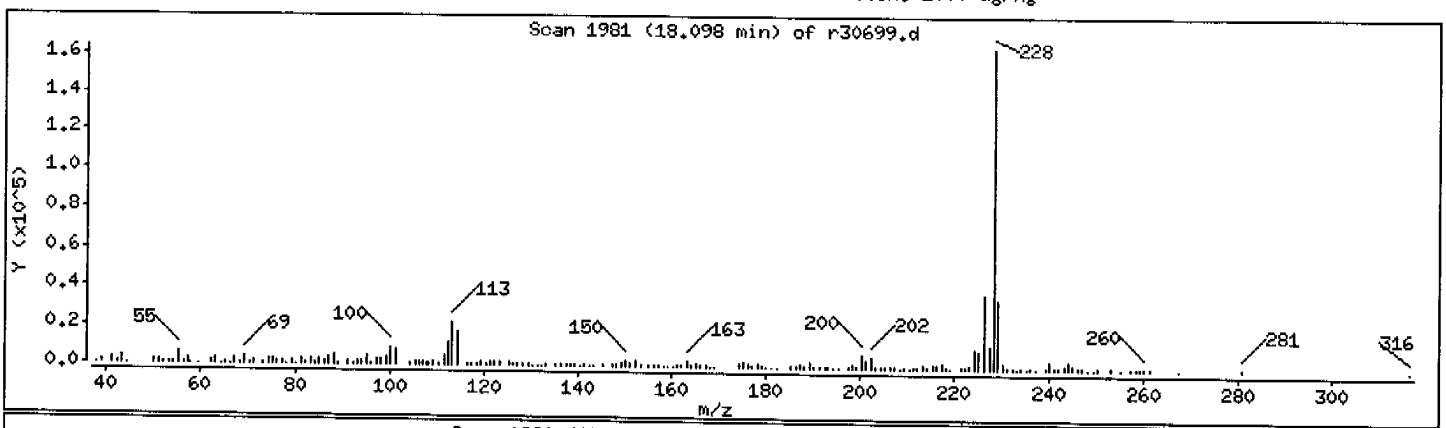
Operator: BNAMS 4

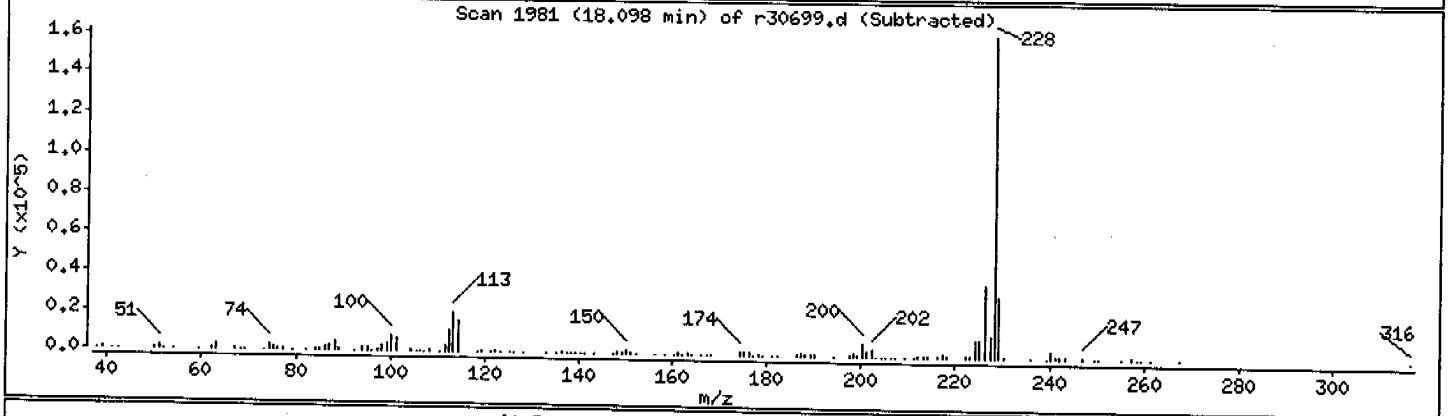
Column phase: DB-5

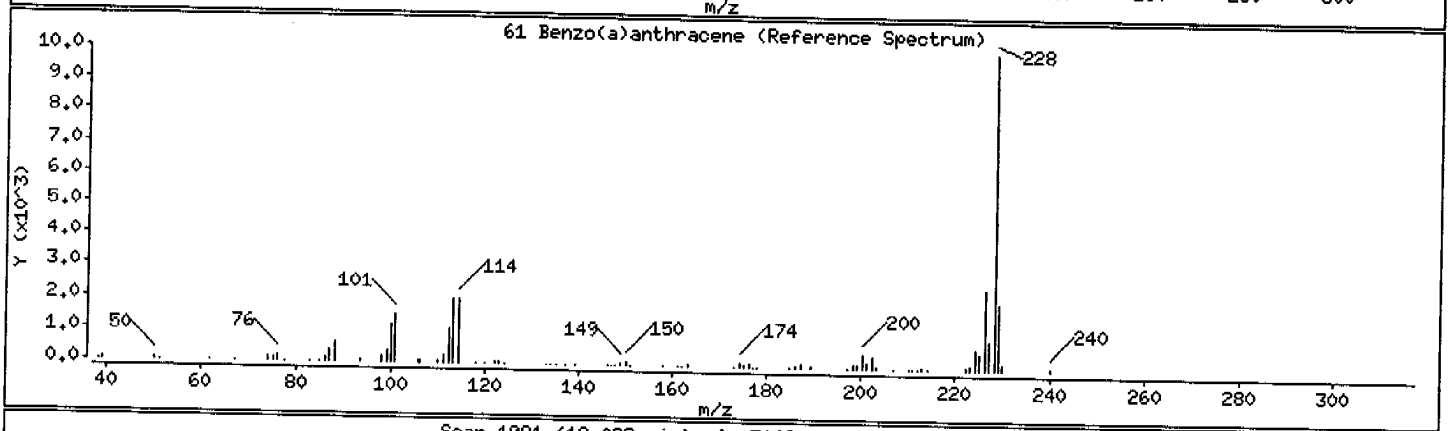
Column diameter: 0.25

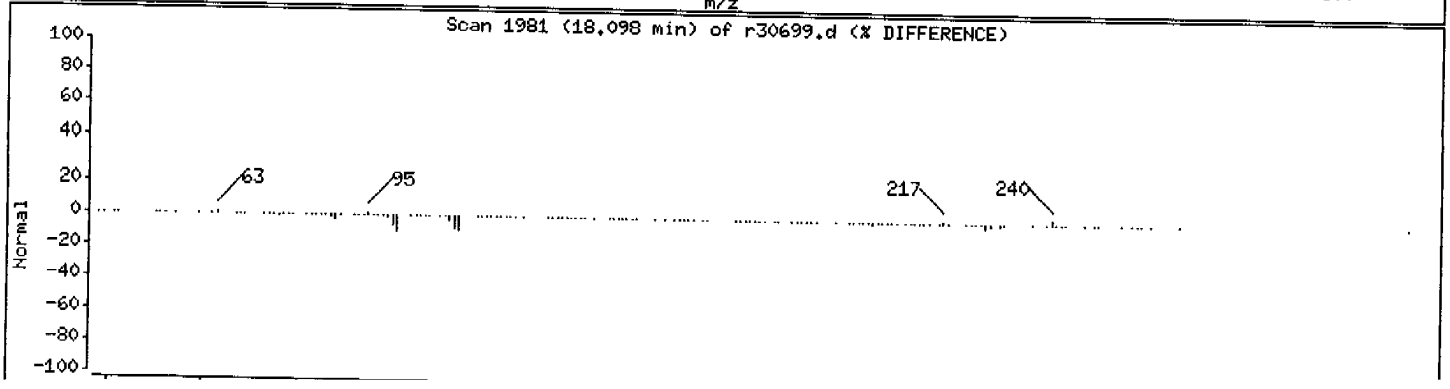
61 Benzo(a)anthracene

Concentration: 1000 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

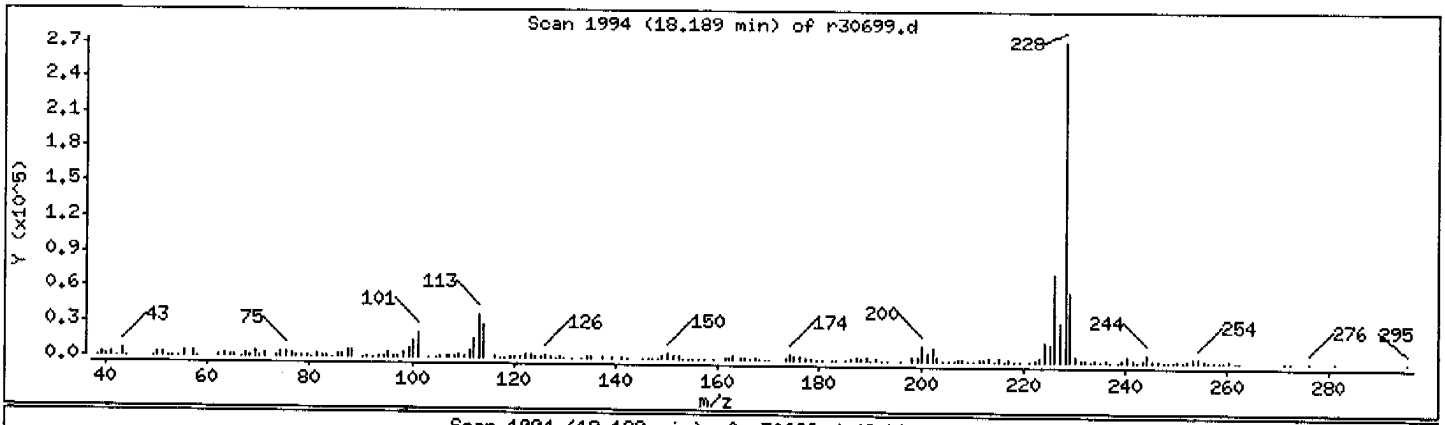
Operator: BNAMS 4

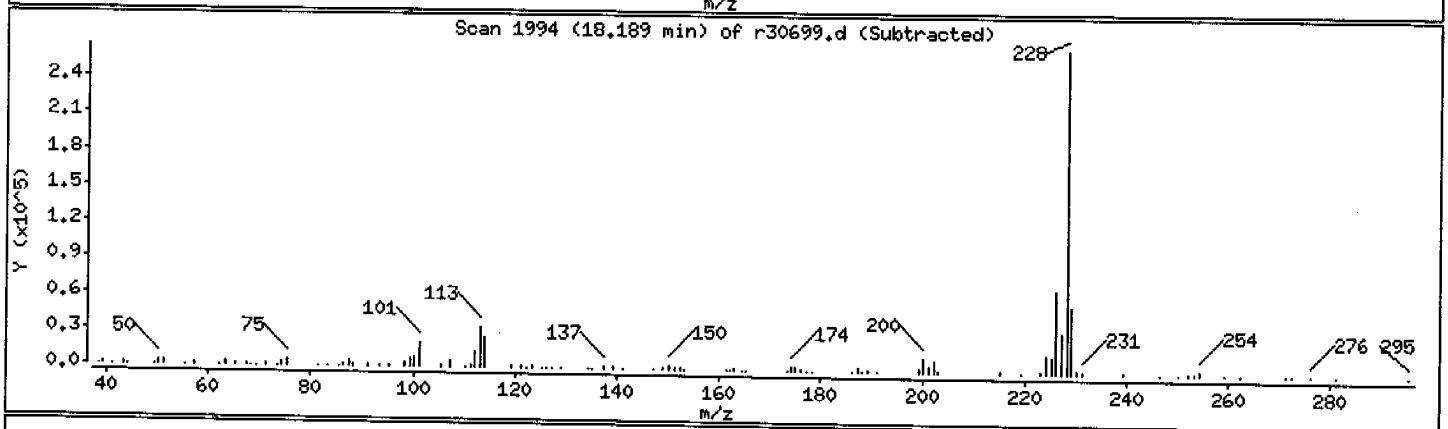
Column phase: DB-5

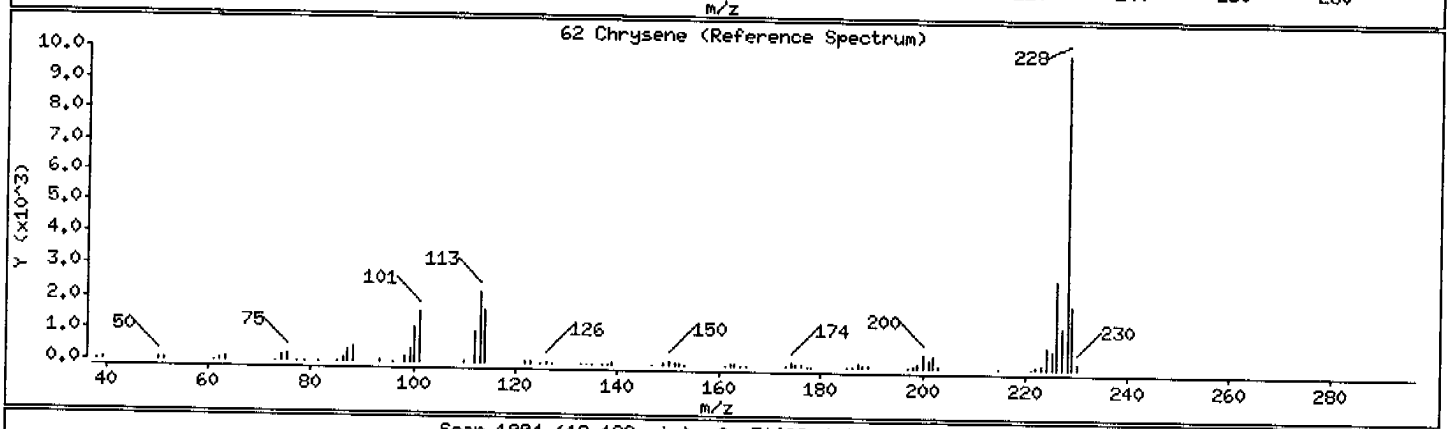
Column diameter: 0.25

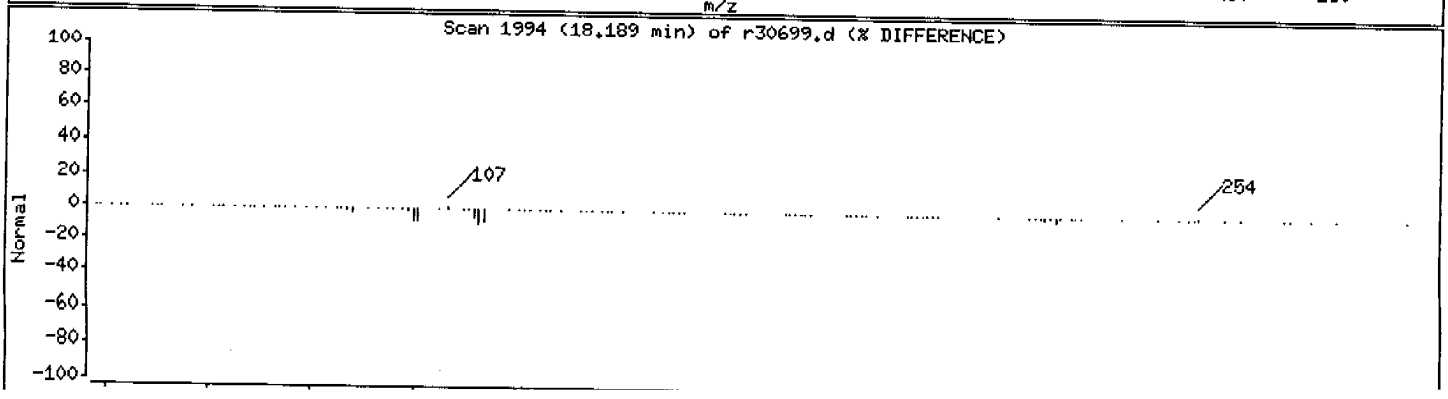
62 Chrysene

Concentration: 1500 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

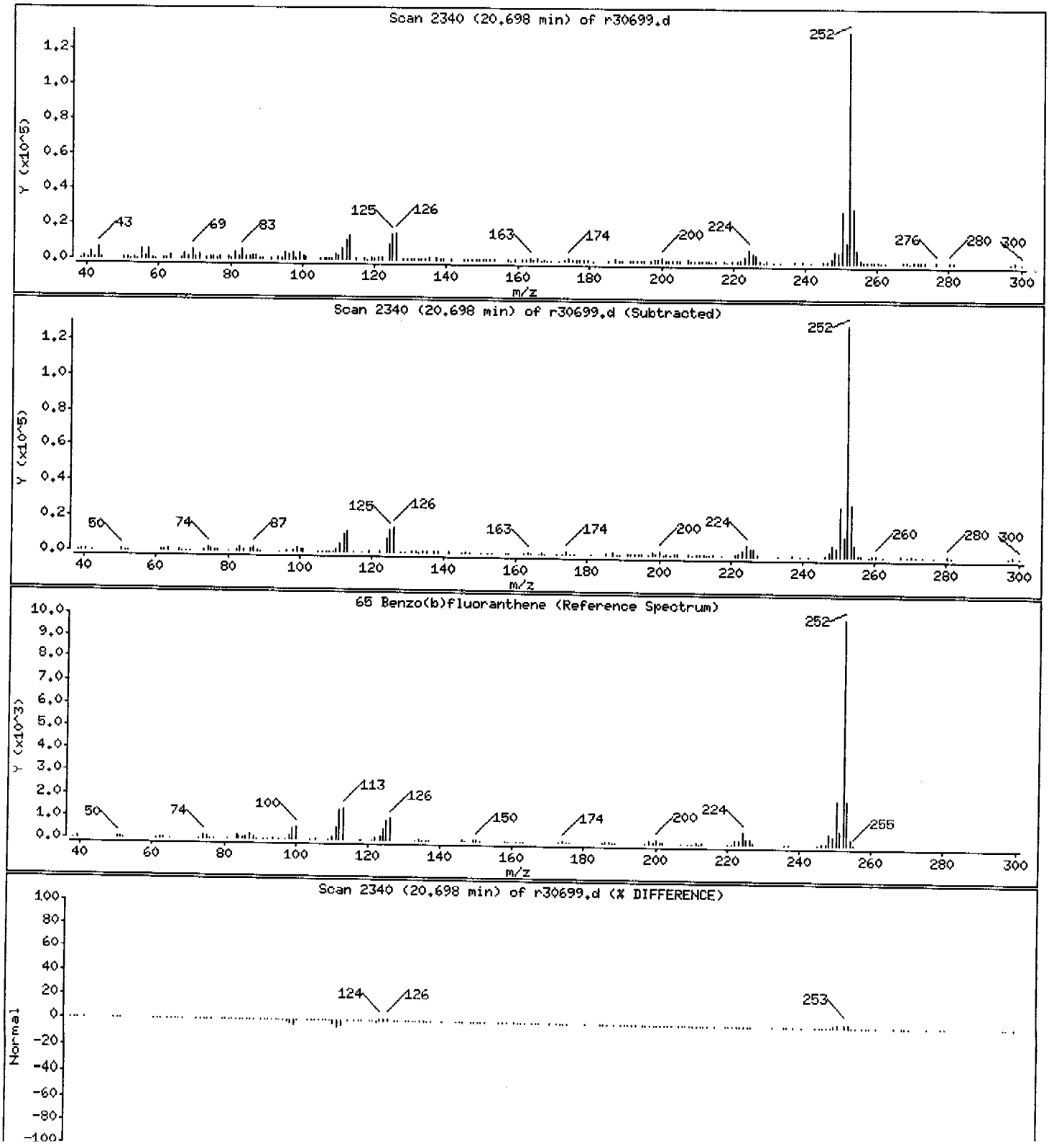
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 1800 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

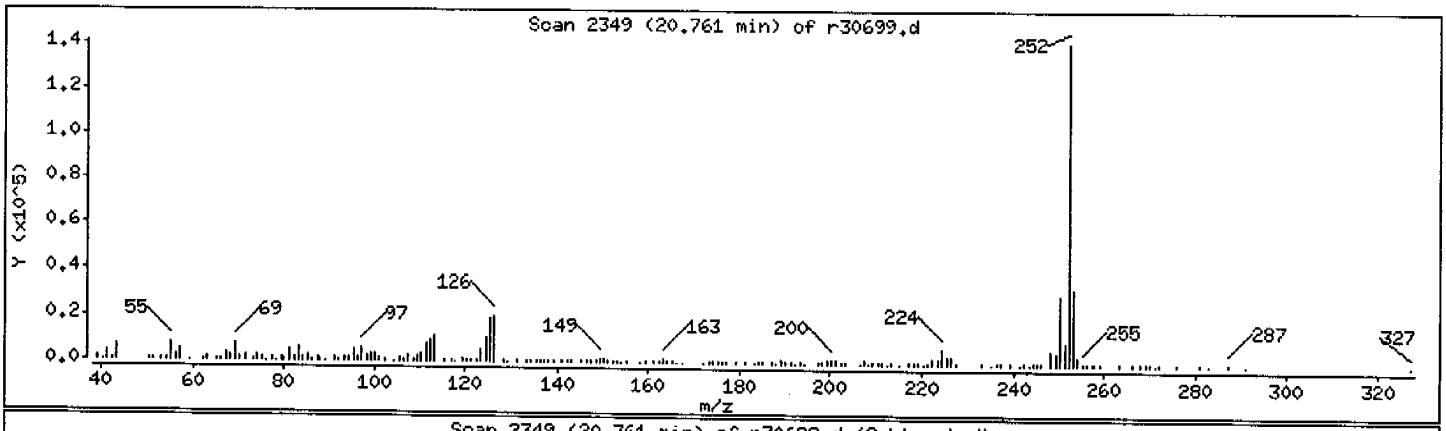
Operator: BNAMS 4

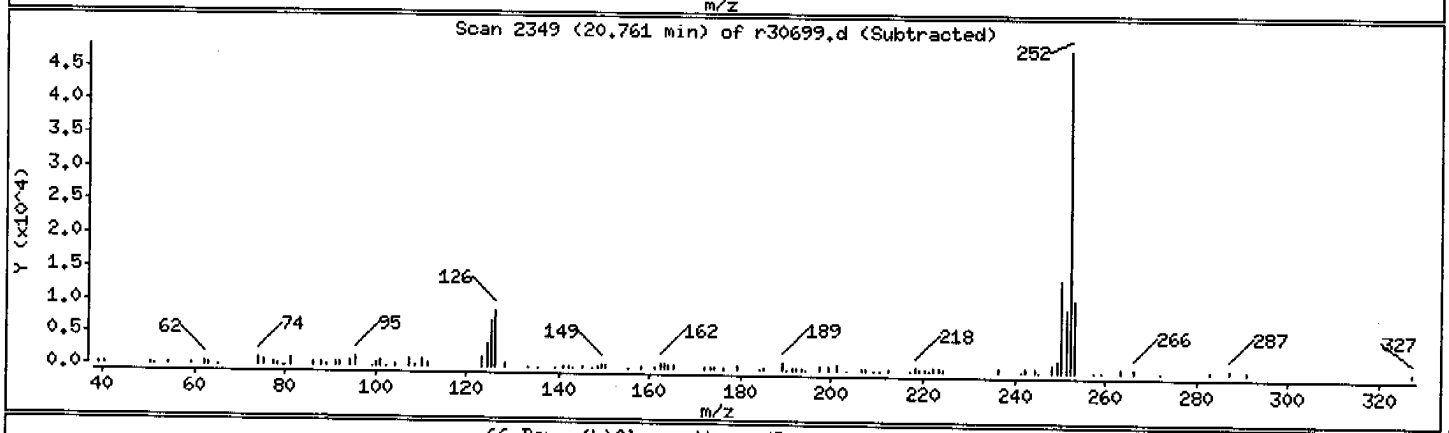
Column phase: DB-5

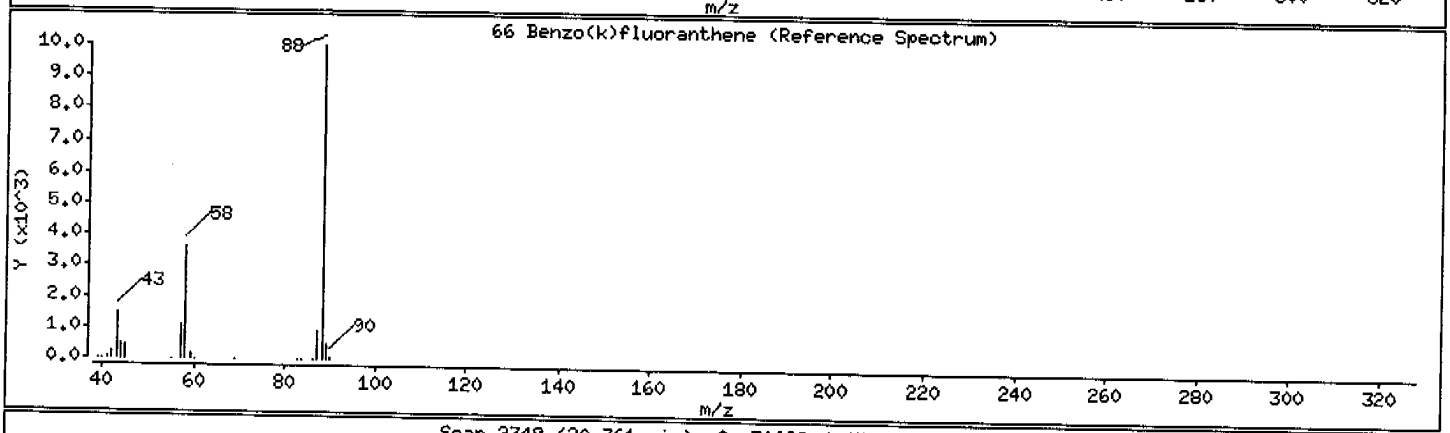
Column diameter: 0.25

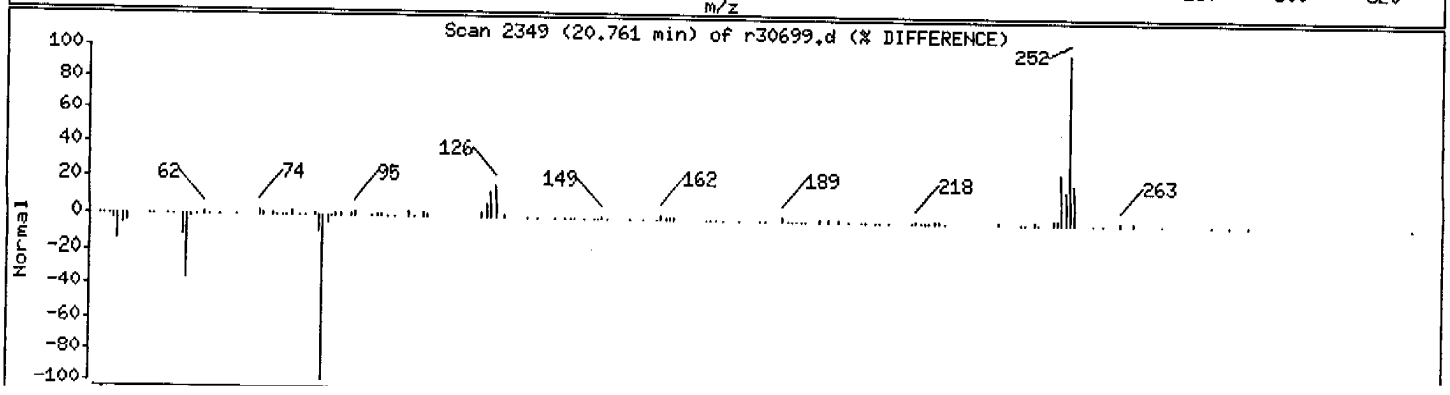
66 Benzo(k)fluoranthene

Concentration: 2000 ug/Kg









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Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

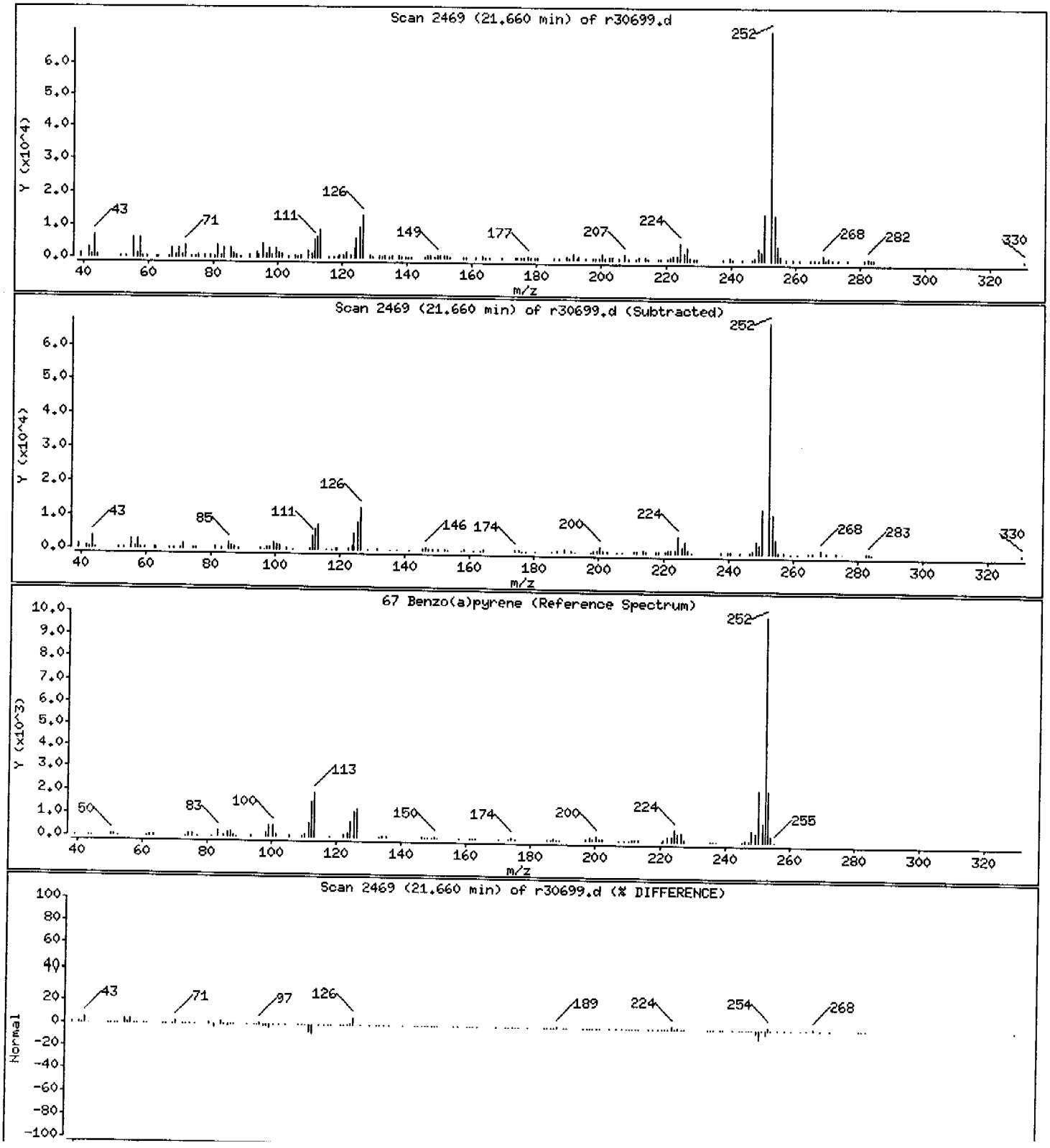
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 1100 ug/Kg



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Date : 06-OCT-2006 17:50

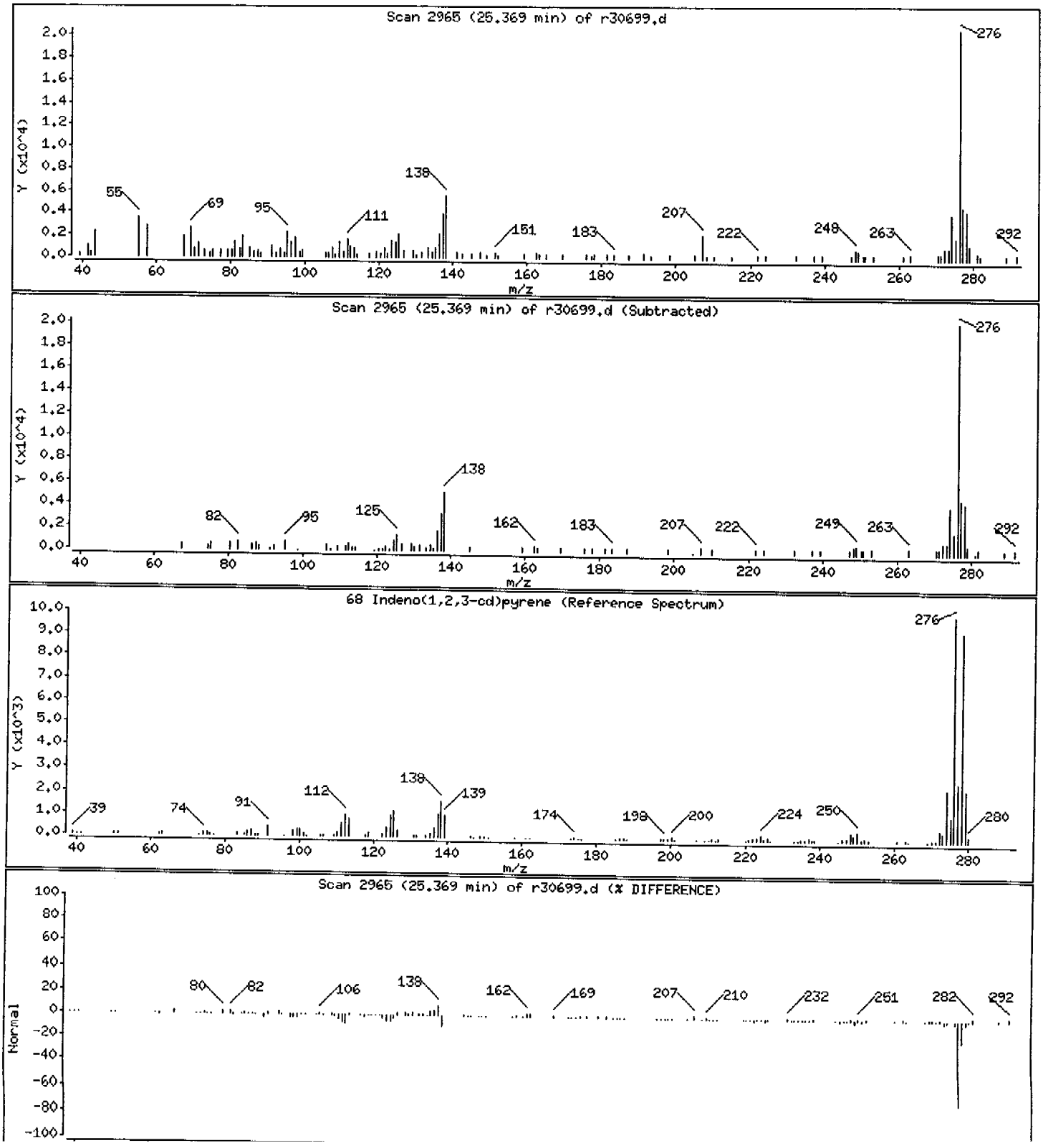
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene Concentration: 400 ug/Kg



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Date : 06-OCT-2006 17:50

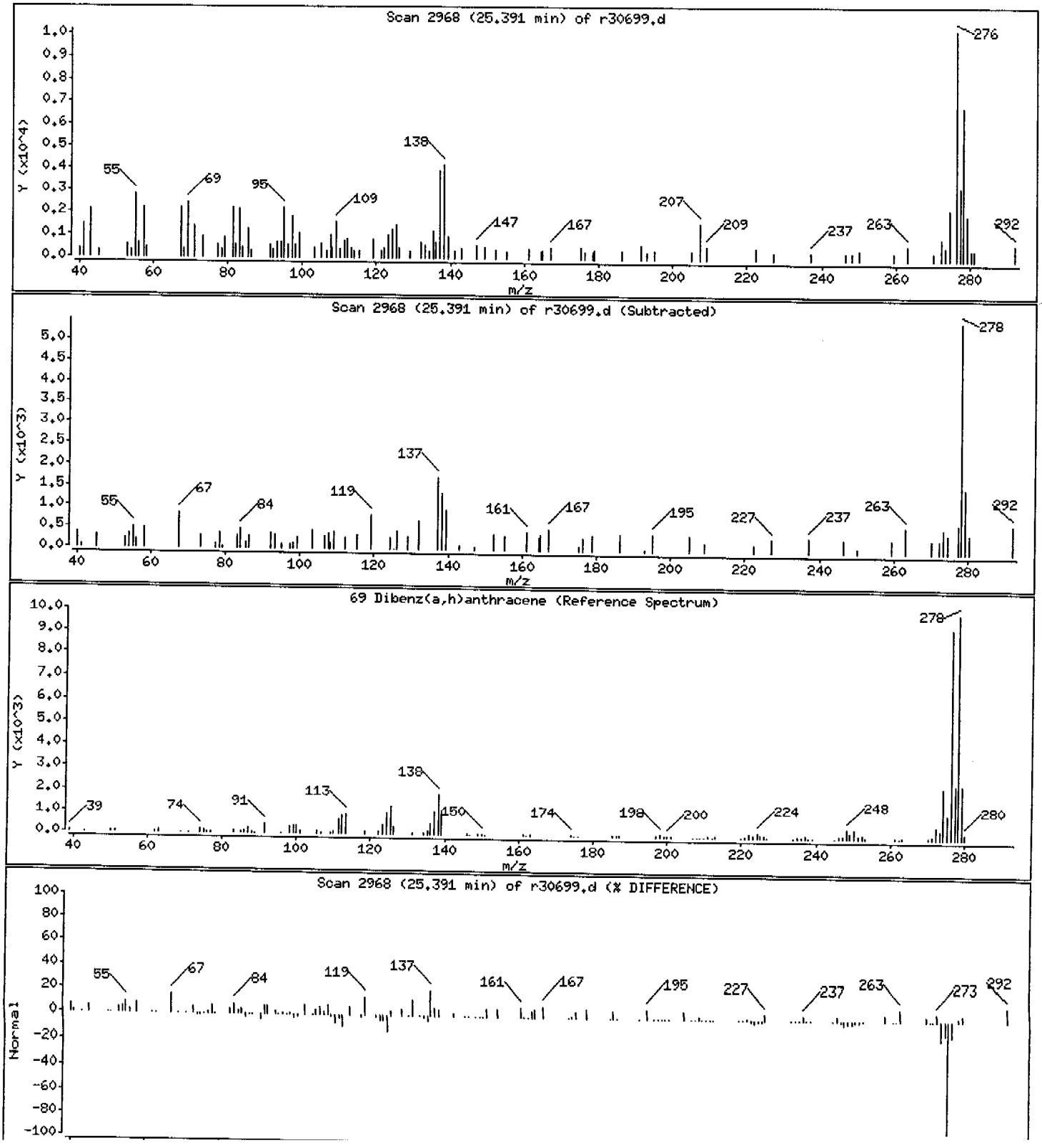
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

69 Dibenz(a,h)anthracene Concentration: 170 ug/Kg



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Date : 06-OCT-2006 17:50

Client ID: B202-SS02

Instrument: BNAMS1.i

Sample Info: 775270;3280901

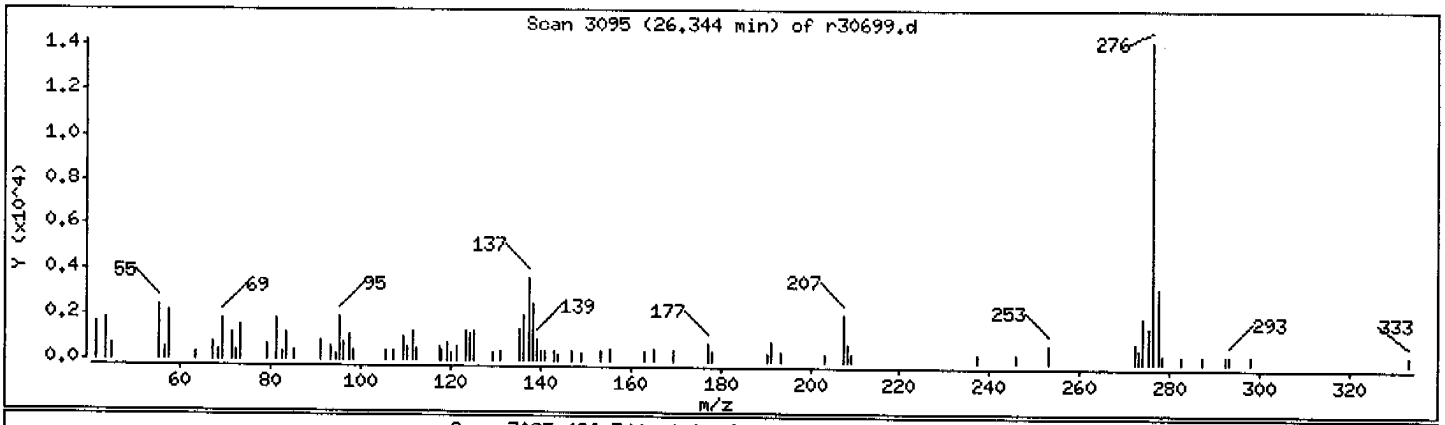
Operator: BNAMS 4

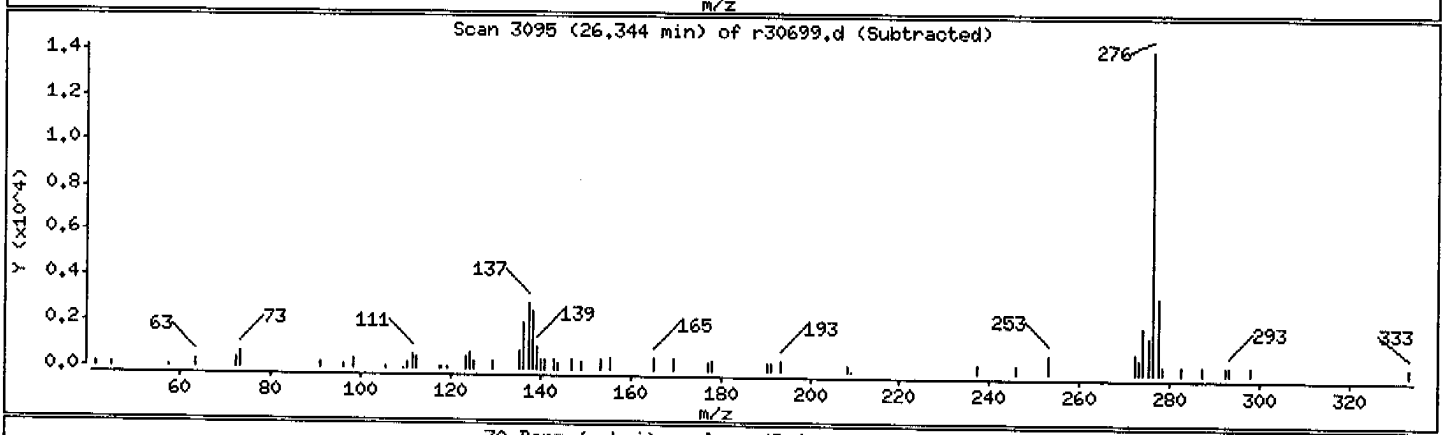
Column phase: DB-5

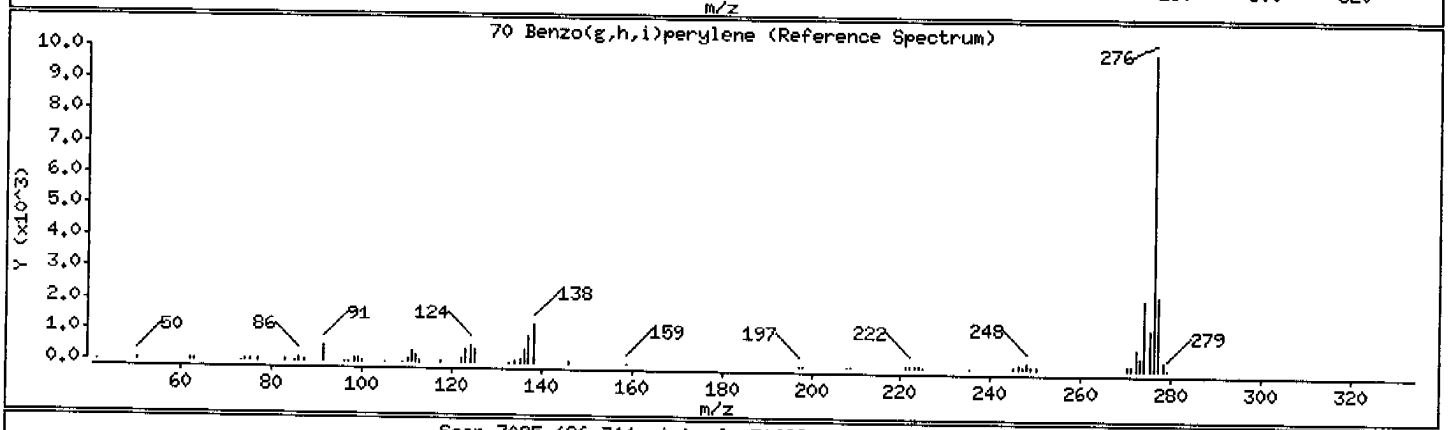
Column diameter: 0.25

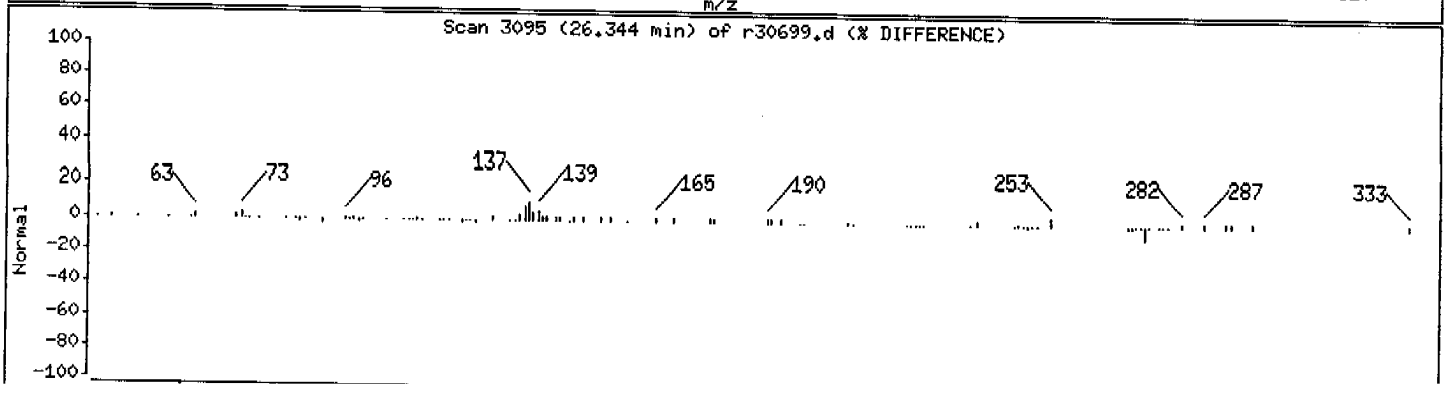
70 Benzo(g,h,i)perylene

Concentration: 330 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

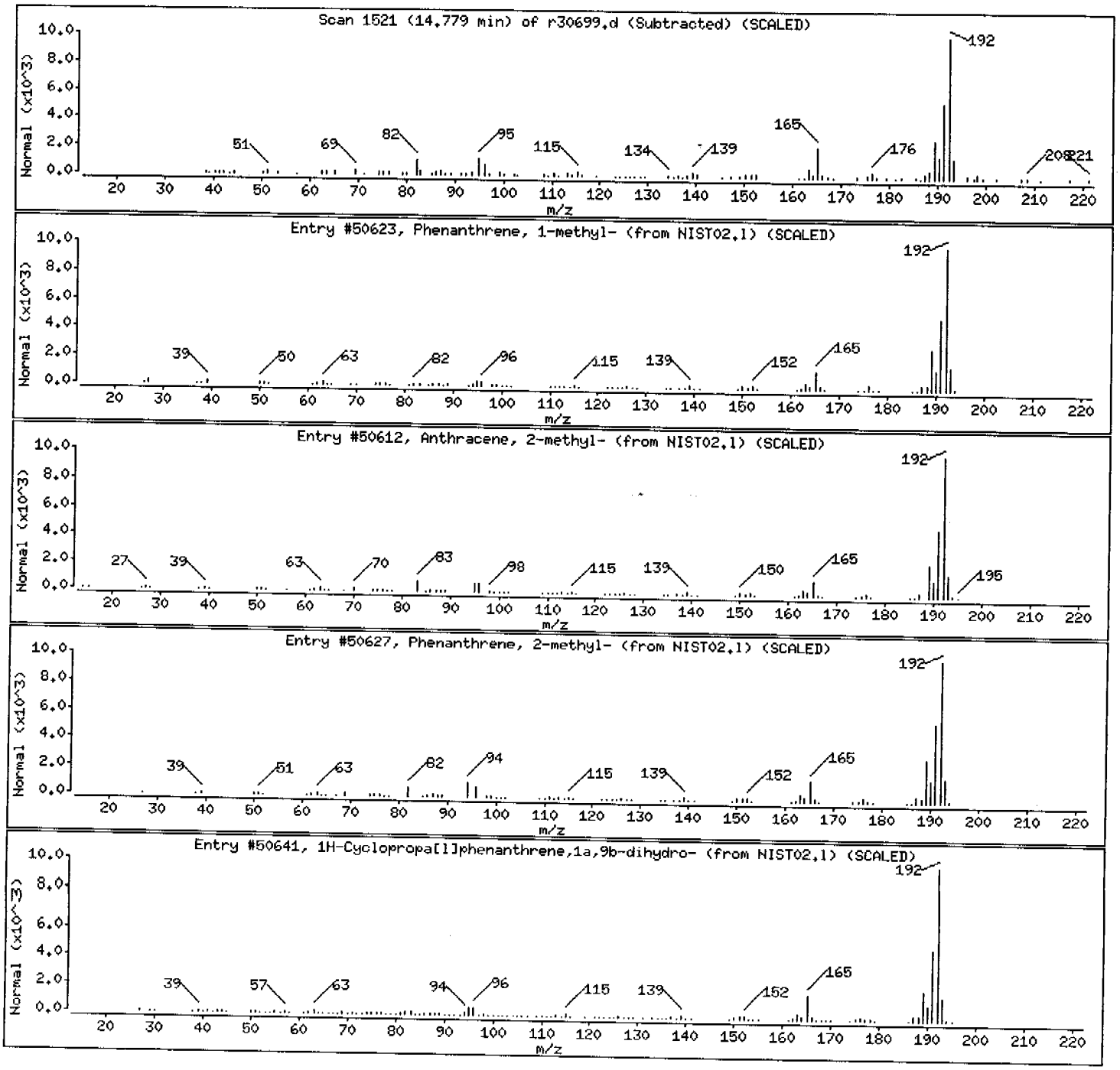
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Phenanthrene, 1-methyl-	832-69-9	NIST02.l	50623	95	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50612	95	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NIST02.l	50627	94	C15H12	192
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST02.l	50641	93	C15H12	192



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Date : 06-OCT-2006 17:50

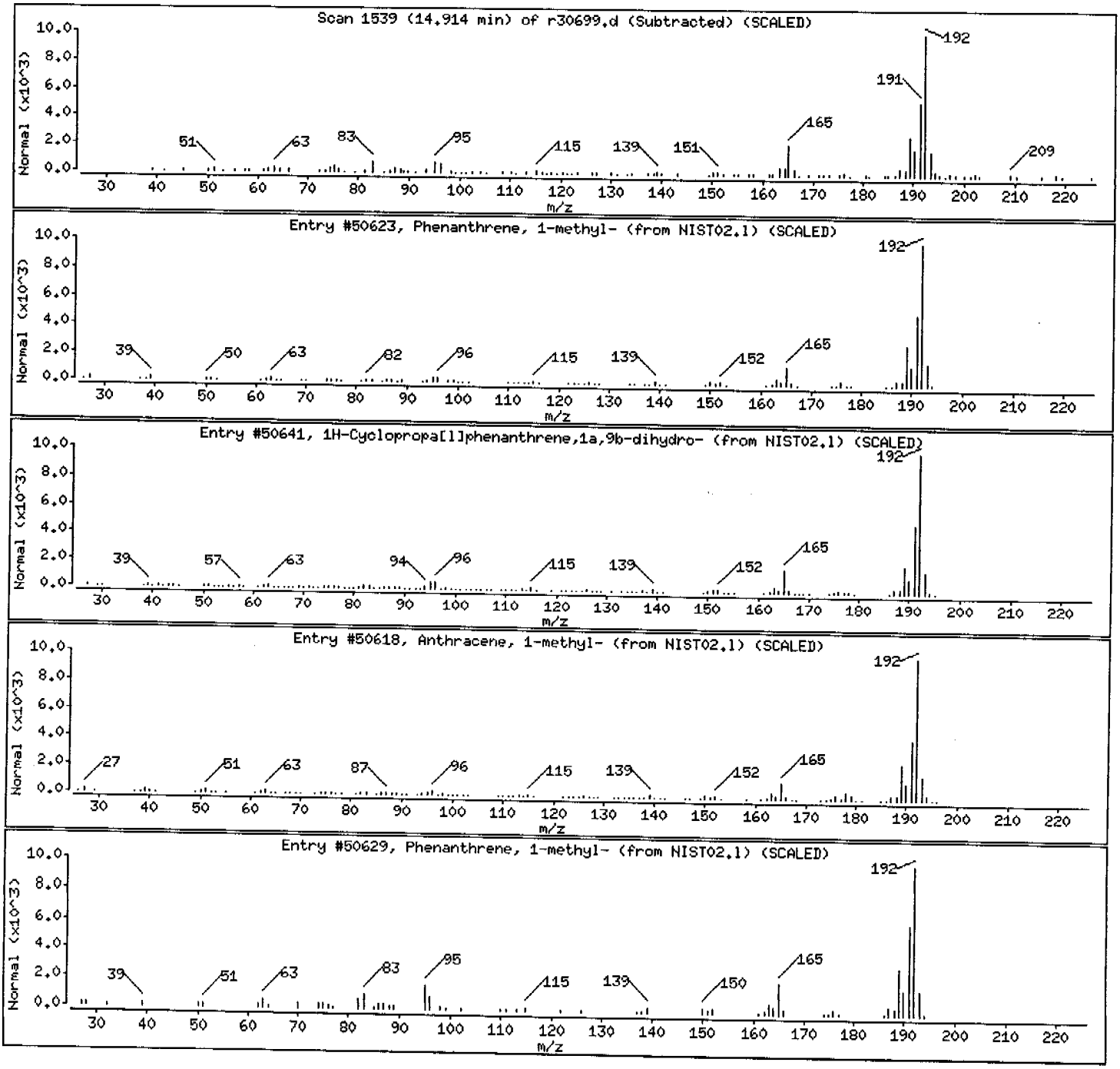
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Phenanthrene, 1-methyl-	832-69-9	NIST02.l	50623	94	C15H12	192
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST02.l	50641	91	C15H12	192
Anthracene, 1-methyl-	610-48-0	NIST02.l	50618	91	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NIST02.l	50629	90	C15H12	192



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Date : 06-OCT-2006 17:50

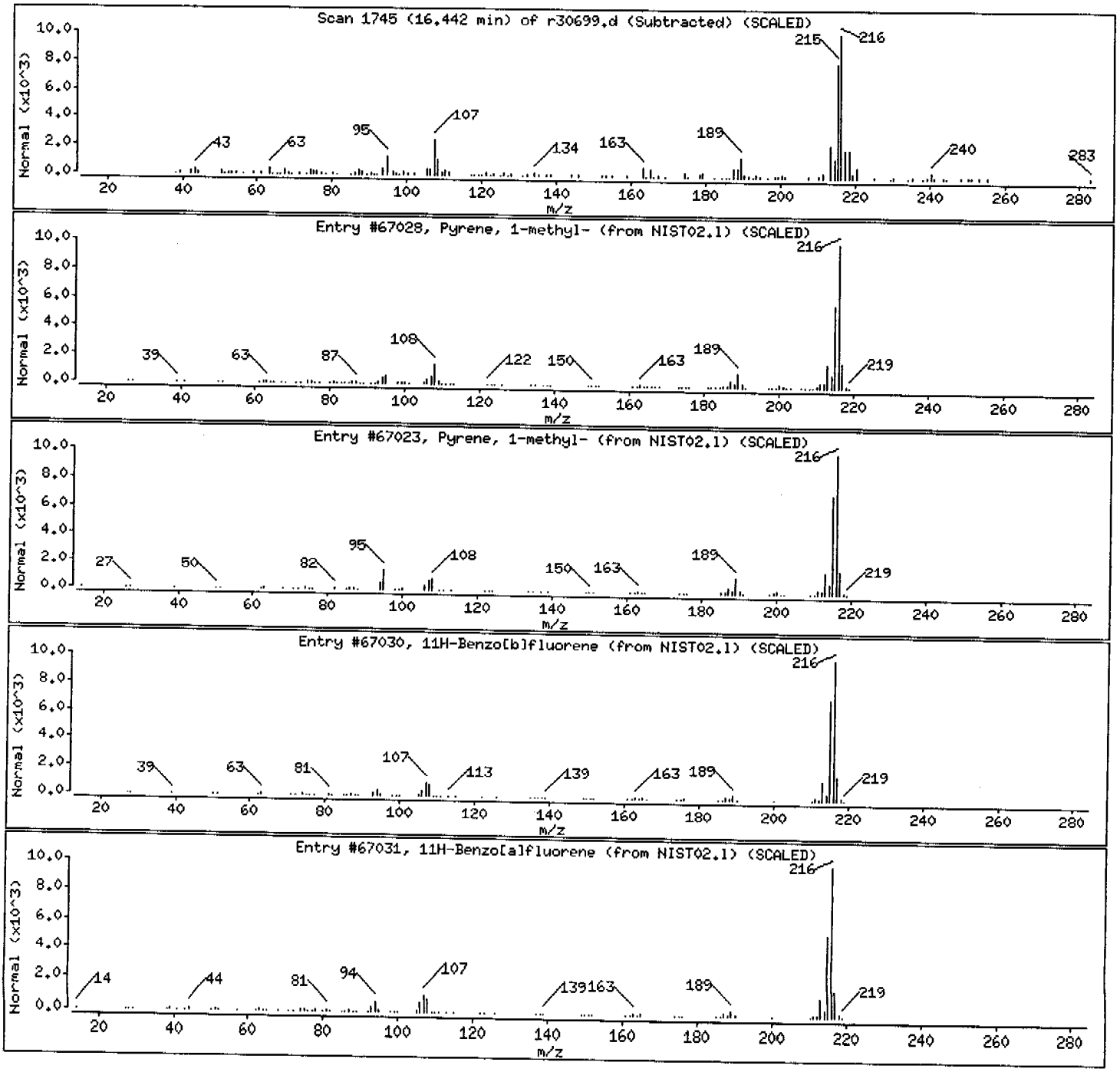
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67028	91	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	90	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST02.l	67030	87	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67031	83	C17H12	216



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Date : 06-OCT-2006 17:50

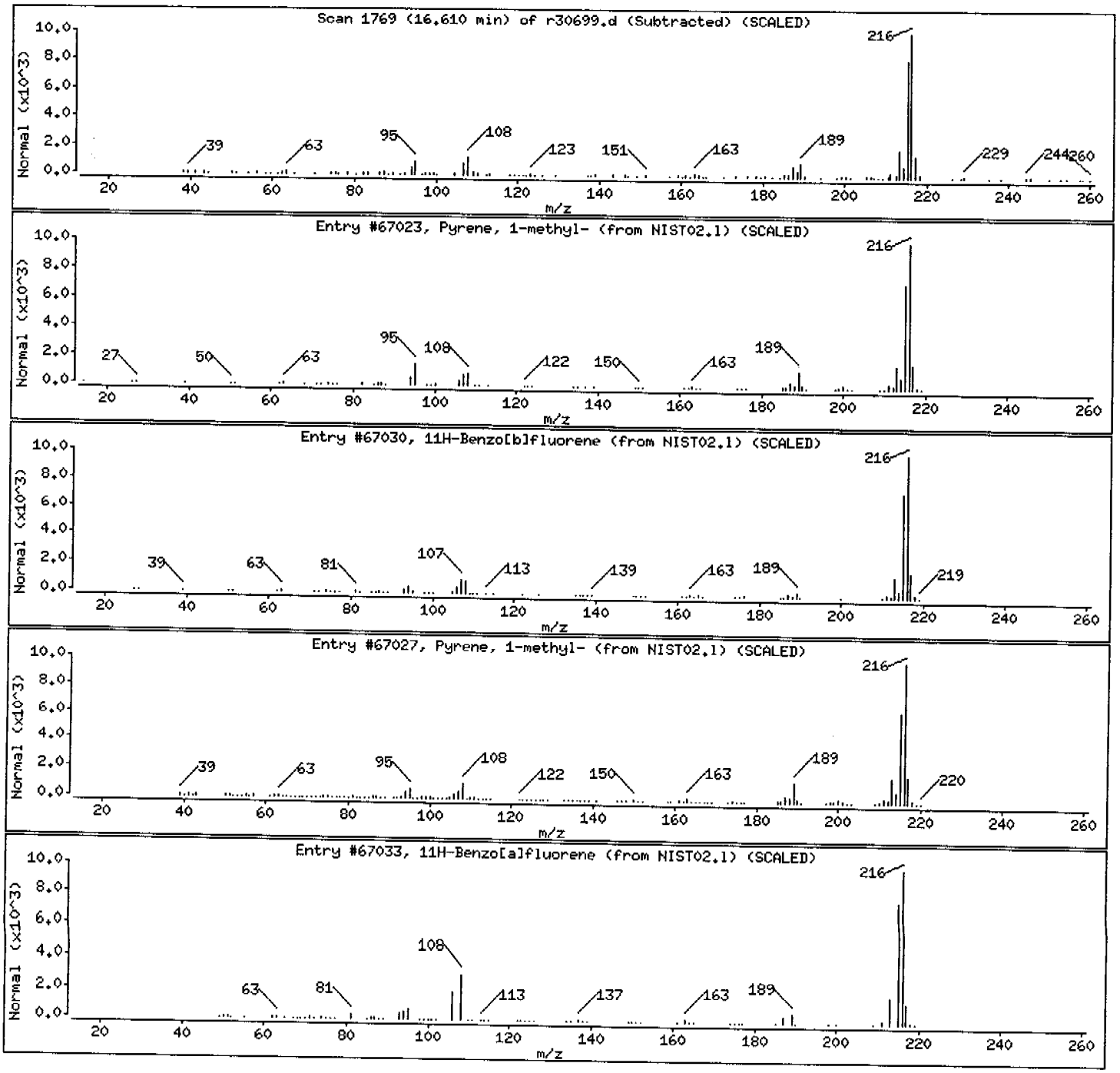
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	95	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST02.l	67030	94	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67027	93	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67033	93	C17H12	216



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Date : 06-OCT-2006 17:50

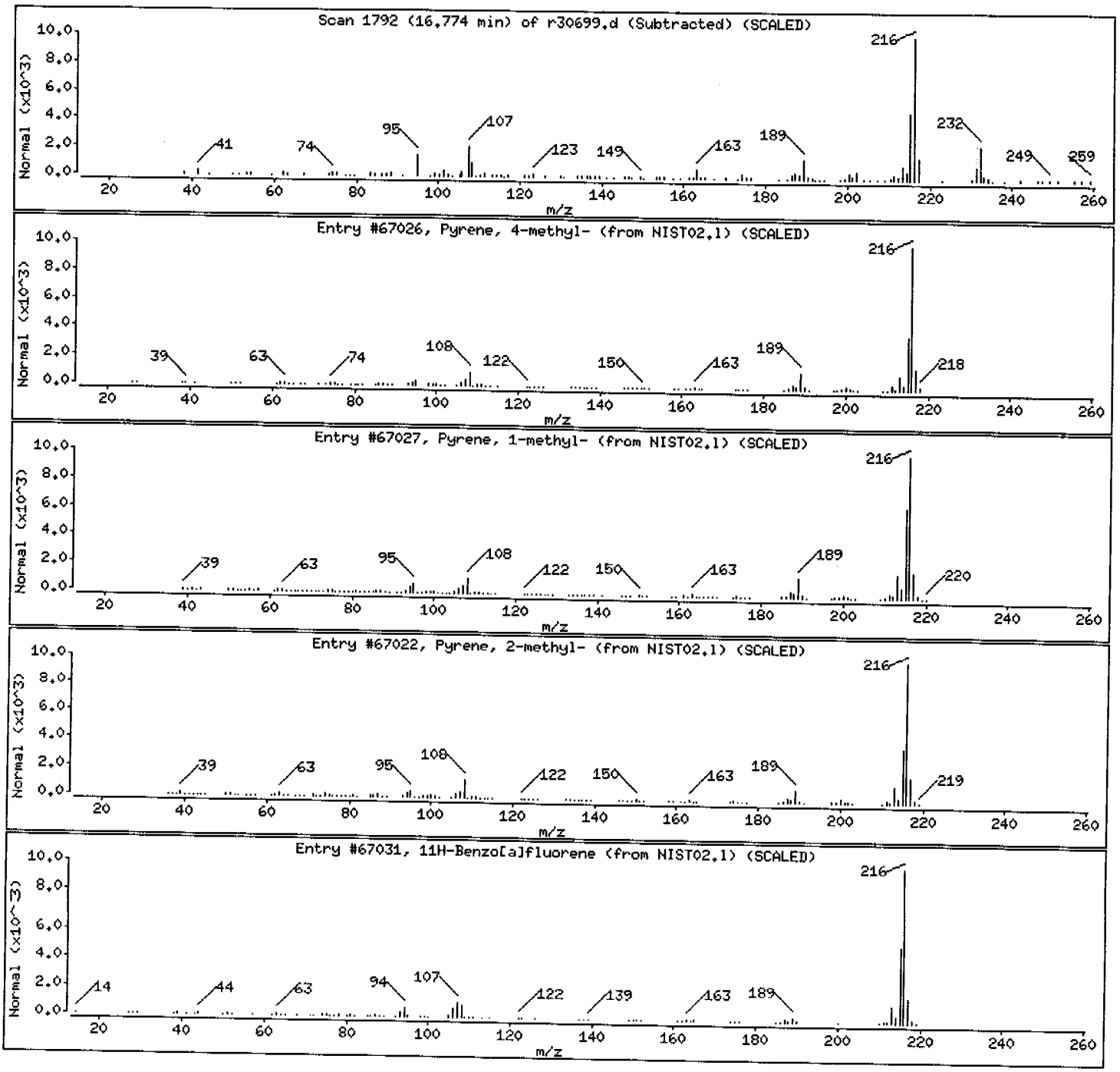
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 4-methyl-	3353-12-6	NIST02.l	67026	96	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67027	95	C17H12	216
Pyrene, 2-methyl-	3442-78-2	NIST02.l	67022	91	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67031	81	C17H12	216



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Date : 06-OCT-2006 17:50

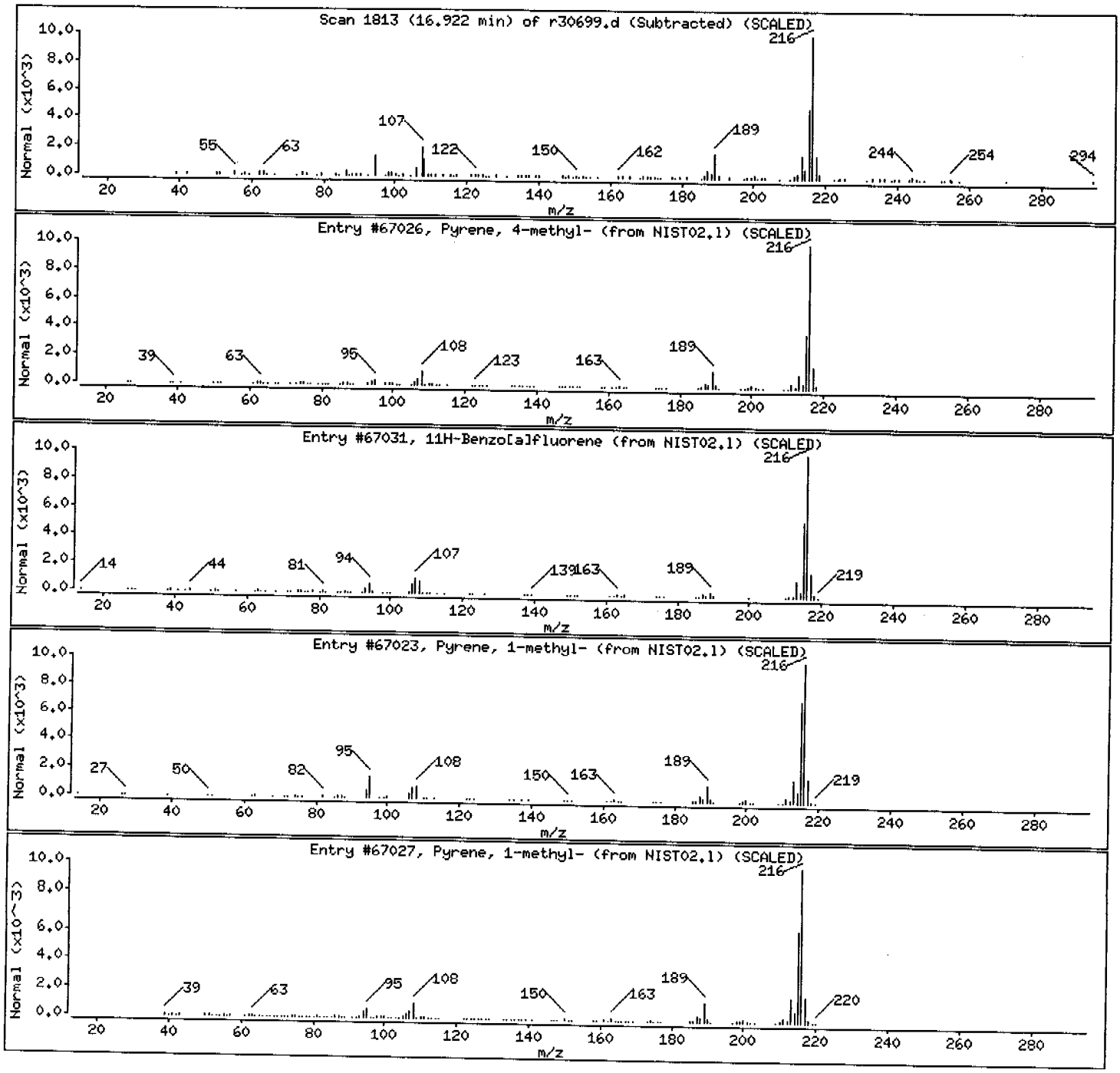
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 4-methyl-	3353-12-6	NIST02.l	67026	95	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67031	93	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	86	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67027	83	C17H12	216



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Date : 06-OCT-2006 17:50

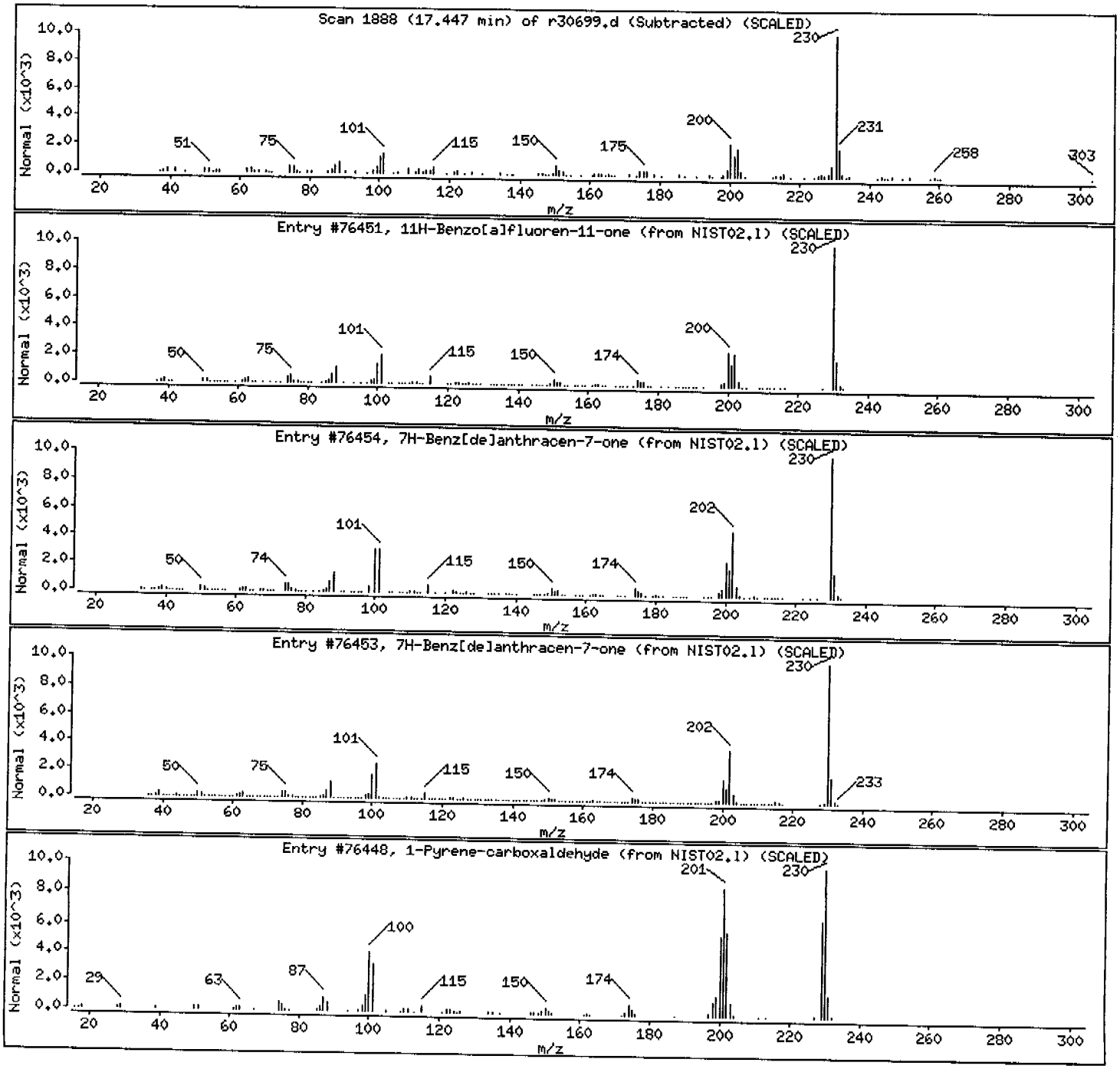
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H10O Ketone						
11H-Benzo[a]fluoren-11-one	479-79-8	NIST02.l	76451	96	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NIST02.l	76454	90	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NIST02.l	76453	87	C17H10O	230
1-Pyrene-carboxaldehyde	3029-19-4	NIST02.l	76448	80	C17H10O	230



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Date : 06-OCT-2006 17:50

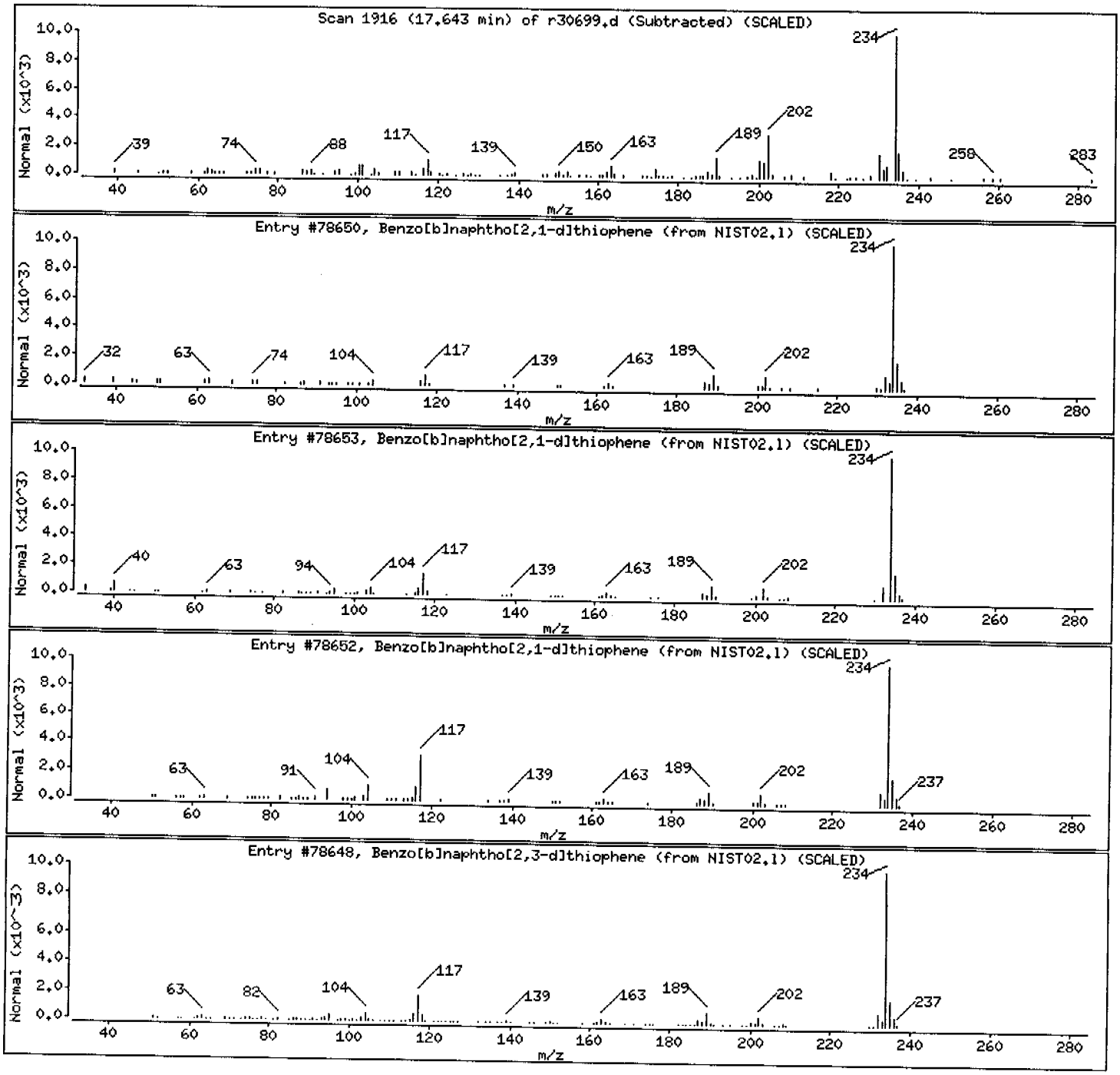
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzo(b)naphthothiophene isomer						
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST02.l	78650	93	C16H10S	234
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST02.l	78653	92	C16H10S	234
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST02.l	78652	68	C16H10S	234
Benzo[b]naphtho[2,3-d]thiophene	243-46-9	NIST02.l	78648	64	C16H10S	234



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

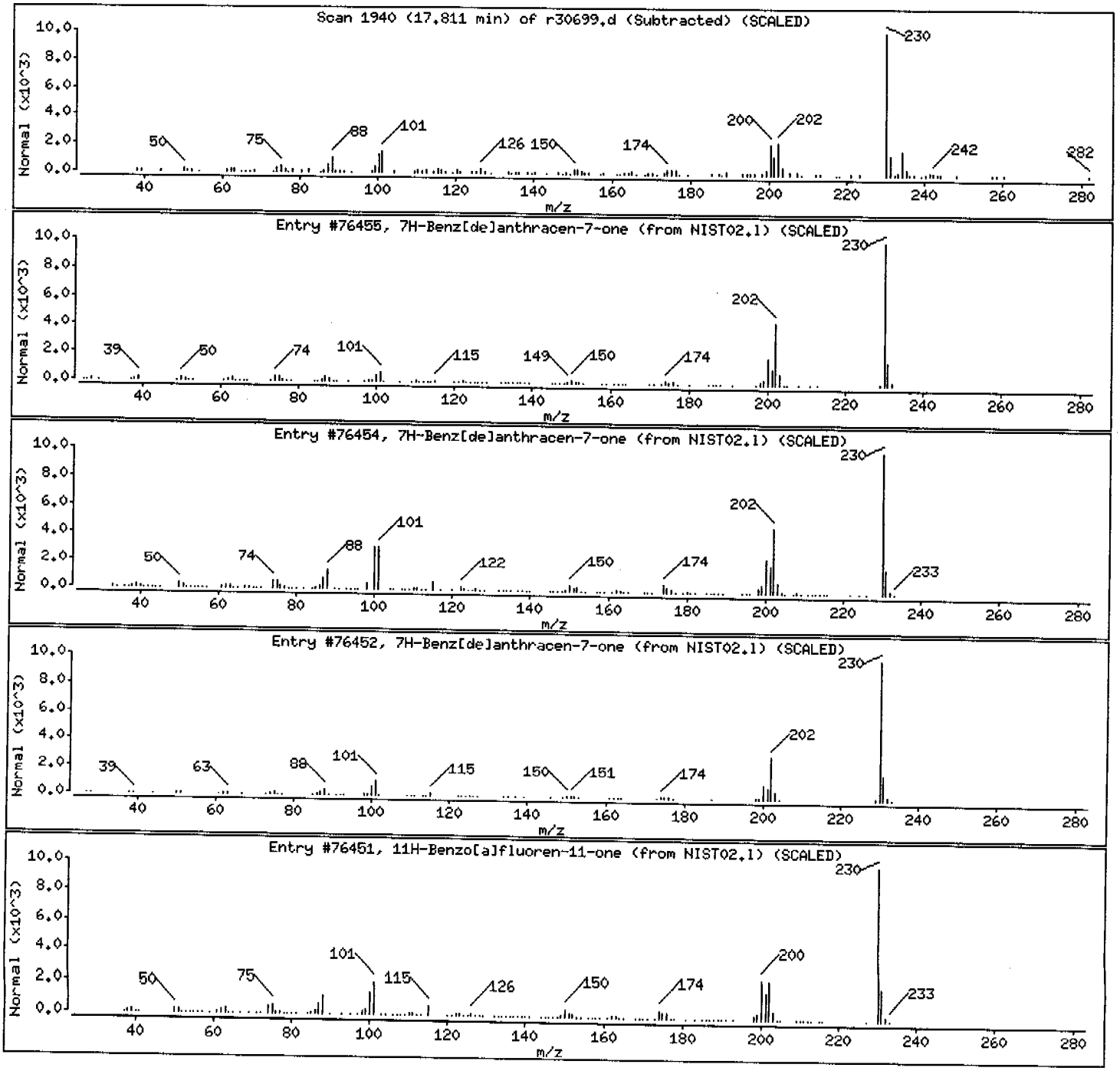
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H10O Ketone						
7H-Benz[de]anthracen-7-one	82-05-3	NIST02.l	76455	90	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NIST02.l	76454	87	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NIST02.l	76452	74	C17H10O	230
11H-Benzo[a]fluoren-11-one	479-79-8	NIST02.l	76451	70	C17H10O	230



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

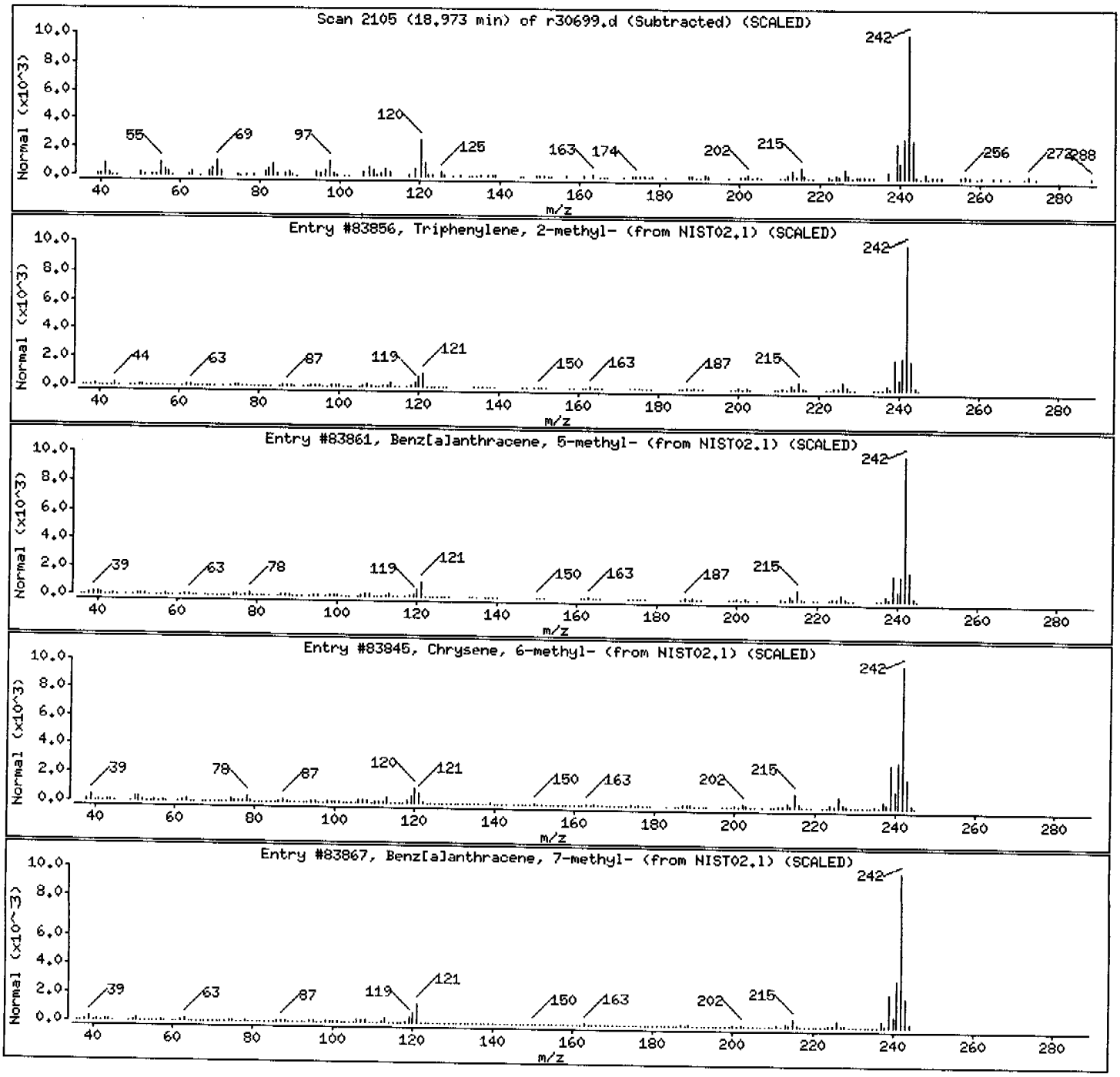
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C19H14 PAH						
Triphenylene, 2-methyl-	1705-84-6	NIST02.1	83856	93	C19H14	242
Benz[a]anthracene, 5-methyl-	2319-96-2	NIST02.1	83861	86	C19H14	242
Chrysene, 6-methyl-	3697-24-3	NIST02.1	83845	83	C19H14	242
Benz[a]anthracene, 7-methyl-	2541-69-7	NIST02.1	83867	78	C19H14	242



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

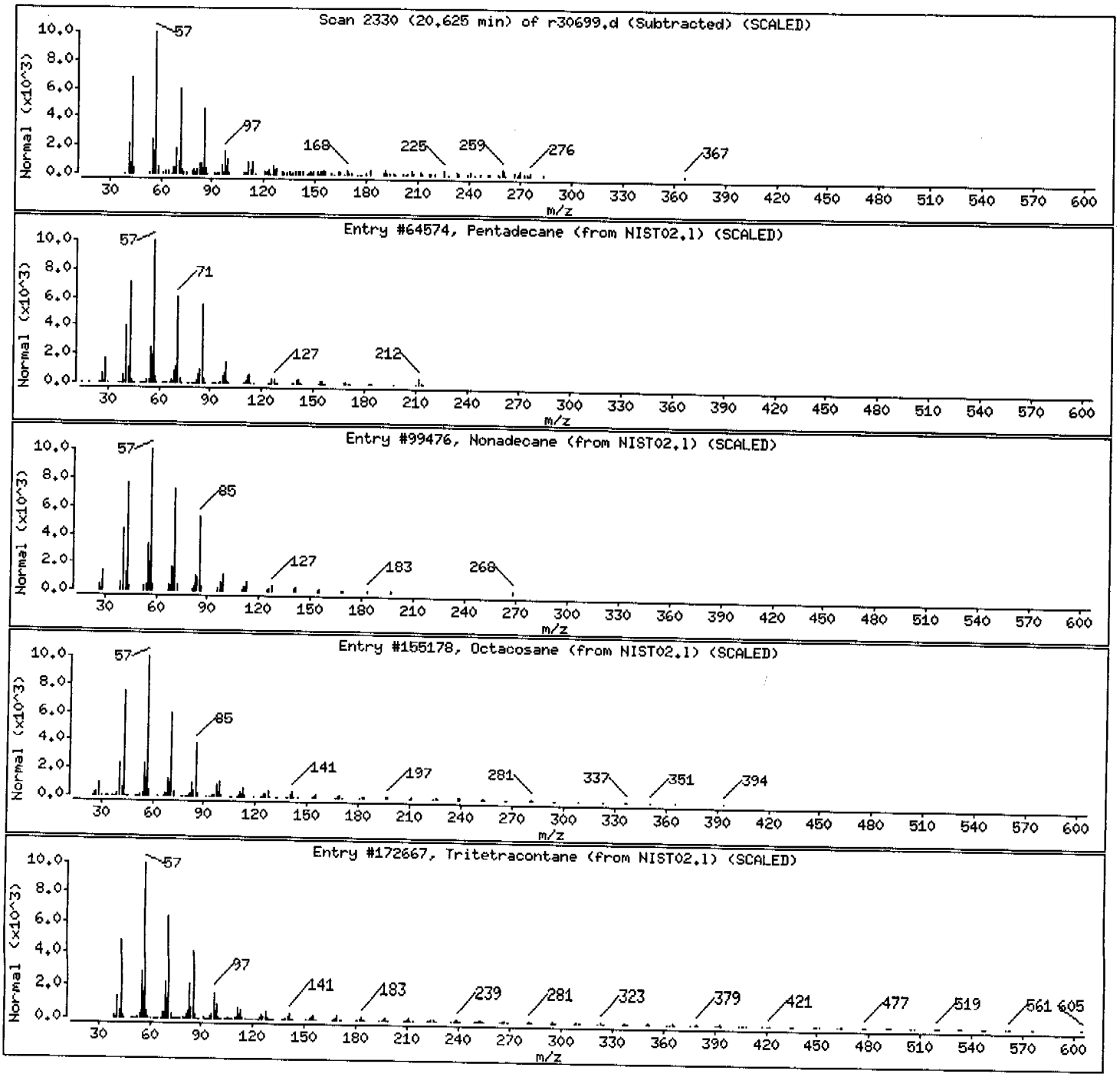
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST02.1	64574	91	C15H32	212
Nonadecane	629-92-5	NIST02.1	99476	91	C19H40	268
Octacosane	630-02-4	NIST02.1	155178	86	C28H58	394
Tritetracontane	7098-21-7	NIST02.1	172667	86	C43H88	605



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

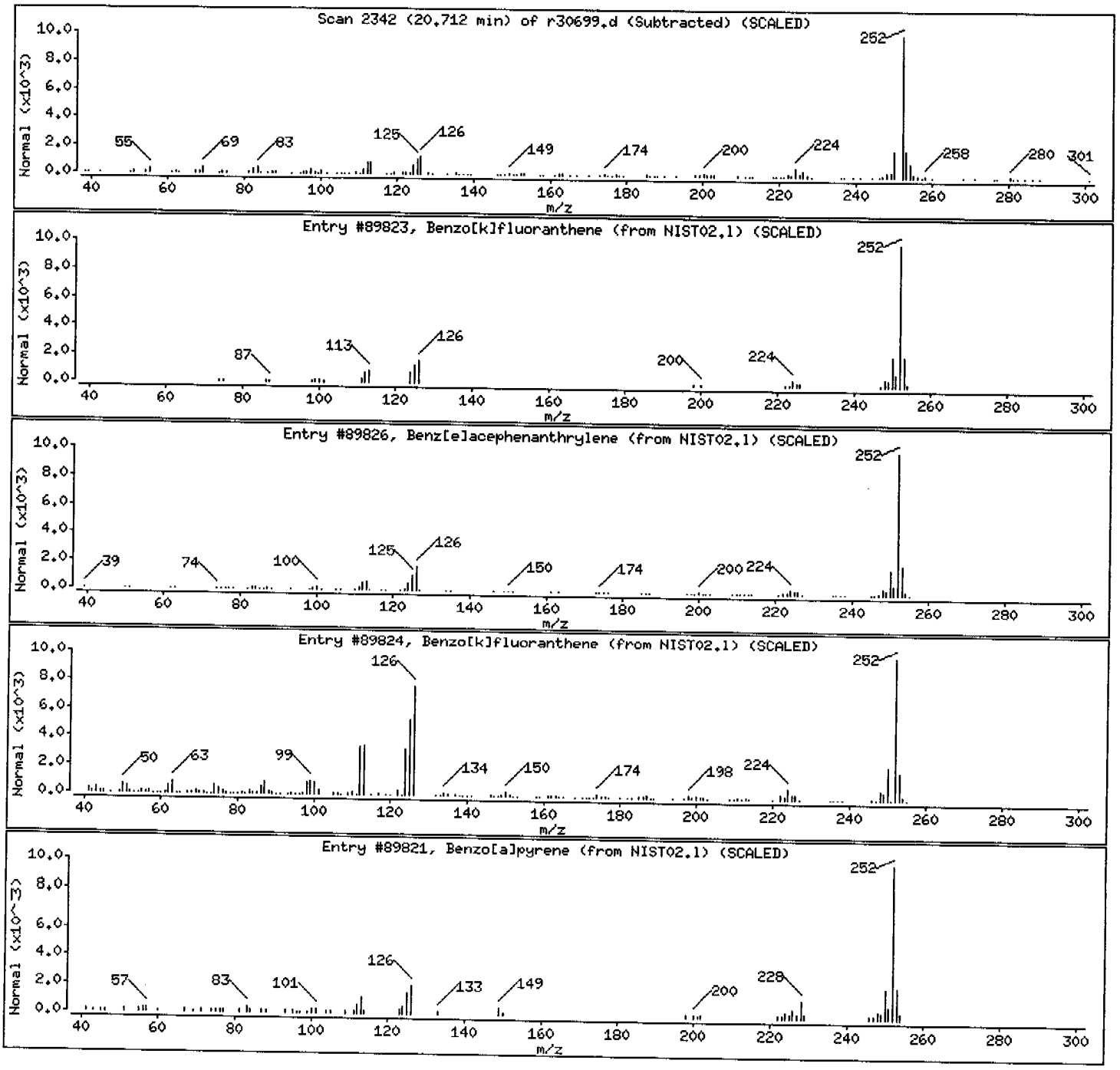
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[k]fluoranthene	207-08-9	NIST02.l	89823	96	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89826	94	C20H12	252
Benzo[k]fluoranthene	207-08-9	NIST02.l	89824	89	C20H12	252
Benzo[a]pyrene	50-32-8	NIST02.l	89821	81	C20H12	252



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

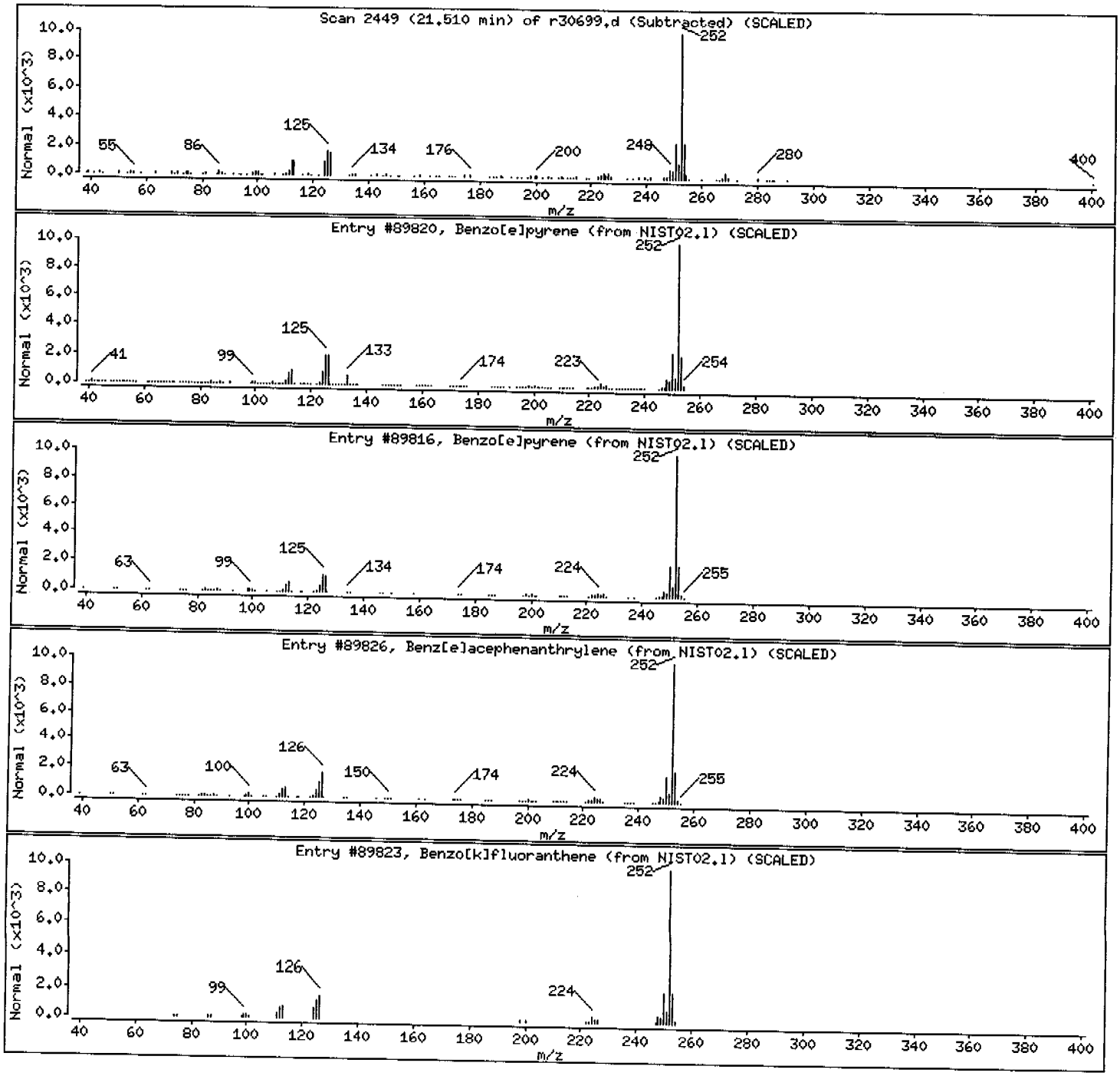
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[e]pyrene	192-97-2	NIST02.l	89820	98	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	98	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89826	98	C20H12	252
Benzo[k]fluoranthene	207-08-9	NIST02.l	89823	98	C20H12	252



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30699.d

Date : 06-OCT-2006 17:50

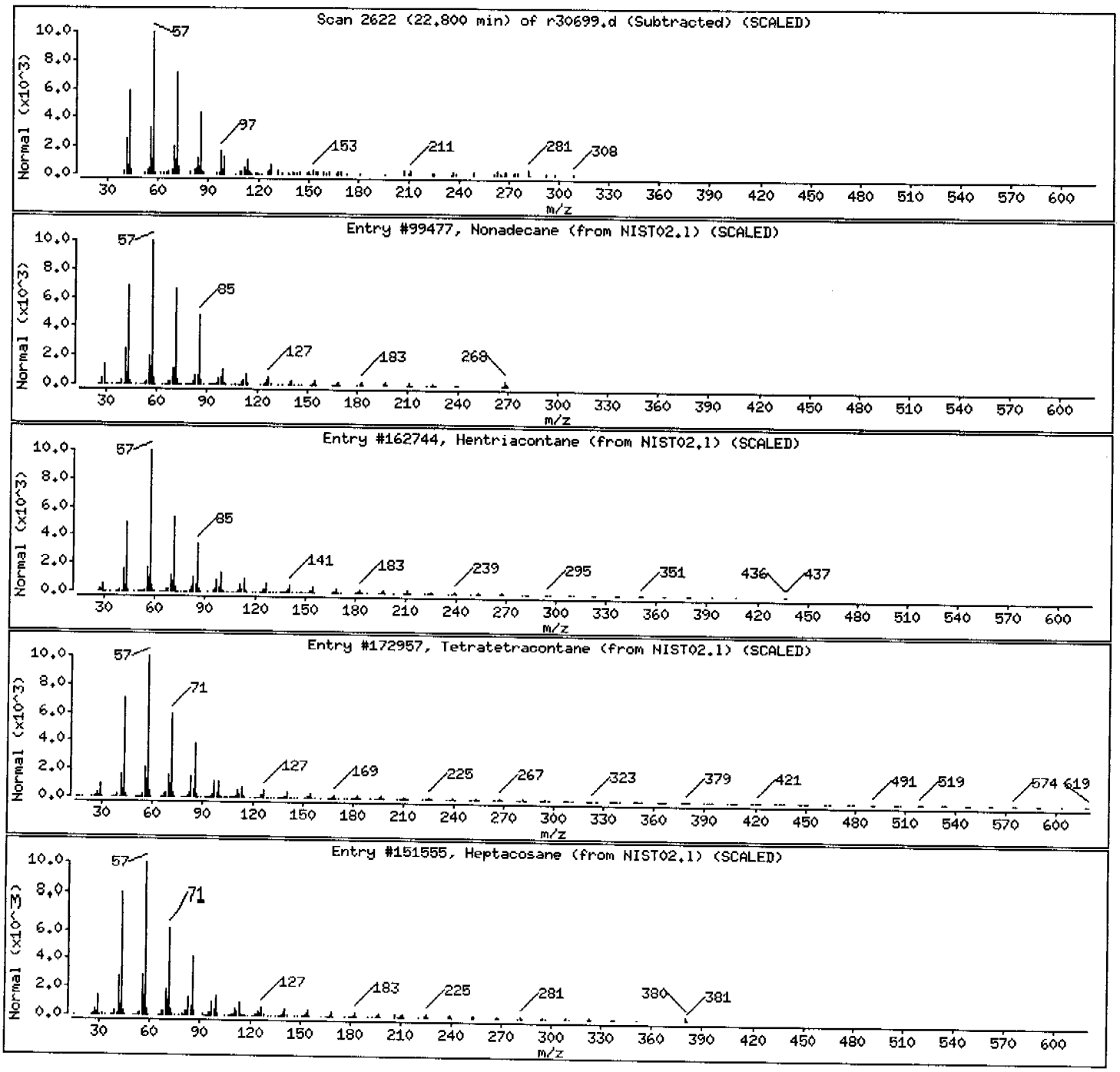
Client ID: B202-SS02 Instrument: BNAMS1.i

Sample Info: 775270;3280901

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST02.l	99477	87	C19H40	268
Hentriacontane	630-04-6	NIST02.l	162744	86	C31H64	437
Tetratetracontane	7098-22-8	NIST02.l	172957	86	C44H90	619
Heptacosane	593-49-7	NIST02.l	151555	83	C27H56	380



Client ID: **B202-SS03**
Site: Sun Chemical SI

Lab Sample No: **775271**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30884.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **B202-SS03**
Site: Sun Chemical SI

Lab Sample No: **775271**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30884.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	89 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B202-SS03**
Site: Sun Chemical SI

Lab Sample No: **775271**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30884.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30884.d
Report Date: 20-Oct-2006 14:48

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30884.d
Lab Smp Id: 775271 Client Smp ID: B202-SS03
Inj Date : 20-OCT-2006 10:26
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775271;3280903
Misc Info : X924;SB291;QA4704
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/20oct06.b/8270C6-1.m
Meth Date : 20-Oct-2006 14:45 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.20000	% Moisture

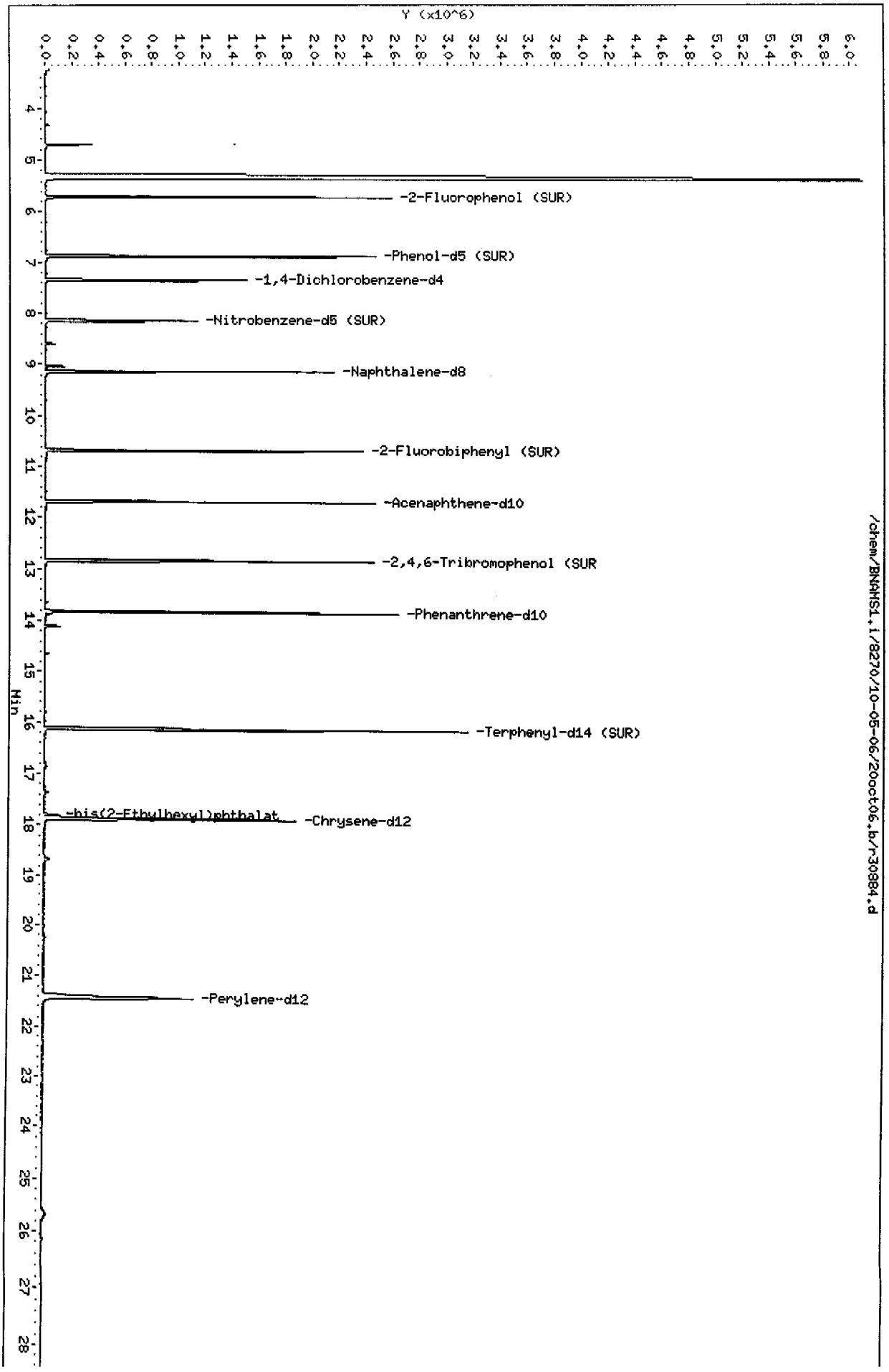
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.705	5.691	(0.777)	1032953	81.3204	6200
$ 17 Phenol-d5 (SUR)	99	6.878	6.875	(0.936)	1281456	81.1560	6200
* 79 1,4-Dichlorobenzene-d4	152	7.346	7.345	(1.000)	339164	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.138	8.149	(0.891)	488080	35.5910	2700
* 80 Naphthalene-d8	136	9.129	9.132	(1.000)	1337906	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.677	10.685	(0.914)	992446	35.8450	2800
* 82 Acenaphthene-d10	164	11.682	11.687	(1.000)	929359	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.843	12.849	(1.099)	374857	73.3470	5600
* 83 Phenanthrene-d10	188	13.822	13.826	(1.000)	1511270	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	16.125	16.123	(0.902)	1424734	44.7020	3400
63 bis(2-Ethylhexyl)phthalate	149	17.803	17.813	(0.996)	43980	1.15551	89(aH)
* 81 Chrysene-d12	240	17.879	17.889	(1.000)	1450516	40.0000	
* 84 Perylene-d12	264	21.433	21.442	(1.000)	1288967	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30884.d
Report Date: 20-Oct-2006 14:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30884.d
Date : 20-OCT-2006 10:26
Client ID: B202-SS03
Sample Info: 775271;3280903
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
Column phase: DB-5
/chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30884.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-bis(2-Ethylhexyl)phthalat
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30884.d

Date : 20-OCT-2006 10:26

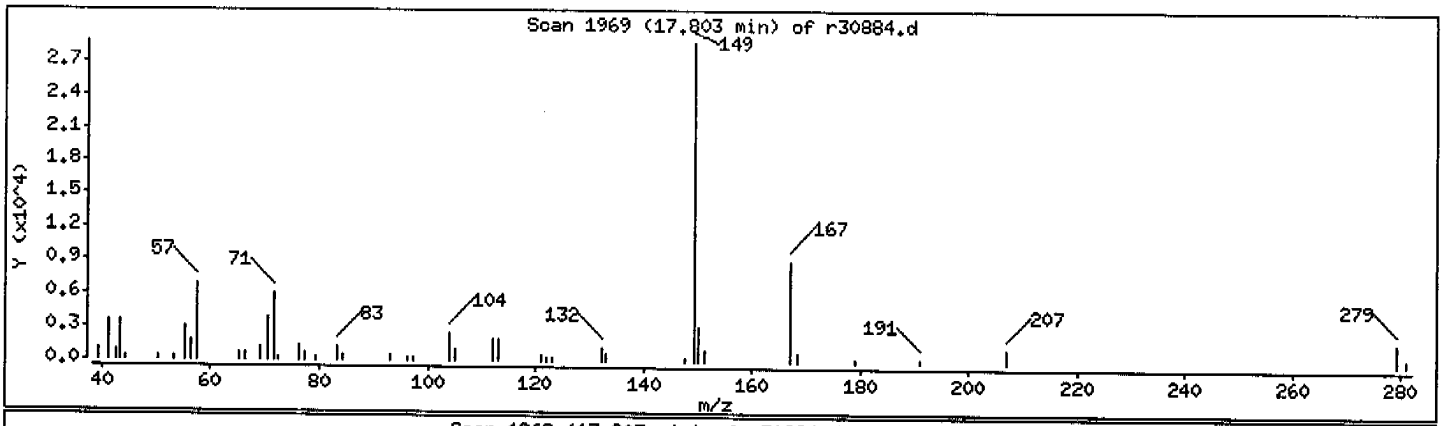
Client ID: B202-SS03 Instrument: BNAMS1.i

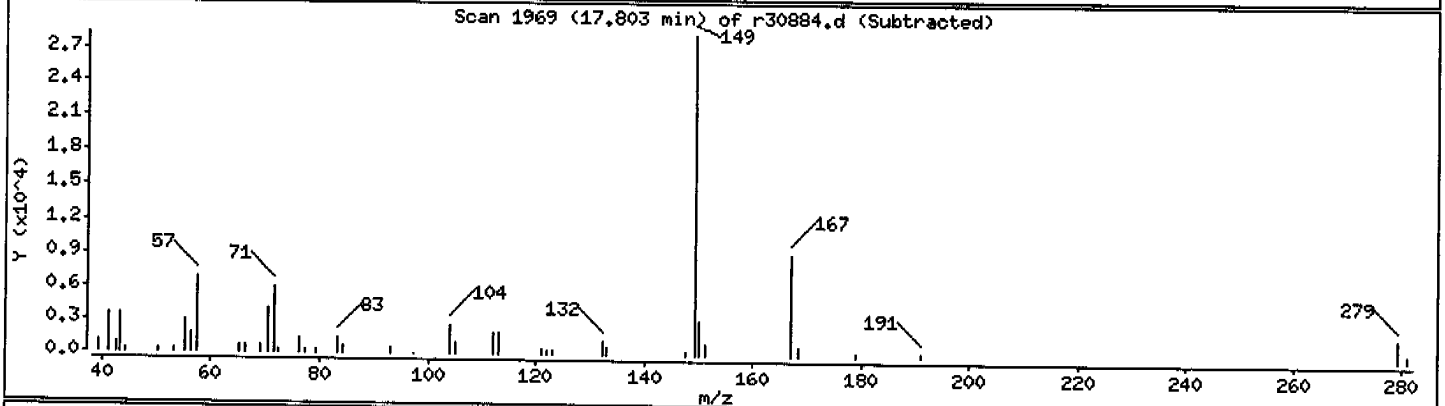
Sample Info: 775271;3280903

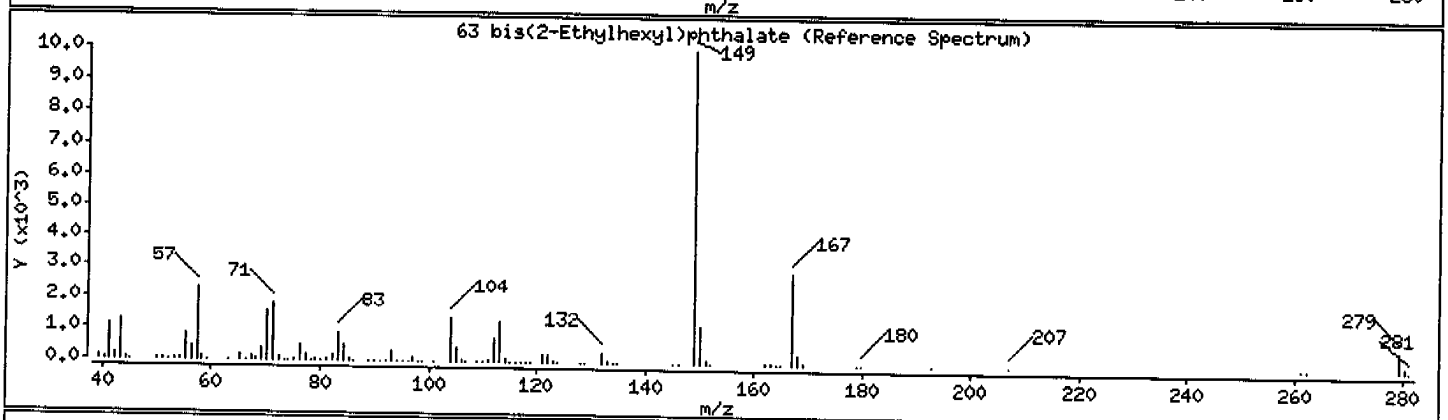
Operator: BNAMS 4

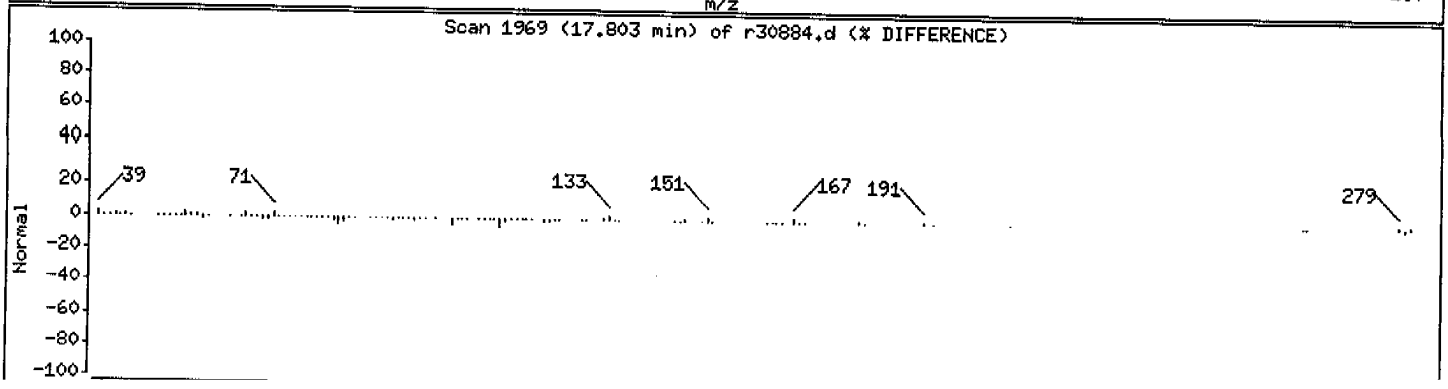
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 89 ug/Kg









Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30728.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5000.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	180000
1,3-Dichlorobenzene	ND	1800000
1,4-Dichlorobenzene	ND	1800000
1,2-Dichlorobenzene	ND	1800000
bis(2-chloroisopropyl)ether	ND	1800000
N-Nitroso-di-n-propylamine	ND	180000
Hexachloroethane	ND	180000
Nitrobenzene	ND	180000
Isophorone	ND	1800000
bis(2-Chloroethoxy)methane	ND	1800000
1,2,4-Trichlorobenzene	ND	180000
Naphthalene	ND	1800000
4-Chloroaniline	ND	1800000
Hexachlorobutadiene	ND	360000
2-Methylnaphthalene	ND	1800000
Hexachlorocyclopentadiene	ND	1800000
2-Chloronaphthalene	ND	1800000
2-Nitroaniline	ND	3600000
Dimethylphthalate	ND	1800000
Acenaphthylene	ND	1800000
2,6-Dinitrotoluene	ND	360000
3-Nitroaniline	ND	3600000
Acenaphthene	ND	1800000
Dibenzofuran	ND	1800000
2,4-Dinitrotoluene	ND	360000
Diethylphthalate	ND	1800000
4-Chlorophenyl-phenylether	ND	1800000
Fluorene	ND	1800000
4-Nitroaniline	ND	3600000
N-Nitrosodiphenylamine	ND	1800000
4-Bromophenyl-phenylether	ND	1800000
Hexachlorobenzene	ND	180000
Phenanthrene	ND	1800000
Anthracene	ND	1800000

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30728.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5000.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	1800000
Di-n-butylphthalate	ND	1800000
Fluoranthene	ND	1800000
Pyrene	ND	1800000
Butylbenzylphthalate	ND	1800000
3,3'-Dichlorobenzidine	ND	3600000
Benzo(a)anthracene	ND	180000
Chrysene	ND	1800000
bis(2-Ethylhexyl)phthalate	20000000	1800000
Di-n-octylphthalate	ND	1800000
Benzo(b)fluoranthene	ND	180000
Benzo(k)fluoranthene	ND	180000
Benzo(a)pyrene	ND	180000
Indeno(1,2,3-cd)pyrene	ND	180000
Dibenz(a,h)anthracene	ND	180000
Benzo(g,h,i)perylene	ND	1800000

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample No: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30728.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5000.0
% Moisture: 8.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30728.d
Report Date: 10-Oct-2006 12:06

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30728.d
Lab Smp Id: 775272 Client Smp ID: B1407-SS01
Inj Date : 09-OCT-2006 13:42
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775272;3280906
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/8270C6-1.m
Meth Date : 10-Oct-2006 10:02 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 6
Dil Factor: 5000.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1

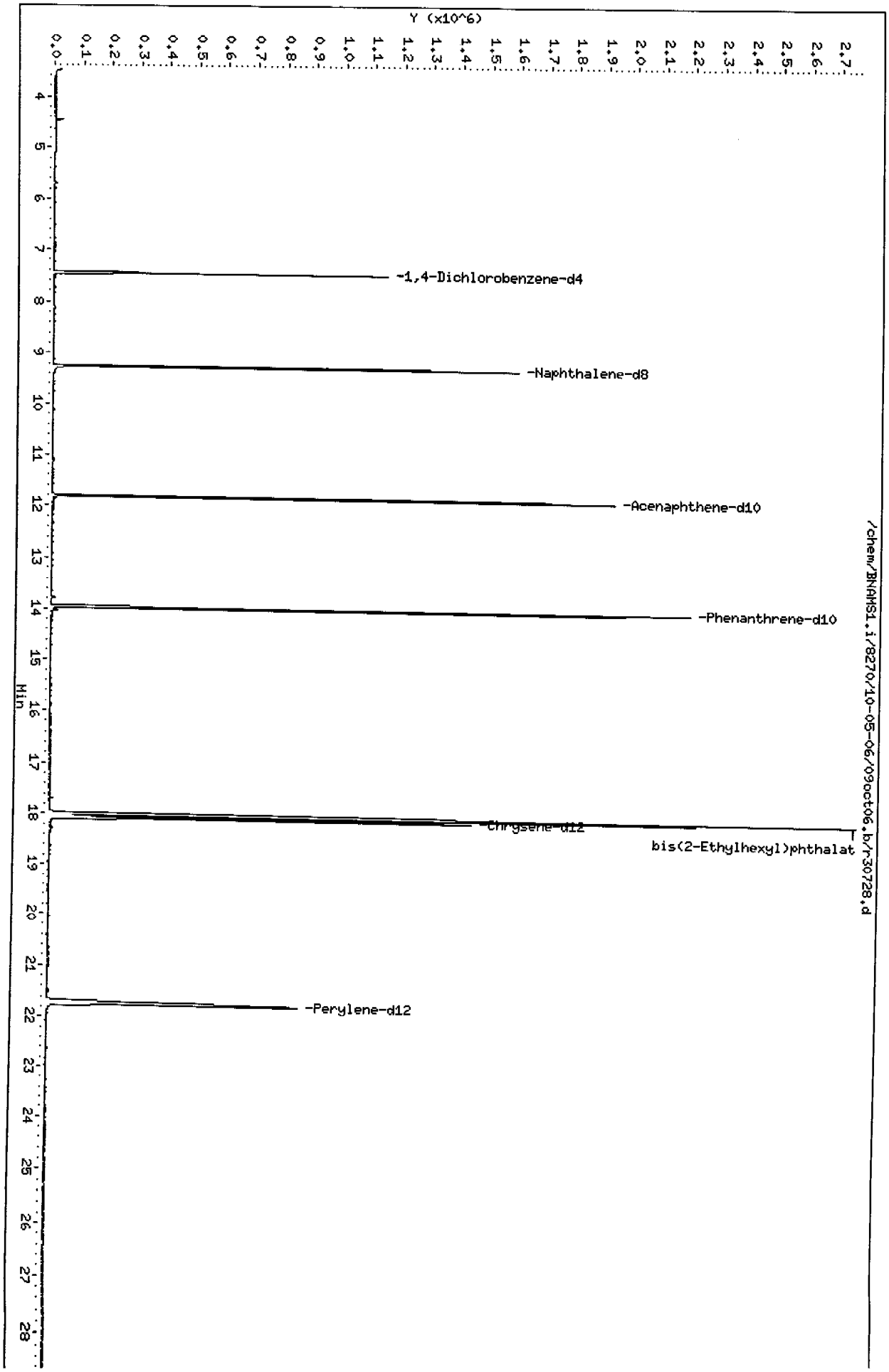
Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	5000.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	8.10000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	7.462	7.468	(1.000)	244084	40.0000	
* 80 Naphthalene-d8	136	9.256	9.259	(1.000)	975742	40.0000	
* 82 Acenaphthene-d10	164	11.819	11.817	(1.000)	669662	40.0000	
* 83 Phenanthrene-d10	188	13.960	13.966	(1.000)	1153825	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	17.993	17.986	(0.996)	1589780	56.7849	20000000
* 81 Chrysene-d12	240	18.061	18.068	(1.000)	1066951	40.0000	
* 84 Perylene-d12	264	21.735	21.740	(1.000)	1031059	40.0000	

Surrogates diluted out


Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30728.d
Date : 09-OCT-2006 13:42
Client ID: B1407-SS01
Sample Info: 775272:3280906
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Naphthalene-d8
-Acenaphthene-d10
-Phenanthrene-d10
-Chrysene-d12
bis(2-Ethylhexyl)phthalat
-Perylene-d12
/chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30728.d

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30728.d

Date : 09-OCT-2006 13:42

Client ID: B1407-SS01

Instrument: BNAMS1.i

Sample Info: 775272;3280906

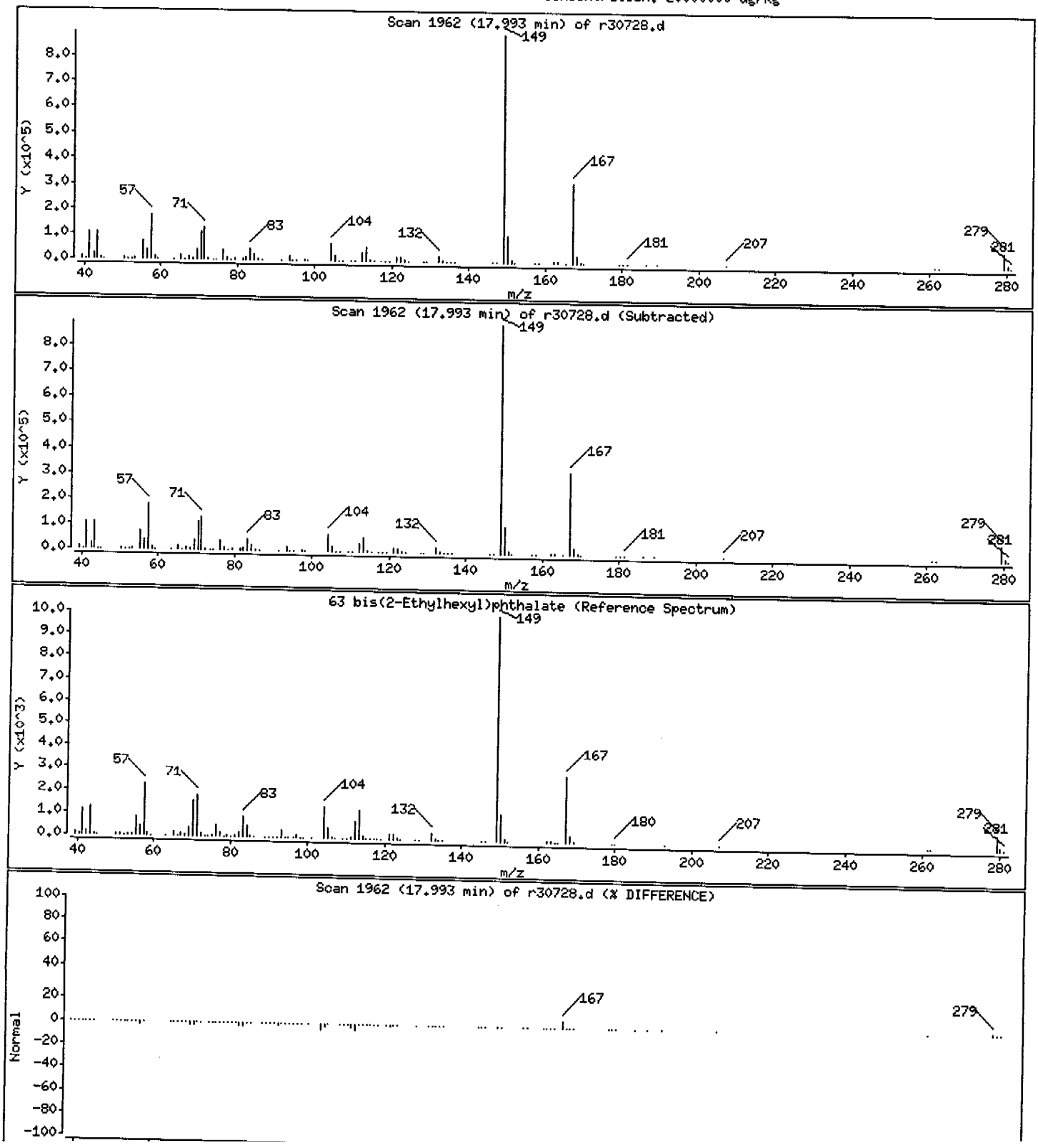
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 20000000 ug/Kg



Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30697.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	26 J	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	78
2-Methylnaphthalene	98 J	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	780
Dimethylphthalate	ND	390
Acenaphthylene	35 J	390
2,6-Dinitrotoluene	ND	78
3-Nitroaniline	ND	780
Acenaphthene	440	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	270 J	390
4-Nitroaniline	ND	780
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	4600	390
Anthracene	860	390

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30697.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	22 J	390
Di-n-butylphthalate	ND	390
Fluoranthene	2400	390
Pyrene	4800	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	2100	39
Chrysene	2800	390
bis(2-Ethylhexyl)phthalate	830	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	1300	39
Benzo(k)fluoranthene	1500	39
Benzo(a)pyrene	1700	39
Indeno(1,2,3-cd)pyrene	370	39
Dibenz(a,h)anthracene	230	39
Benzo(g,h,i)perylene	420	390

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample No: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30697.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.74	1600	
2.	C15H12 PAH	14.79	1700	
3.	C15H12 PAH	14.93	2300	
4.	C15H12 PAH	14.96	1900	
5.	C16H12 PAH	15.16	1600	
6.	Unknown	15.39	1800	
7.	C16H14 PAH	15.57	1200	
8.	C16H14 PAH	15.65	1600	
9.	Phenanthrene, 1-methyl-7-(1-methylethy	16.57	4300	
10.	C17H12 PAH	16.62	1400	
11.	Unknown	16.76	1300	
12.	C17H12 PAH	16.94	1100	
13.	C17H12 PAH	16.98	1100	
14.	C19H14 PAH	18.97	2200	
15.	C20H12 PAH	20.72	4600	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	29700

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d
Lab Smp Id: 775273 Client Smp ID: B1407-SS02
Inj Date : 06-OCT-2006 16:34
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775273;3280924
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	14.60000	% Moisture

Cpnd Variable Local Compound Variable

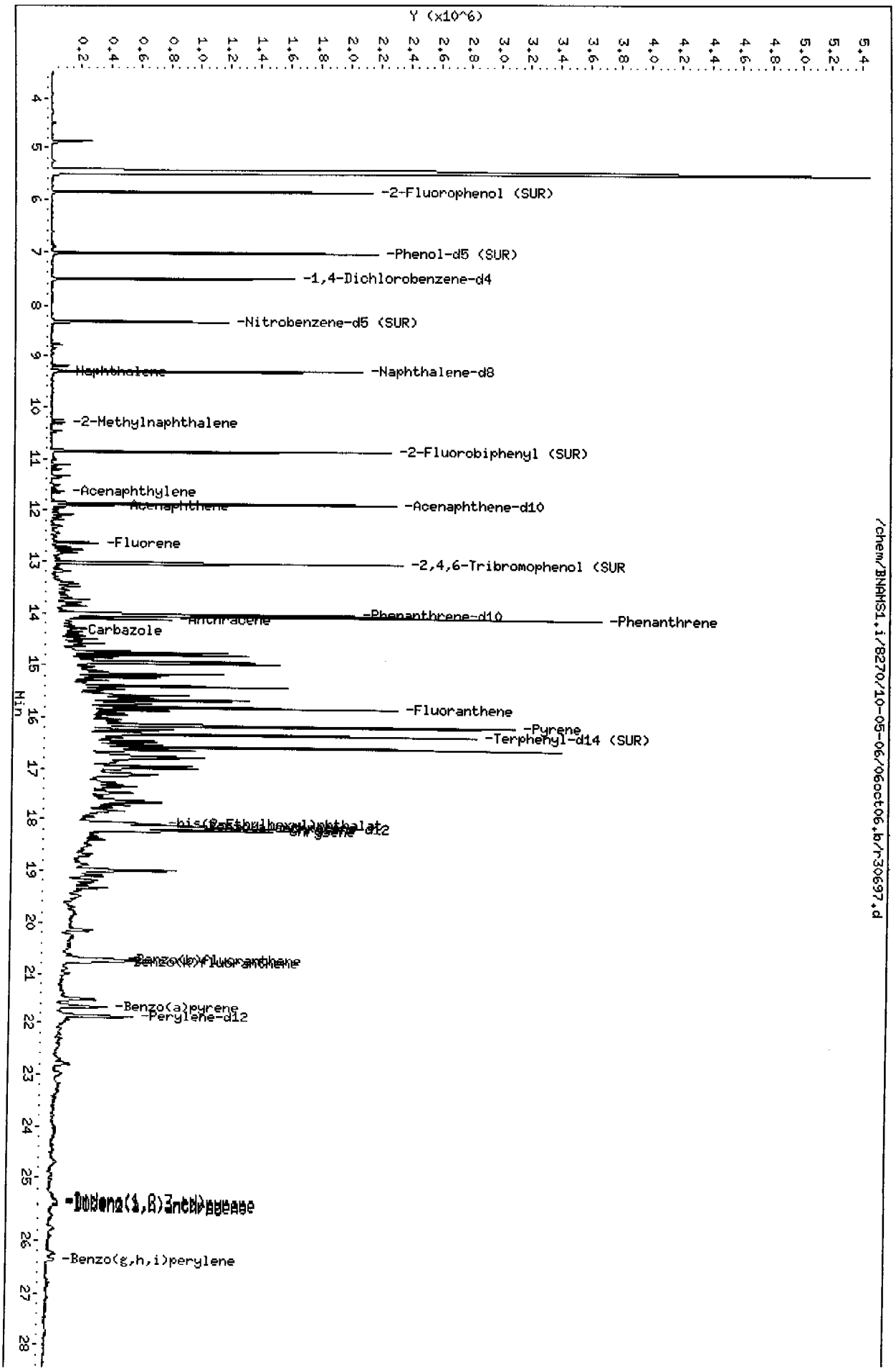
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.850	5.826	(0.779)	825487	67.0699	5200
$ 17 Phenol-d5 (SUR)	99	7.021	7.012	(0.935)	1140117	74.5187	5800
* 79 1,4-Dichlorobenzene-d4	152	7.508	7.499	(1.000)	328633	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.307	8.302	(0.893)	483199	35.9750	2800
* 80 Naphthalene-d8	136	9.304	9.293	(1.000)	1310390	40.0000	
31 Naphthalene	128	9.334	9.330	(1.003)	10885	0.33234	26(a)
34 2-Methylnaphthalene	142	10.310	10.304	(1.108)	28869	1.26030	98(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.858	10.848	(0.915)	1025901	40.7385	3200
39 Acenaphthylene	152	11.647	11.641	(0.981)	15715	0.44511	35(a)
* 82 Acenaphthene-d10	164	11.870	11.858	(1.000)	845291	40.0000	
42 Acenaphthene	154	11.915	11.910	(1.004)	120563	5.61849	440
47 Fluorene	166	12.638	12.640	(1.065)	94749	3.49667	270(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	13.034	13.021	(1.098)	358186	77.0553	6000
* 83 Phenanthrene-d10	188	14.017	14.005	(1.000)	1177470	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
52	Phenanthrene	178	14.061	14.043	(1.003)	2056813	59.0004	4600
53	Anthracene	178	14.114	14.111	(1.007)	385344	11.0551	860
54	Carbazole	167	14.330	14.333	(1.022)	9094	0.27629	22(a)
56	Fluoranthene	202	15.805	15.790	(1.128)	1087907	30.4403	2400
57	Pyrene	202	16.147	16.124	(0.889)	1931773	62.0866	4800
$ 78	Terphenyl-d14 (SUR)	244	16.321	16.302	(0.899)	997871	46.7825	3600
63	bis(2-Ethylhexyl)phthalate	149	18.063	18.048	(0.995)	270291	10.6112	830
61	Benzo(a)anthracene	228	18.105	18.093	(0.997)	708529	26.5296	2100
* 81	Chrysene-d12	240	18.154	18.137	(1.000)	970748	40.0000	
62	Chrysene	228	18.210	18.190	(1.003)	877930	35.2758	2800
65	Benzo(b)fluoranthene	252	20.705	20.711	(0.947)	329300	16.9723	1300
66	Benzo(k)fluoranthene	252	20.761	20.779	(0.950)	322507	19.1506	1500
67	Benzo(a)pyrene	252	21.668	21.672	(0.991)	352337	21.5875	1700
* 84	Perylene-d12	264	21.861	21.844	(1.000)	508546	40.0000	
68	Indeno(1,2,3-cd)pyrene	276	25.374	25.392	(1.161)	75924	4.69189	370
69	Dibenz(a,h)anthracene	278	25.389	25.458	(1.161)	38152	2.94003	230(H)
70	Benzo(g,h,i)perylene	276	26.361	26.408	(1.206)	75666	5.36762	420(H)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.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Date : 06-OCT-2006 16:34
Client ID: B1407-SS02
Sample Info: 775273;3280924
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Phenanthrene
Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

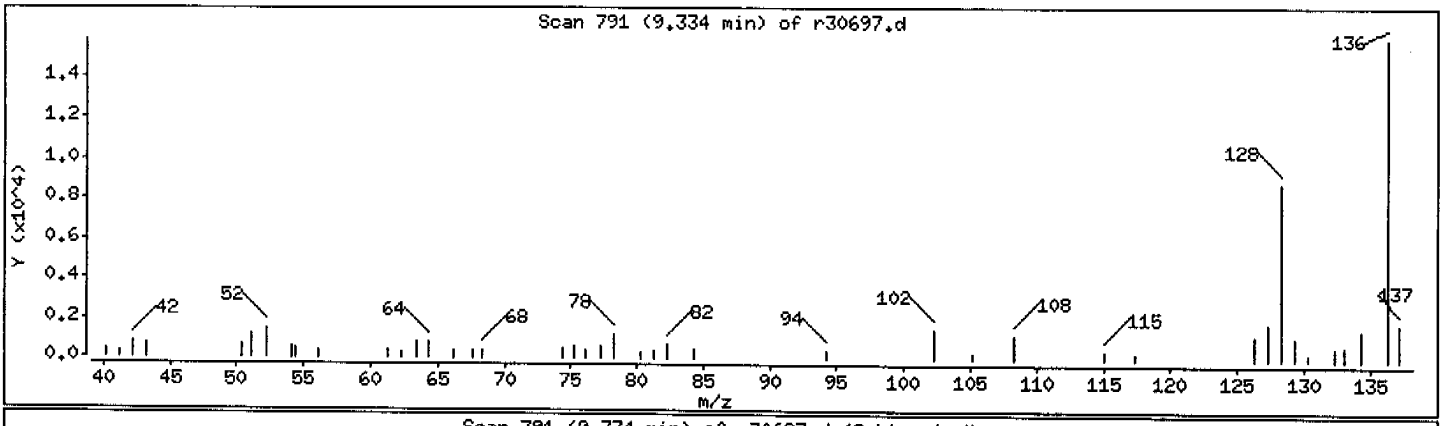
Client ID: B1407-SS02 Instrument: BNAMS1.i

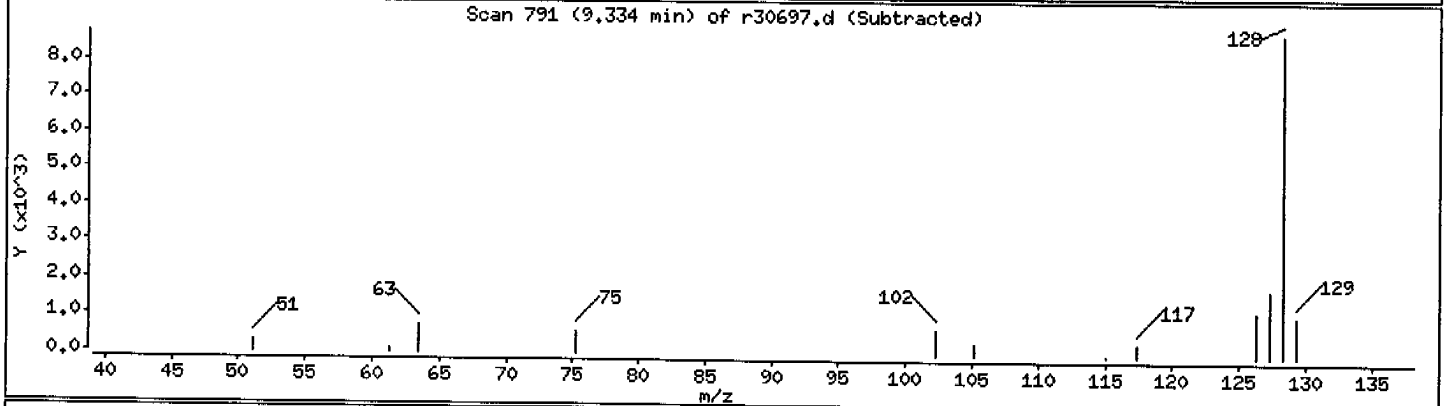
Sample Info: 775273;3280924

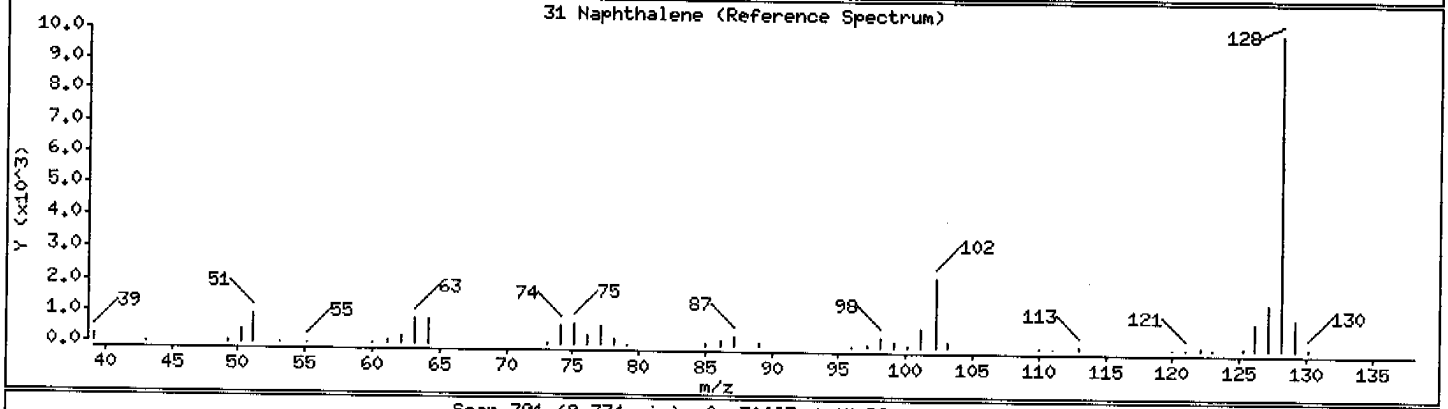
Operator: BNAMS 4

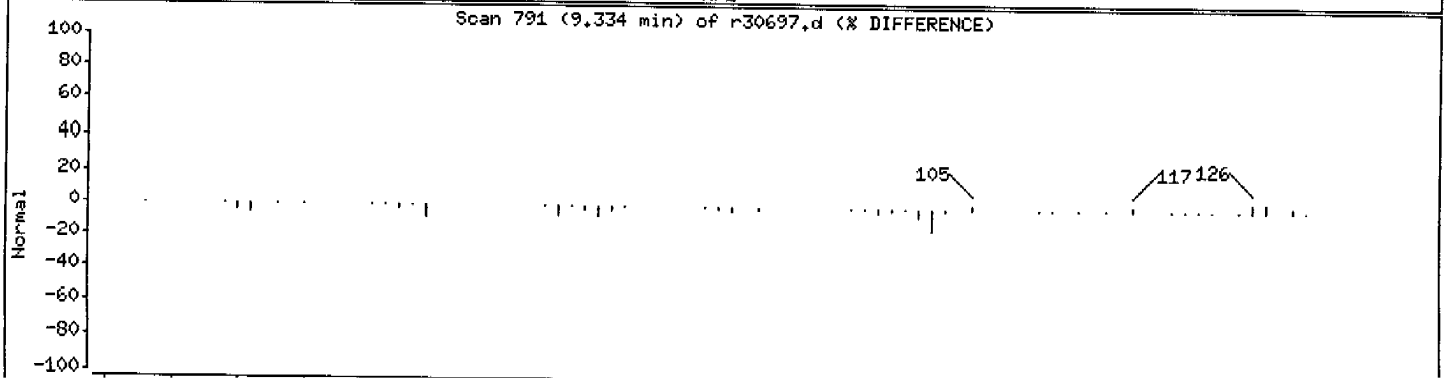
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 26 ug/Kg









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Date : 06-OCT-2006 16:34

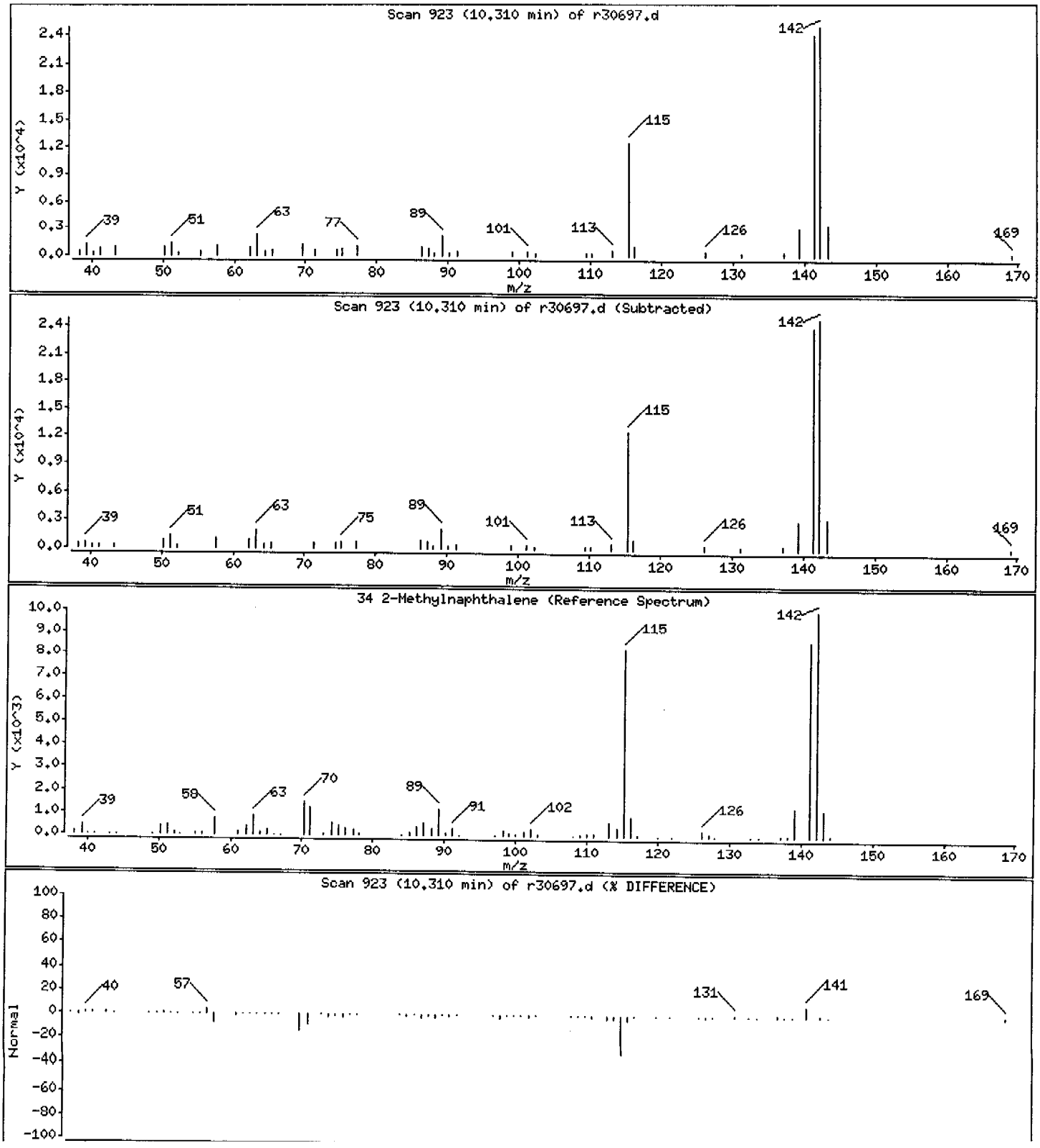
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 98 ug/Kg



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Date : 06-OCT-2006 16:34

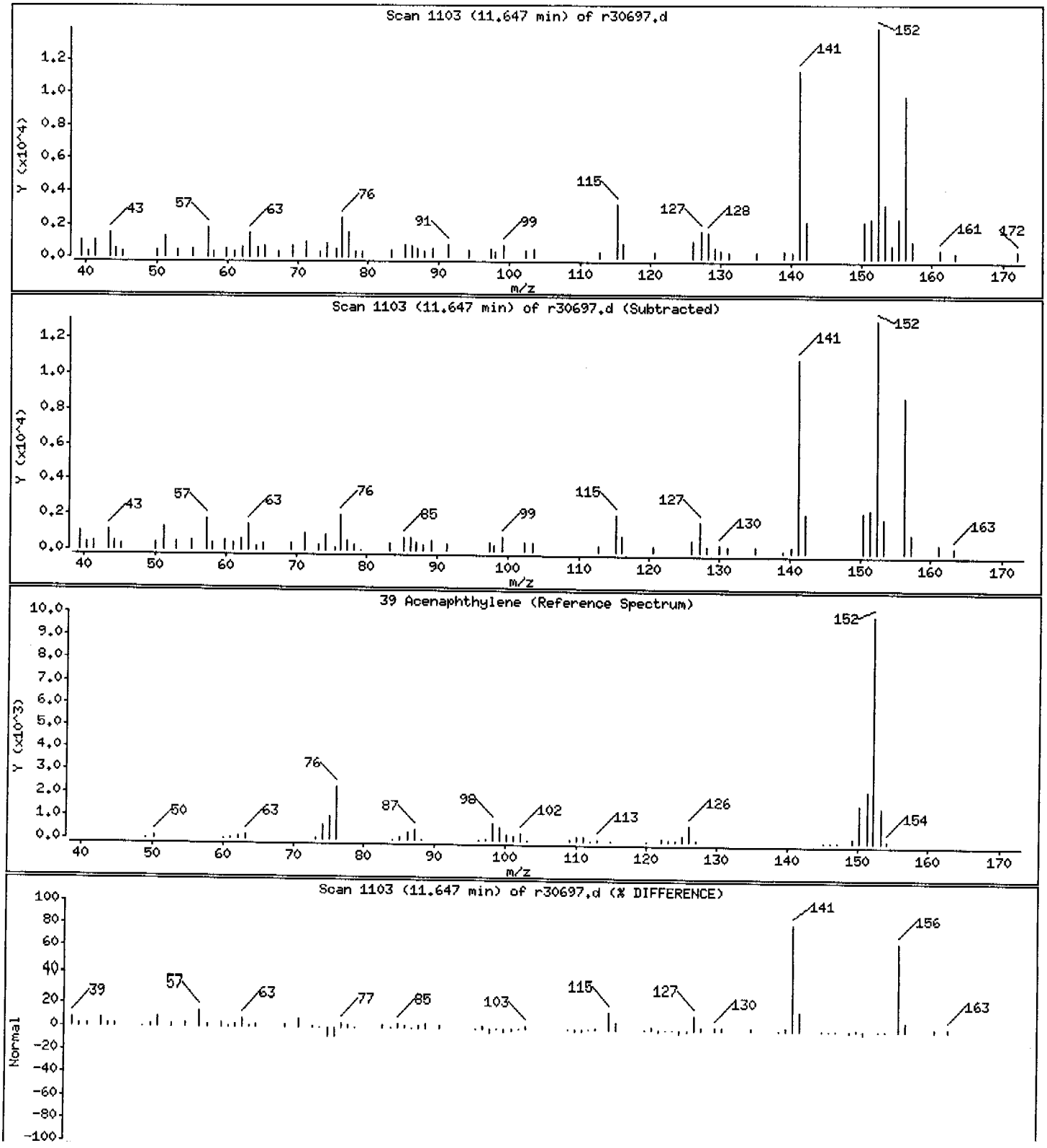
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 35 ug/Kg



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Date : 06-OCT-2006 16:34

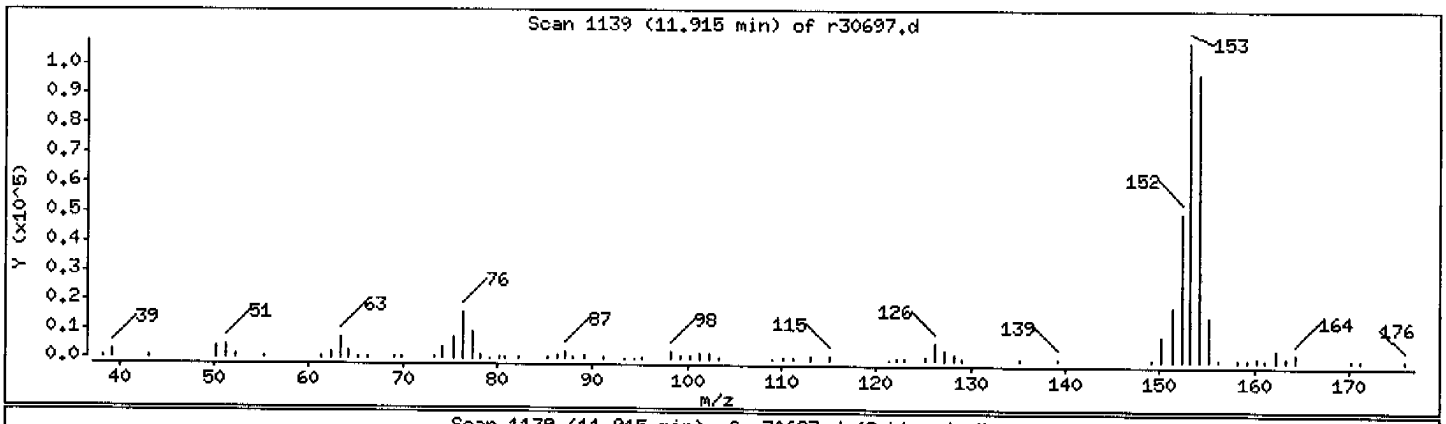
Client ID: B1407-SS02 Instrument: BNAMS1.i

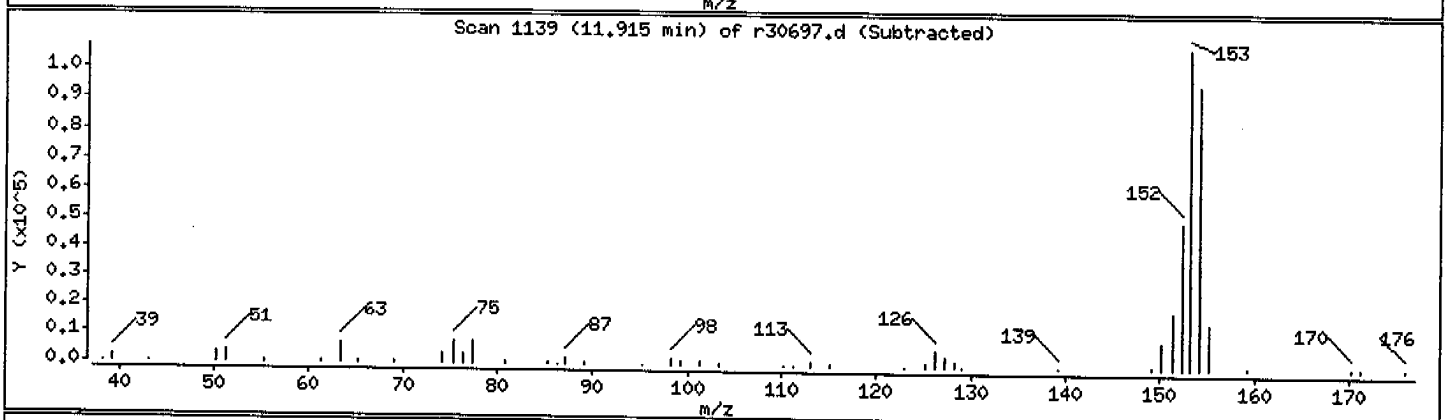
Sample Info: 775273;3280924

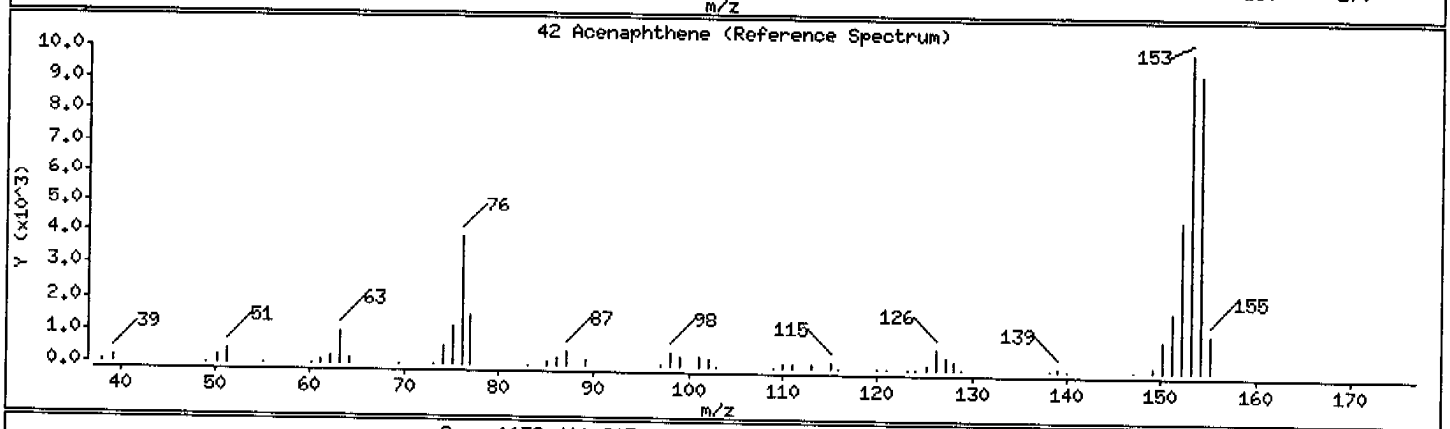
Operator: BNAMS 4

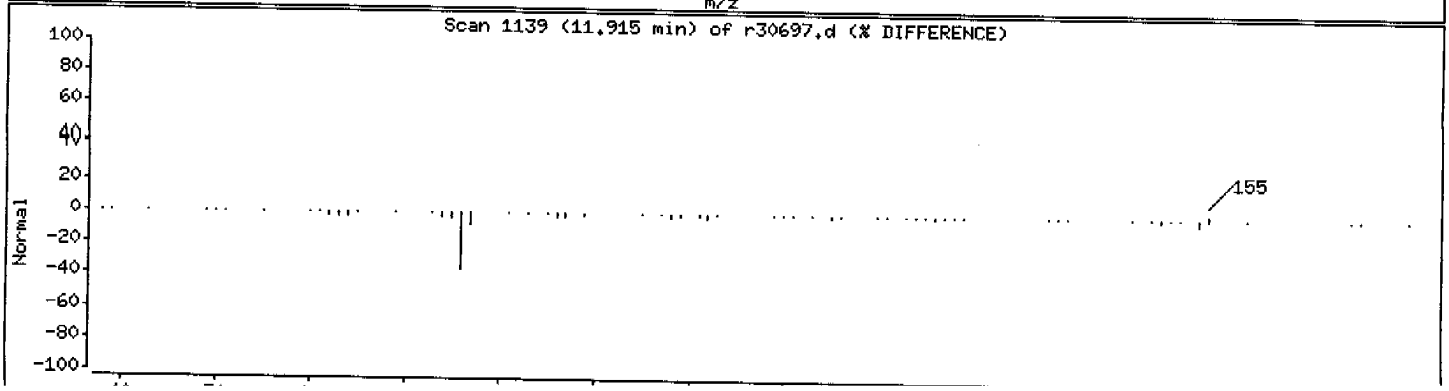
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 440 ug/Kg









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Date : 06-OCT-2006 16:34

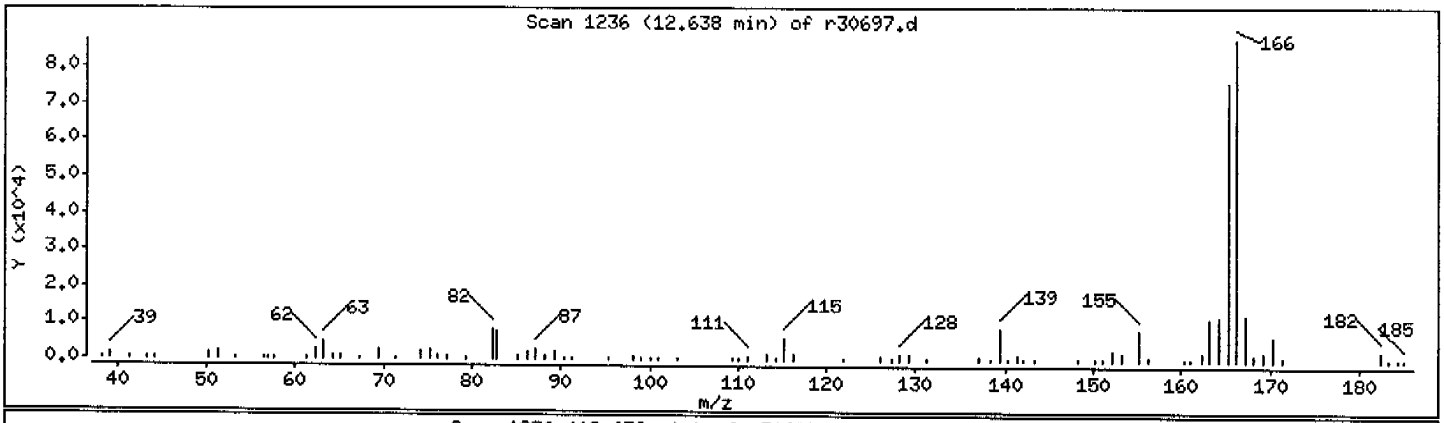
Client ID: B1407-SS02 Instrument: BNAMS1.i

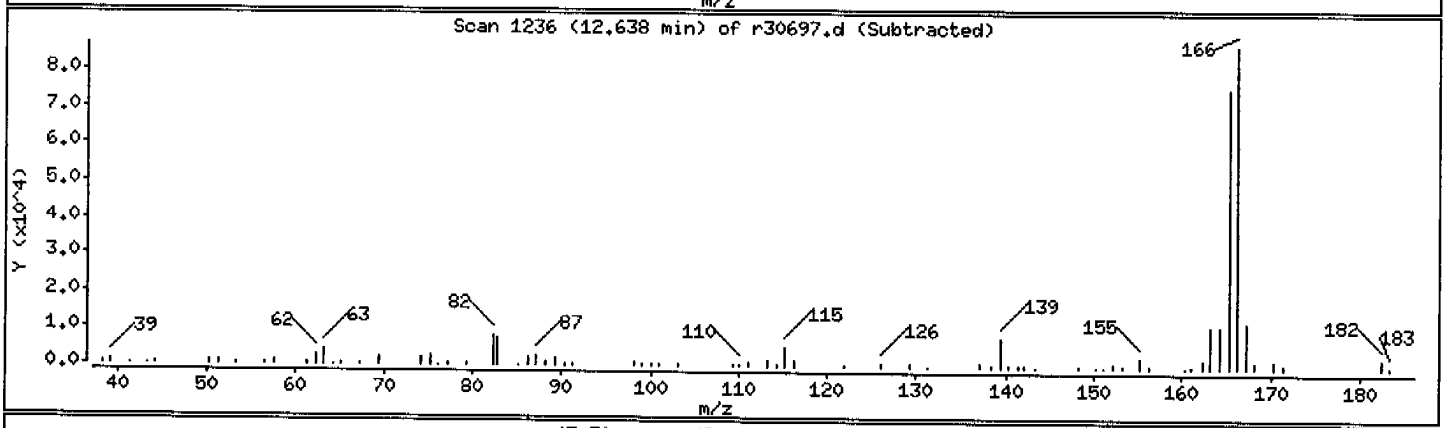
Sample Info: 775273;3280924

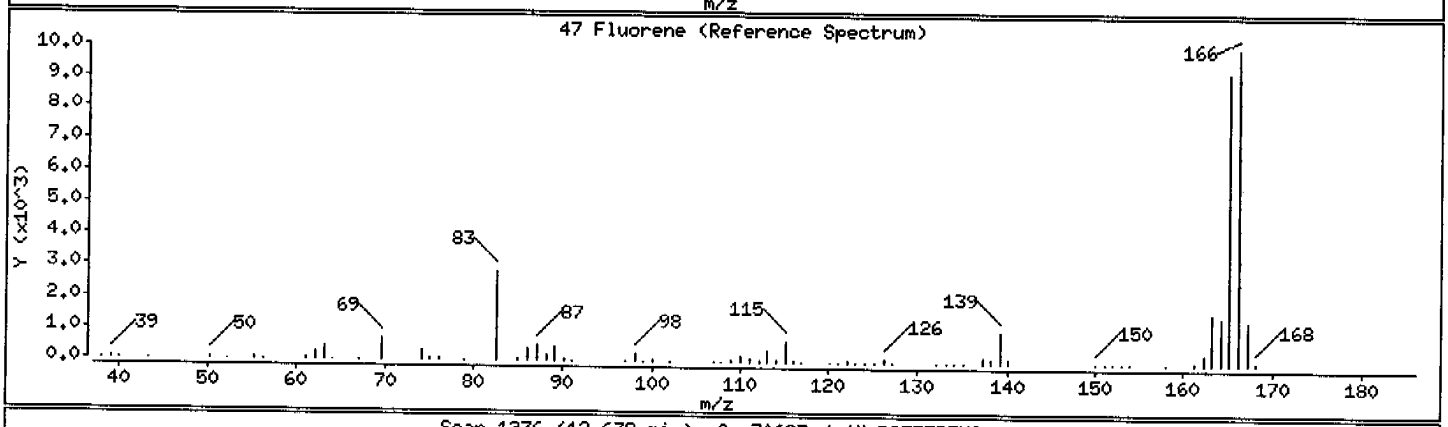
Operator: BNAMS 4

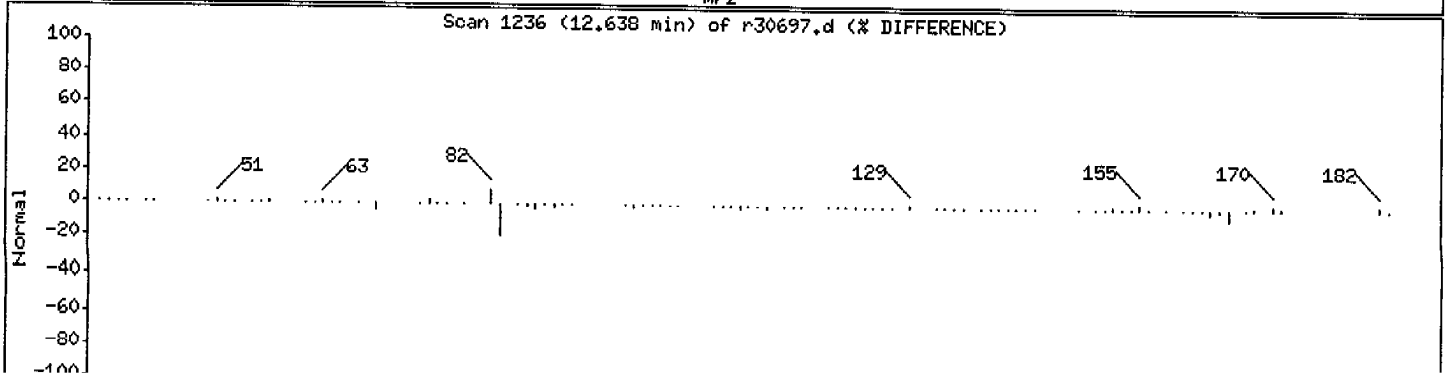
Column phase: DB-5 Column diameter: 0.25

47 Fluorene Concentration: 270 ug/Kg









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Date : 06-OCT-2006 16:34

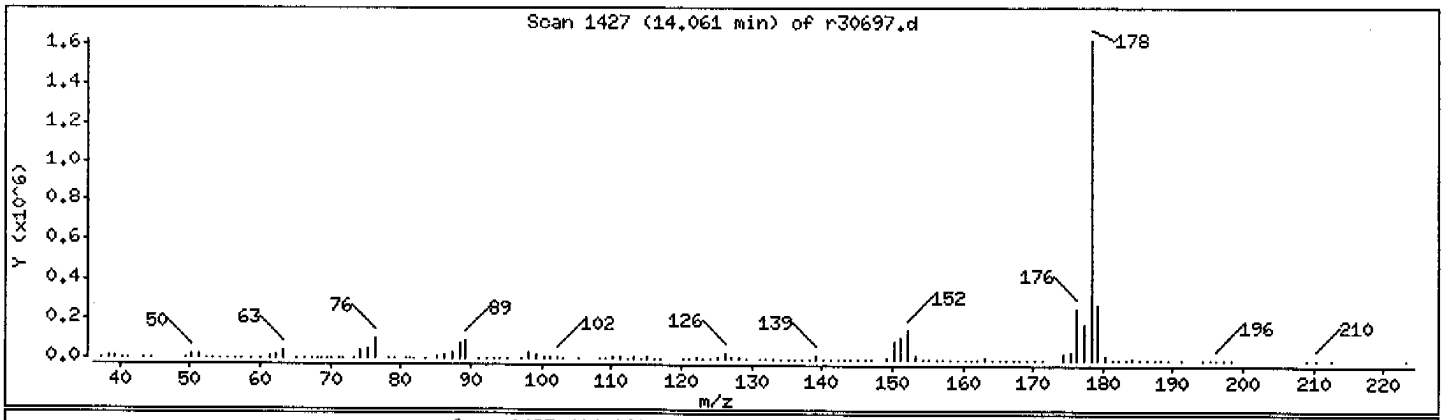
Client ID: B1407-SS02 Instrument: BNAMS1.i

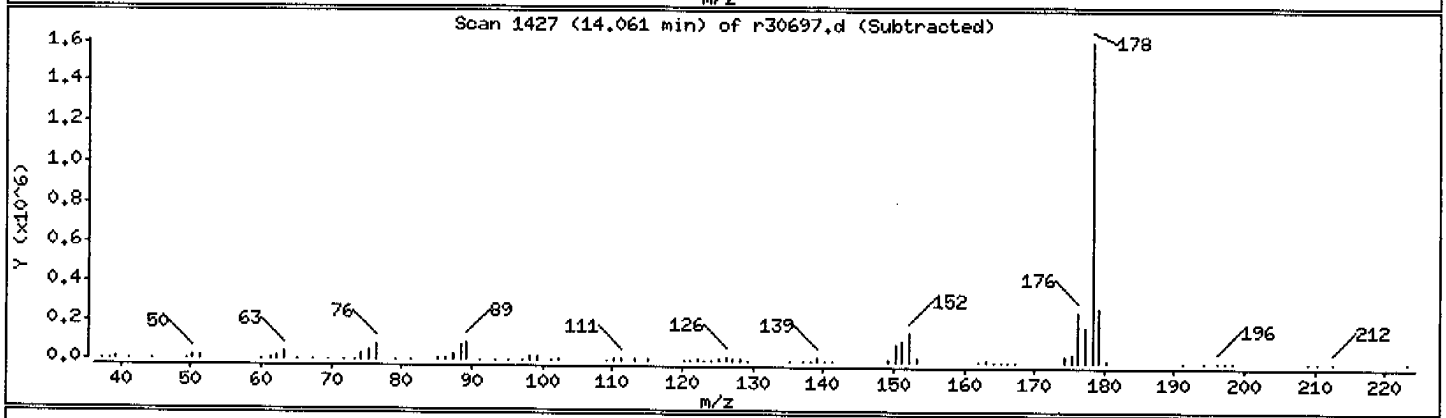
Sample Info: 775273;3280924

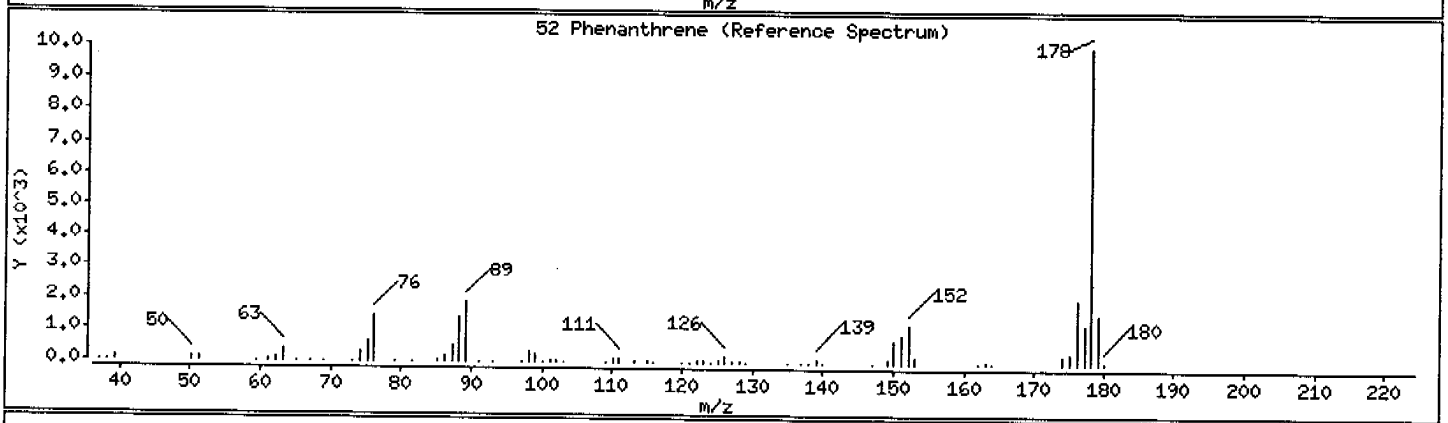
Operator: BNAMS 4

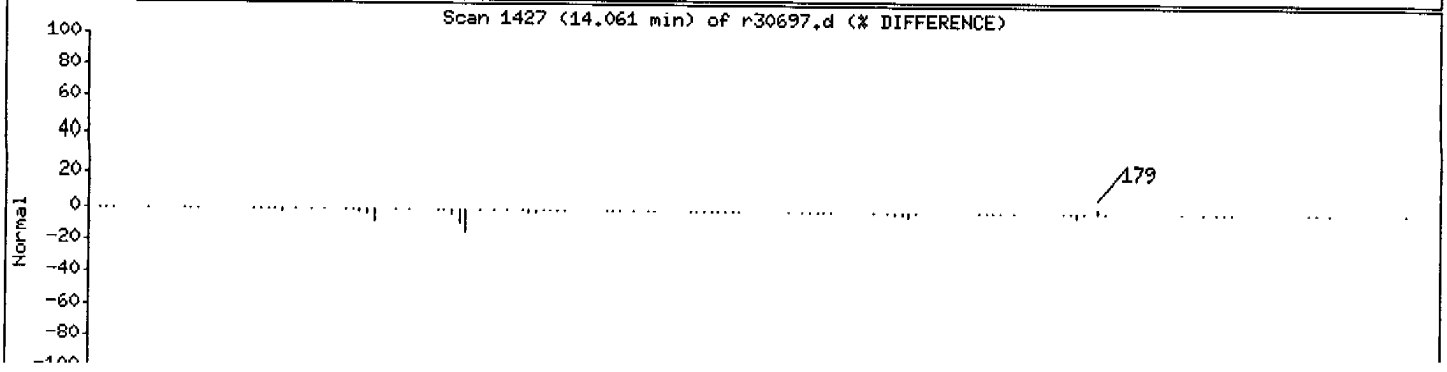
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 4600 ug/Kg









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Date : 06-OCT-2006 16:34

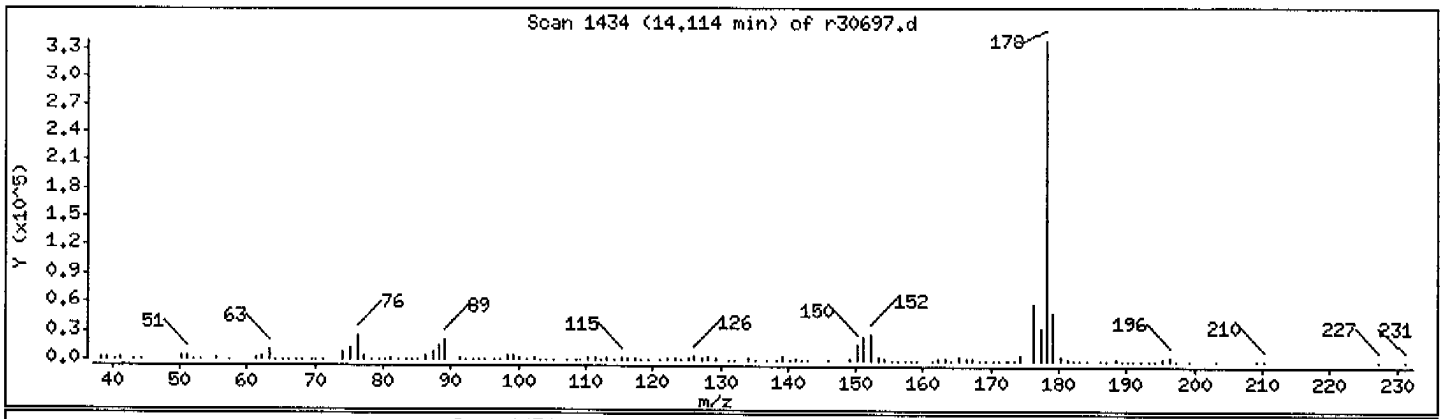
Client ID: B1407-SS02 Instrument: BNAMS1.i

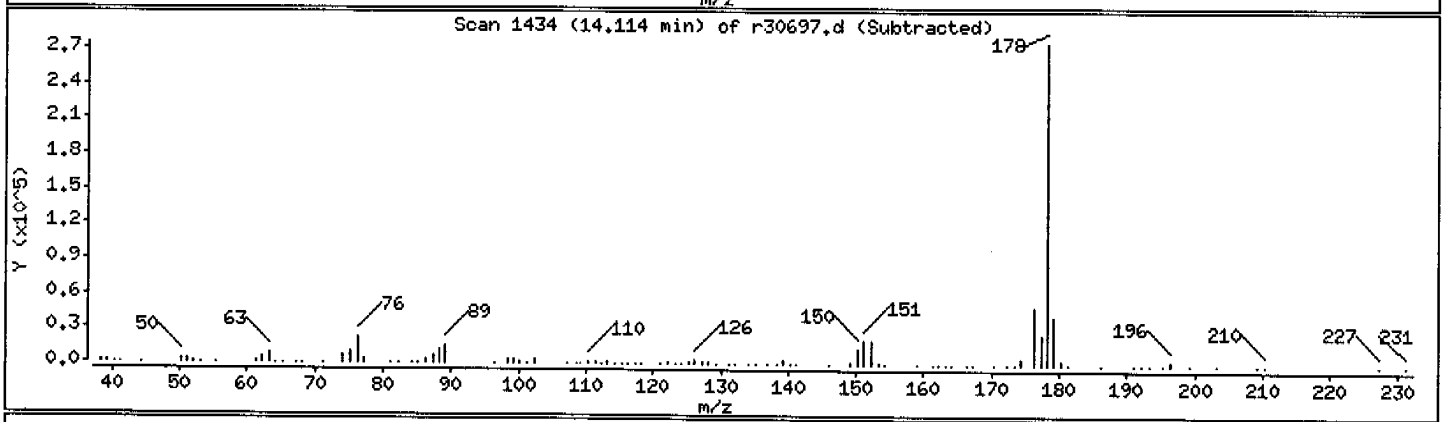
Sample Info: 775273;3280924

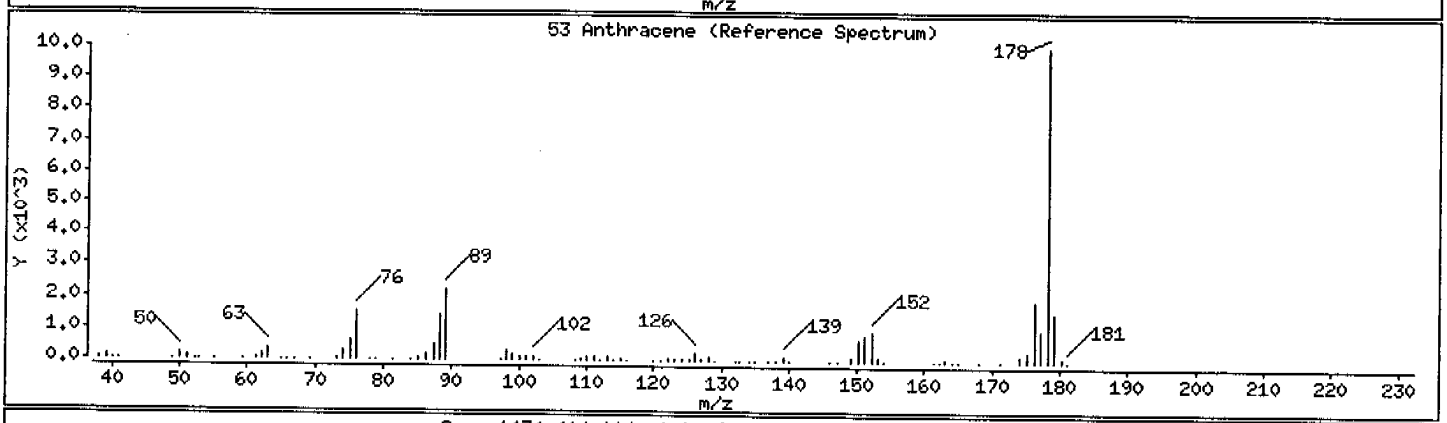
Operator: BNAMS 4

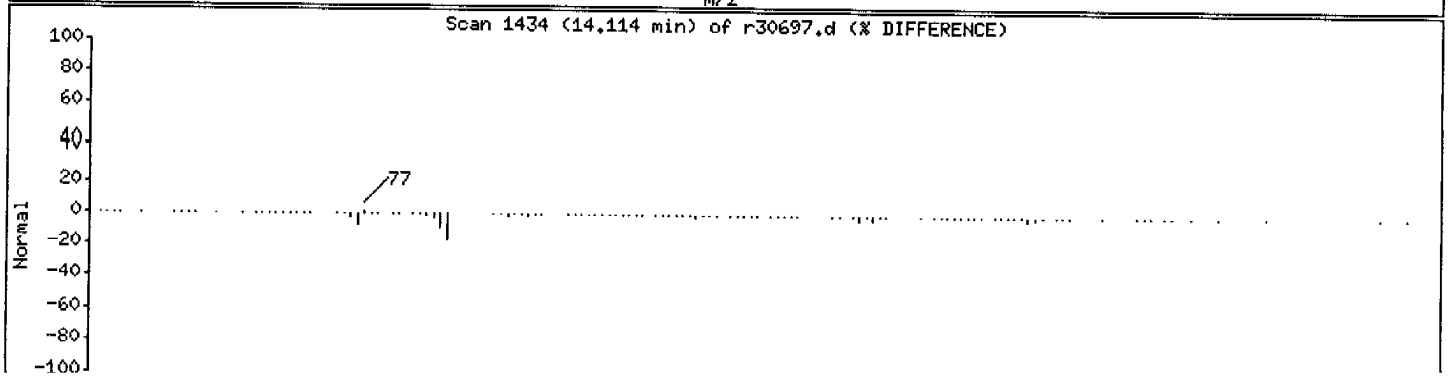
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 860 ug/Kg









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Date : 06-OCT-2006 16:34

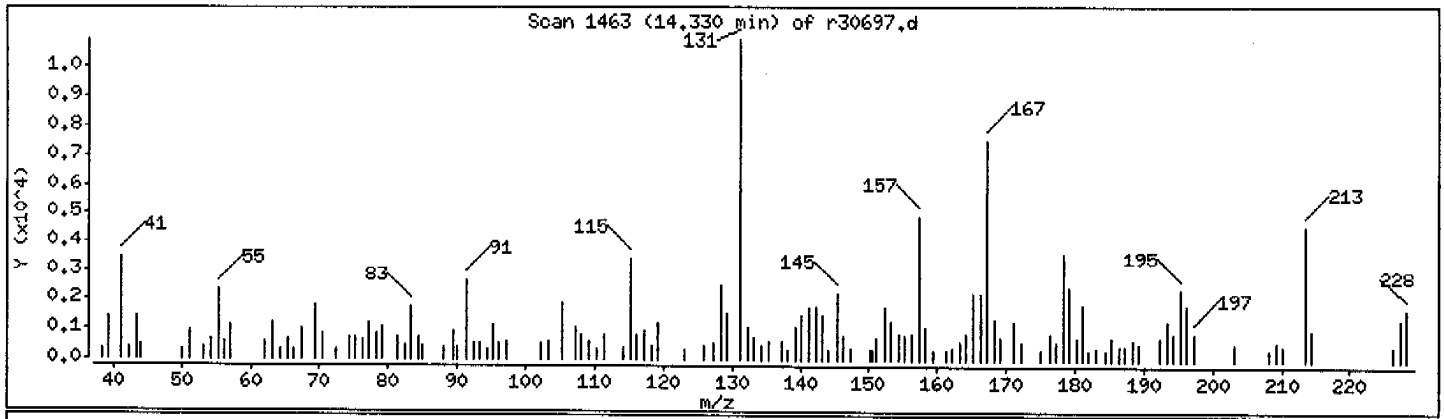
Client ID: B1407-SS02 Instrument: BNAMS1.i

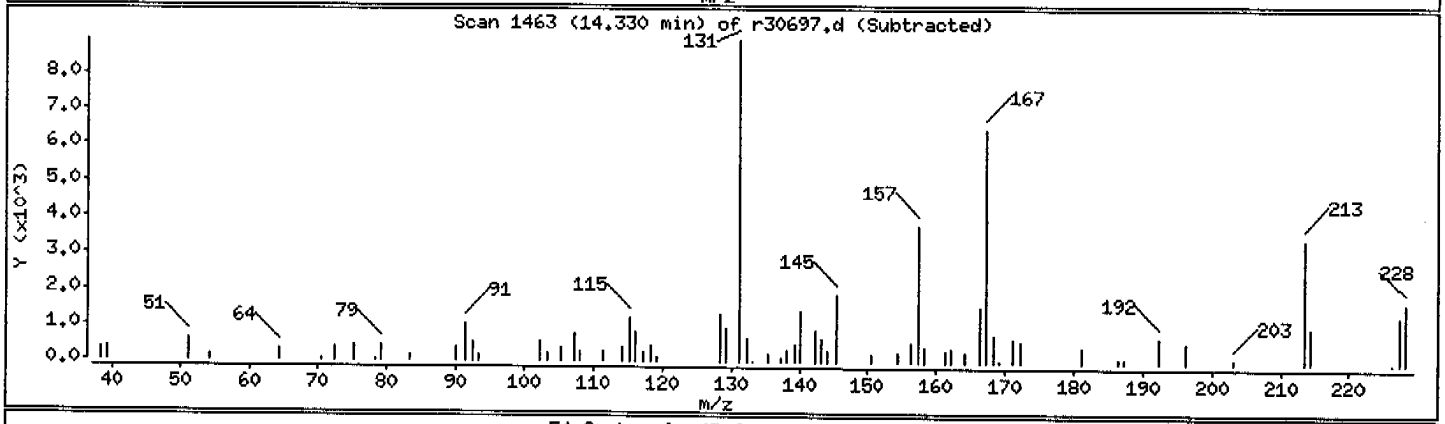
Sample Info: 775273;3280924

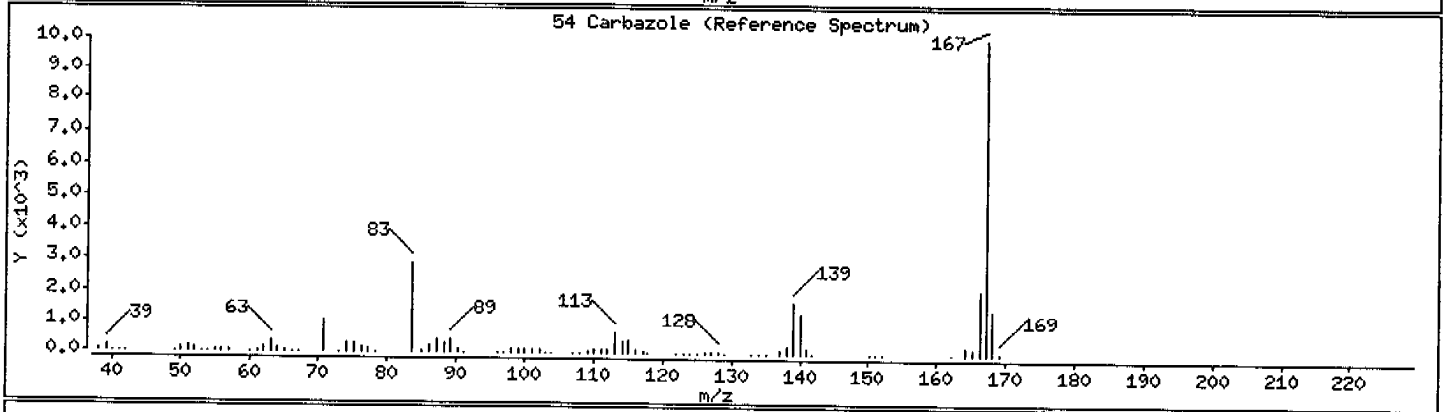
Operator: BNAMS 4

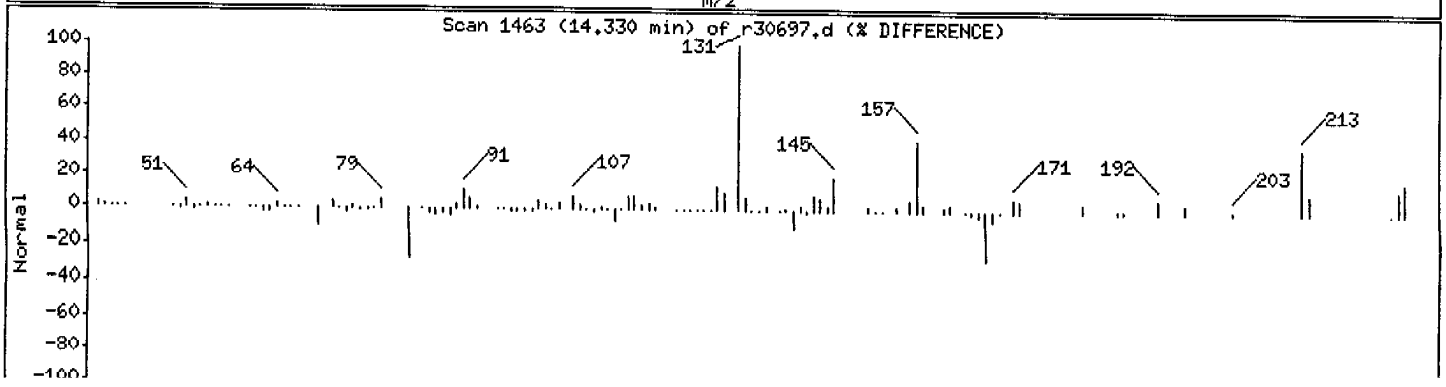
Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 22 ug/Kg









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Date : 06-OCT-2006 16:34

Client ID: B1407-SS02

Instrument: BNAMS1.i

Sample Info: 775273;3280924

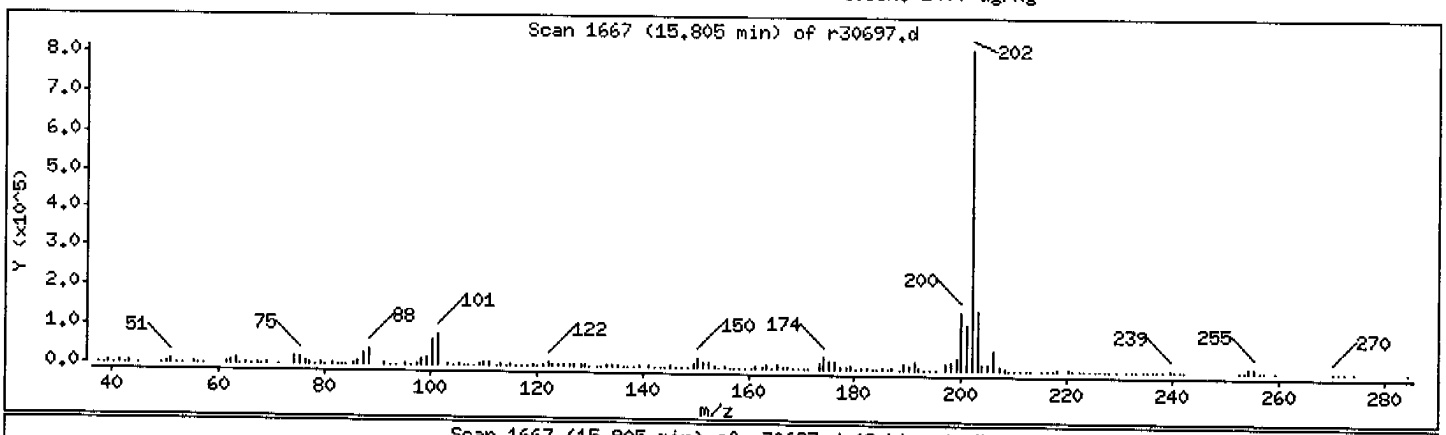
Operator: BNAMS 4

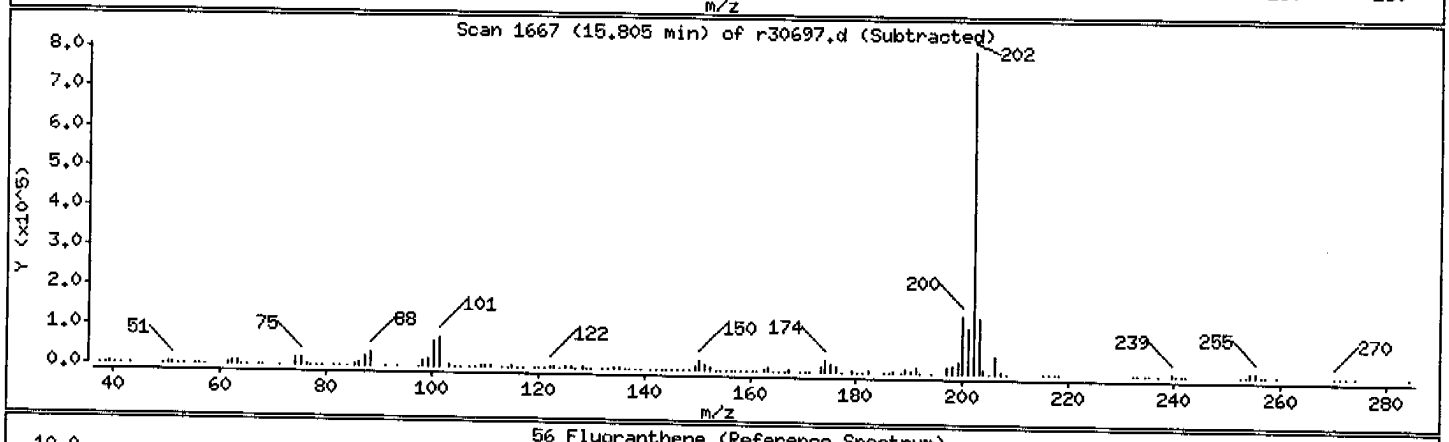
Column phase: DB-5

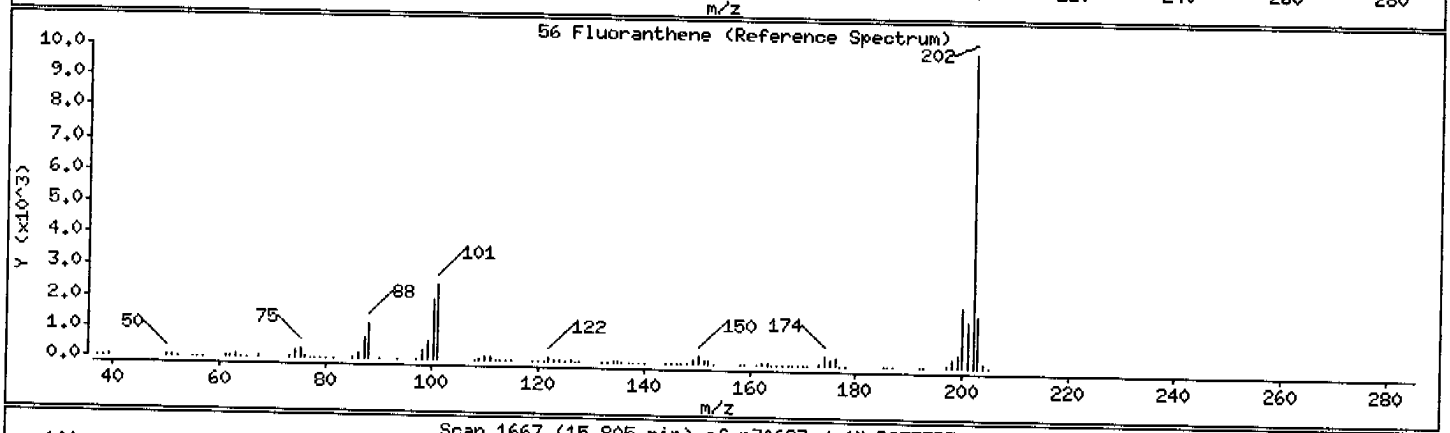
Column diameter: 0.25

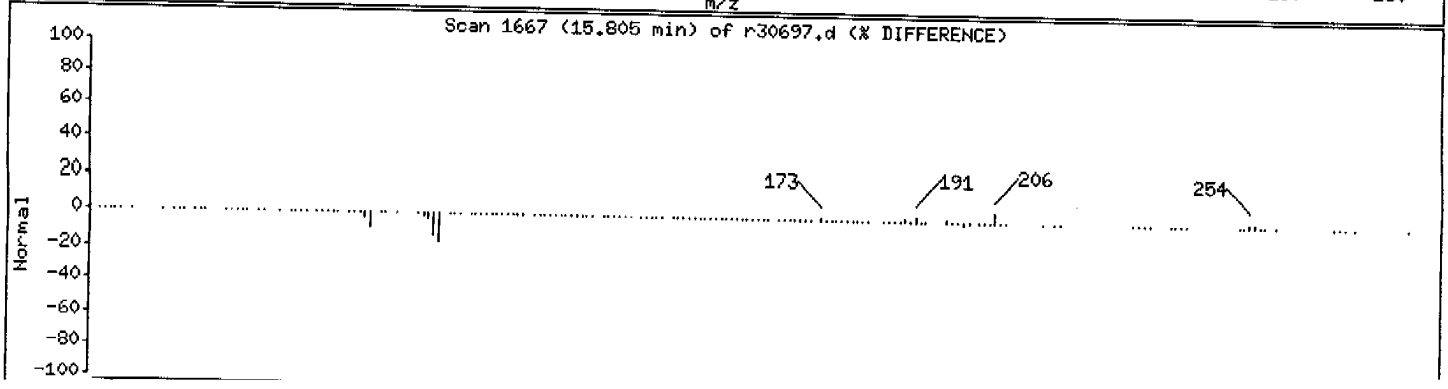
56 Fluoranthene

Concentration: 2400 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

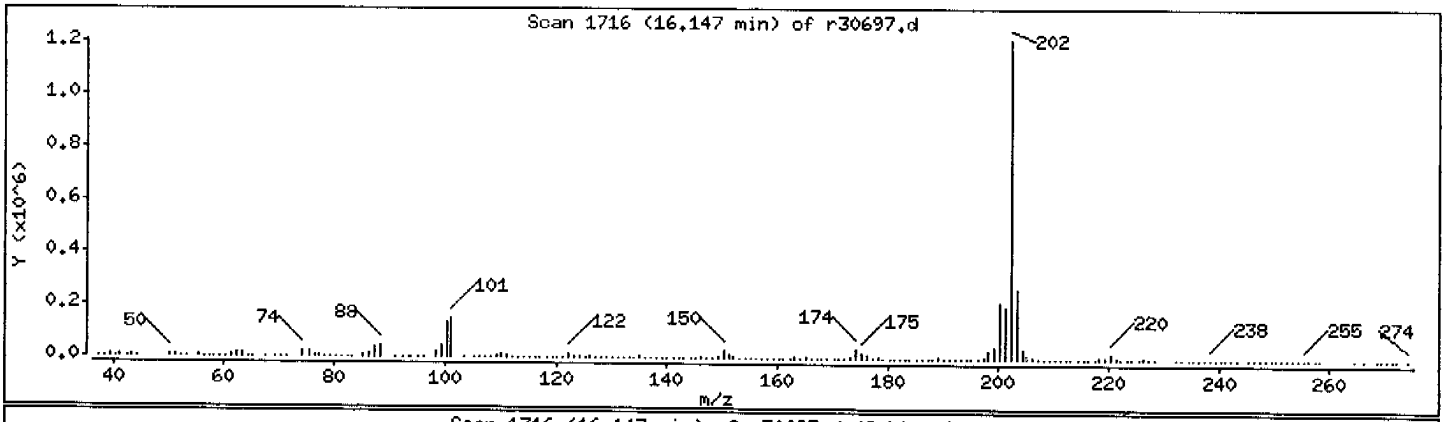
Client ID: B1407-SS02 Instrument: BNAMS1.i

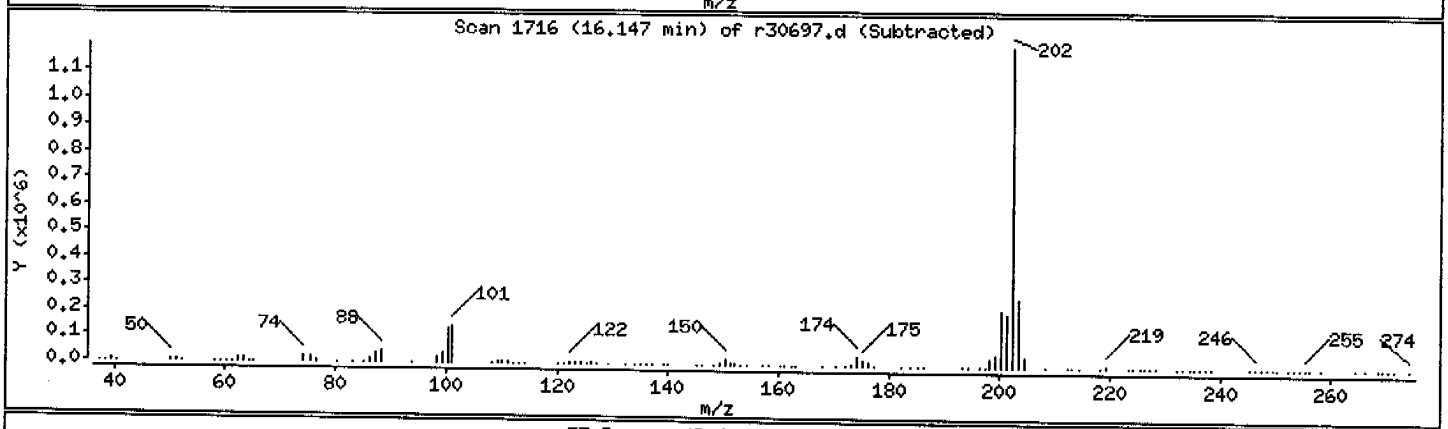
Sample Info: 775273:3280924

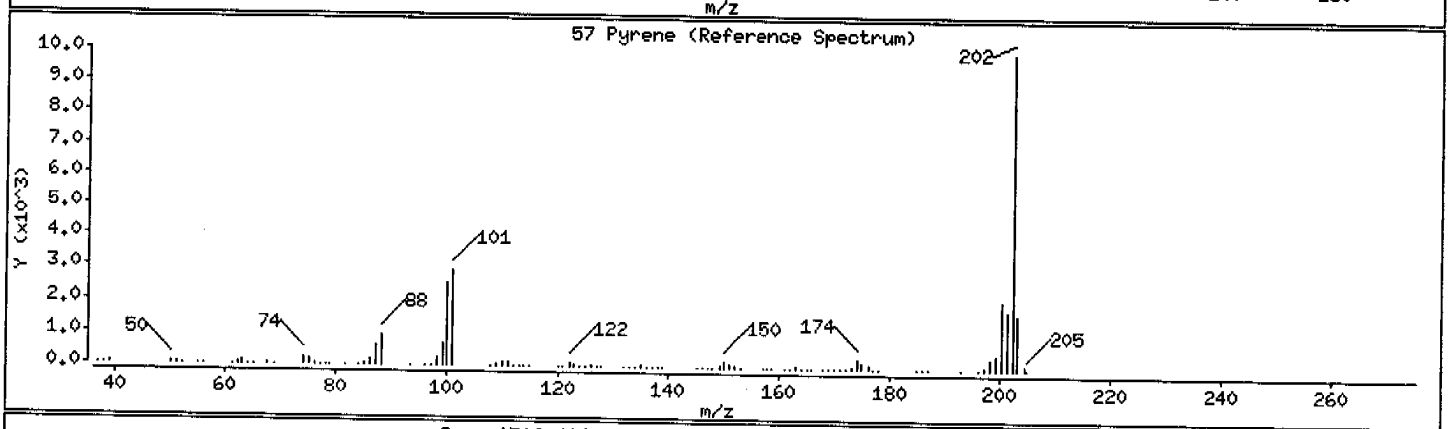
Operator: BNAMS 4

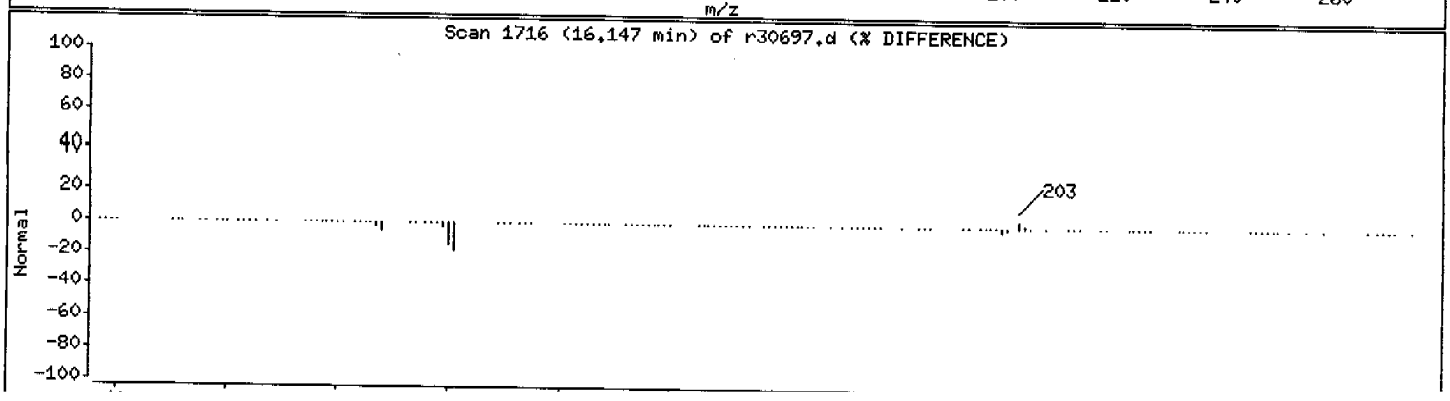
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 4800 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

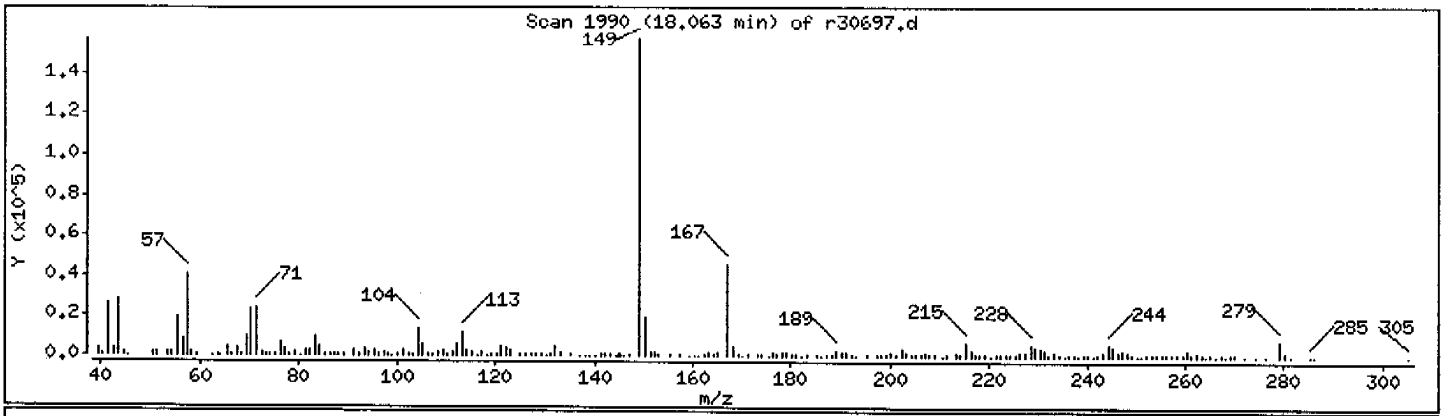
Client ID: B1407-SS02 Instrument: BNAMS1.i

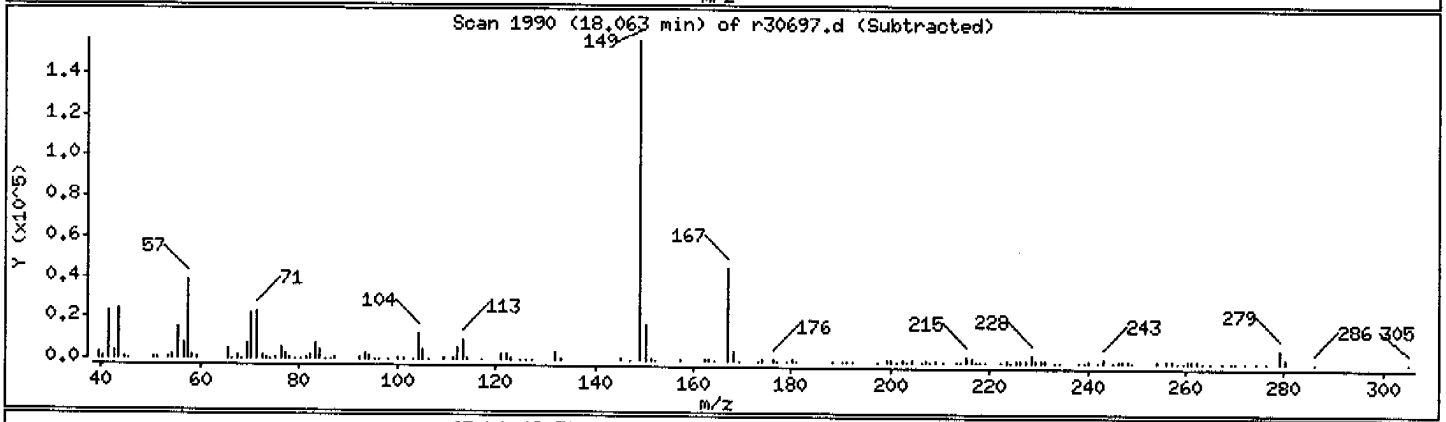
Sample Info: 775273;3280924

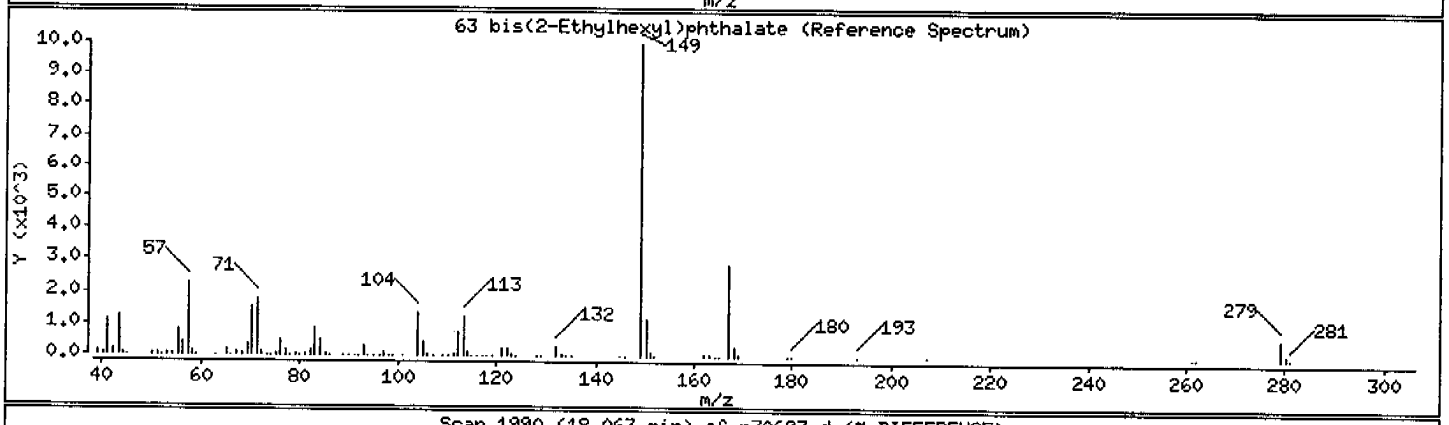
Operator: BNAMS 4

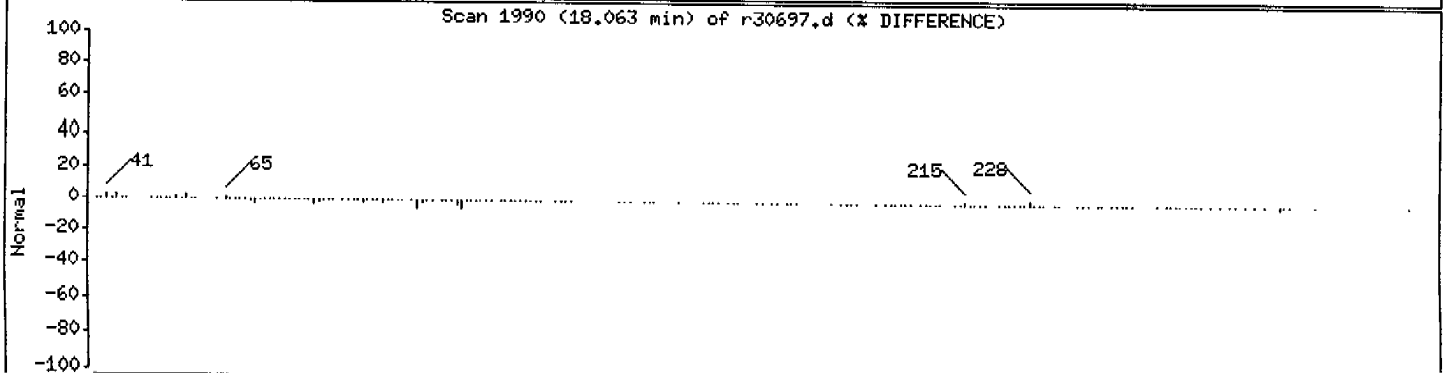
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 830 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

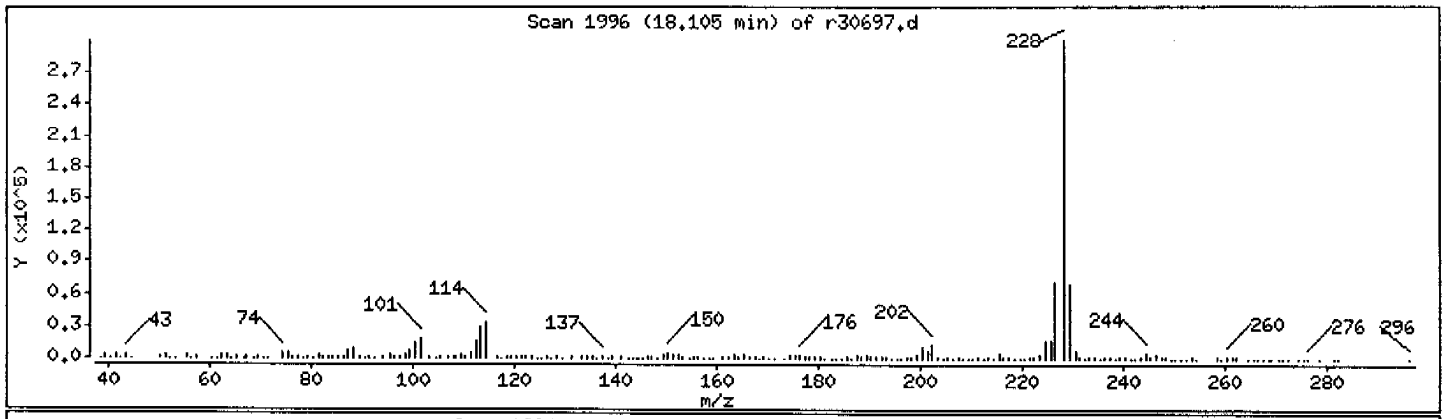
Client ID: B1407-SS02 Instrument: BNAMS1.i

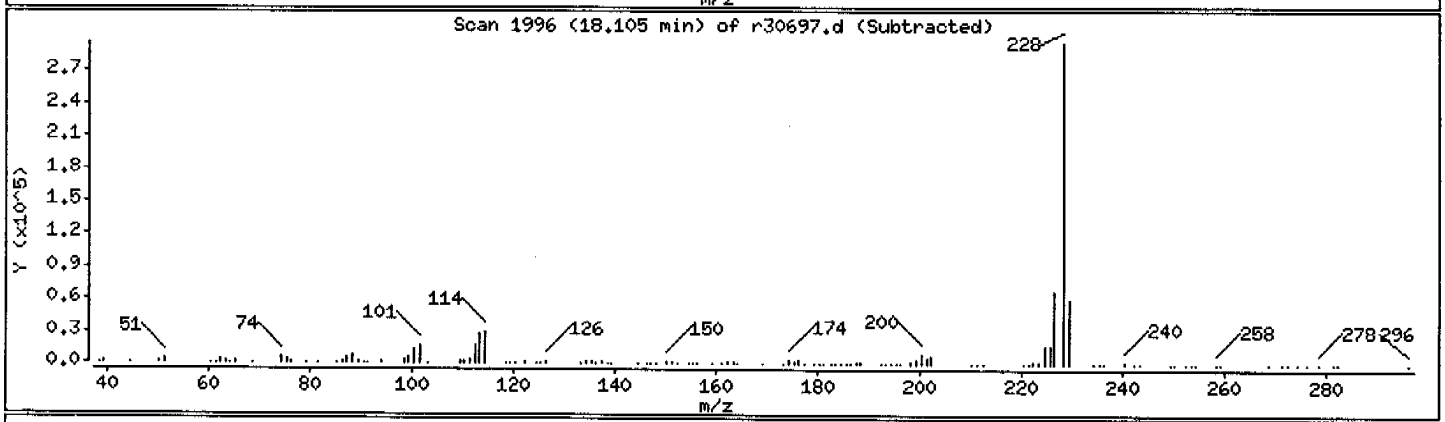
Sample Info: 775273;3280924

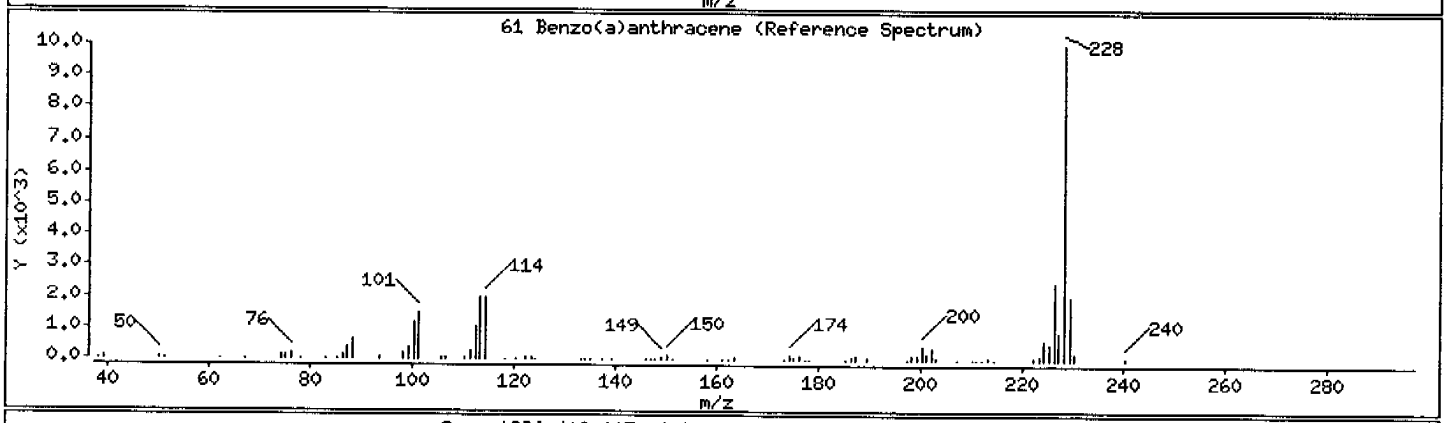
Operator: BNAMS 4

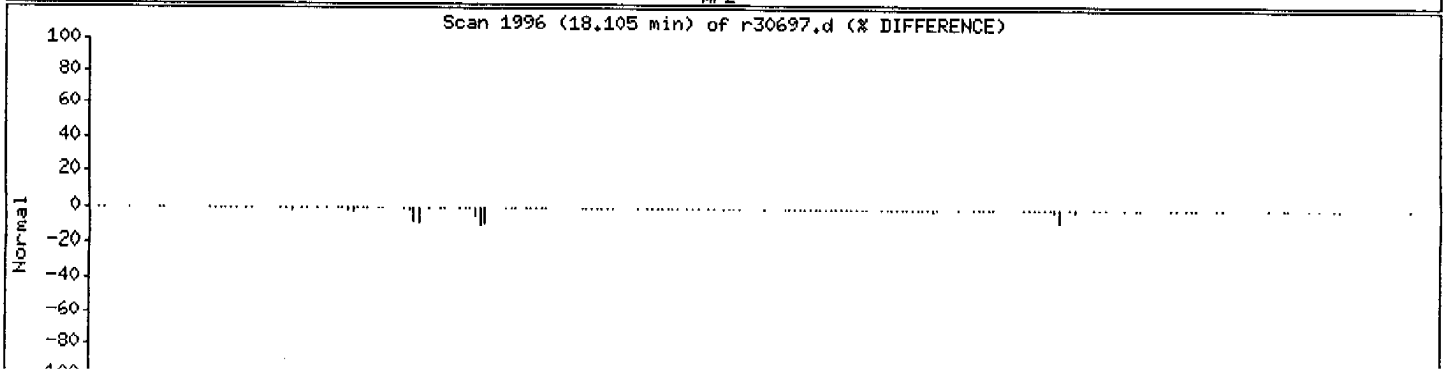
Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 2100 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

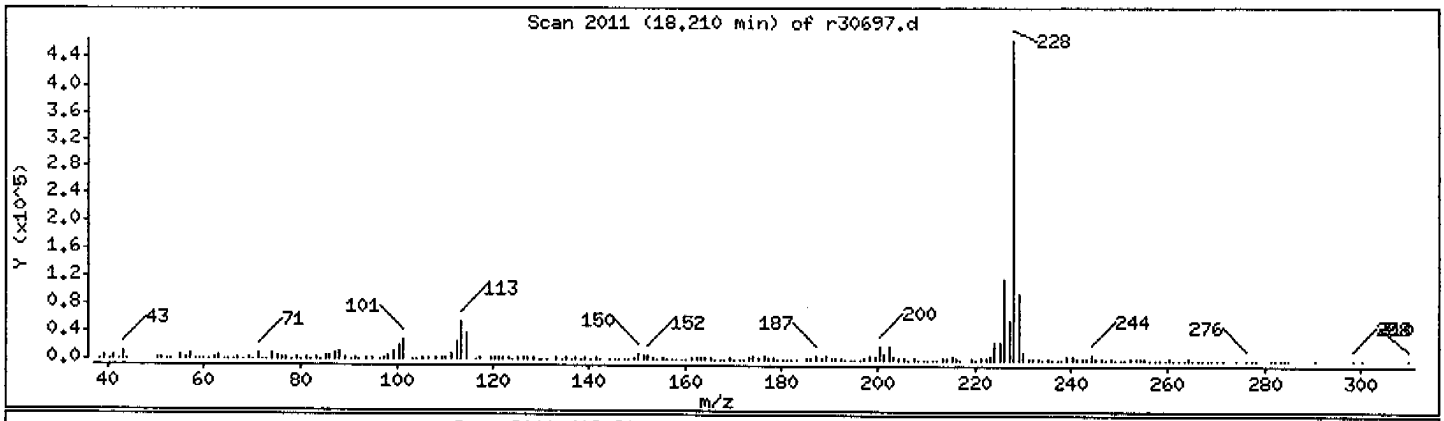
Client ID: B1407-SS02 Instrument: BNAMS1.i

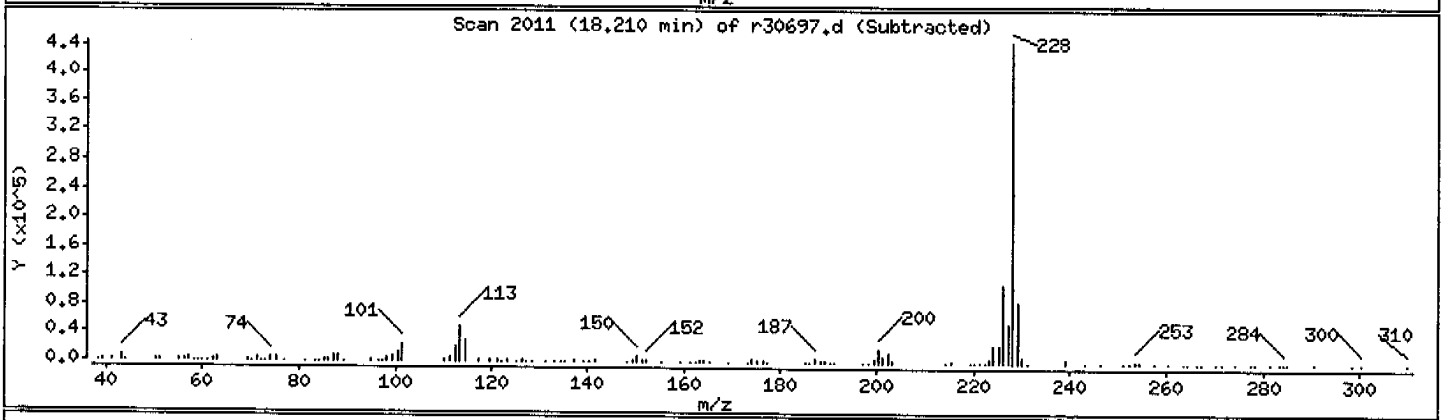
Sample Info: 775273;3280924

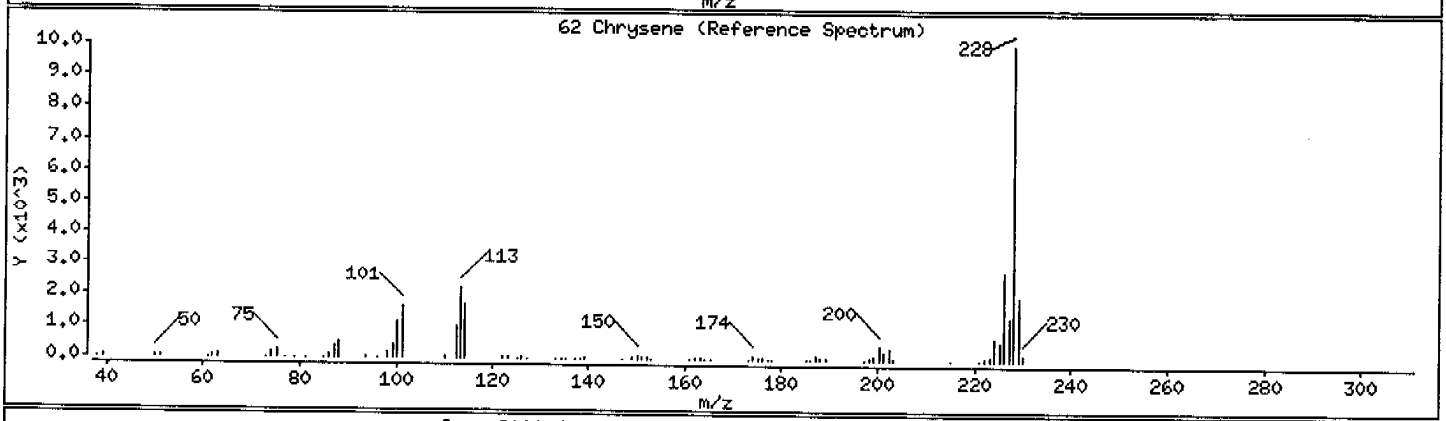
Operator: BNAMS 4

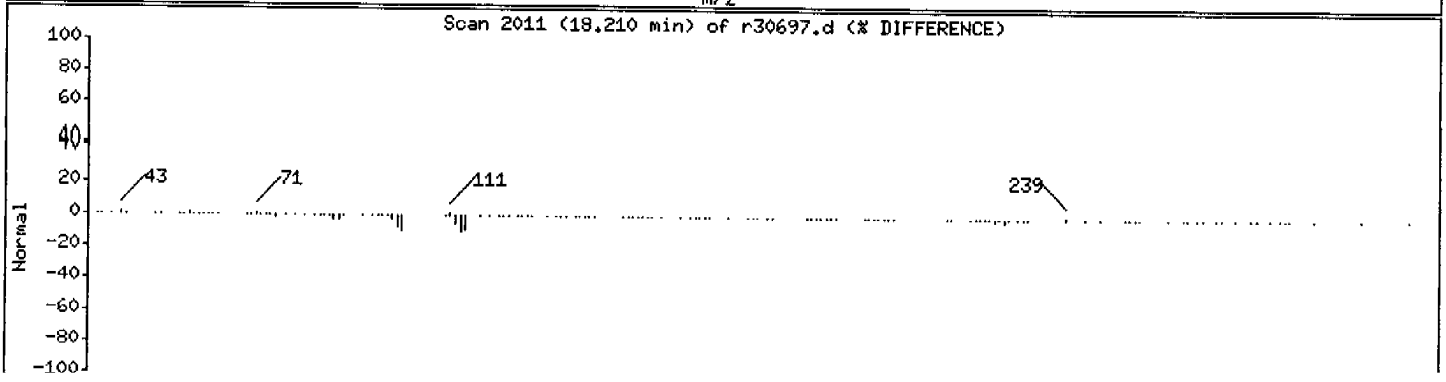
Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 2800 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

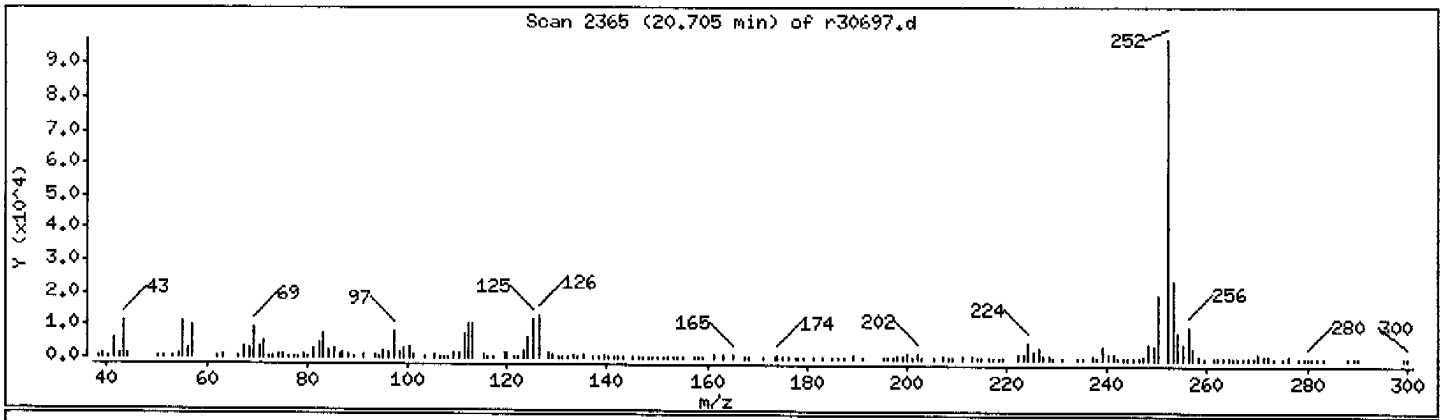
Client ID: B1407-SS02 Instrument: BNAMS1.i

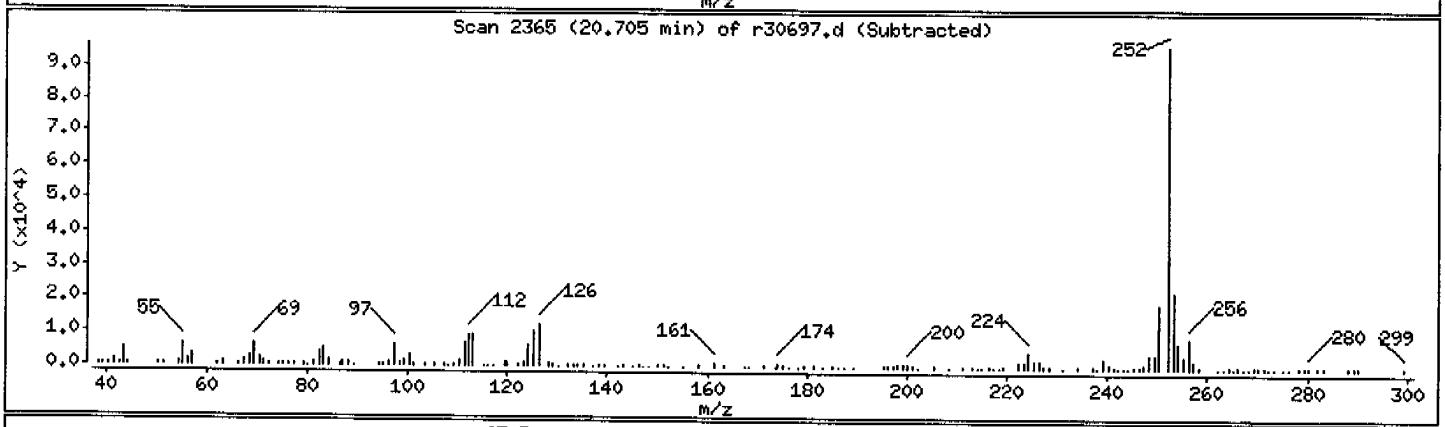
Sample Info: 775273:3280924

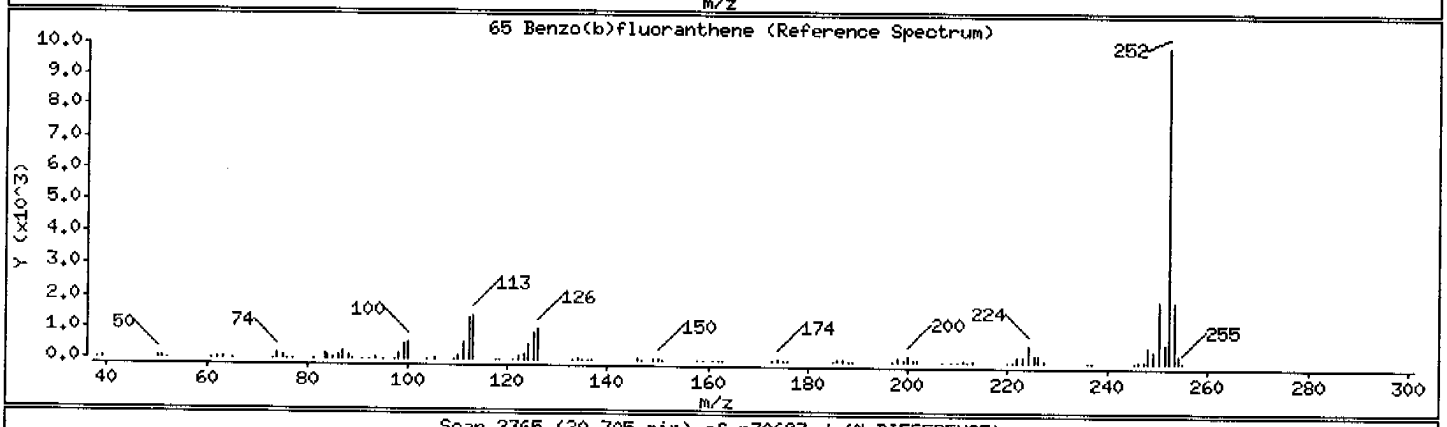
Operator: BNAMS 4

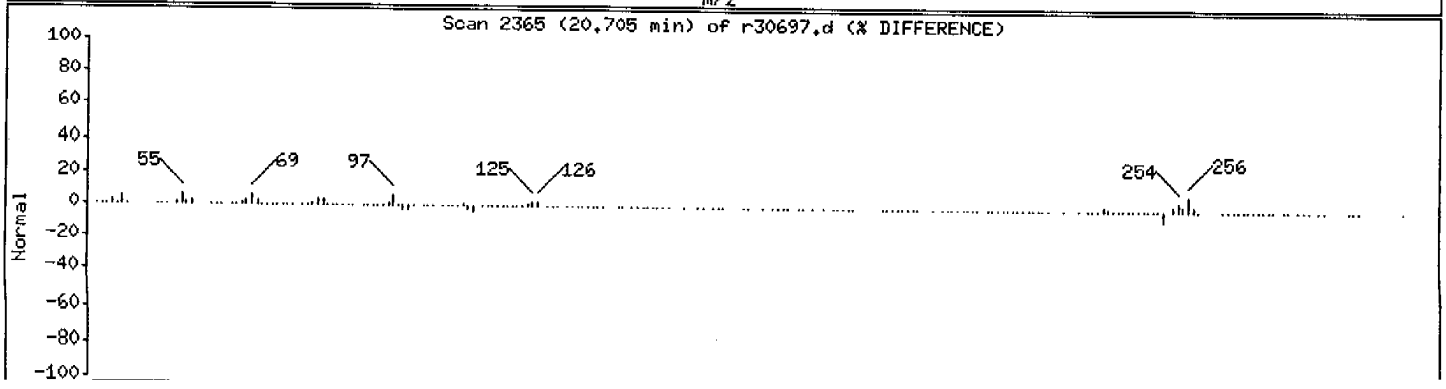
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 1300 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

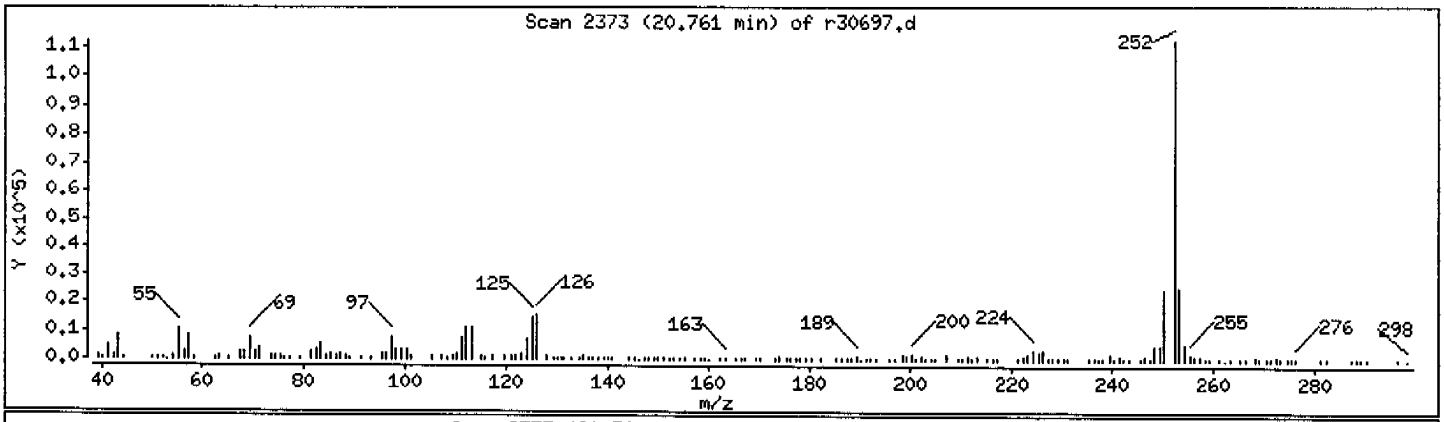
Client ID: B1407-SS02 Instrument: BNAMS1.i

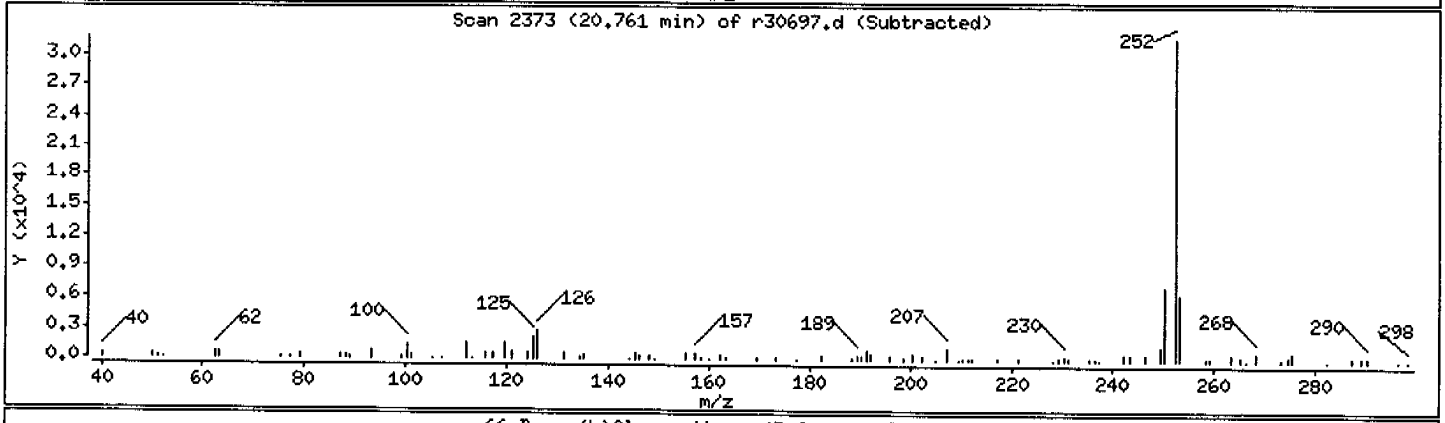
Sample Info: 775273;3280924

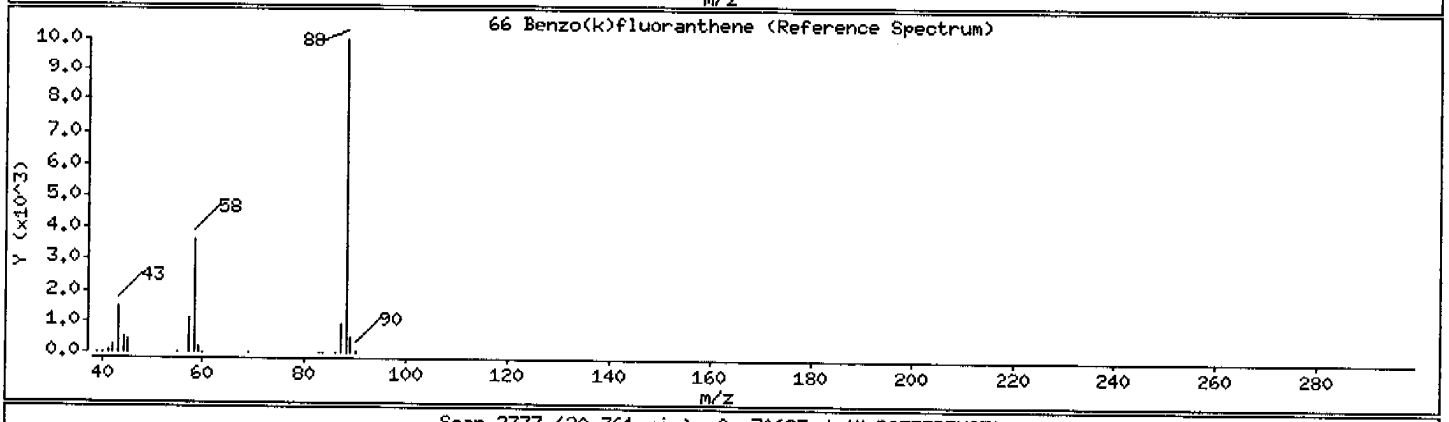
Operator: BNAMS 4

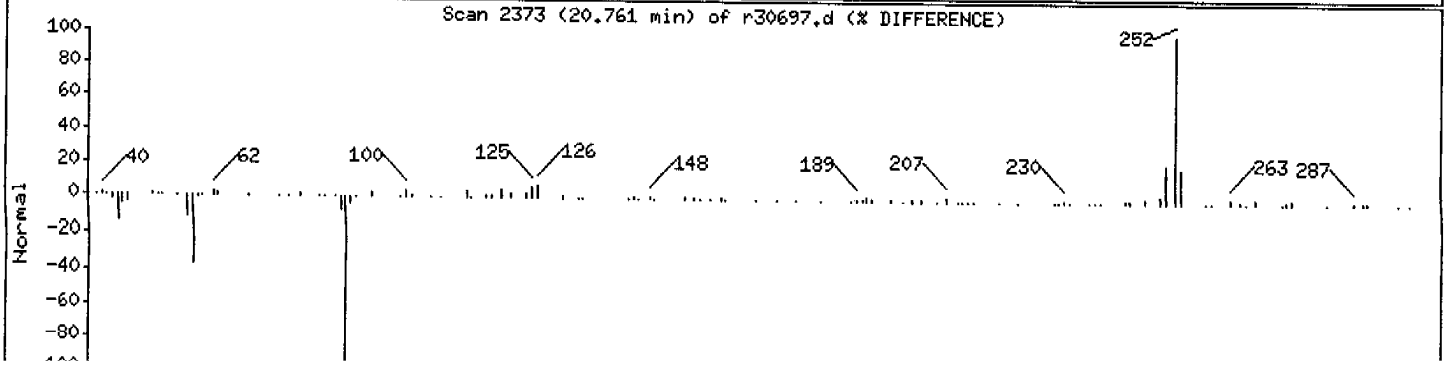
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 1500 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

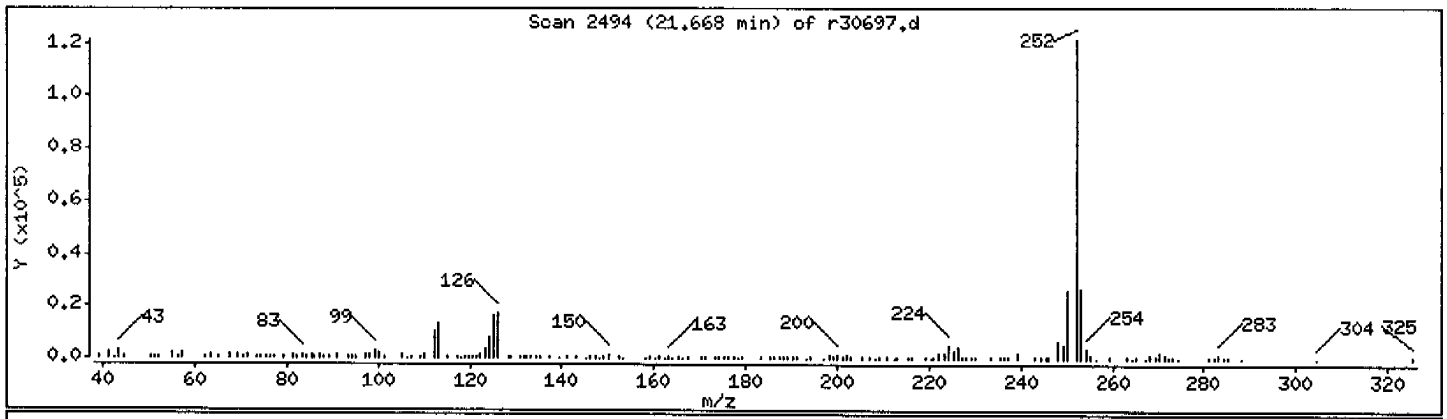
Client ID: B1407-SS02 Instrument: BNAMS1.i

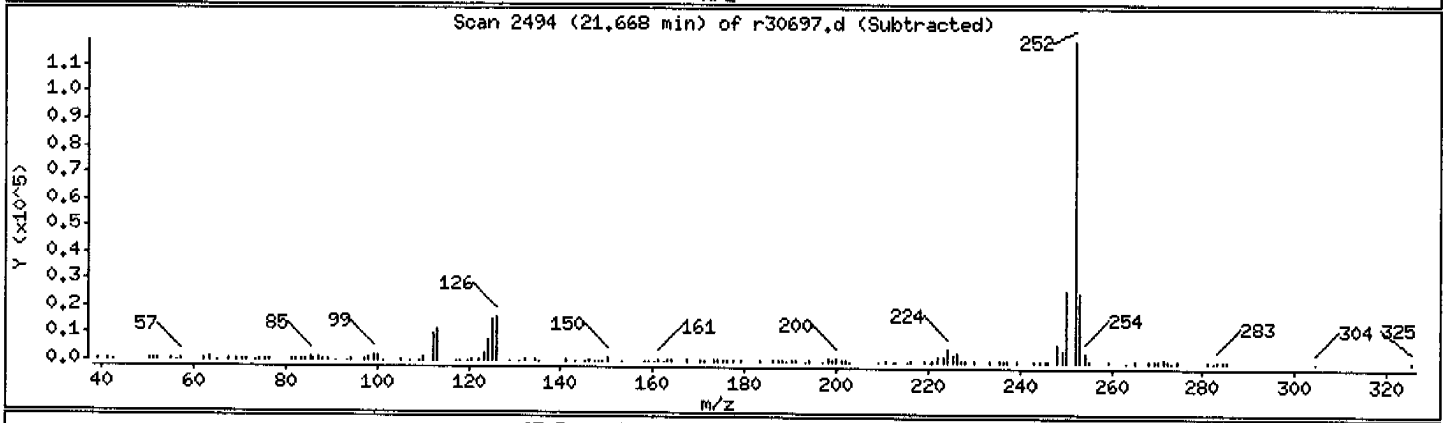
Sample Info: 775273;3280924

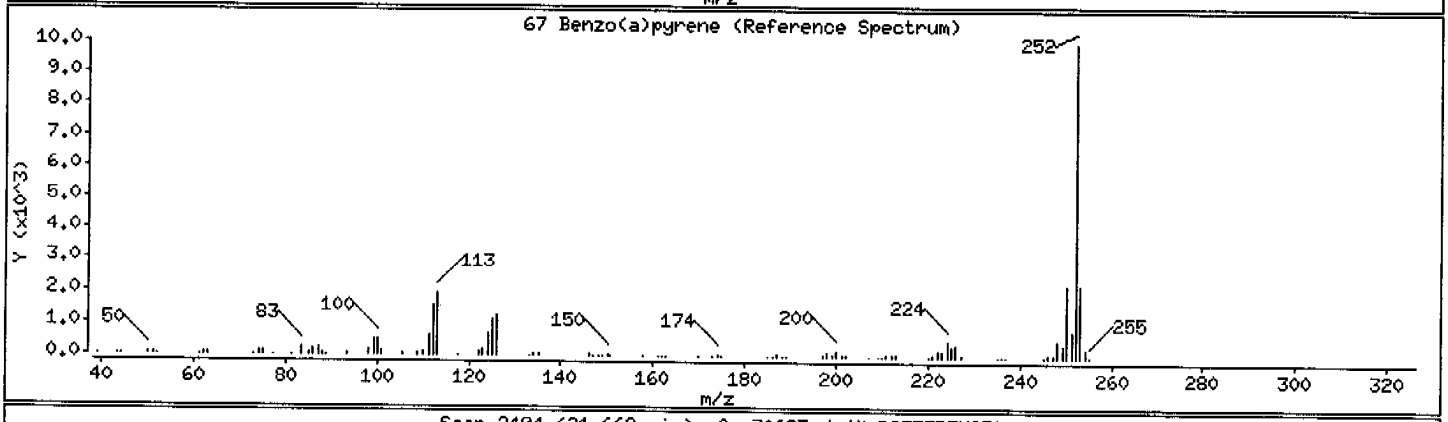
Operator: BNAMS 4

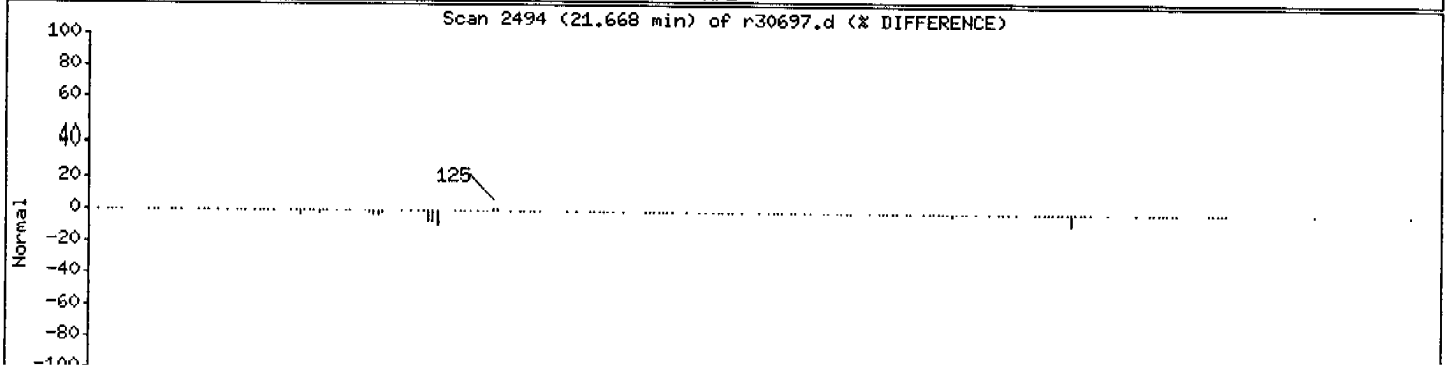
Column phase: DB-5 Column diameter: 0.25

67 Benzo(a)pyrene Concentration: 1700 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

Client ID: B1407-SS02

Instrument: BNAMS1.i

Sample Info: 775273;3280924

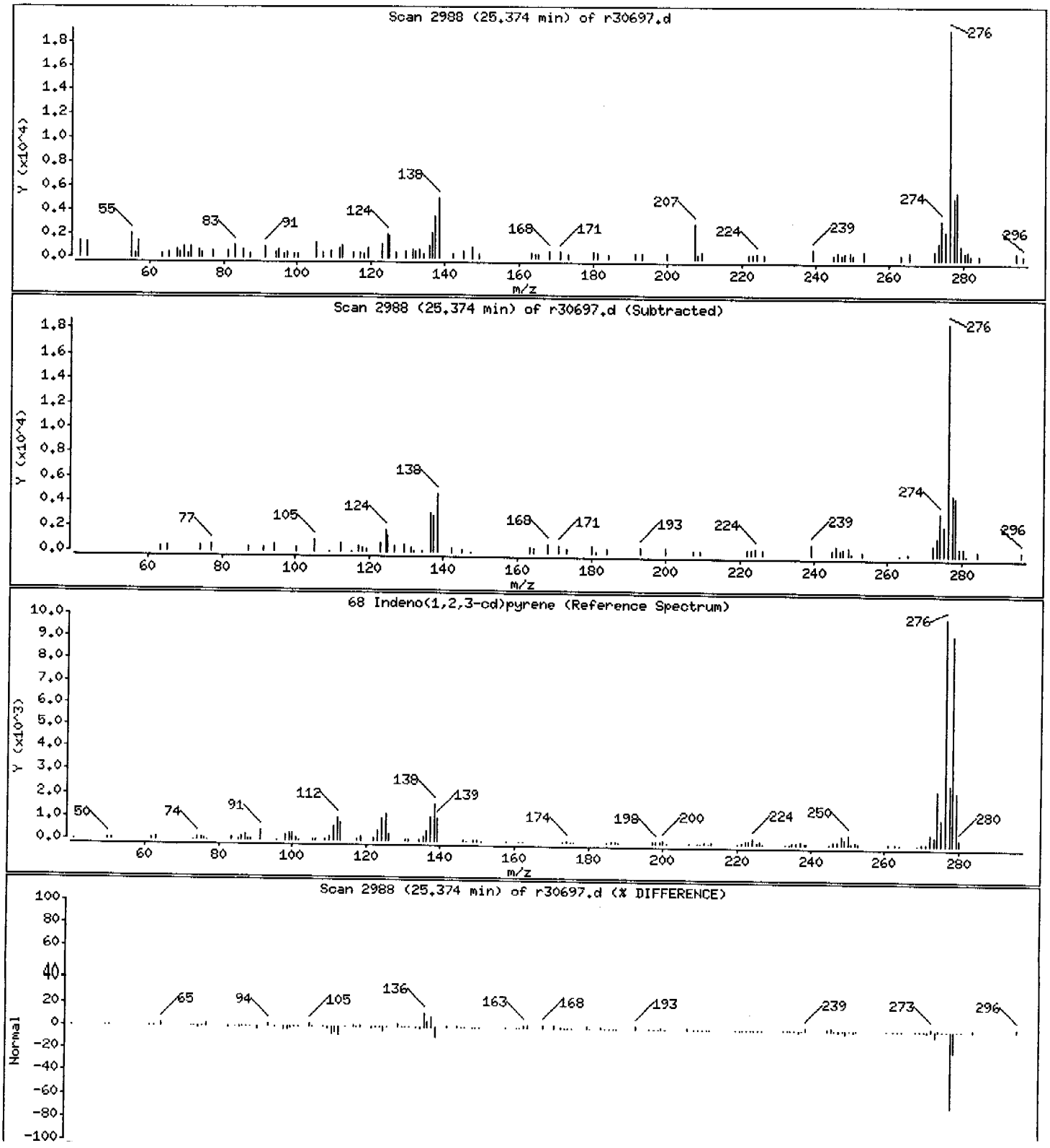
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene

Concentration: 370 ug/Kg



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Date : 06-OCT-2006 16:34

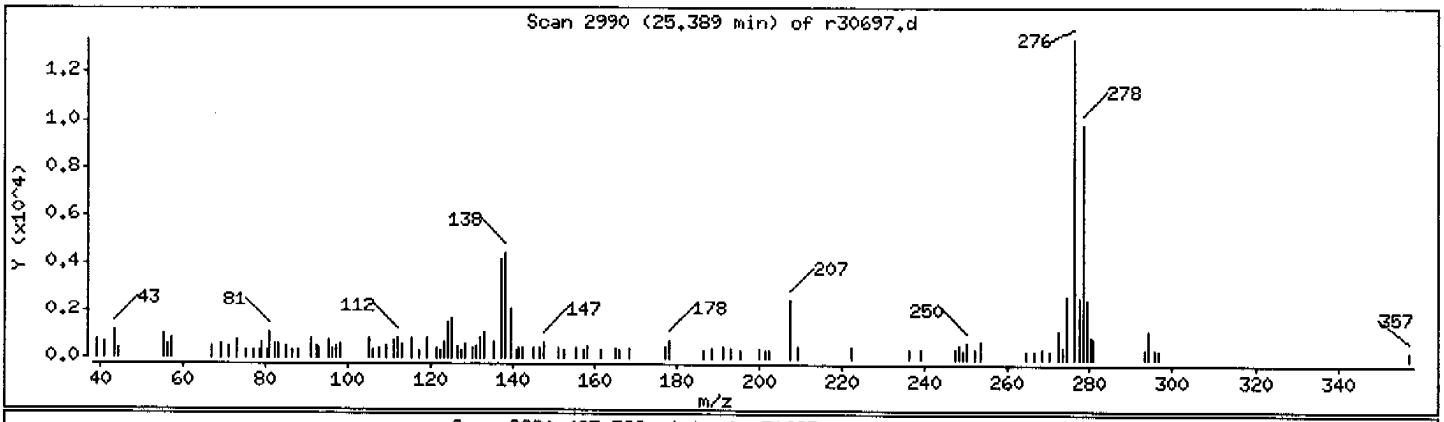
Client ID: B1407-SS02 Instrument: BNAMS1.i

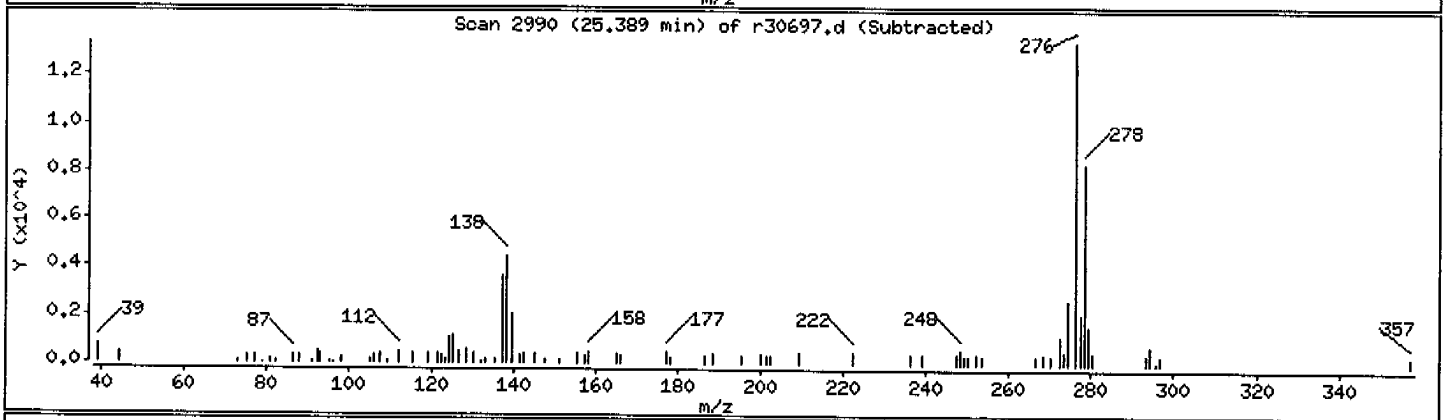
Sample Info: 775273;3280924

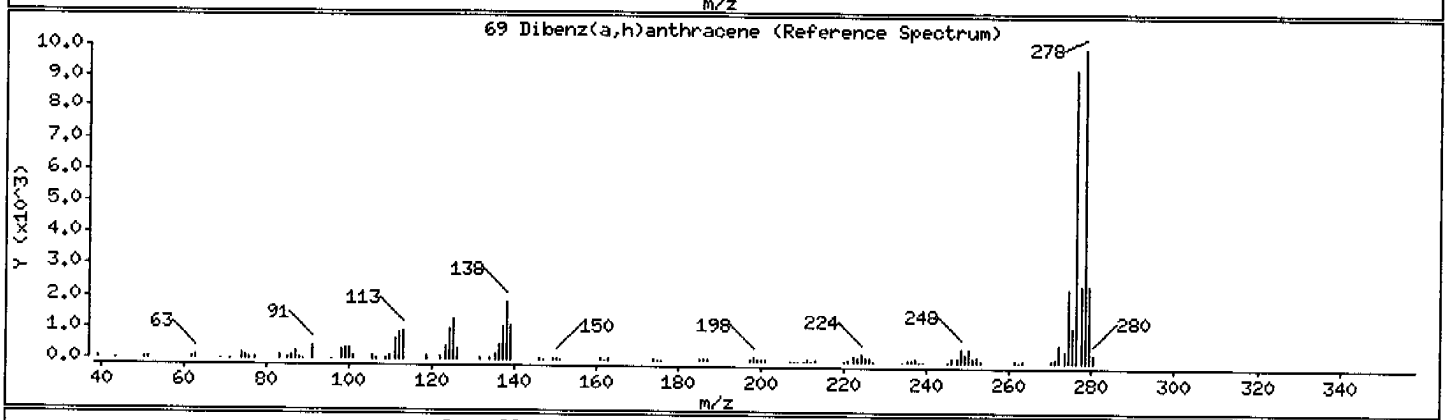
Operator: BNAMS 4

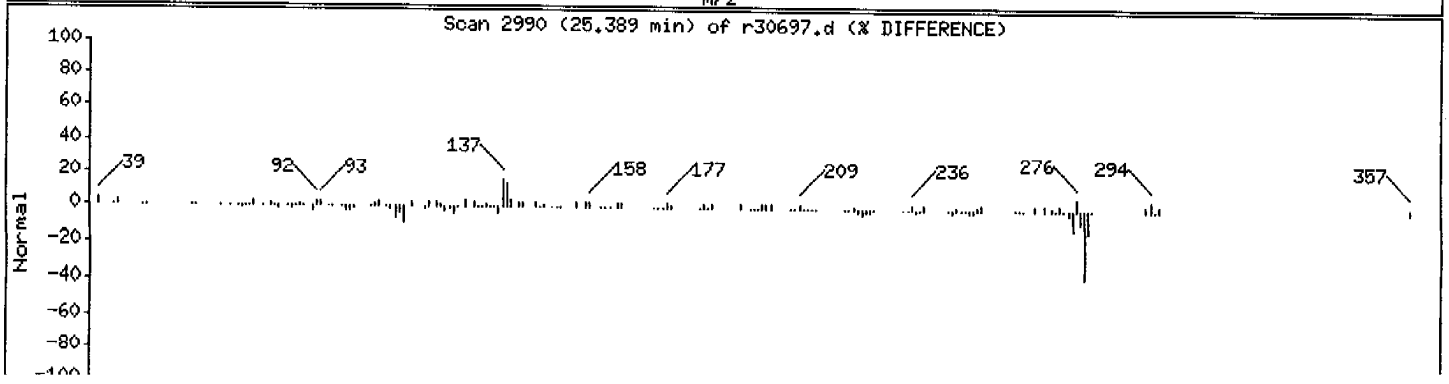
Column phase: DB-5 Column diameter: 0.25

69 Dibenz(a,h)anthracene Concentration: 230 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

Client ID: B1407-SS02

Instrument: BNAMS1.i

Sample Info: 776273;3280924

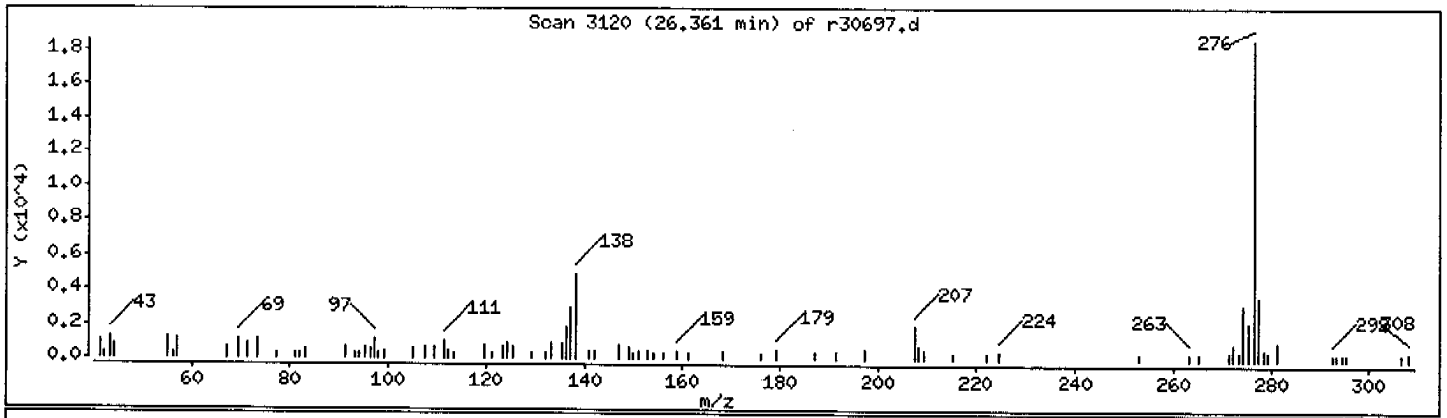
Operator: BNAMS 4

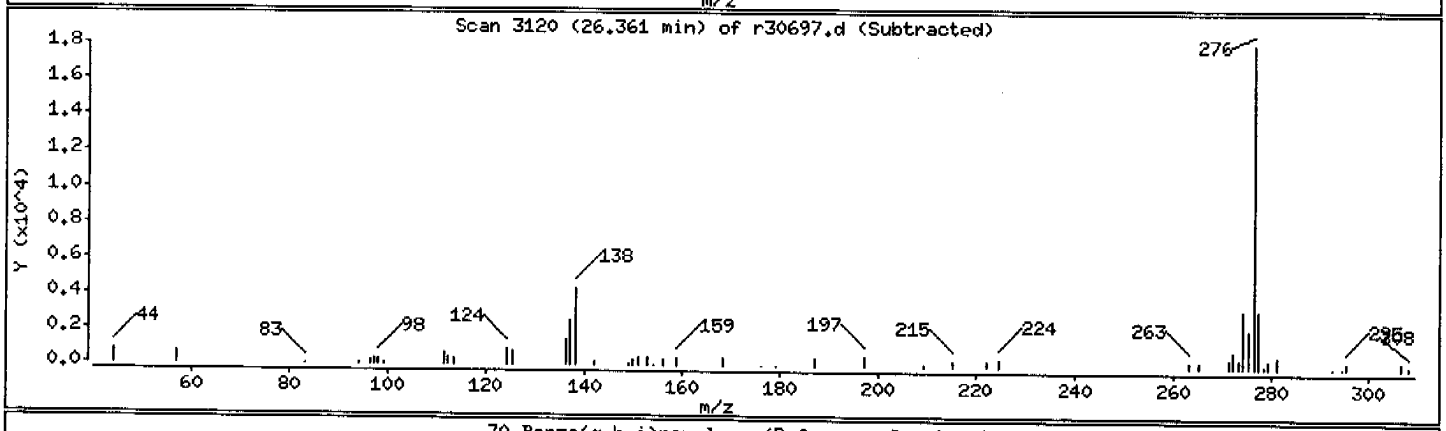
Column phase: DB-5

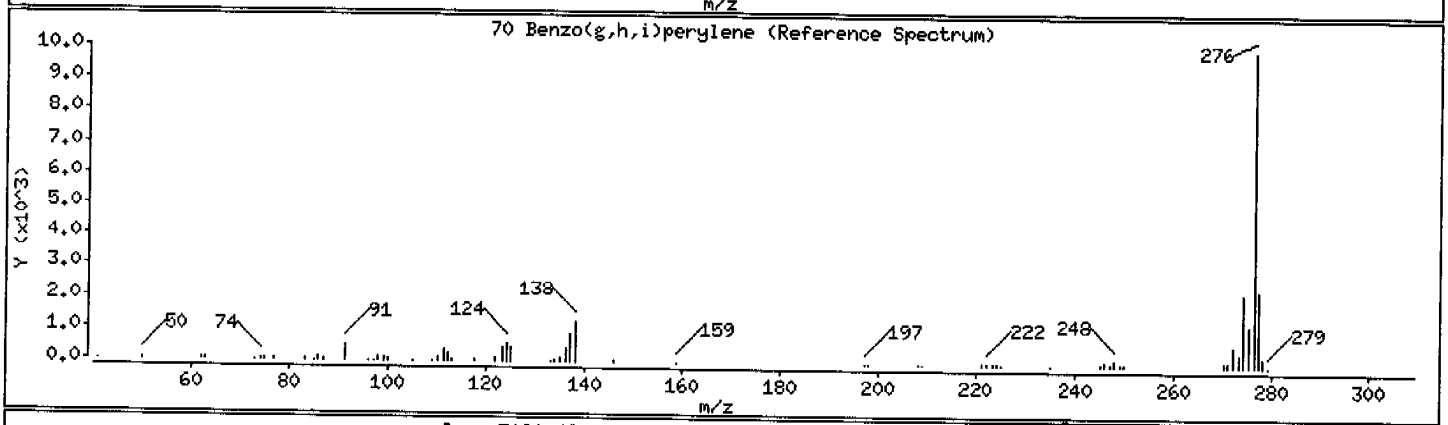
Column diameter: 0.25

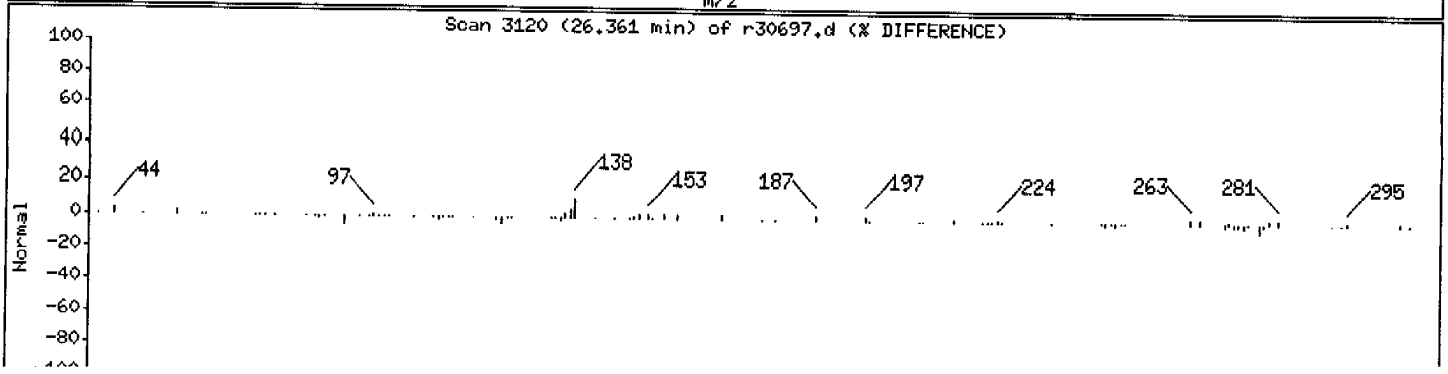
70 Benzo(g,h,i)perylene

Concentration: 420 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

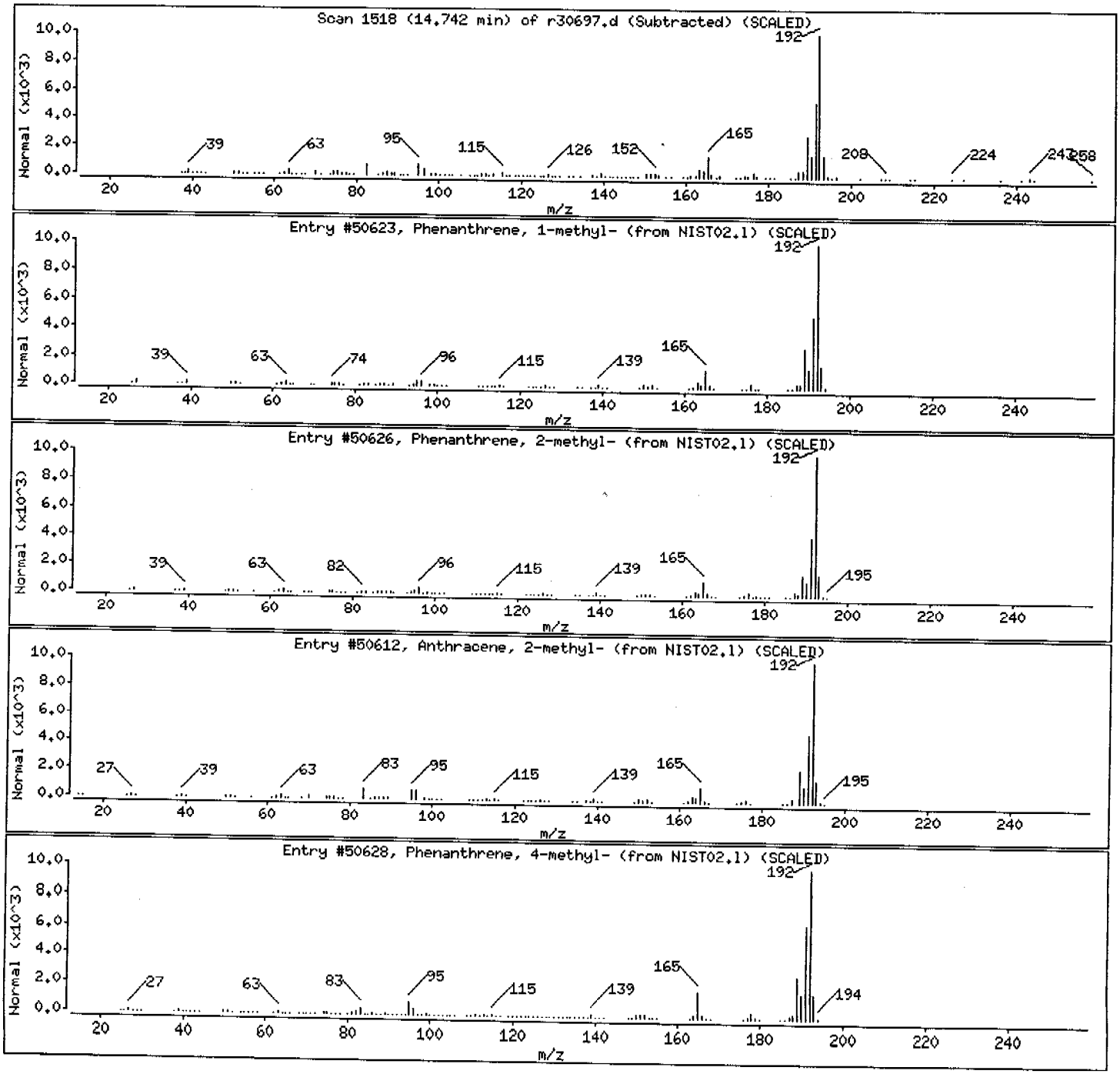
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Phenanthrene, 1-methyl-	832-69-9	NIST02.l	50623	96	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NIST02.l	50626	96	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50612	95	C15H12	192
Phenanthrene, 4-methyl-	832-64-4	NIST02.l	50628	95	C15H12	192



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

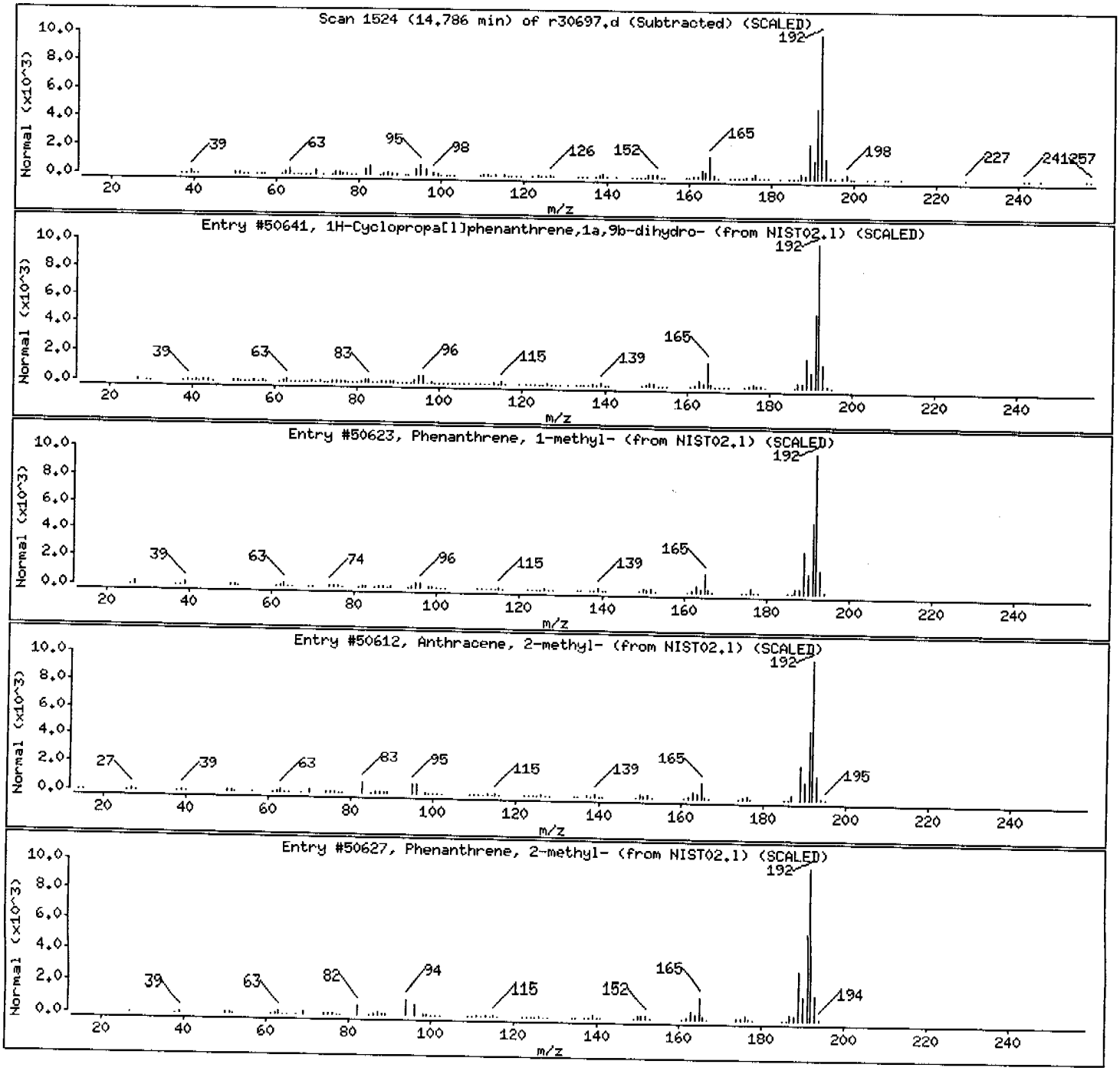
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST02.l	50641	97	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NIST02.l	50623	96	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50612	96	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NIST02.l	50627	95	C15H12	192



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

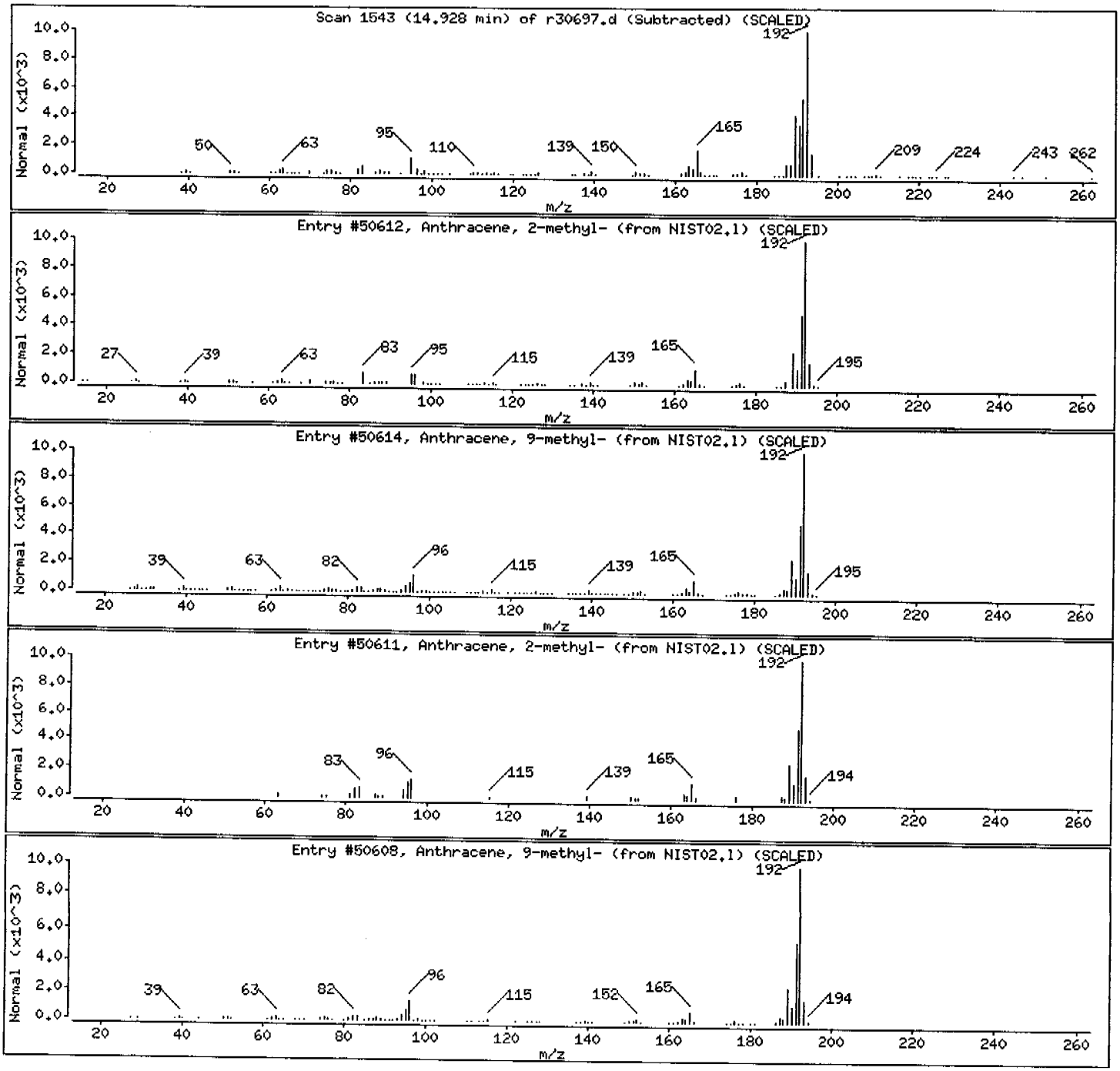
Date : 06-OCT-2006 16:34

Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Anthracene, 2-methyl-	613-12-7	NIST02.l	50612	76	C15H12	192
Anthracene, 9-methyl-	779-02-2	NIST02.l	50614	76	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50611	76	C15H12	192
Anthracene, 9-methyl-	779-02-2	NIST02.l	50608	76	C15H12	192



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

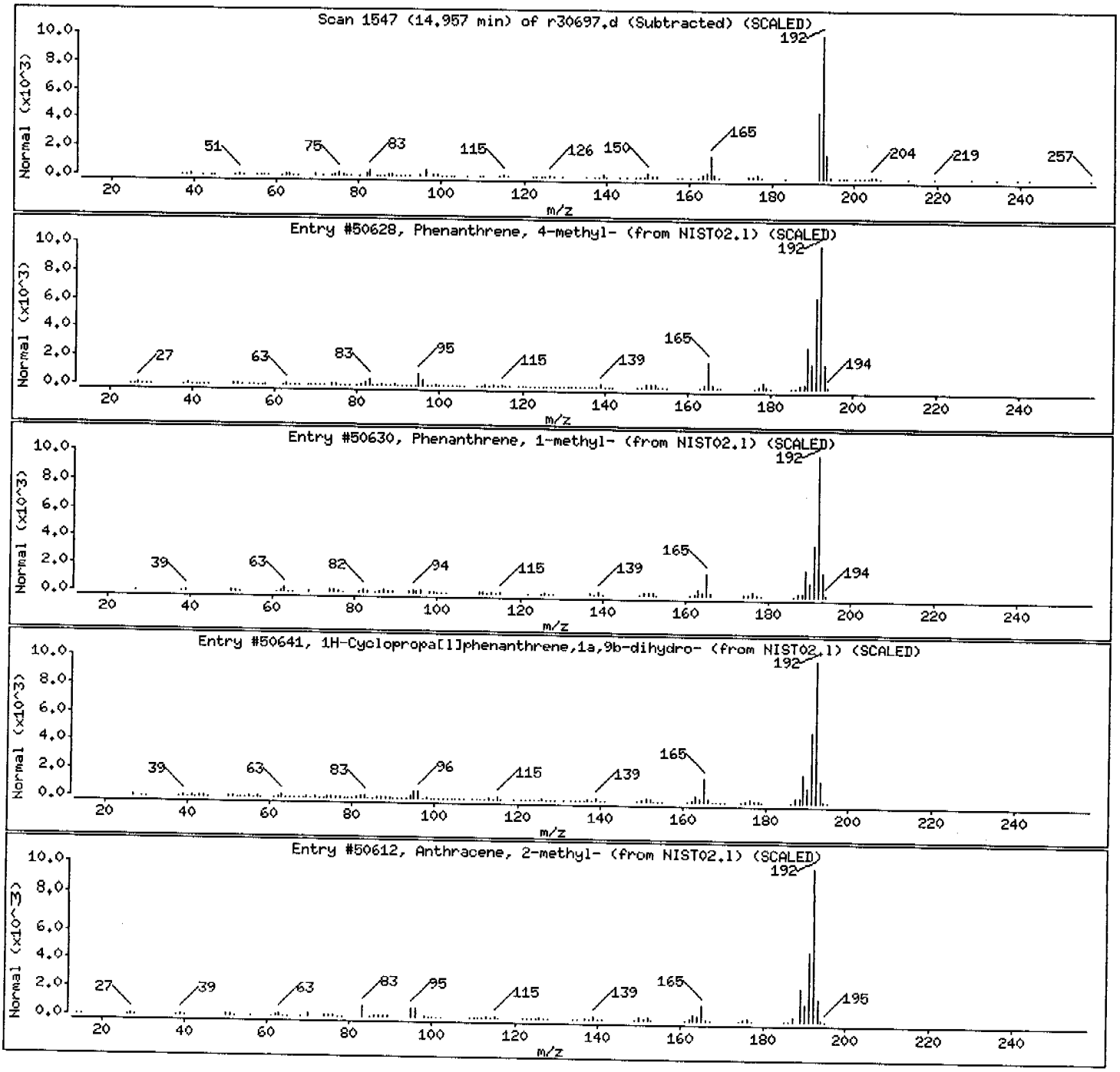
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Phenanthrene, 4-methyl-	832-64-4	NIST02.l	50628	91	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NIST02.l	50630	91	C15H12	192
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST02.l	50641	91	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50612	91	C15H12	192



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

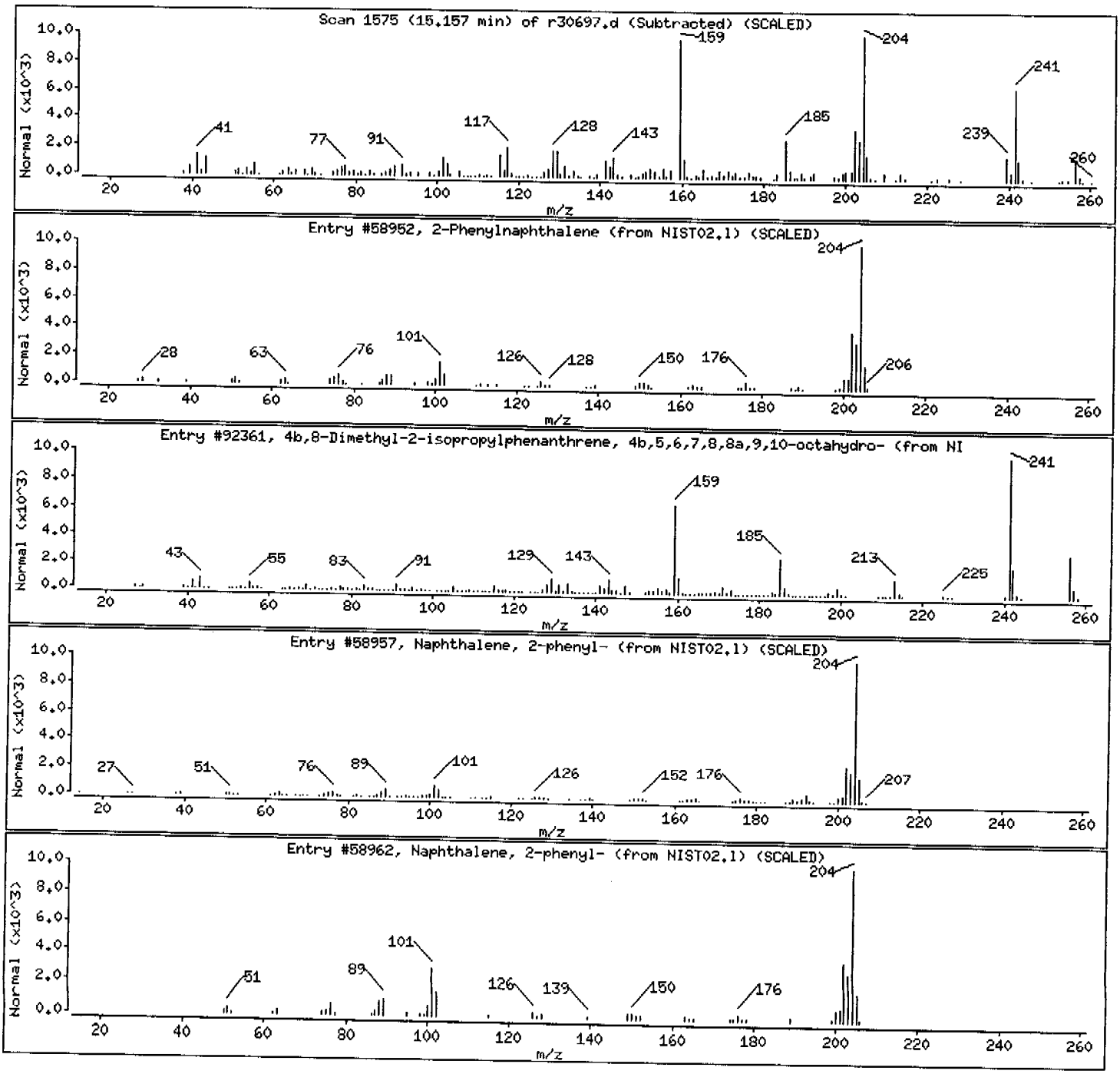
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C16H12 PAH						
2-Phenylnaphthalene	35465-71-5	NIST02.l	58952	64	C16H12	204
4b,8-Dimethyl-2-isopropylphenanthrene, 4	1000197-14-1	NIST02.l	92361	59	C19H28	256
Naphthalene, 2-phenyl-	612-94-2	NIST02.l	58957	50	C16H12	204
Naphthalene, 2-phenyl-	612-94-2	NIST02.l	58962	43	C16H12	204



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

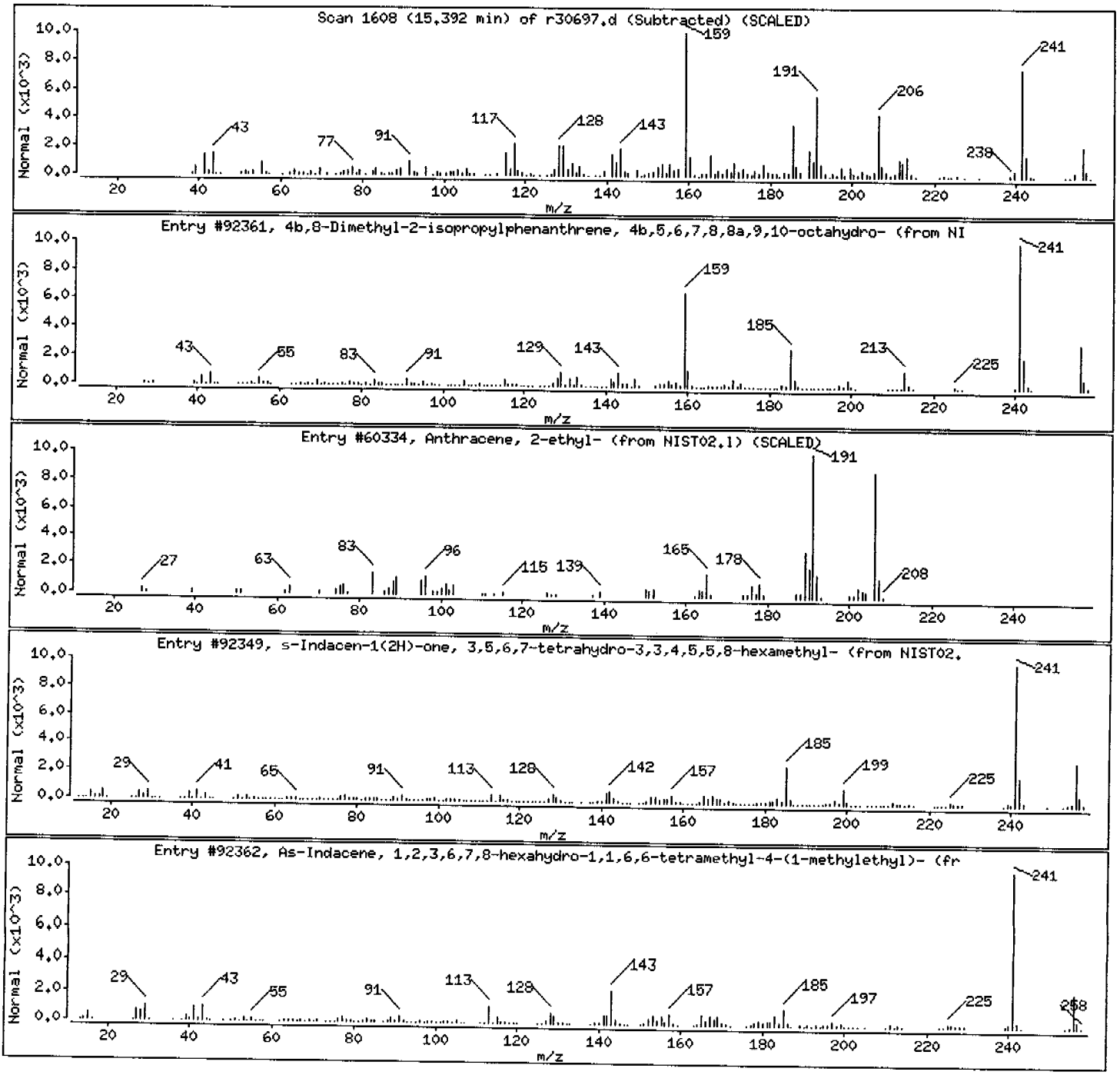
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4b,8-Dimethyl-2-isopropylphenanthrene, 4	1000197-14-1	NIST02.l	92361	92	C19H28	256
Anthracene, 2-ethyl-	52251-71-5	NIST02.l	60334	42	C16H14	206
s-Indacen-1(2H)-one, 3,5,6,7-tetrahydro-	38754-94-8	NIST02.l	92349	35	C18H240	256
As-Indacene, 1,2,3,6,7,8-hexahydro-1,1,6	17465-47-3	NIST02.l	92362	30	C19H28	256



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

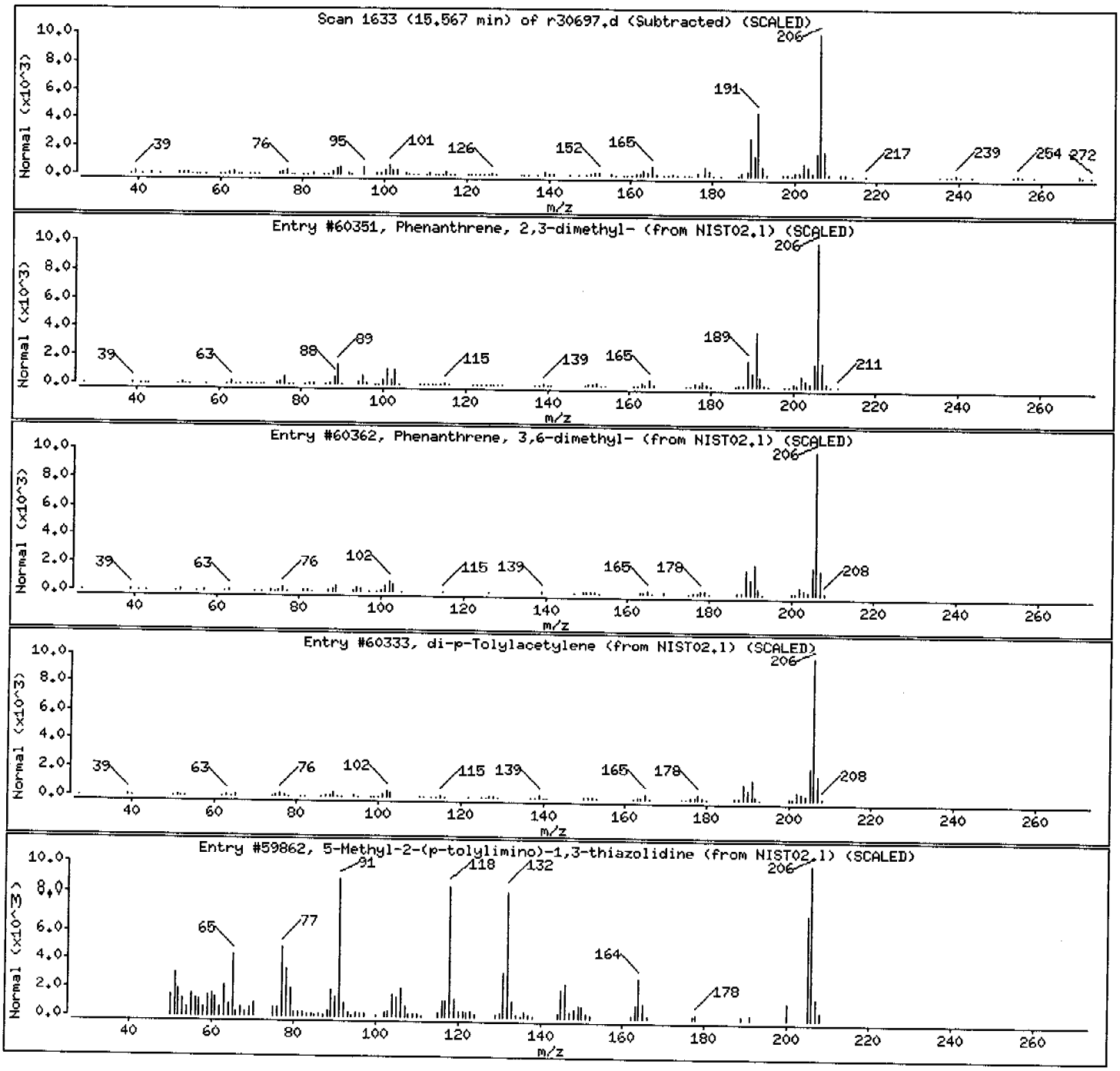
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C16H14 PAH						
Phenanthrene, 2,3-dimethyl-	3674-65-5	NIST02.l	60351	94	C16H14	206
Phenanthrene, 3,6-dimethyl-	1576-67-6	NIST02.l	60362	91	C16H14	206
di-p-Tolylacetylene	2789-88-0	NIST02.l	60333	90	C16H14	206
5-Methyl-2-(p-tolylimino)-1,3-thiazolidi	70446-87-6	NIST02.l	59862	87	C11H14N2S	206



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

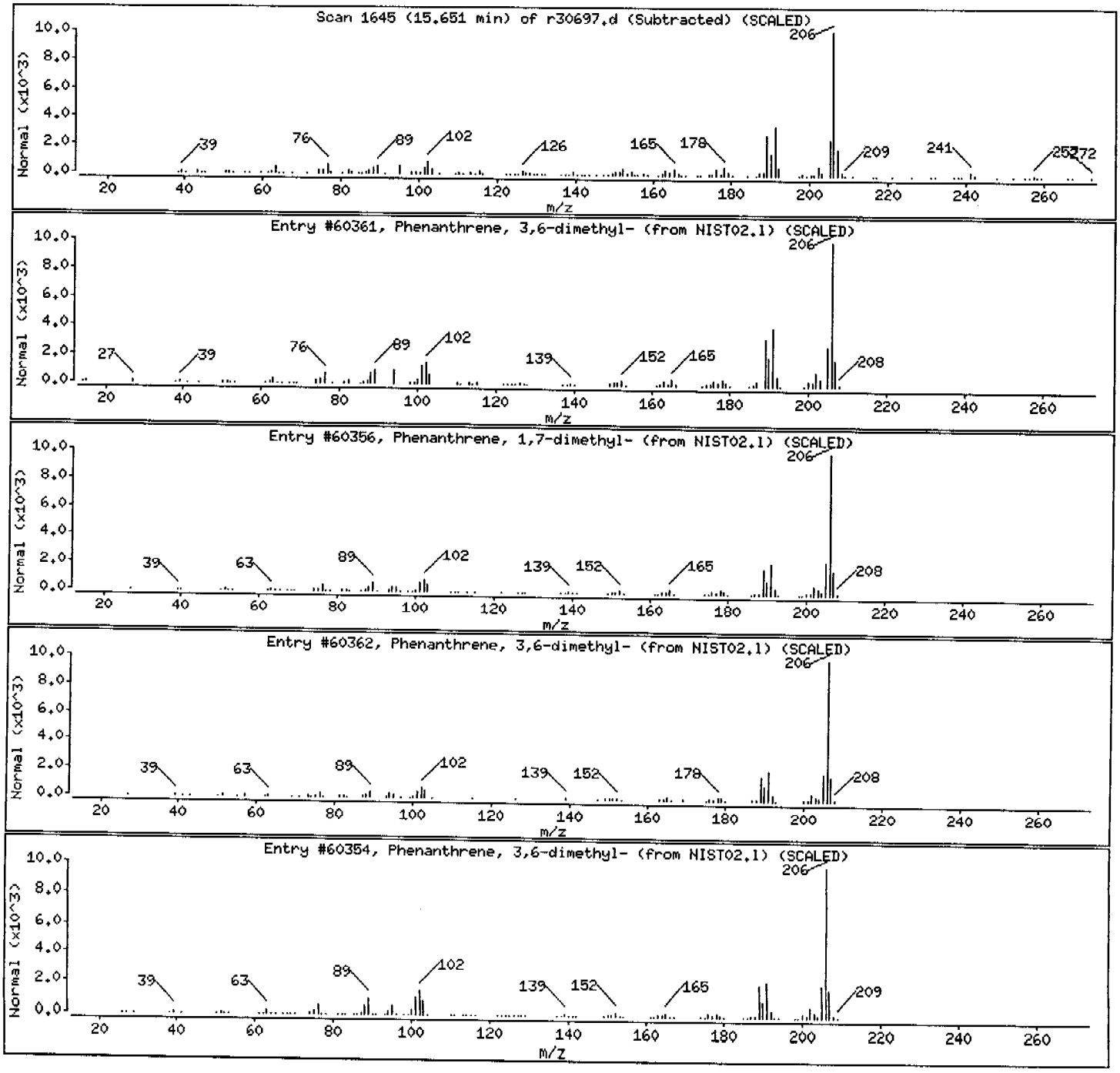
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C16H14 PAH						
Phenanthrene, 3,6-dimethyl-	1576-67-6	NIST02.l	60361	94	C16H14	206
Phenanthrene, 1,7-dimethyl-	483-87-4	NIST02.l	60356	94	C16H14	206
Phenanthrene, 3,6-dimethyl-	1576-67-6	NIST02.l	60362	94	C16H14	206
Phenanthrene, 3,6-dimethyl-	1576-67-6	NIST02.l	60354	91	C16H14	206



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Date : 06-OCT-2006 16:34

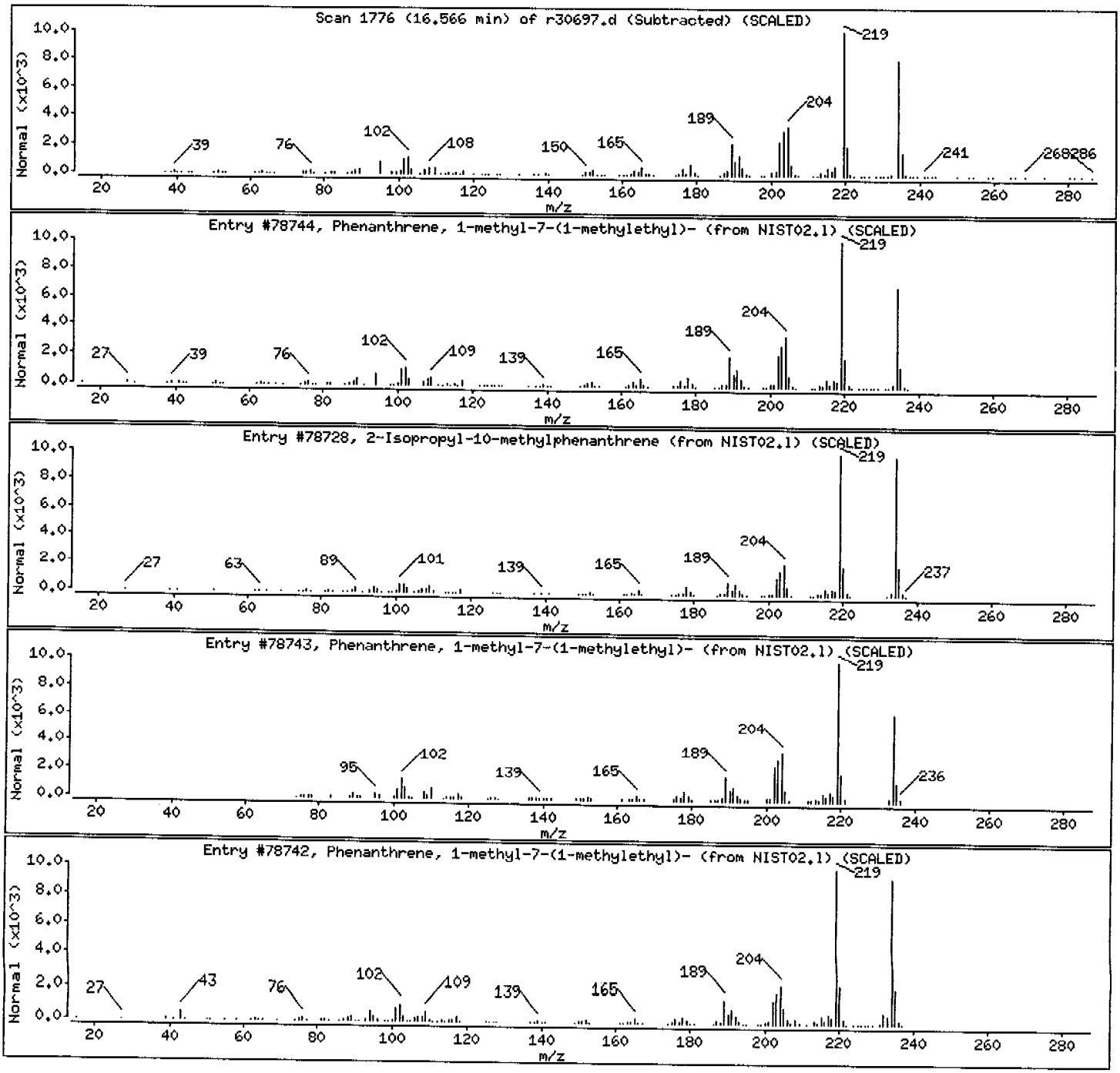
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Phenanthrene, 1-methyl-7-(1-methylethyl)	483-65-8	NIST02.l	78744	99	C18H18	234
2-Isopropyl-10-methylphenanthrene	66552-97-4	NIST02.l	78728	95	C18H18	234
Phenanthrene, 1-methyl-7-(1-methylethyl)	483-65-8	NIST02.l	78743	94	C18H18	234
Phenanthrene, 1-methyl-7-(1-methylethyl)	483-65-8	NIST02.l	78742	91	C18H18	234



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Date : 06-OCT-2006 16:34

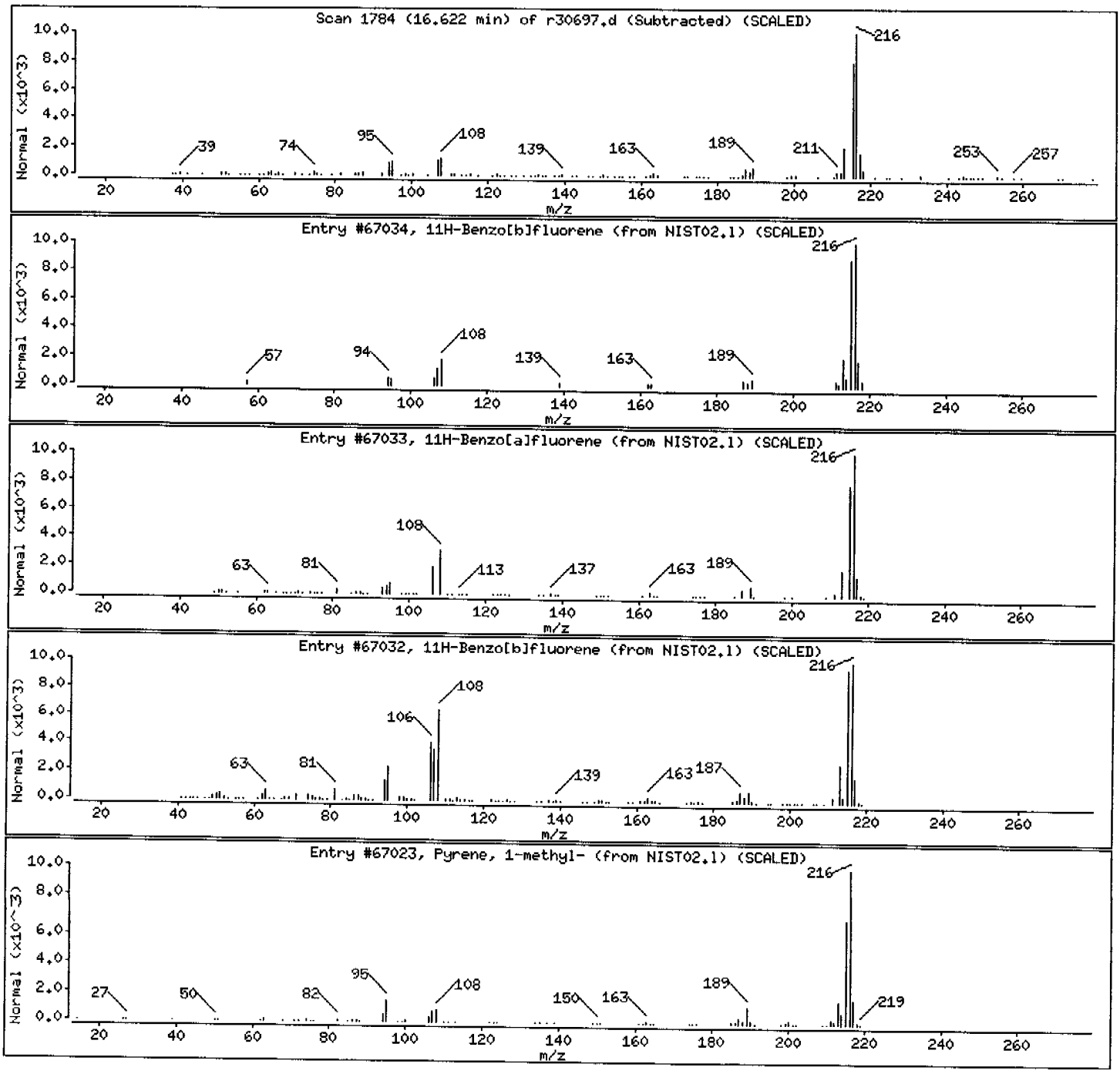
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
11H-Benzo[b]fluorene	243-17-4	NIST02.l	67034	94	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67033	91	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST02.l	67032	90	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	90	C17H12	216



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30697.d

Date : 06-OCT-2006 16:34

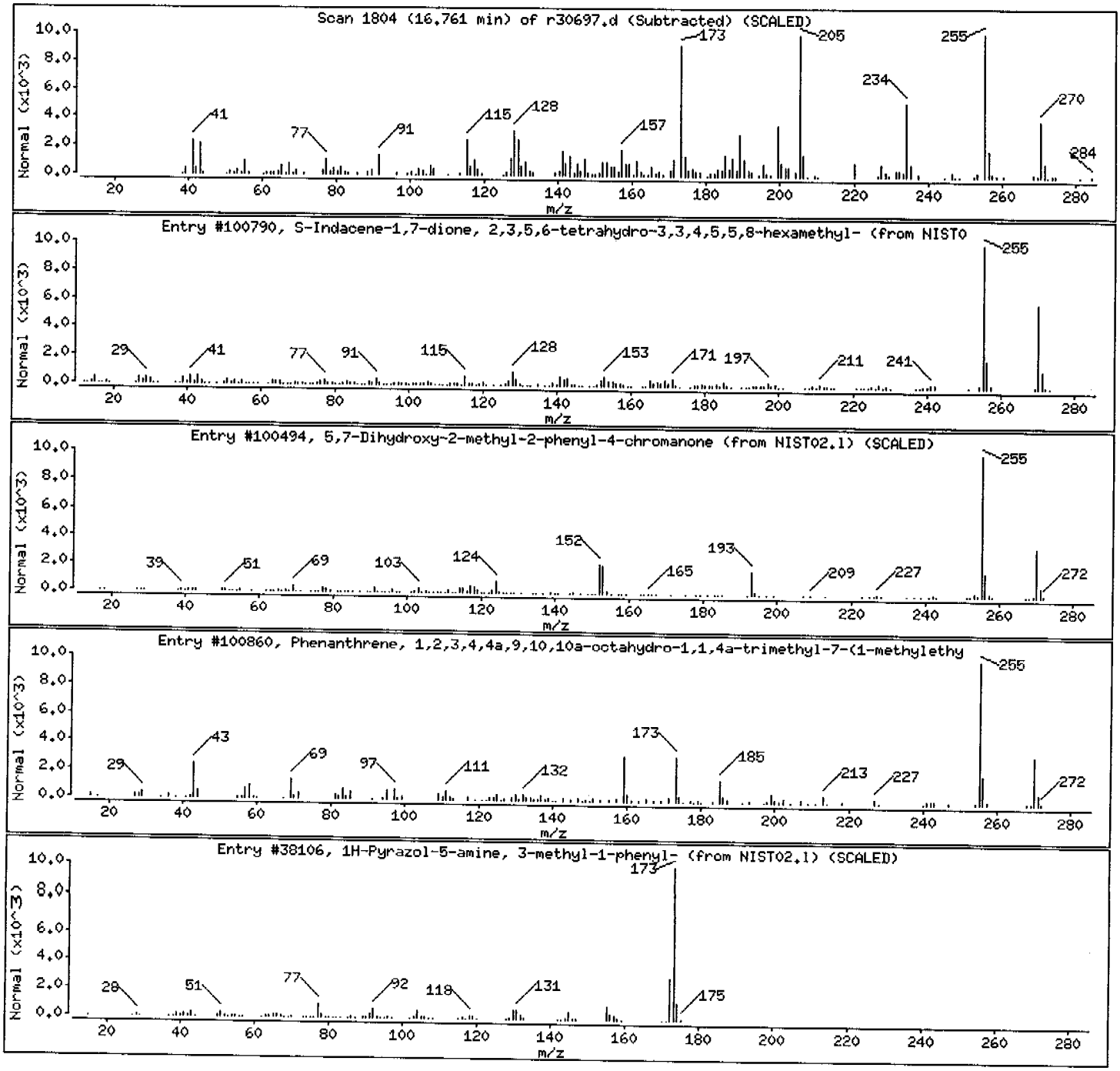
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273:3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5-Indacene-1,7-dione, 2,3,5,6-tetrahydro	55591-16-7	NIST02.1	100790	62	C18H2202	270
5,7-Dihydroxy-2-methyl-2-phenyl-4-chroma	108838-42-2	NIST02.1	100494	35	C16H1404	270
Phenanthrene, 1,2,3,4,4a,9,10,10a-octahy	19407-28-4	NIST02.1	100860	25	C20H30	270
1H-Pyrazol-5-amine, 3-methyl-1-phenyl-	1131-18-6	NIST02.1	38106	25	C10H11N3	173



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Date : 06-OCT-2006 16:34

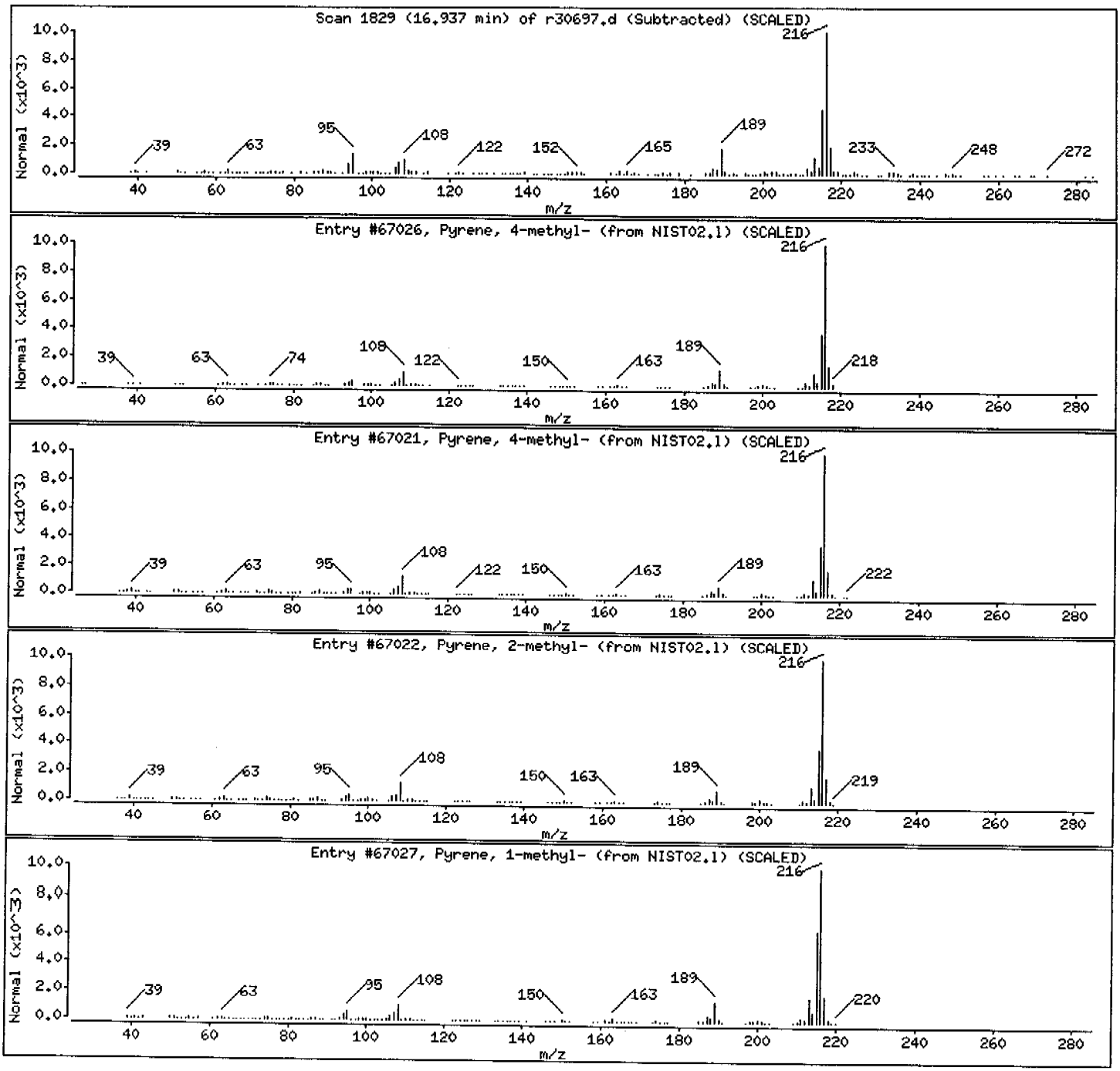
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273:3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 4-methyl-	3353-12-6	NIST02.l	67026	97	C17H12	216
Pyrene, 4-methyl-	3353-12-6	NIST02.l	67021	91	C17H12	216
Pyrene, 2-methyl-	3442-78-2	NIST02.l	67022	91	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67027	91	C17H12	216



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Date : 06-OCT-2006 16:34

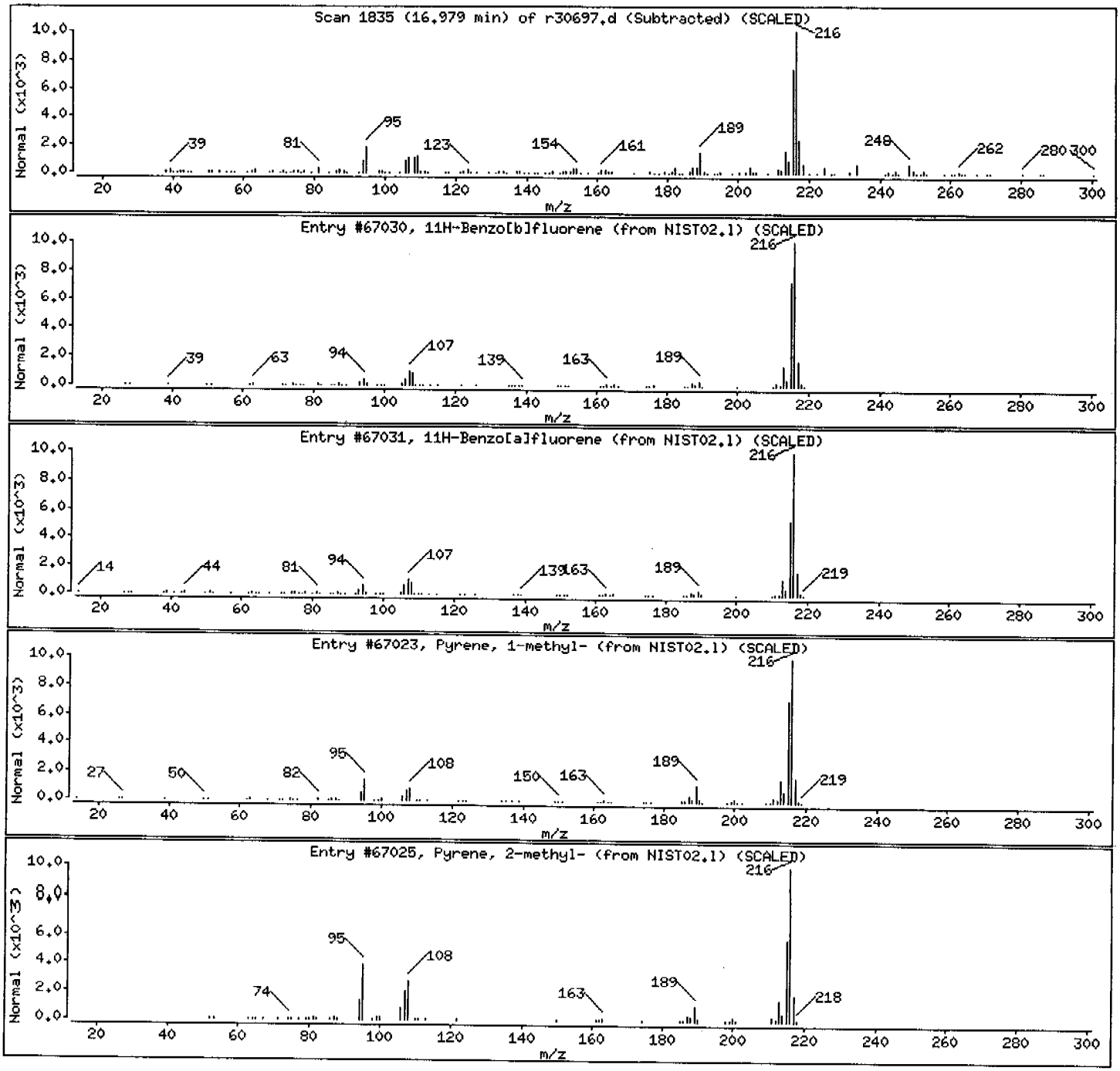
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
11H-Benzo[b]fluorene	243-17-4	NIST02.l	67030	94	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67031	93	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	93	C17H12	216
Pyrene, 2-methyl-	3442-78-2	NIST02.l	67025	93	C17H12	216



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Date : 06-OCT-2006 16:34

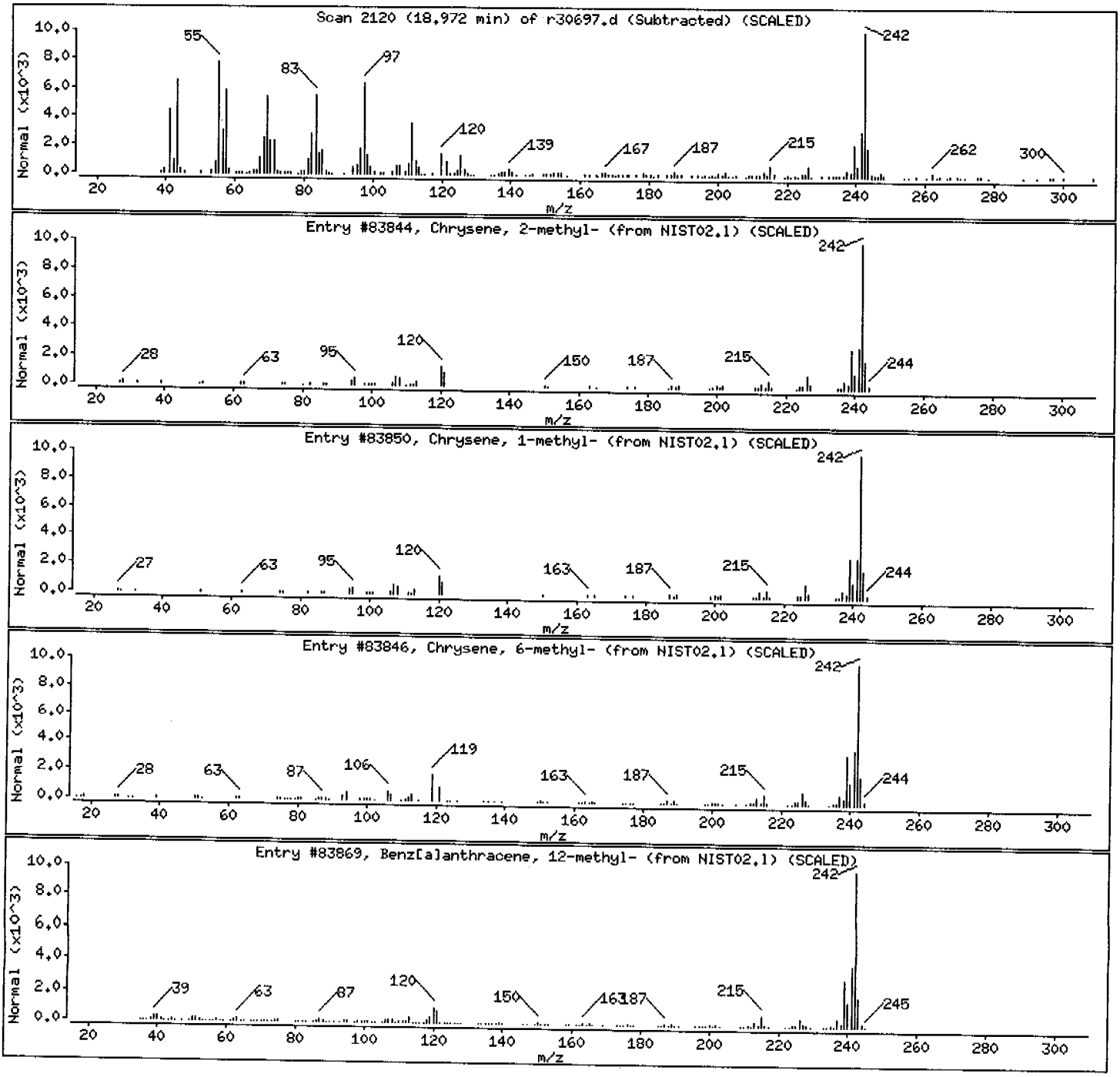
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273;3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C19H14 PAH						
Chrysene, 2-methyl-	3351-32-4	NIST02.l	83844	95	C19H14	242
Chrysene, 1-methyl-	3351-28-8	NIST02.l	83850	95	C19H14	242
Chrysene, 6-methyl-	1705-85-7	NIST02.l	83846	95	C19H14	242
Benz[a]anthracene, 12-methyl-	2422-79-9	NIST02.l	83869	95	C19H14	242



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Date : 06-OCT-2006 16:34

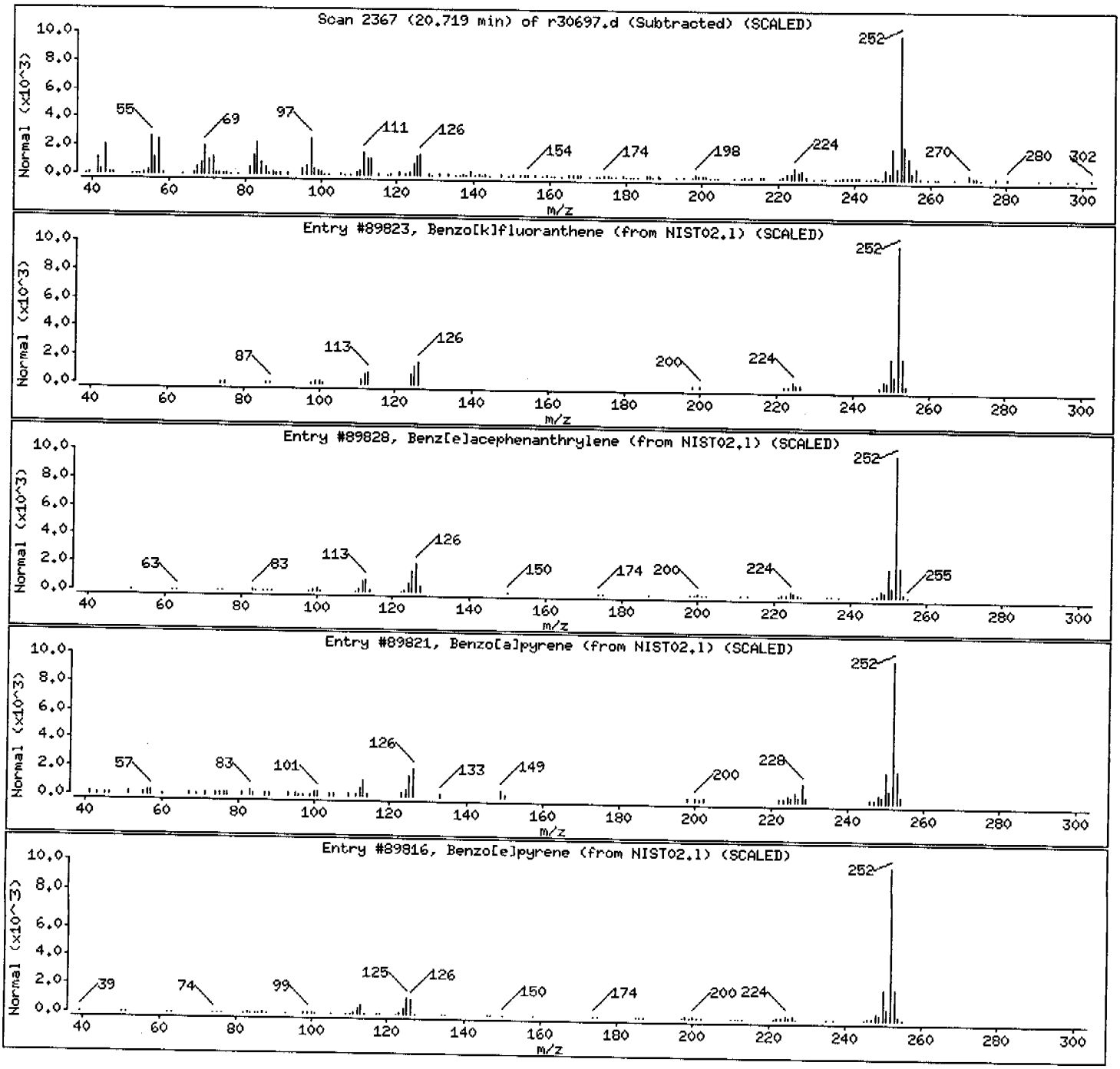
Client ID: B1407-SS02 Instrument: BNAMS1.i

Sample Info: 775273:3280924

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[k]fluoranthene	207-08-9	NIST02.l	89823	96	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89828	93	C20H12	252
Benzo[a]pyrene	50-32-8	NIST02.l	89821	92	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	70	C20H12	252



Client ID: **B1407-SS03**
Site: Sun Chemical SI

Lab Sample No: **775274**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30886.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	370
1,3-Dichlorobenzene	ND	3700
1,4-Dichlorobenzene	ND	3700
1,2-Dichlorobenzene	ND	3700
bis(2-chloroisopropyl)ether	ND	3700
N-Nitroso-di-n-propylamine	ND	370
Hexachloroethane	ND	370
Nitrobenzene	ND	370
Isophorone	ND	3700
bis(2-Chloroethoxy)methane	ND	3700
1,2,4-Trichlorobenzene	ND	370
Naphthalene	ND	3700
4-Chloroaniline	ND	3700
Hexachlorobutadiene	ND	750
2-Methylnaphthalene	ND	3700
Hexachlorocyclopentadiene	ND	3700
2-Chloronaphthalene	ND	3700
2-Nitroaniline	ND	7500
Dimethylphthalate	ND	3700
Acenaphthylene	ND	3700
2,6-Dinitrotoluene	ND	750
3-Nitroaniline	ND	7500
Acenaphthene	ND	3700
Dibenzofuran	ND	3700
2,4-Dinitrotoluene	ND	750
Diethylphthalate	ND	3700
4-Chlorophenyl-phenylether	ND	3700
Fluorene	ND	3700
4-Nitroaniline	ND	7500
N-Nitrosodiphenylamine	ND	3700
4-Bromophenyl-phenylether	ND	3700
Hexachlorobenzene	ND	370
Phenanthrene	ND	3700
Anthracene	ND	3700

Client ID: **B1407-SS03**
Site: Sun Chemical SI

Lab Sample No: **775274**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30886.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	3700
Di-n-butylphthalate	ND	3700
Fluoranthene	ND	3700
Pyrene	ND	3700
Butylbenzylphthalate	ND	3700
3,3'-Dichlorobenzidine	ND	7500
Benzo(a)anthracene	ND	370
Chrysene	ND	3700
bis(2-Ethylhexyl)phthalate	40000	3700
Di-n-octylphthalate	ND	3700
Benzo(b)fluoranthene	ND	370
Benzo(k)fluoranthene	ND	370
Benzo(a)pyrene	ND	370
Indeno(1,2,3-cd)pyrene	ND	370
Dibenz(a,h)anthracene	ND	370
Benzo(g,h,i)perylene	ND	3700

Client ID: **B1407-SS03**
Site: Sun Chemical SI

Lab Sample No: **775274**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30886.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0
% Moisture: 10.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30886.d
Report Date: 20-Oct-2006 14:48

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30886.d
Lab Smp Id: 775274 Client Smp ID: B1407-SS03
Inj Date : 20-OCT-2006 11:44
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775274;3280941
Misc Info : X924;SB291;QA4704
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/20oct06.b/8270C6-1.m
Meth Date : 20-Oct-2006 14:45 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 4
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	10.70000	% Moisture

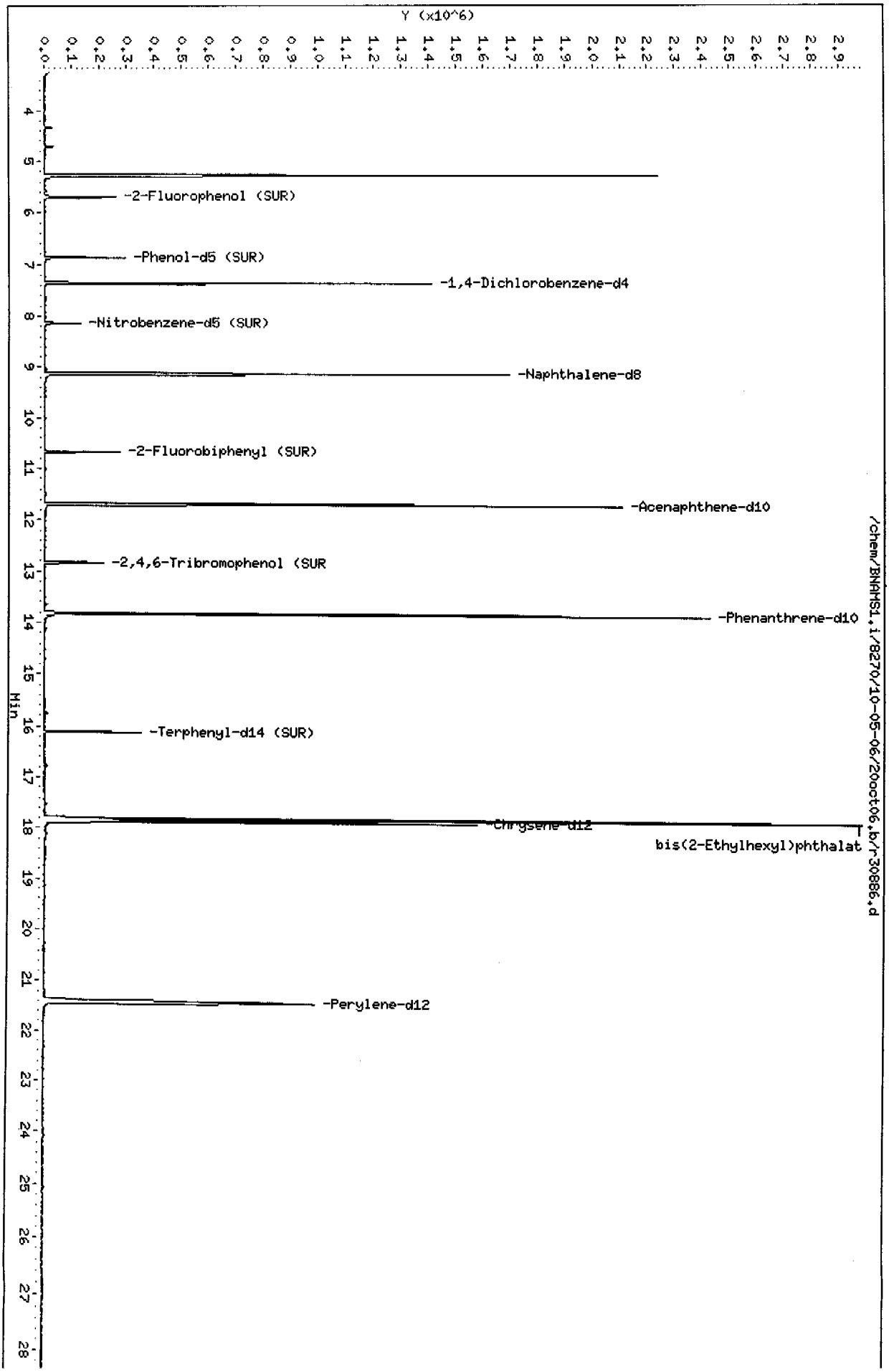
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.696	5.691	(0.776)	91710	8.31617	6200
$	17 Phenol-d5 (SUR)	99	6.870	6.875	(0.936)	134280	9.79527	7300
*	79 1,4-Dichlorobenzene-d4	152	7.343	7.345	(1.000)	294457	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.136	8.149	(0.891)	48346	4.29216	3200(a)
*	80 Naphthalene-d8	136	9.129	9.132	(1.000)	1098904	40.0000	
$	77 2-Fluorobiphenyl (SUR)	172	10.673	10.685	(0.913)	103853	4.41181	3300(a)
*	82 Acenaphthene-d10	164	11.688	11.687	(1.000)	790147	40.0000	
$	18 2,4,6-Tribromophenol (SUR)	330	12.843	12.849	(1.099)	34242	7.88045	5900
*	83 Phenanthrene-d10	188	13.822	13.826	(1.000)	1275852	40.0000	
$	78 Terphenyl-d14 (SUR)	244	16.109	16.123	(0.901)	142593	5.85055	4400
	63 bis(2-Ethylhexyl)phthalate	149	17.815	17.813	(0.997)	1567429	53.8531	40000
*	81 Chrysene-d12	240	17.875	17.889	(1.000)	1109219	40.0000	
*	84 Perylene-d12	264	21.431	21.442	(1.000)	1086316	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30886.d
Report Date: 20-Oct-2006 14:48

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).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Date : 20-OCT-2006 11:44
Client ID: E1407-SS03
Sample Info: 775274;3280941
Column phase: DB-5
Instrument: BNAHS1.i
Operator: BNAHS 4
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
bis(2-Ethylhexyl)phthalat
-Perylene-d12
/chem/BNAHS1.i/8270/10-05-06/20oct06.b/r30886.d

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30886.d

Date : 20-OCT-2006 11:44

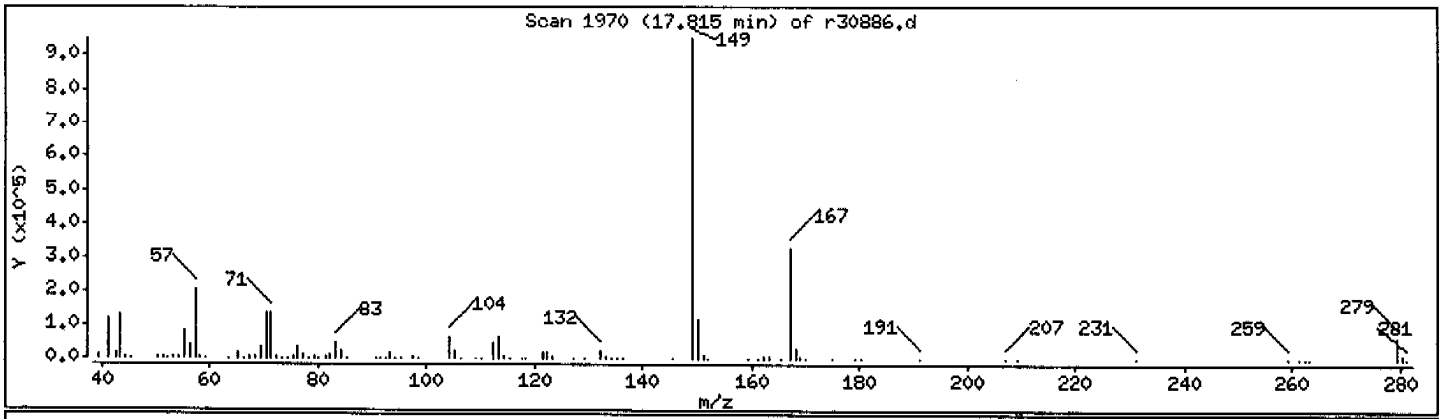
Client ID: B1407-SS03 Instrument: BNAMS1.i

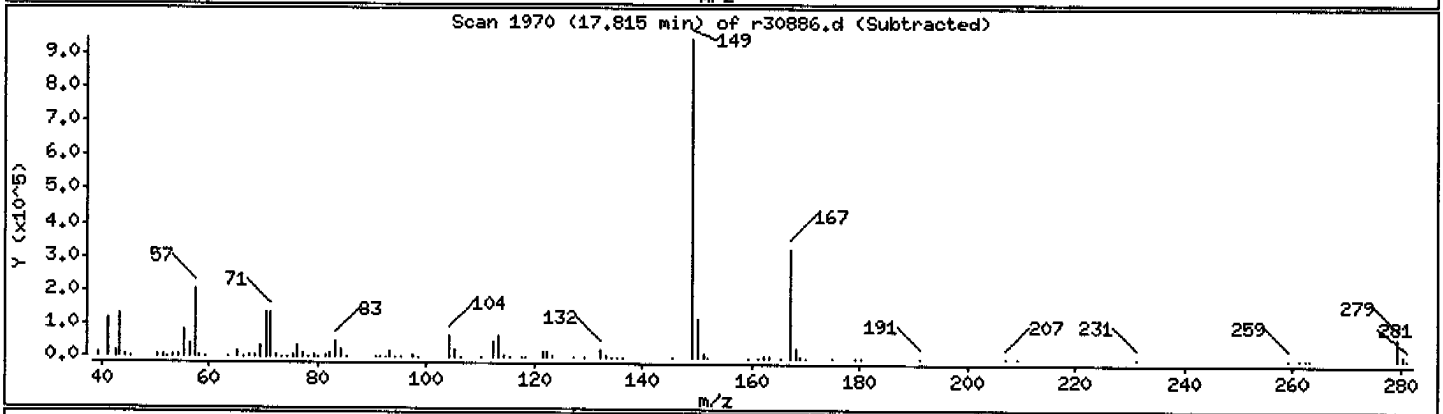
Sample Info: 775274;3280941

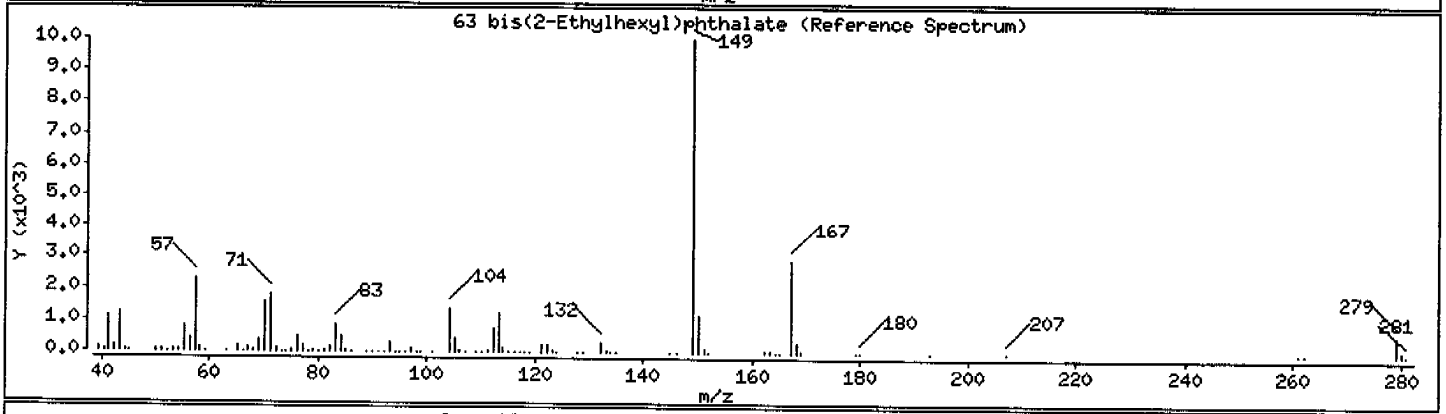
Operator: BNAMS 4

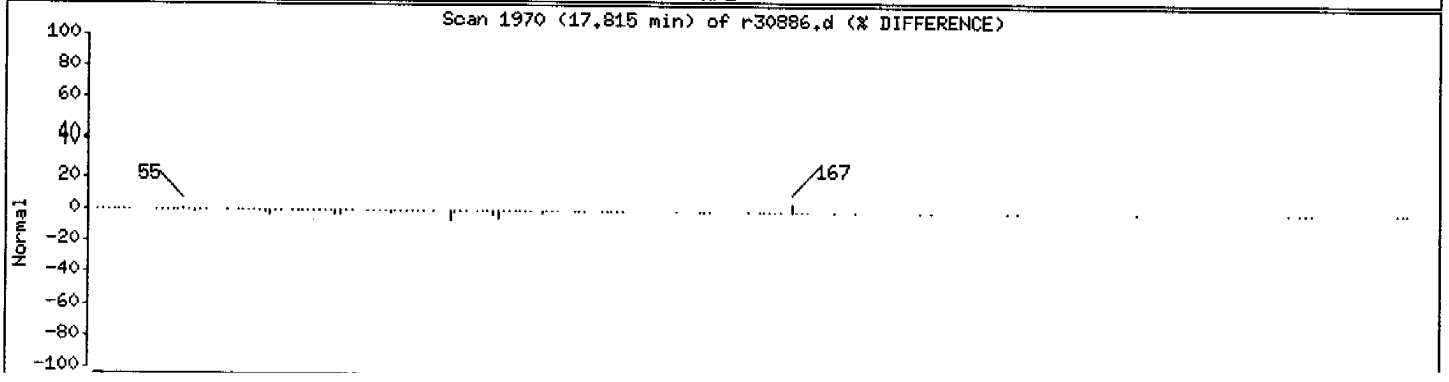
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 40000 ug/Kg









Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample No: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30734.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	73 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	120 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	34 J	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	11 J	380
Dibenzofuran	10 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	15 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	230 J	380
Anthracene	41 J	380

Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample No: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30734.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	37 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	450	380
Pyrene	530	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	44 J	770
Benzo(a)anthracene	200	38
Chrysene	250 J	380
bis(2-Ethylhexyl)phthalate	490	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	230	38
Benzo(k)fluoranthene	310	38
Benzo(a)pyrene	210	38
Indeno(1,2,3-cd)pyrene	55	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	73 J	380

Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample No: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30734.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.5

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	7.05	680	
2.	Unknown Alkane	9.16	490	
3.	Unknown	9.62	320	
4.	Unknown Alkane	9.80	460	
5.	Unknown Alkane	10.03	680	
6.	Dibromophenol Isomer	10.69	310	
7.	Unknown Alkane	10.84	490	
8.	Unknown Alkane	11.32	520	
9.	Unknown	17.53	580	
10.	Unknown	18.88	540	
11.	Unknown	20.05	890	
12.	Unknown Alkane	20.52	840	
13.	Unknown	20.62	1600	
14.	Unknown Alkane	22.66	810	
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 9210

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d
Report Date: 10-Oct-2006 11:57

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d
Lab Smp Id: 775278 Client Smp ID: B1410-SS01
Inj Date : 09-OCT-2006 17:33
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775278;3281006
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/8270C6-1.m
Meth Date : 10-Oct-2006 10:02 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.50000	% Moisture

Cpnd Variable Local Compound Variable

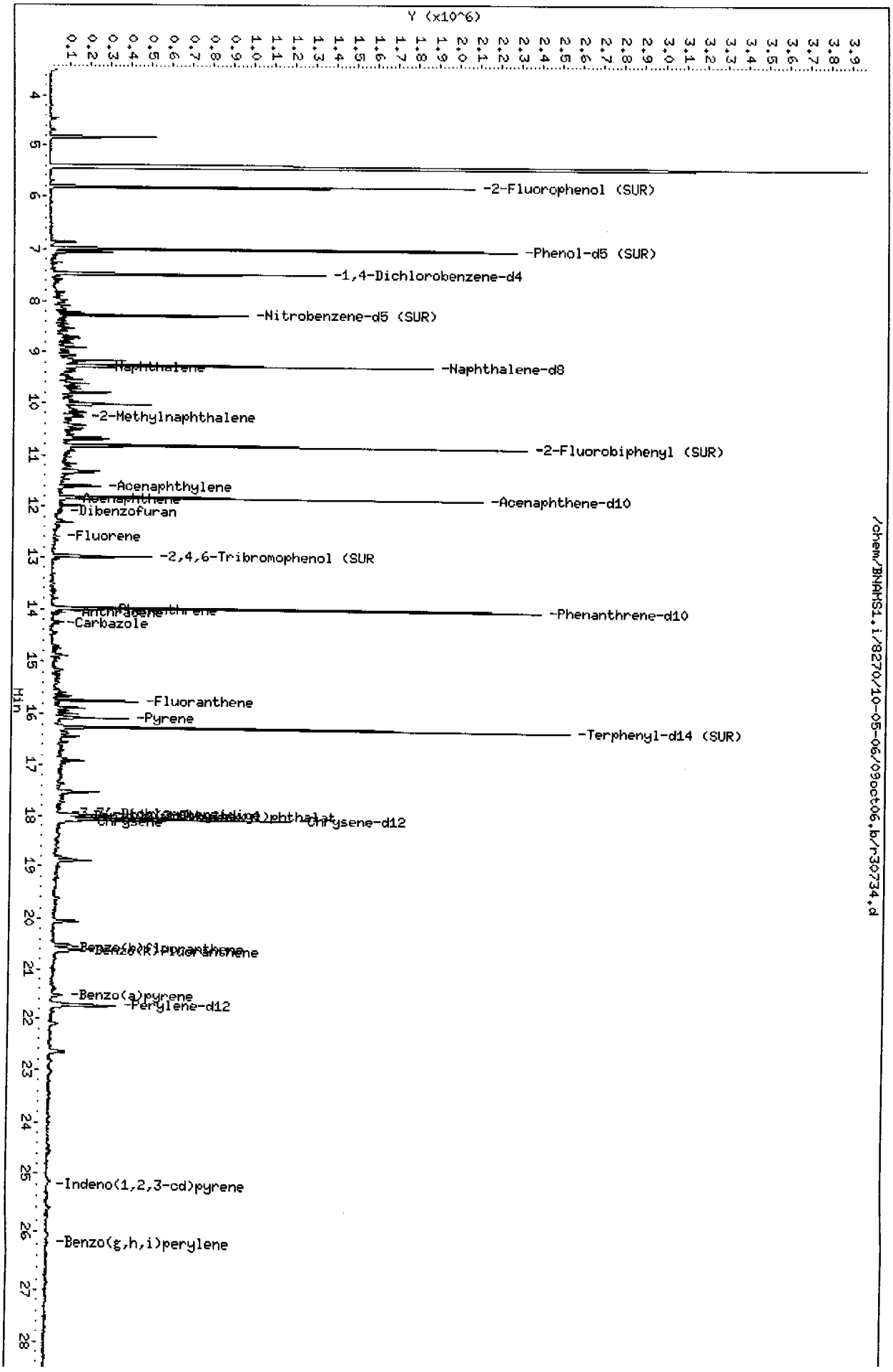
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.818	5.793	(0.778)	882427	78.6679	6100
$ 17 Phenol-d5 (SUR)	99	6.991	6.977	(0.935)	1122021	80.4670	6200
* 79 1,4-Dichlorobenzene-d4	152	7.474	7.468	(1.000)	299509	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.267	8.266	(0.892)	386131	34.6354	2700
* 80 Naphthalene-d8	136	9.264	9.259	(1.000)	1087650	40.0000	
31 Naphthalene	128	9.294	9.289	(1.003)	25872	0.95168	73(a)
34 2-Methylnaphthalene	142	10.268	10.269	(1.108)	28750	1.51213	120(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.813	10.811	(0.915)	922111	42.8399	3300
39 Acenaphthylene	152	11.599	11.602	(0.981)	13376	0.44325	34(a)
* 82 Acenaphthene-d10	164	11.823	11.817	(1.000)	722505	40.0000	
42 Acenaphthene	154	11.868	11.867	(1.004)	2688	0.14655	11(a)
43 Dibenzofuran	168	12.085	12.091	(1.022)	3902	0.13675	10(a)
47 Fluorene	166	12.590	12.597	(1.065)	4627	0.19978	15(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	12.979	12.977	(1.098)	71373	17.9636	1400

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d
Report Date: 10-Oct-2006 11:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	83 Phenanthrene-d10	188	13.970	13.966	(1.000)	1236960	40.0000	
	52 Phenanthrene	178	14.000	14.004	(1.002)	109581	2.99219	230(a)
	53 Anthracene	178	14.060	14.064	(1.006)	19652	0.53668	41(a)
	54 Carbazole	167	14.284	14.288	(1.022)	16549	0.47860	37(a)
	56 Fluoranthene	202	15.738	15.740	(1.127)	220251	5.86638	450
	57 Pyrene	202	16.080	16.083	(0.890)	184430	6.85402	530
$	78 Terphenyl-d14 (SUR)	244	16.267	16.254	(0.900)	1085774	58.8600	4500
	60 3,3'-Dichlorobenzidine	252	17.959	17.972	(0.994)	5501	0.56540	44(a)
	63 bis(2-Ethylhexyl)phthalate	149	17.989	17.986	(0.996)	139156	6.31695	490
	61 Benzo(a)anthracene	228	18.019	18.030	(0.997)	59827	2.59025	200
*	81 Chrysene-d12	240	18.070	18.068	(1.000)	839527	40.0000	
	62 Chrysene	228	18.108	18.129	(1.002)	69765	3.24135	250(a)
	65 Benzo(b)fluoranthene	252	20.578	20.605	(0.947)	35814	3.04298	230(H)
	66 Benzo(k)fluoranthene	252	20.631	20.686	(0.950)	40942	4.00783	310
	67 Benzo(a)pyrene	252	21.528	21.560	(0.991)	27026	2.72976	210
*	84 Perylene-d12	264	21.722	21.740	(1.000)	308484	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.210	25.270	(1.161)	6968	0.70986	55(H)
	70 Benzo(g,h,i)perylene	276	26.184	26.271	(1.205)	8094	0.94655	73(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.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Date : 09-OCT-2006 17:33
Client ID: B1410-SS01
Sample Info: 775278;3281006
Column phase: DB-5
Instrument: BNANS1.i
Operator: BNANS 4
Column diameter: 0.25
/chem/BNANS1.i/8270/10-05-06/09oct06.b/r30734.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

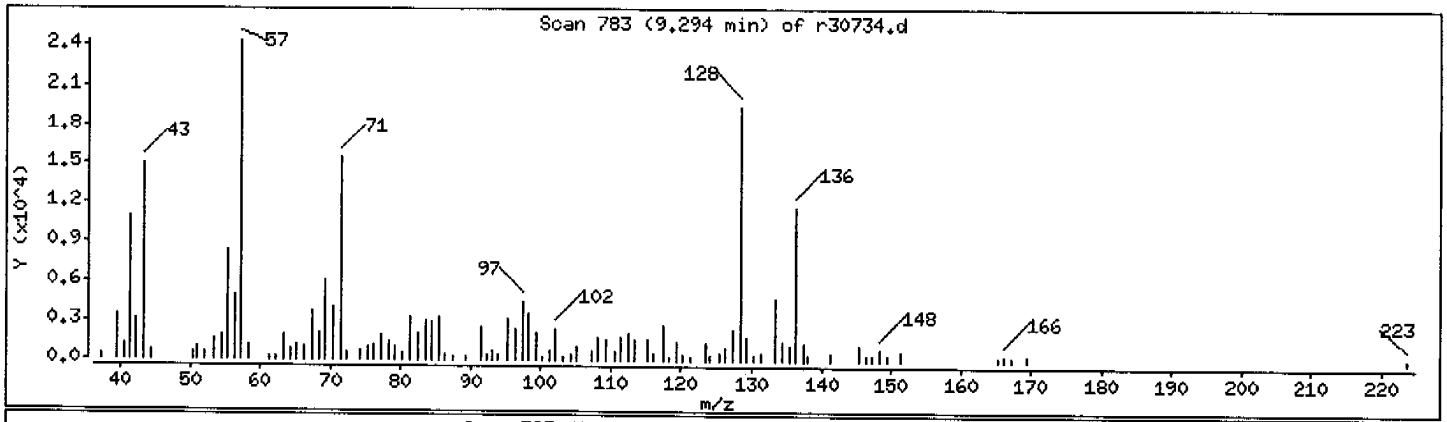
Client ID: B1410-SS01 Instrument: BNAMS1.i

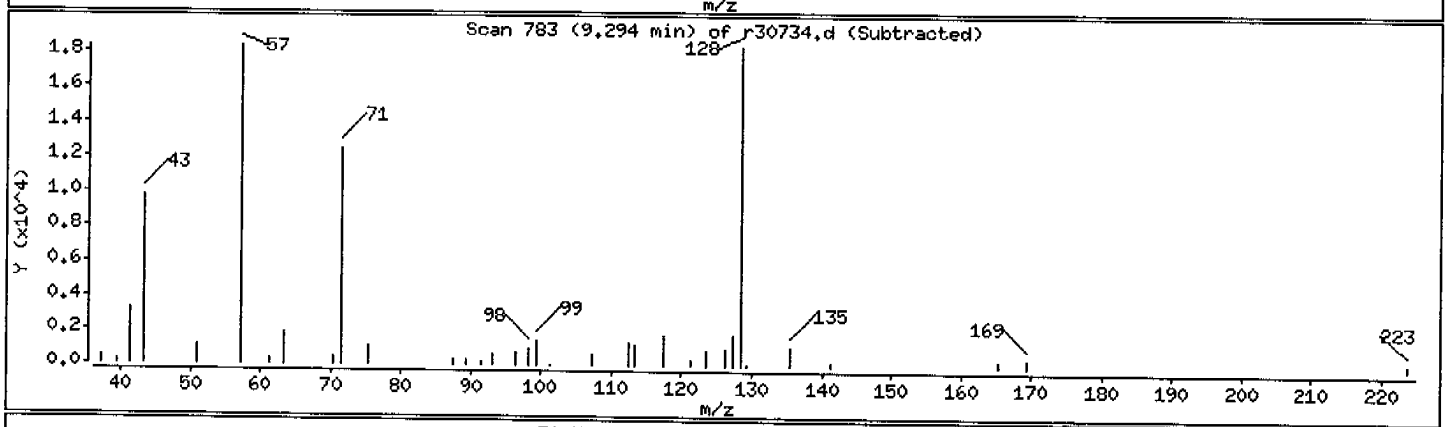
Sample Info: 775278:3281006

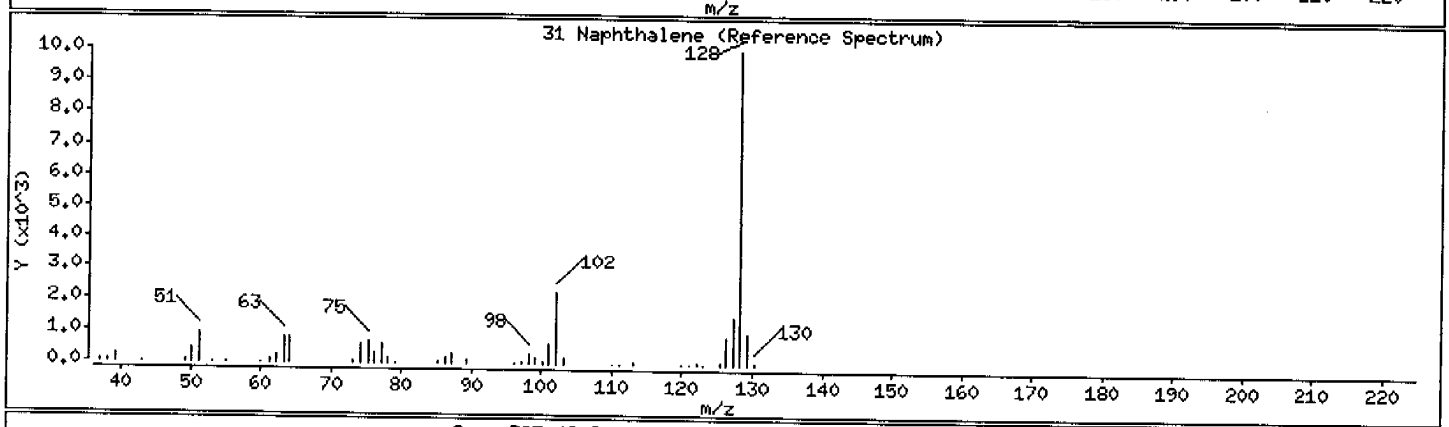
Operator: BNAMS 4

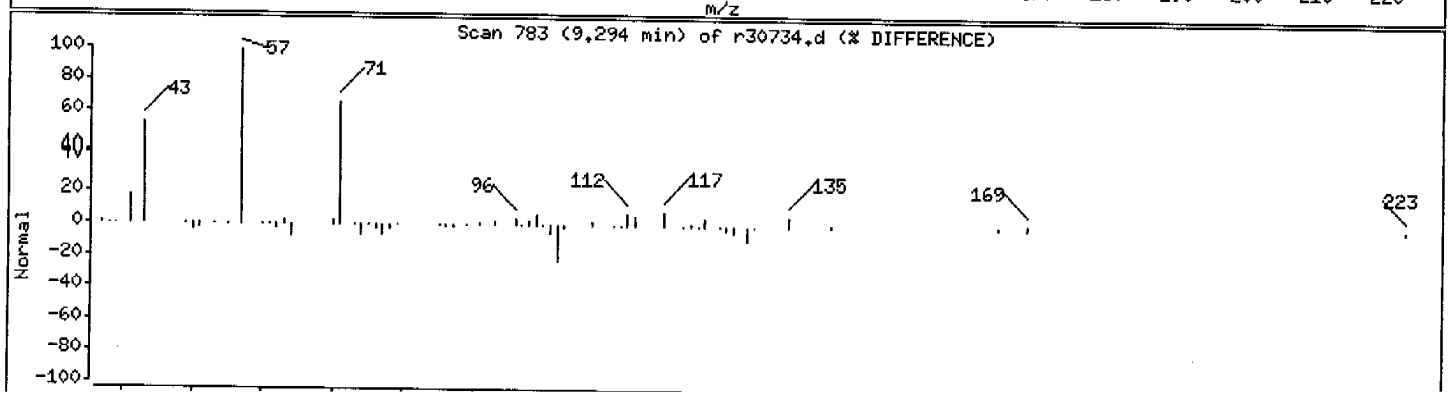
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 73 ug/Kg









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Date : 09-OCT-2006 17:33

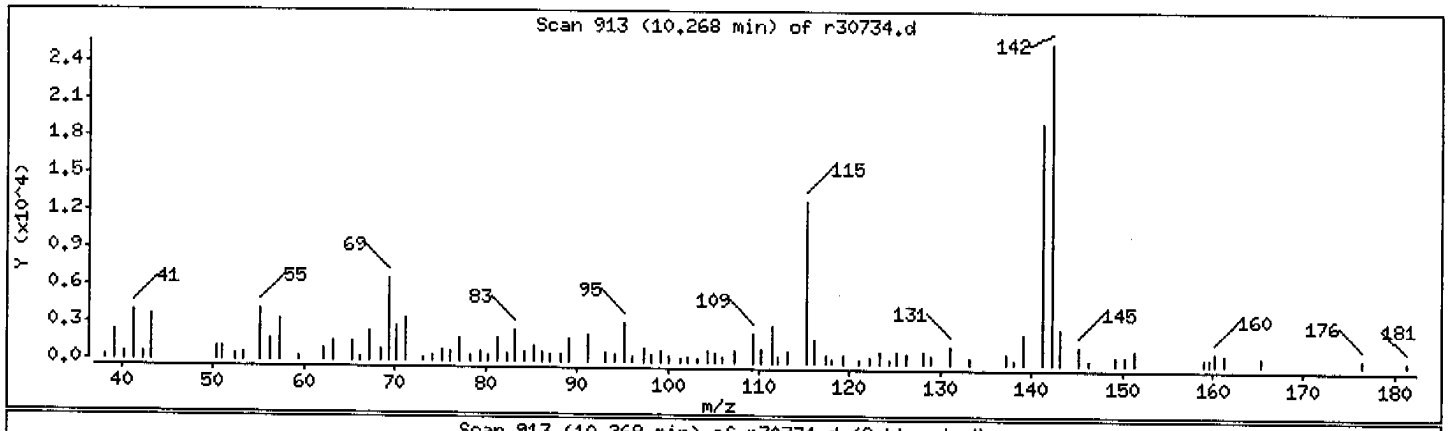
Client ID: B1410-SS01 Instrument: BNAMS1.i

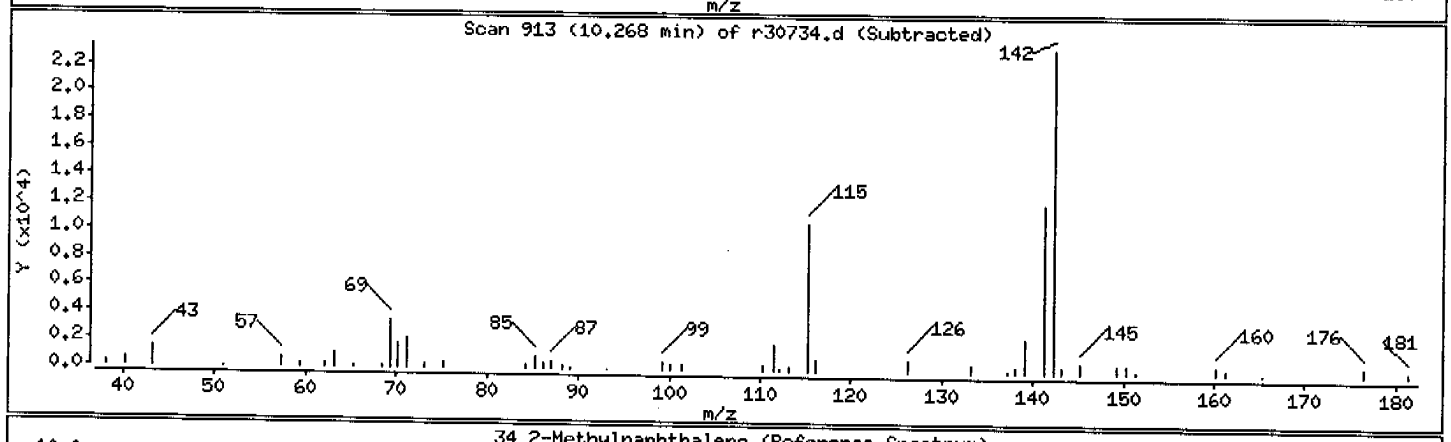
Sample Info: 775278;3281006

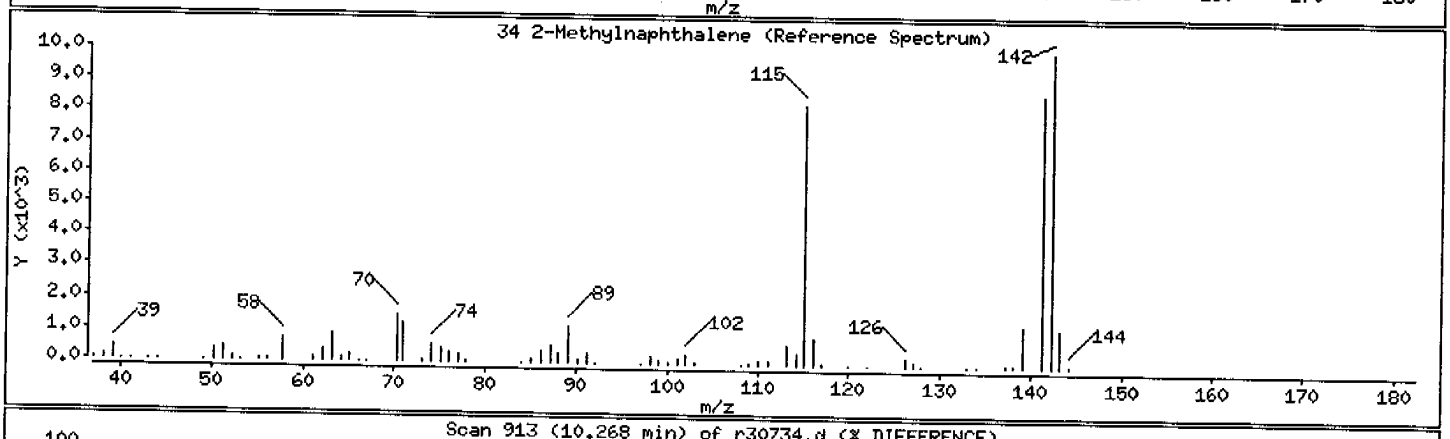
Operator: BNAMS 4

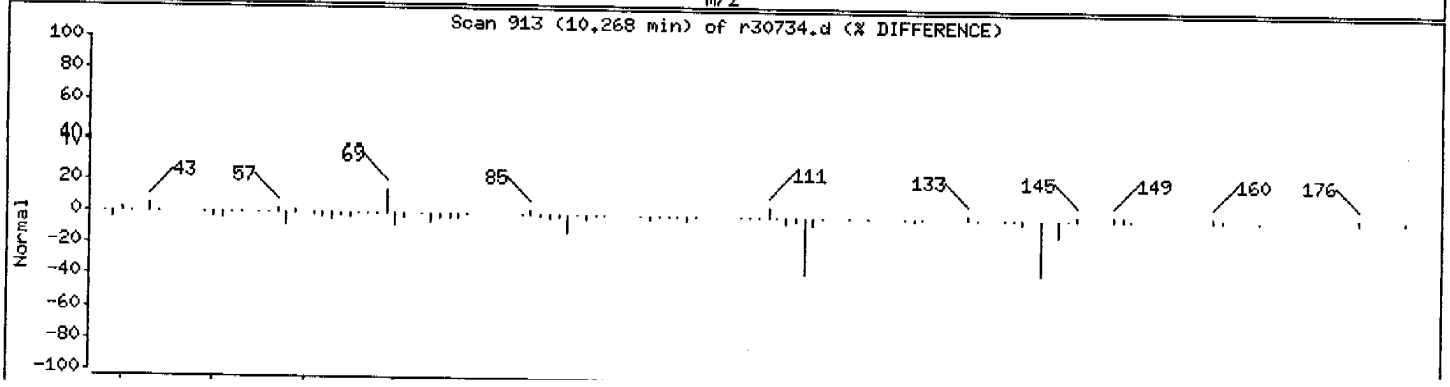
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 120 ug/Kg









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Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

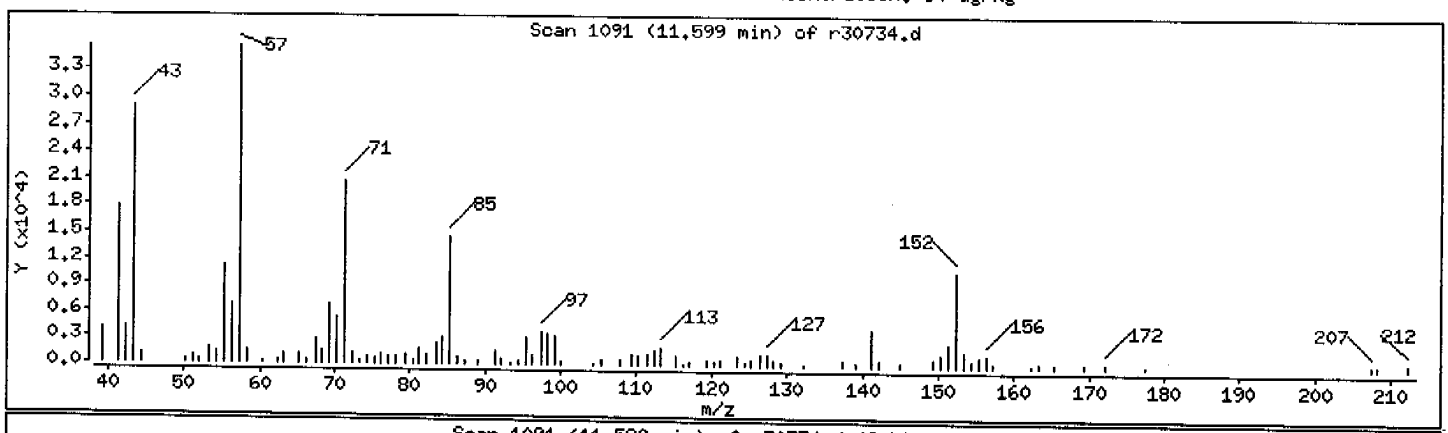
Operator: BNAMS 4

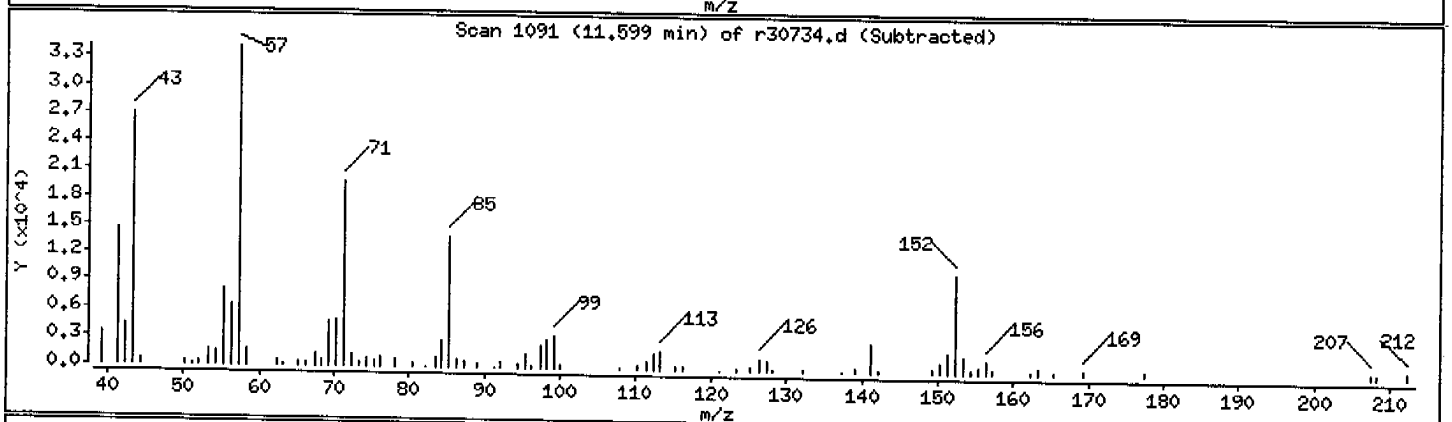
Column phase: DB-5

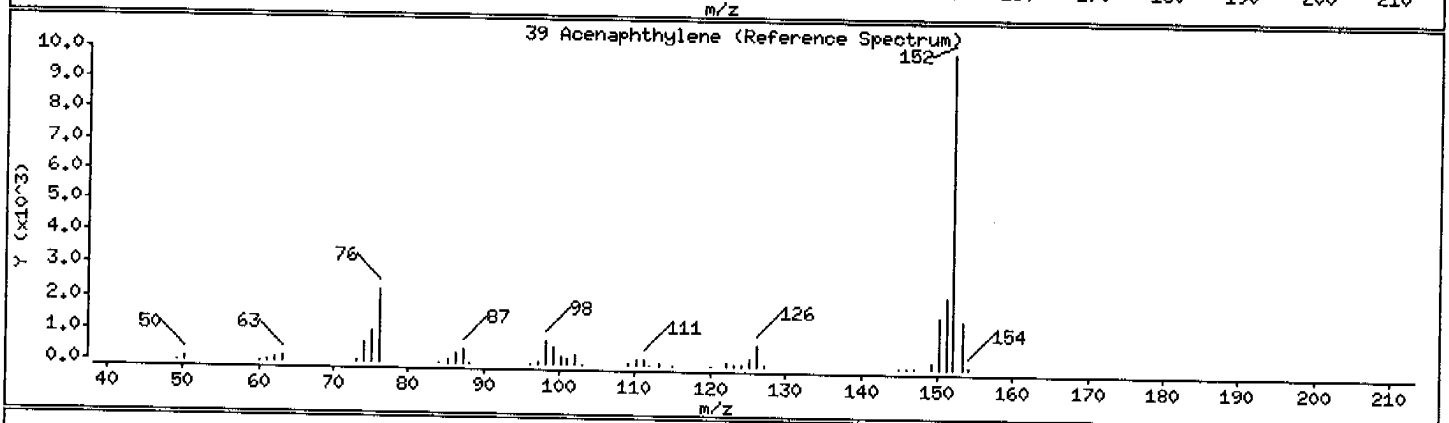
Column diameter: 0.25

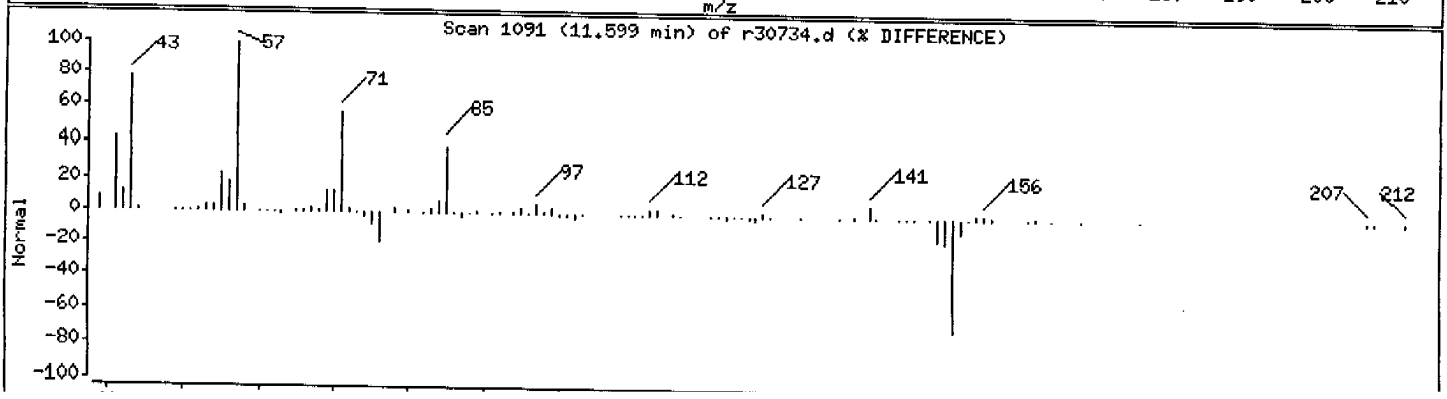
39 Acenaphthylene

Concentration: 34 ug/Kg









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Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

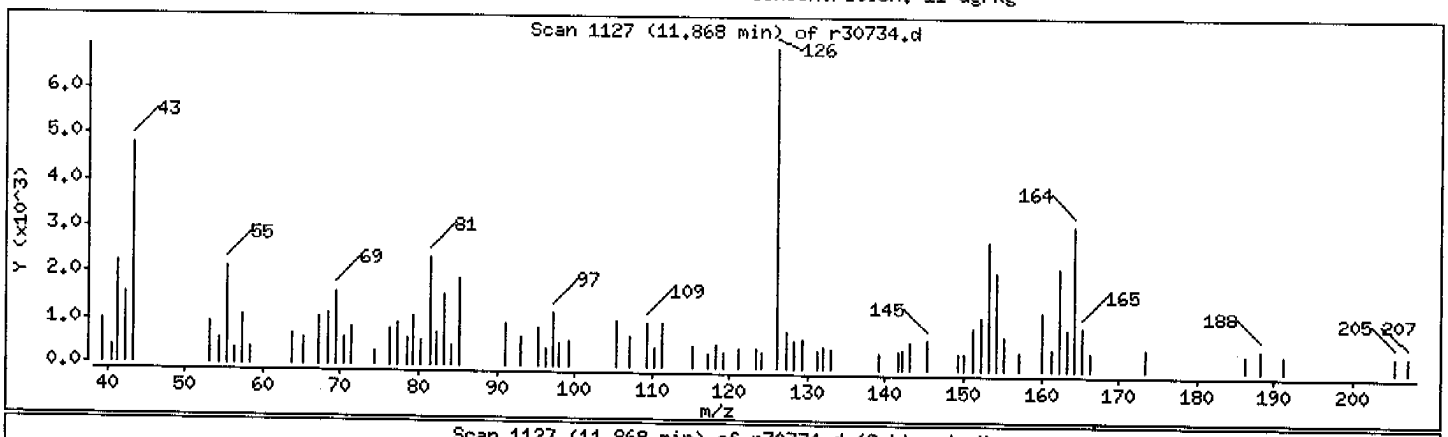
Operator: BNAMS 4

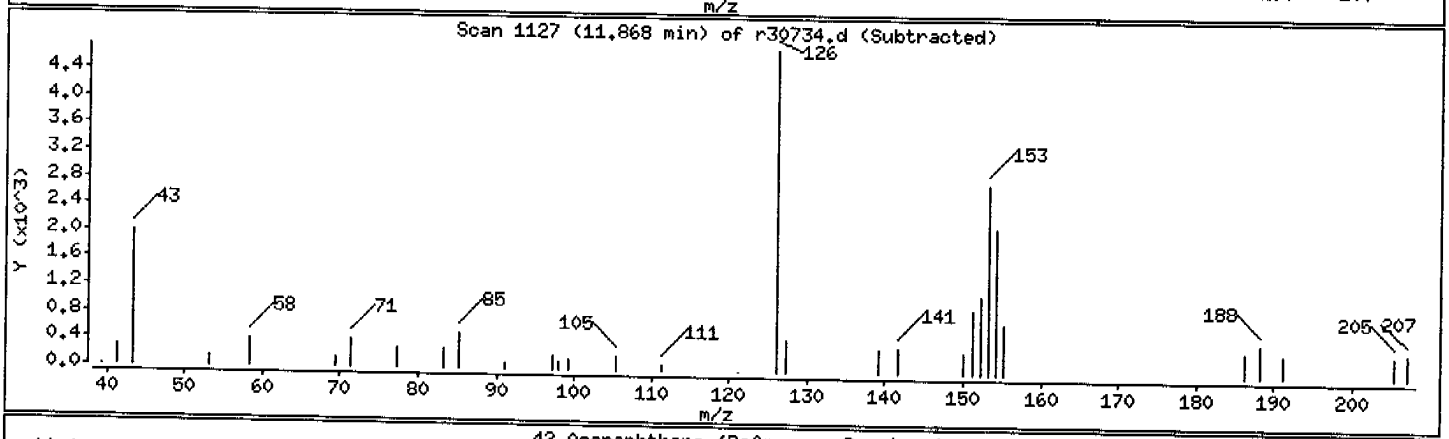
Column phase: DB-5

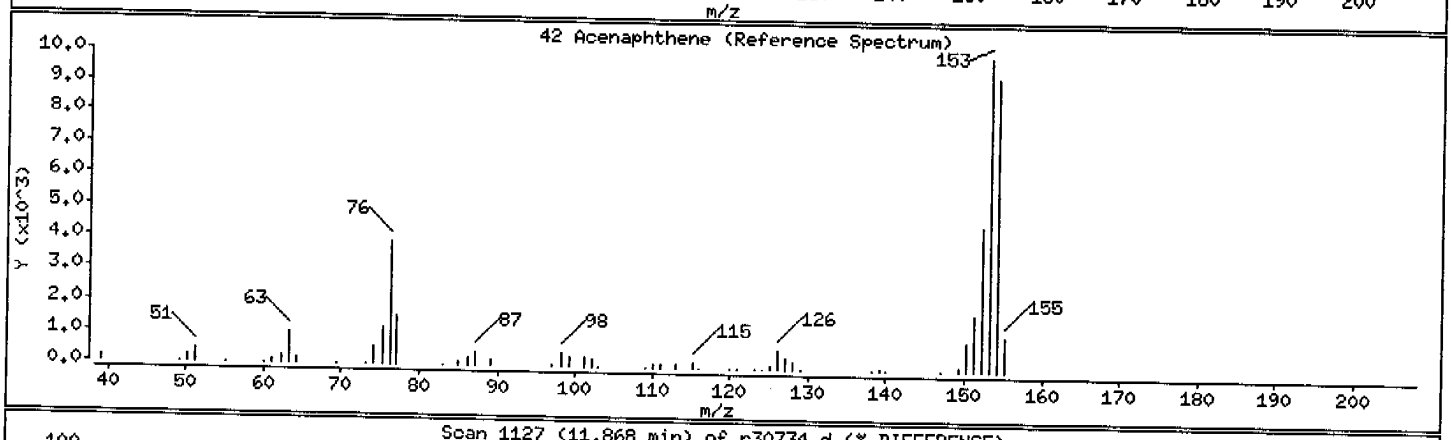
Column diameter: 0.25

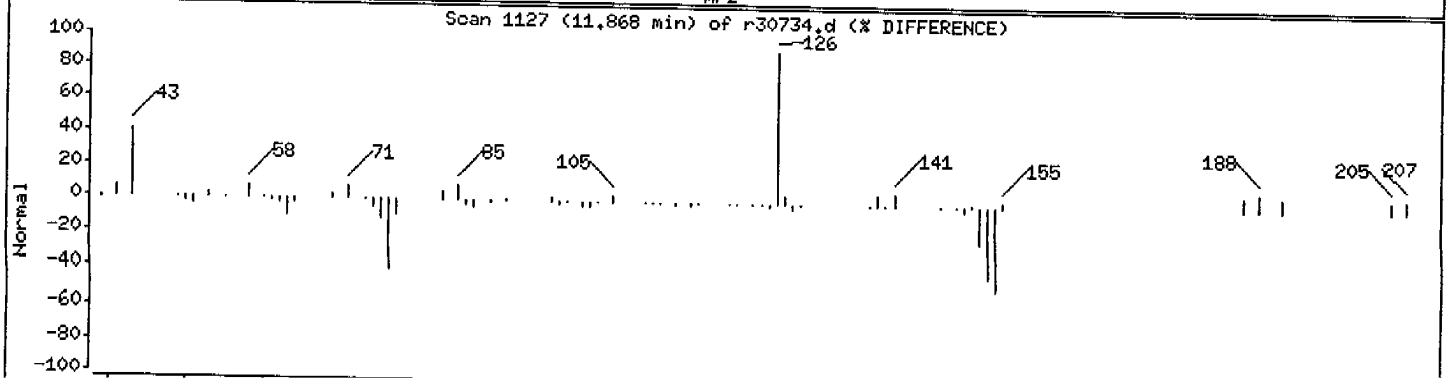
42 Acenaphthene

Concentration: 11 ug/Kg









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Date : 09-OCT-2006 17:33

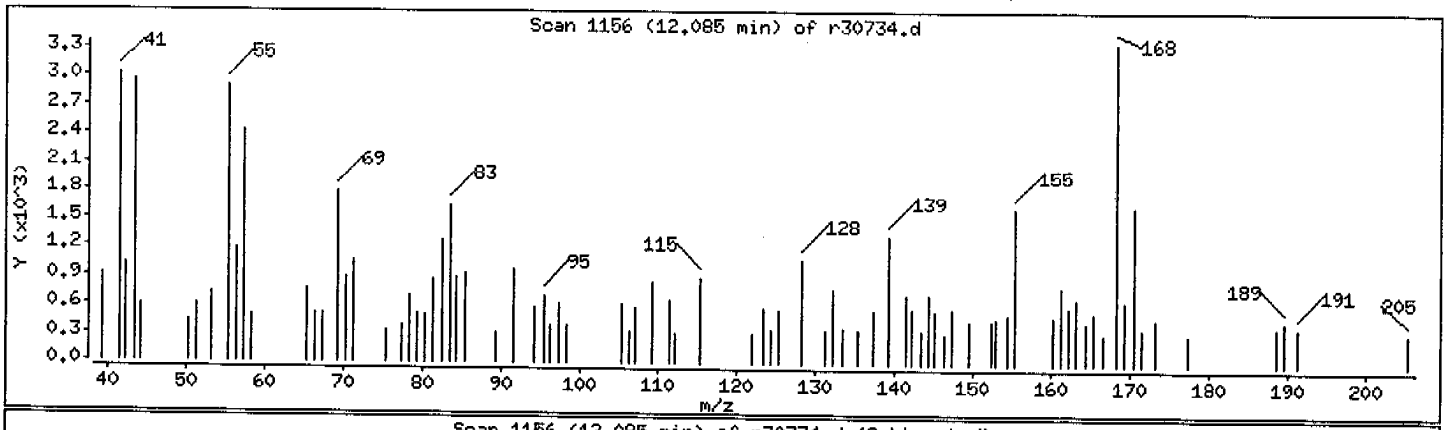
Client ID: B1410-SS01 Instrument: BNAMS1.i

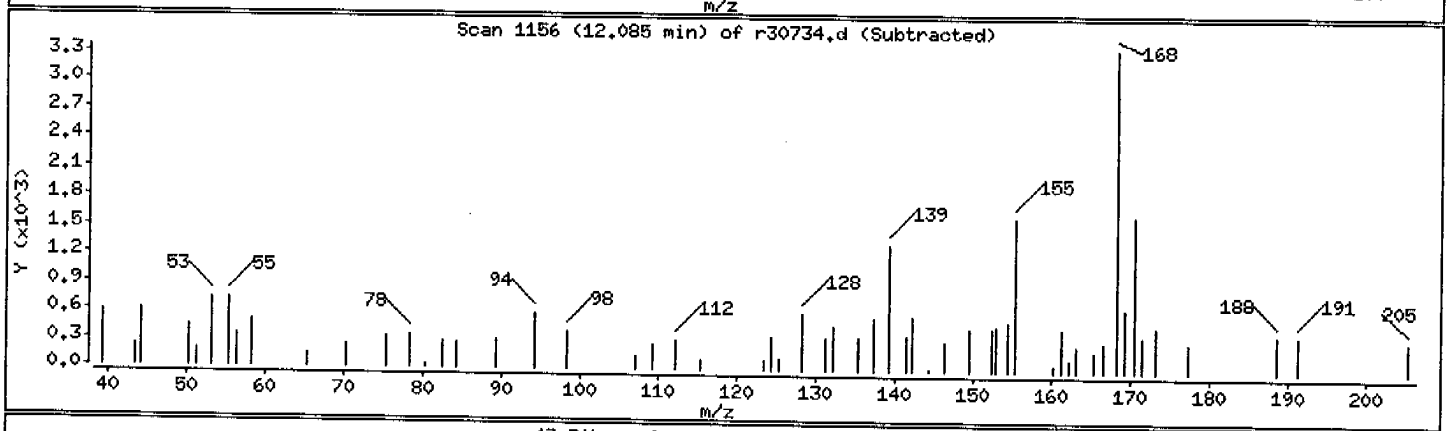
Sample Info: 775278;3281006

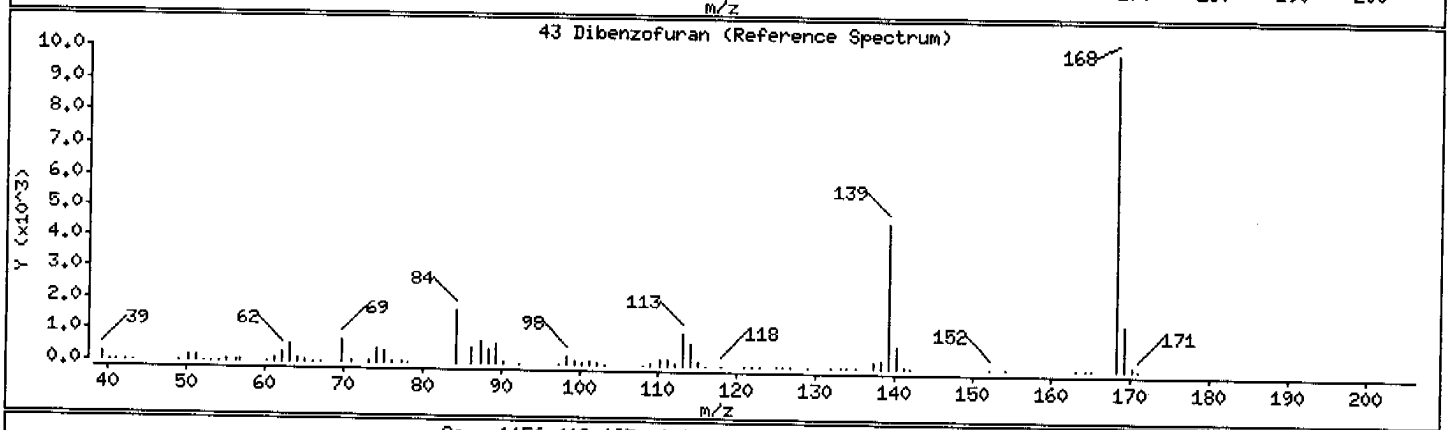
Operator: BNAMS 4

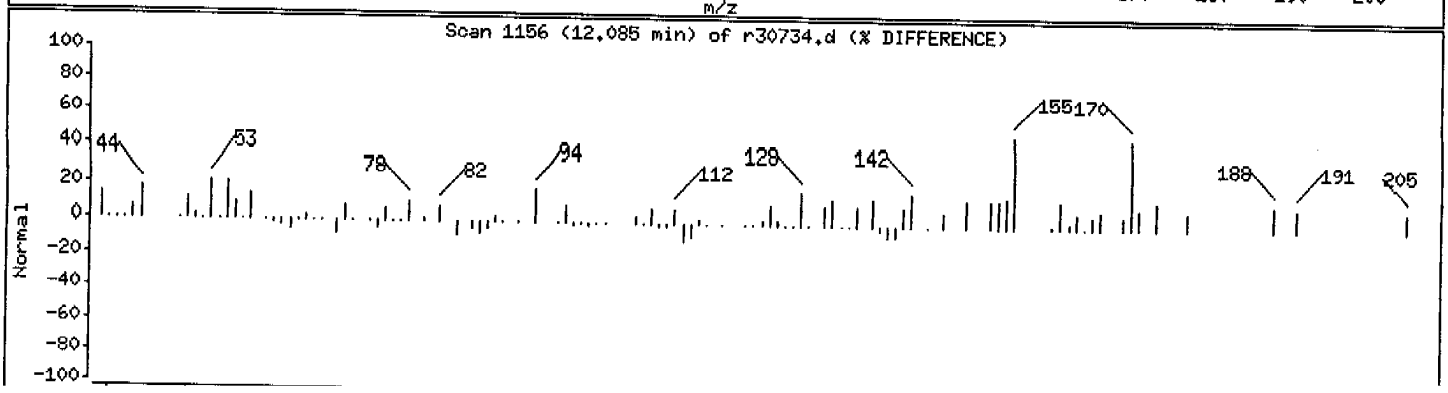
Column phase: DB-5 Column diameter: 0.25

43 Dibenzofuran Concentration: 10 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

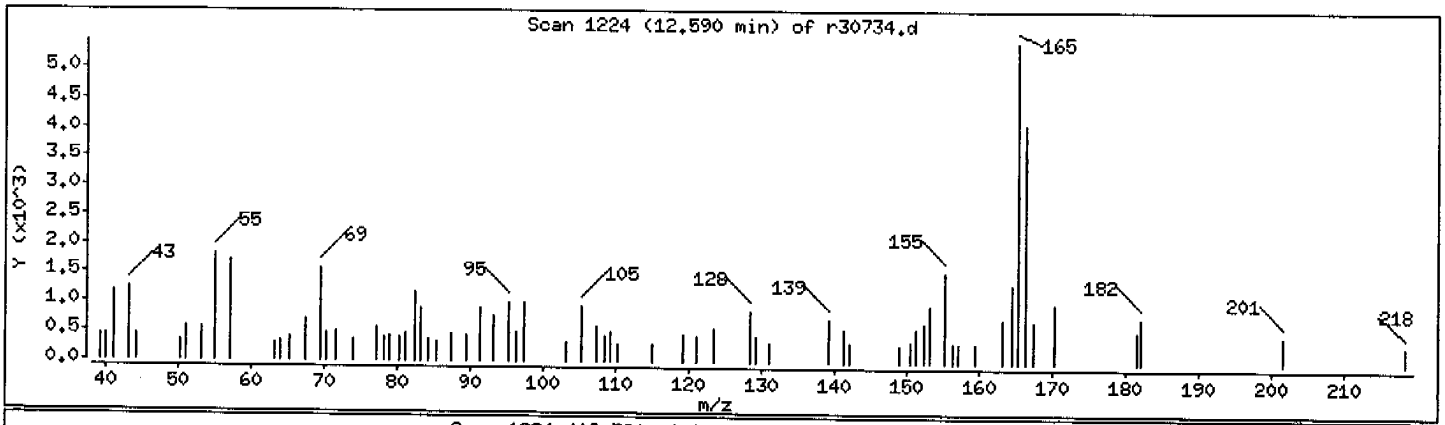
Client ID: B1410-SS01 Instrument: BNAMS1.i

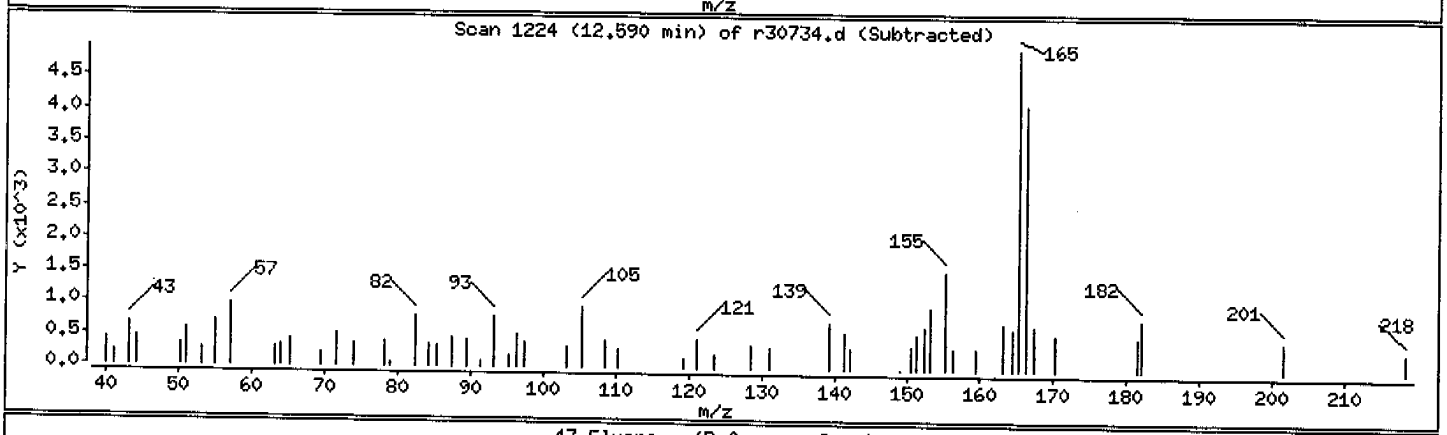
Sample Info: 775278;3281006

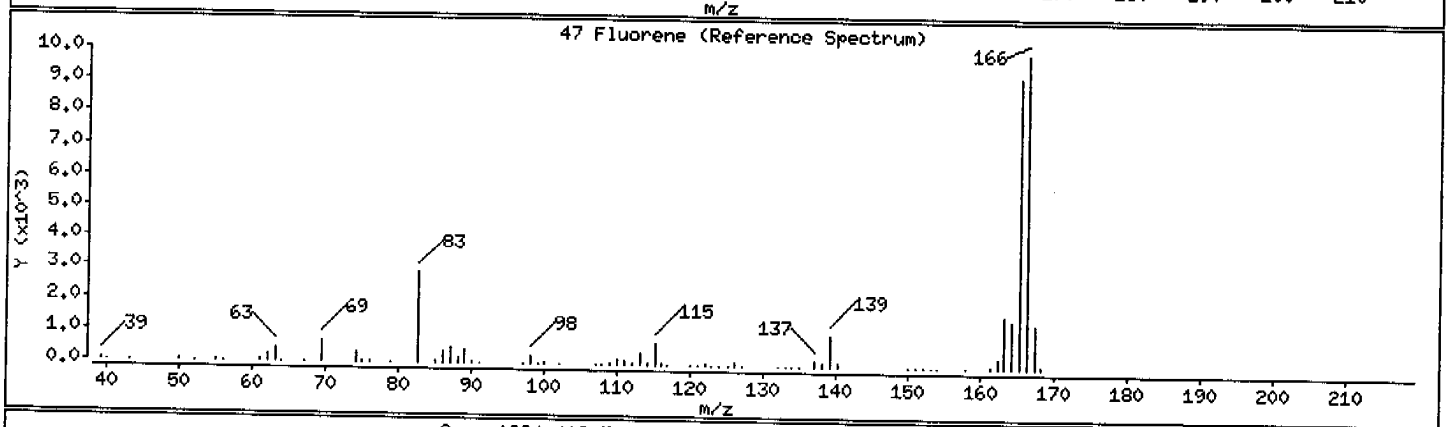
Operator: BNAMS 4

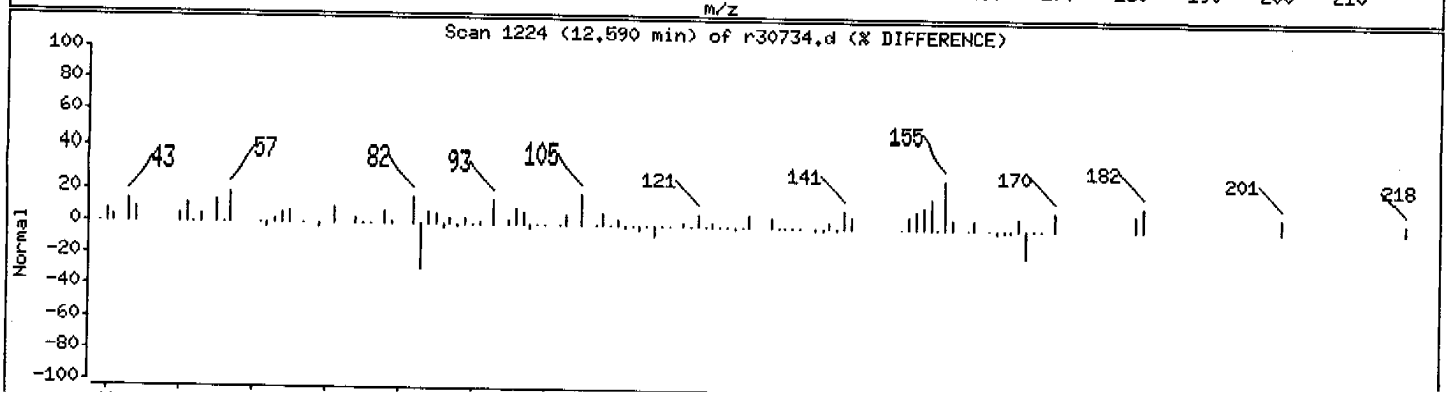
Column phase: DB-5 Column diameter: 0.25

47 Fluorene Concentration: 15 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

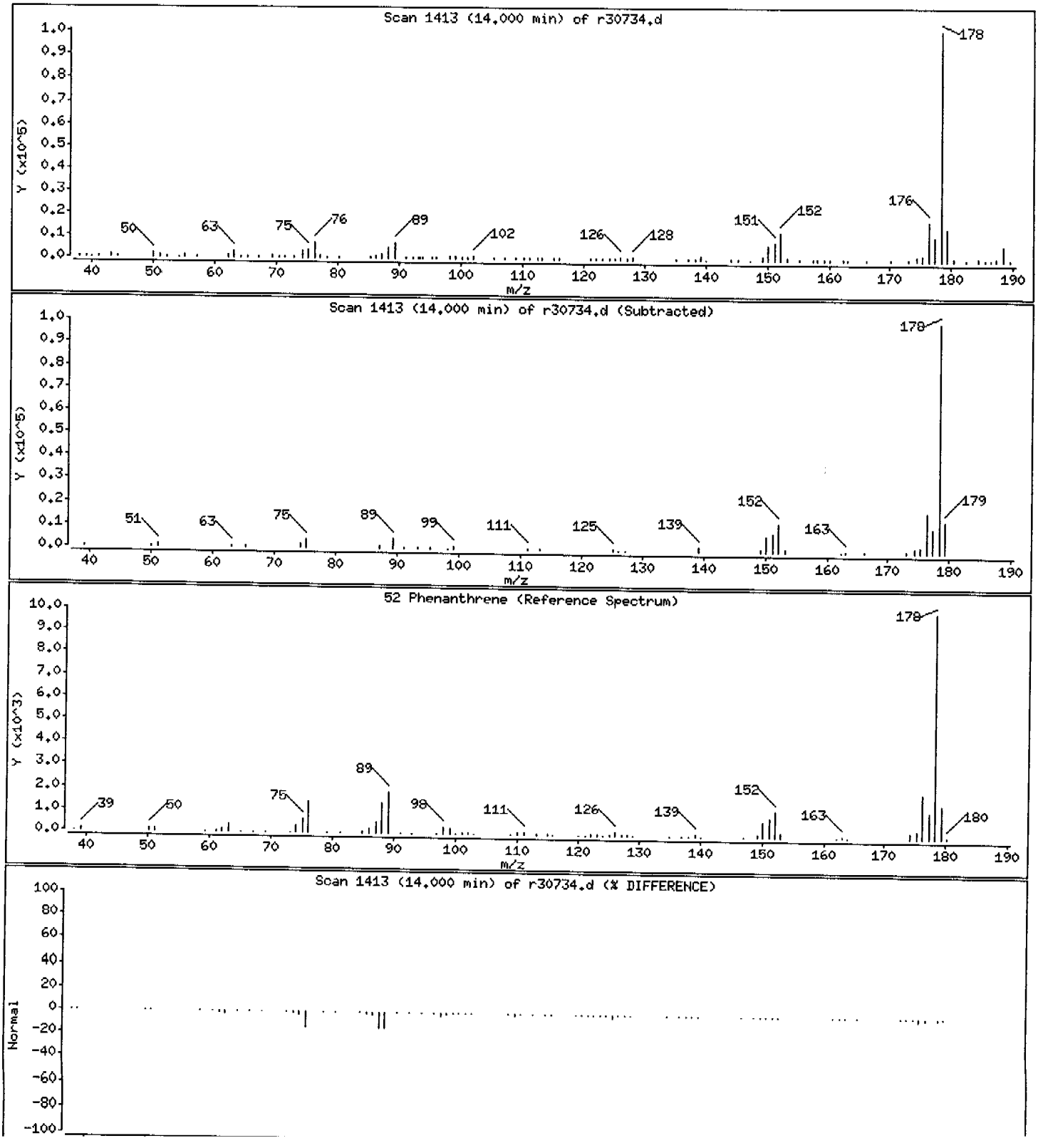
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 230 ug/Kg



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Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

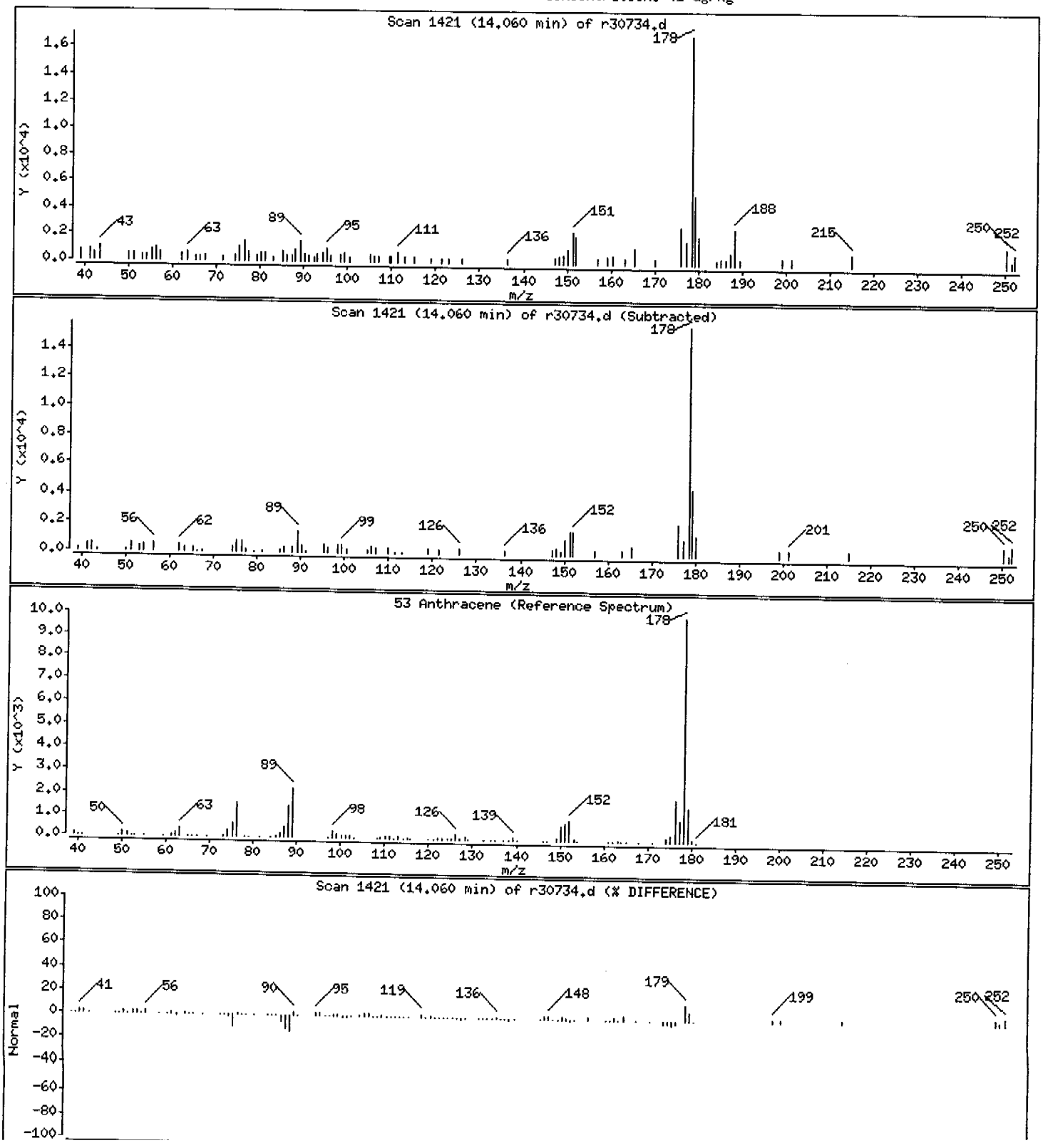
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

53 Anthracene

Concentration: 41 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

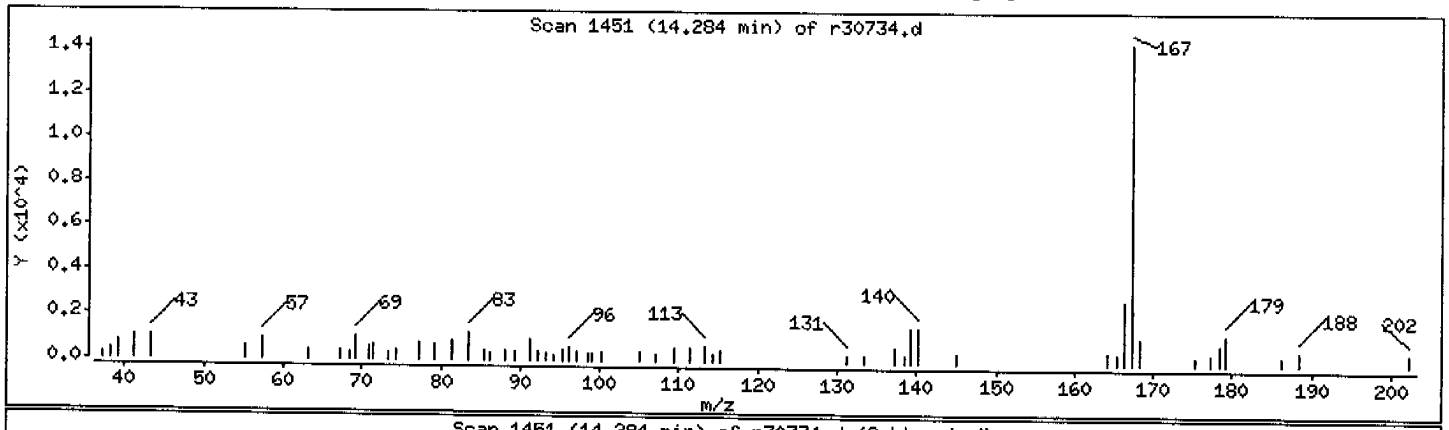
Operator: BNAMS 4

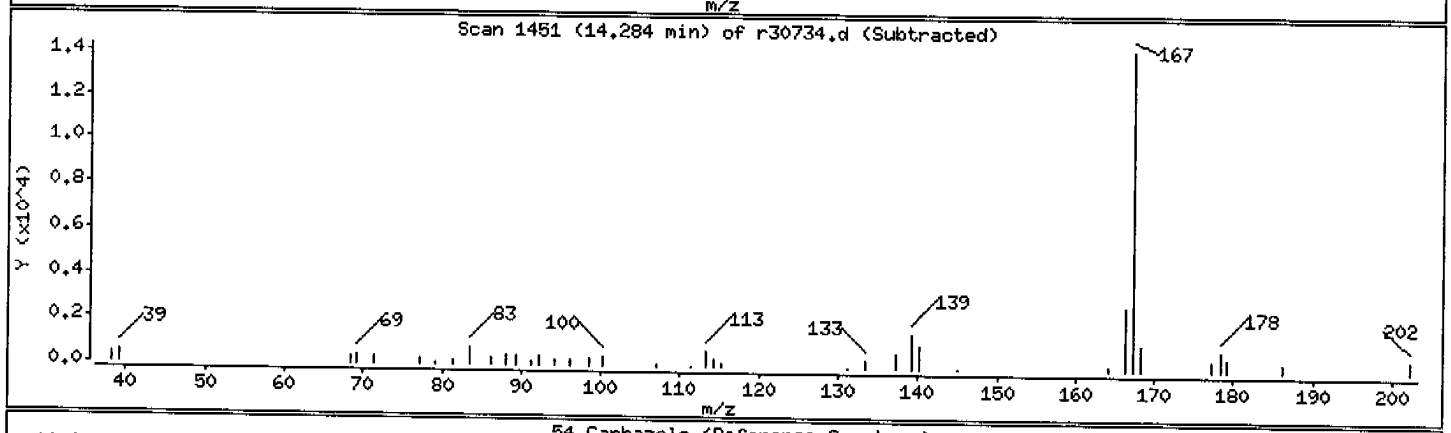
Column phase: DB-5

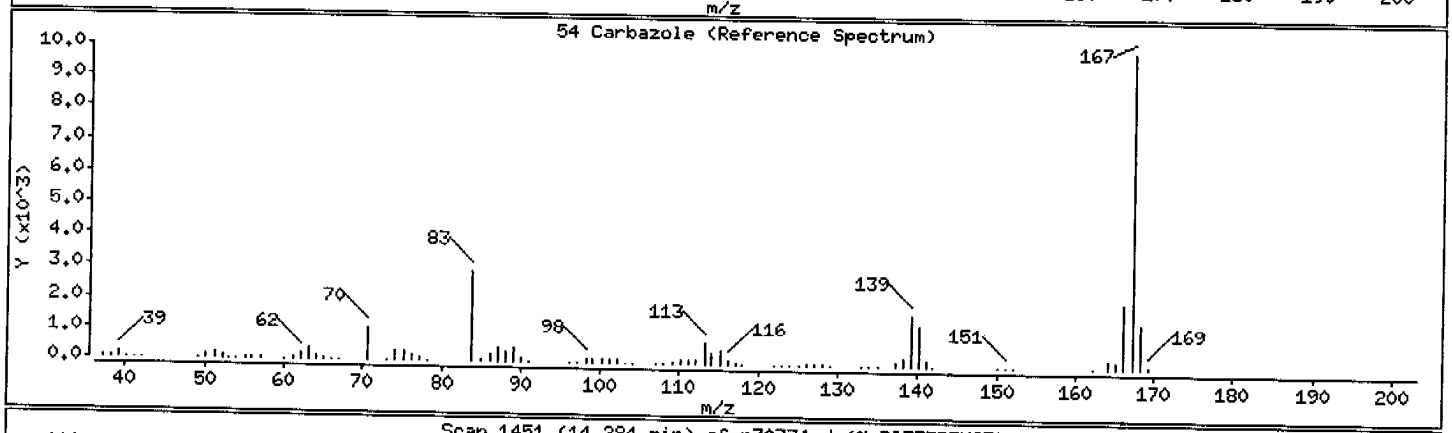
Column diameter: 0.25

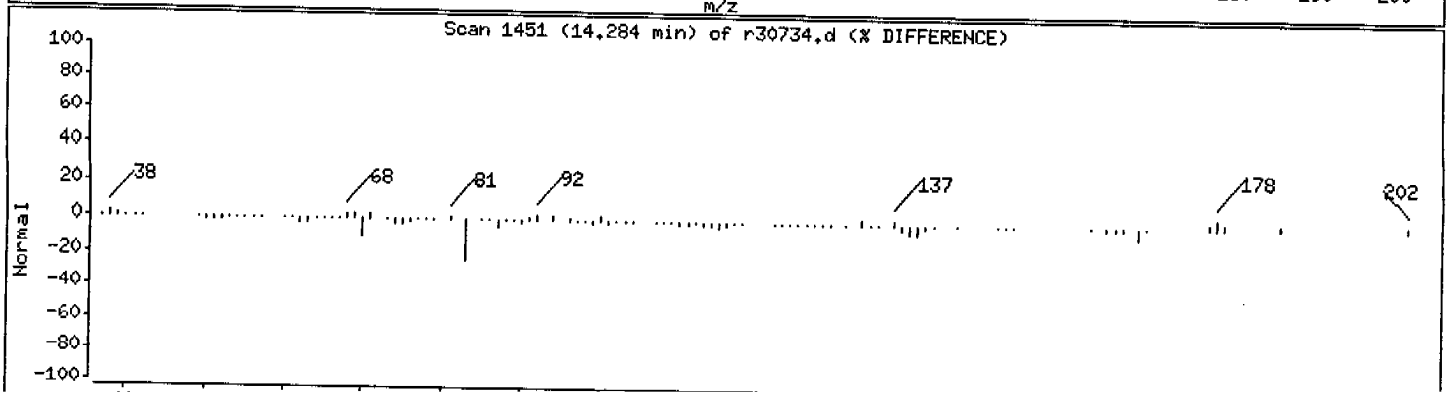
54 Carbazole

Concentration: 37 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

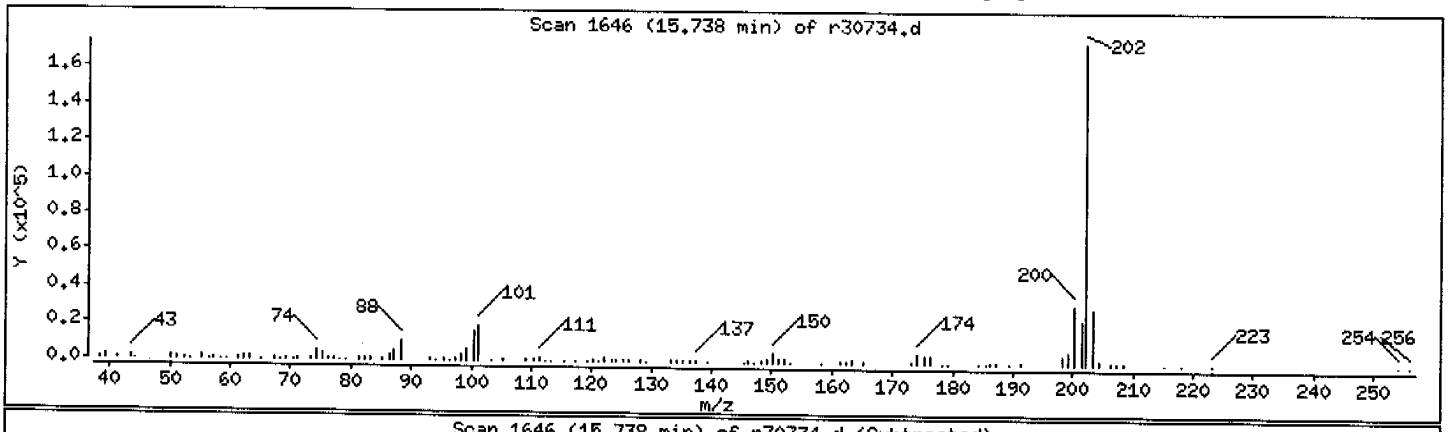
Client ID: B1410-SS01 Instrument: BNAMS1.i

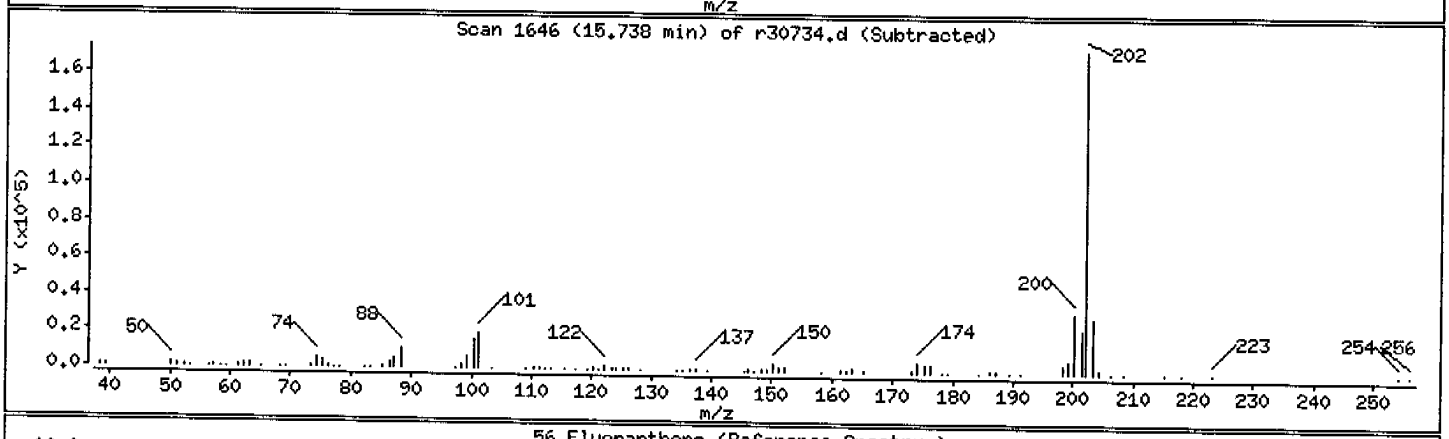
Sample Info: 775278;3281006

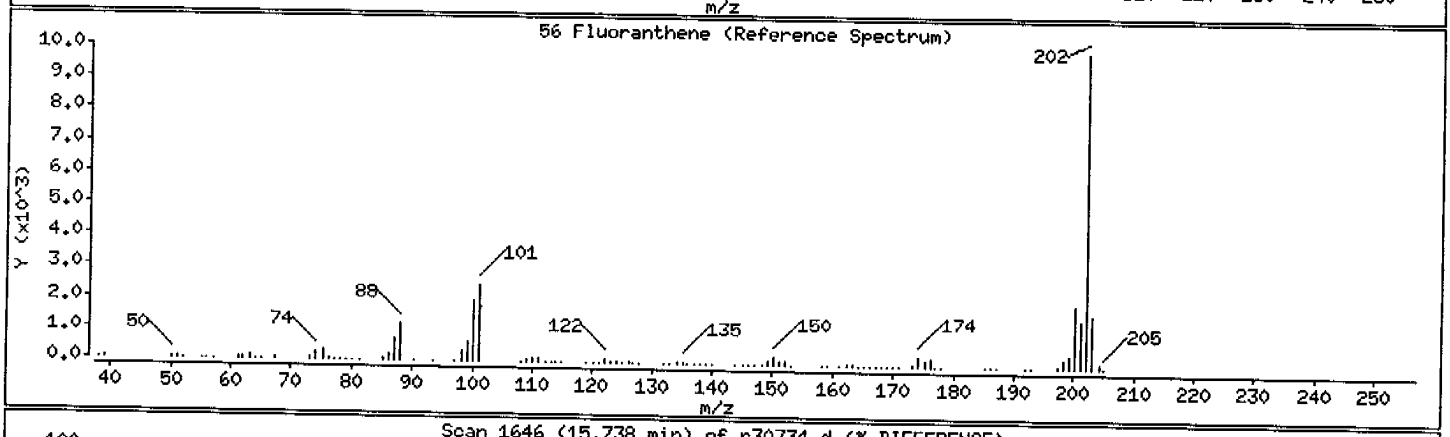
Operator: BNAMS 4

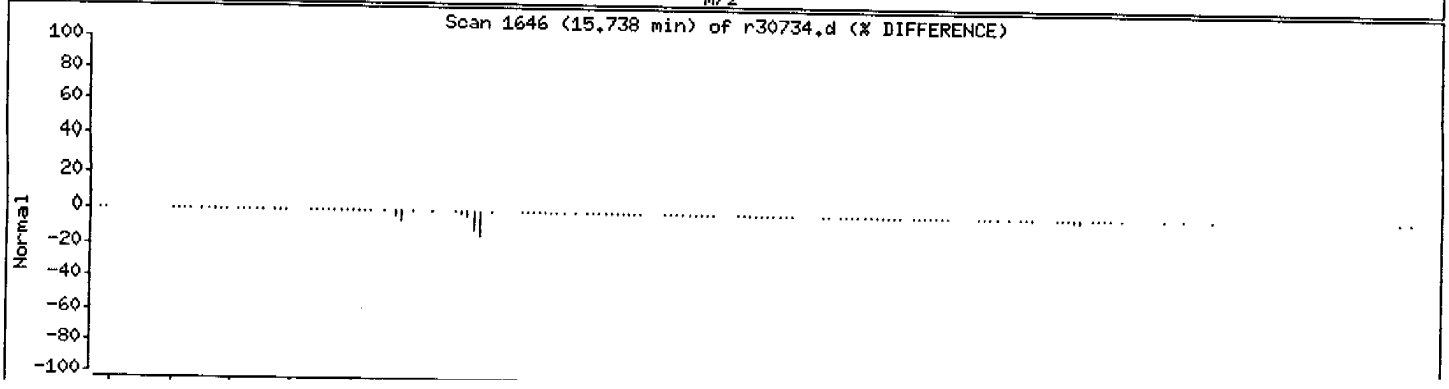
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 450 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

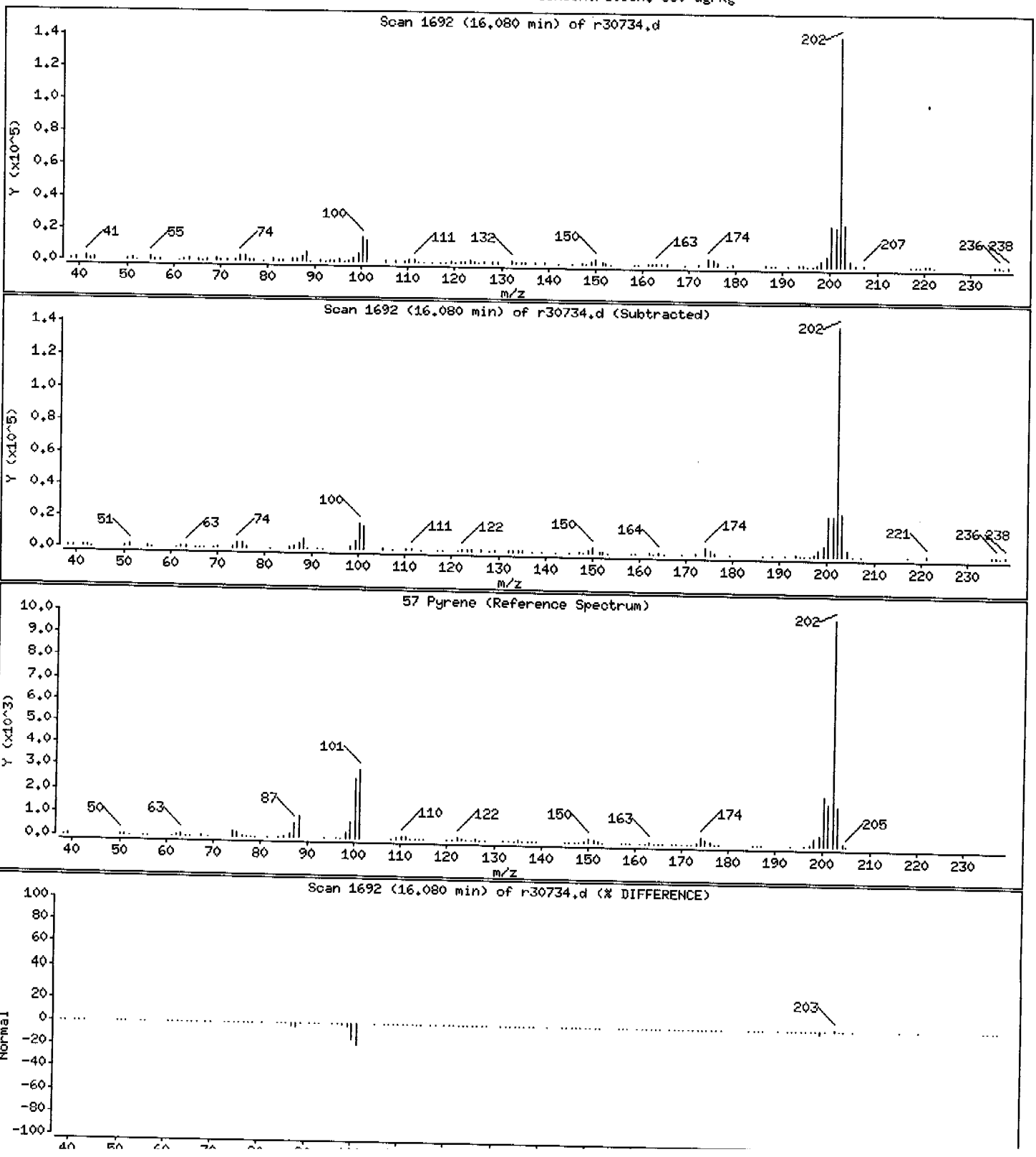
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 530 ug/Kg



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Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

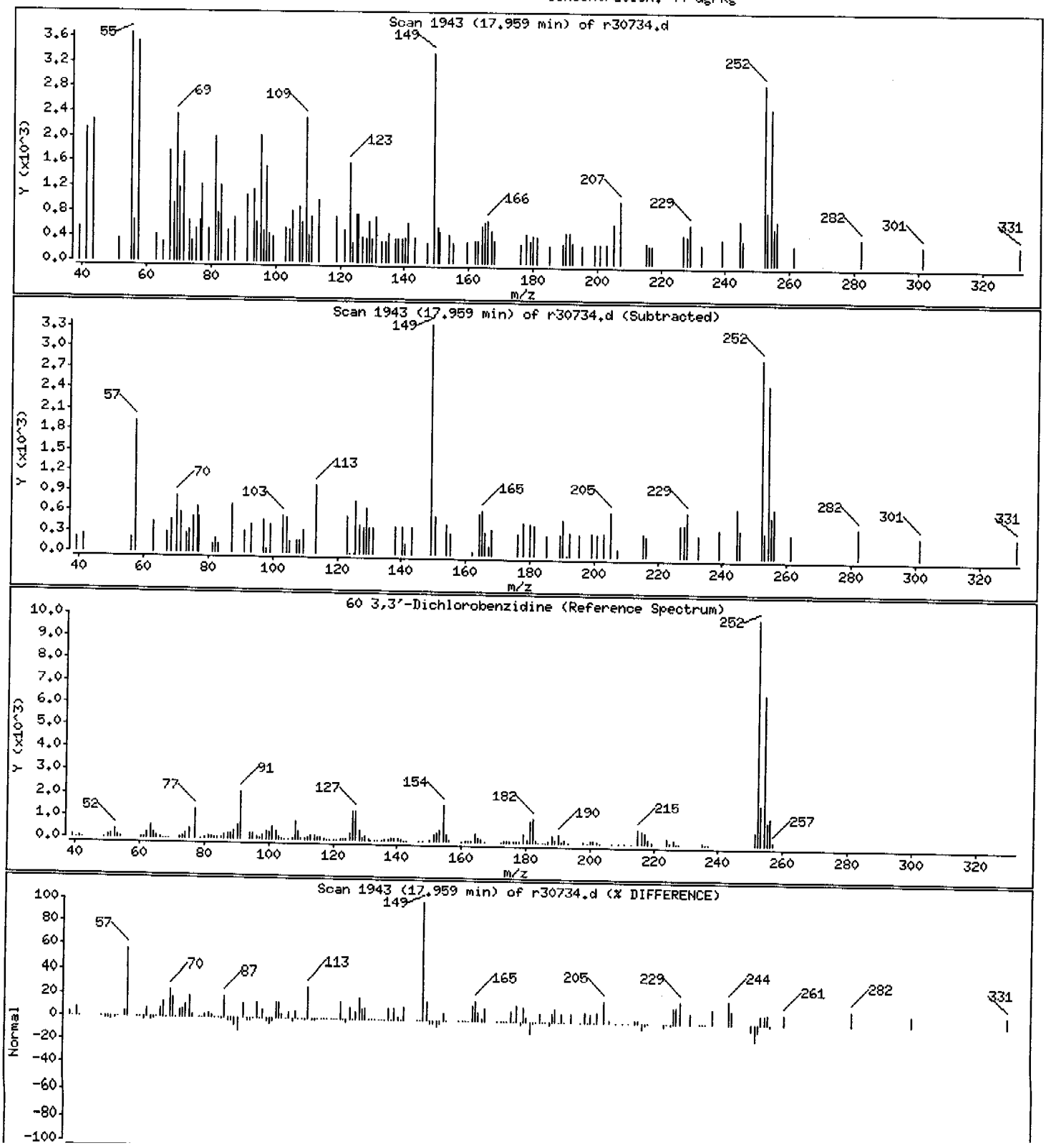
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

60 3,3'-Dichlorobenzidine

Concentration: 44 ug/Kg



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Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

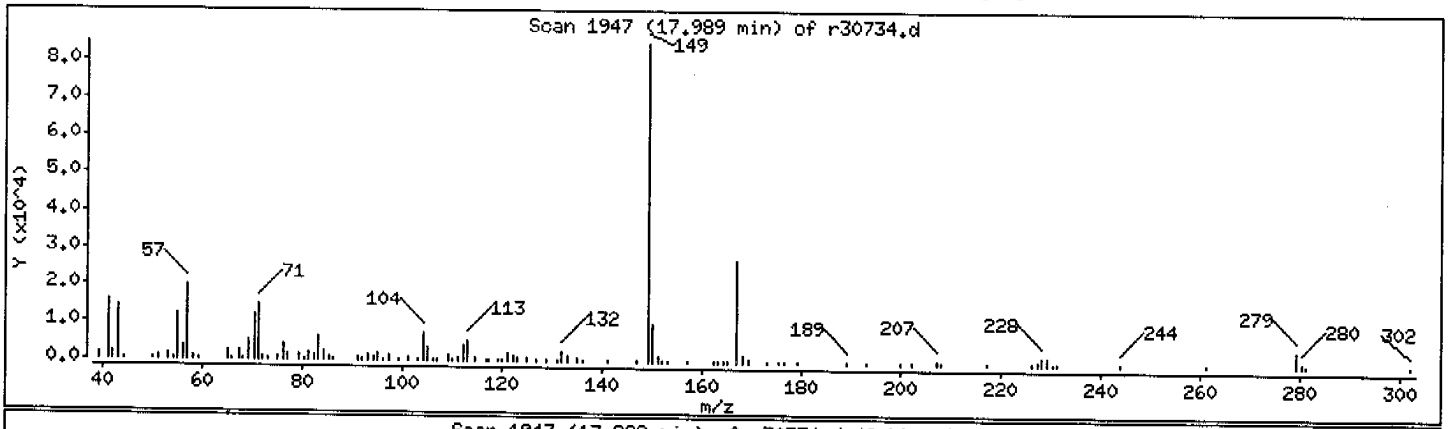
Operator: BNAMS 4

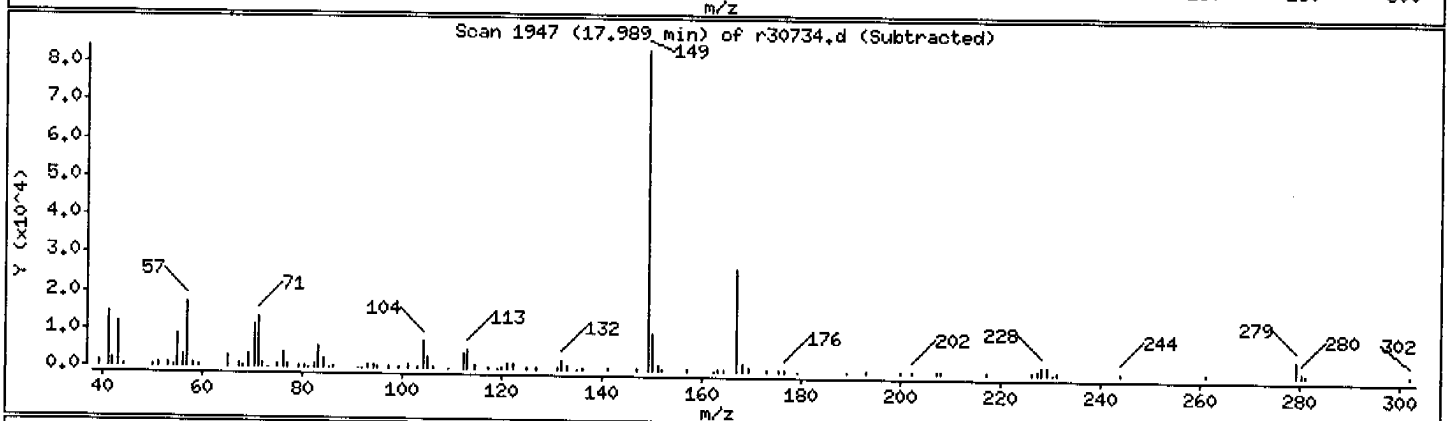
Column phase: DB-5

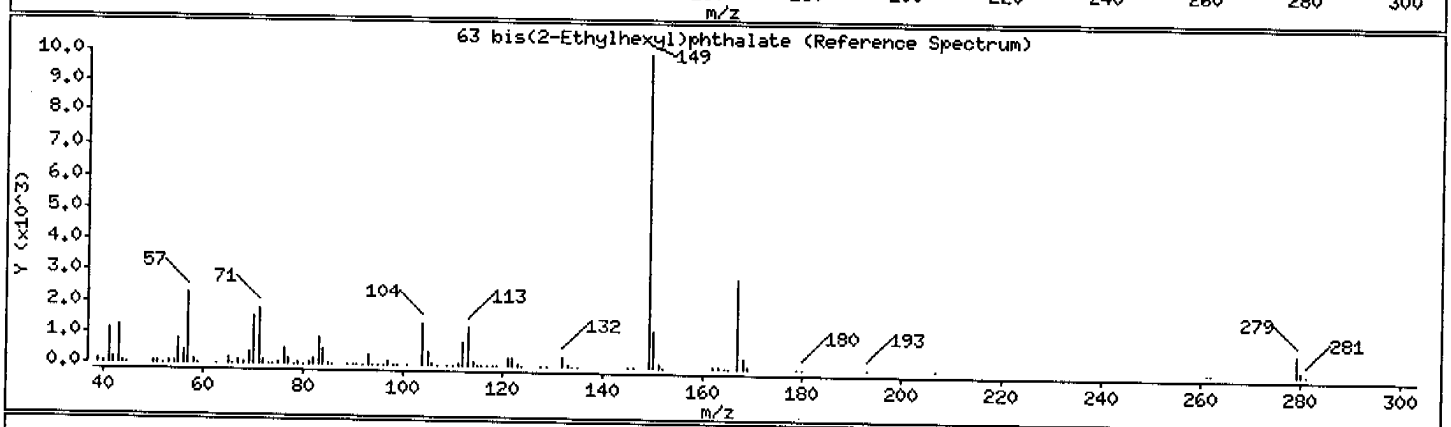
Column diameter: 0.25

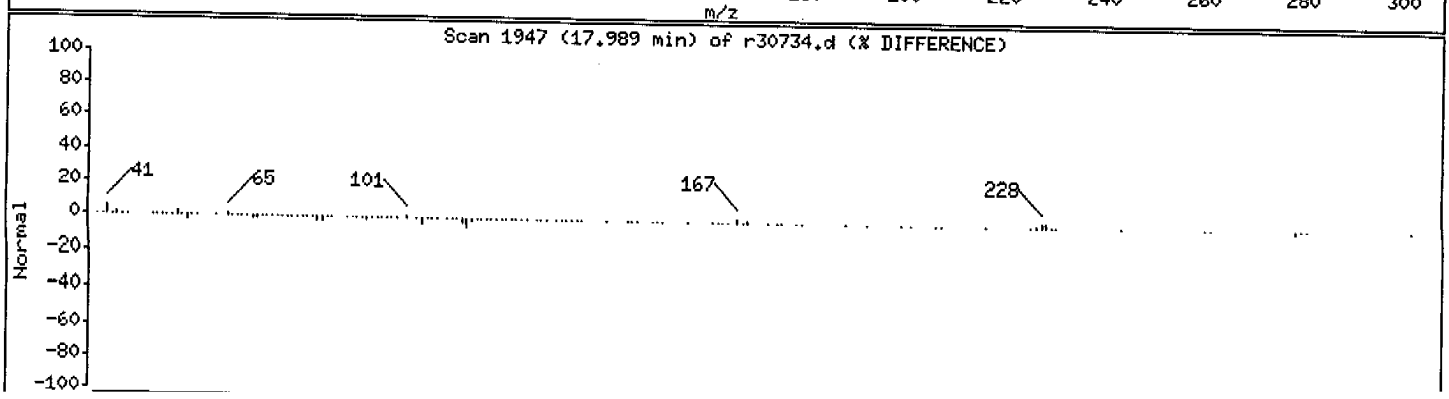
63 bis(2-Ethylhexyl)phthalate

Concentration: 490 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

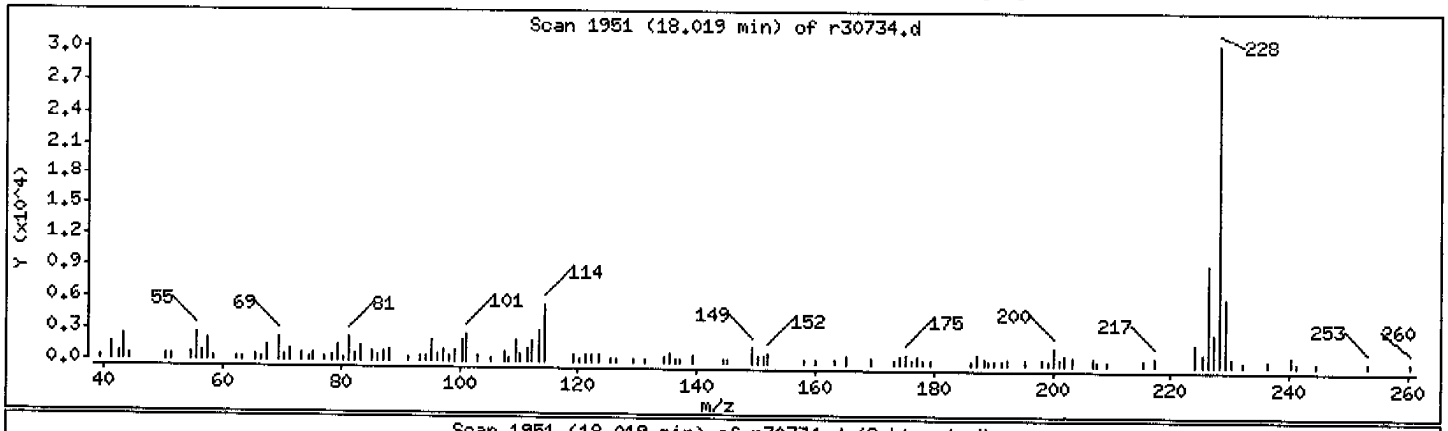
Operator: BNAMS 4

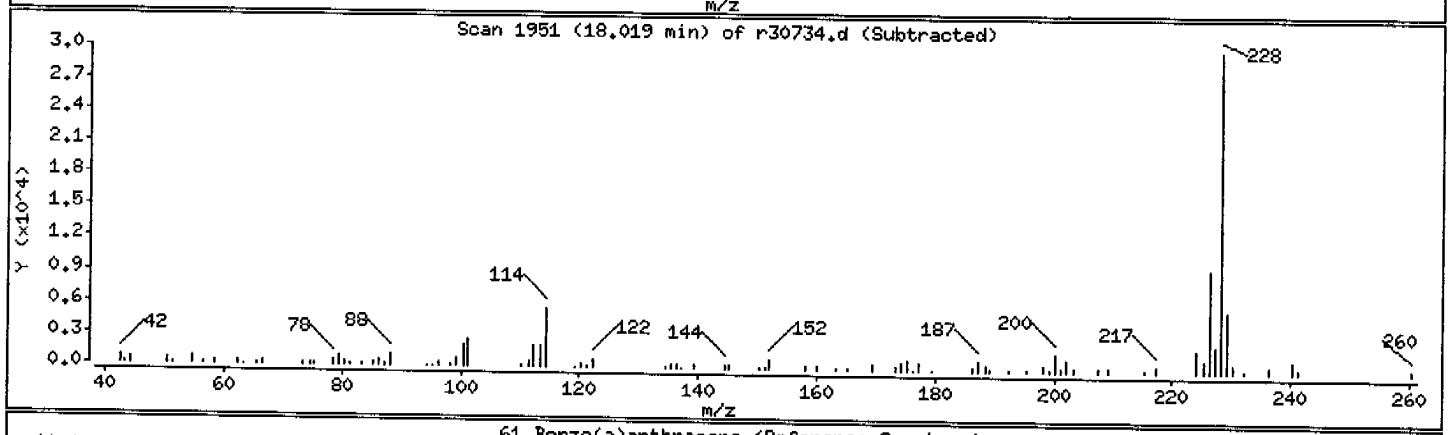
Column phase: DB-5

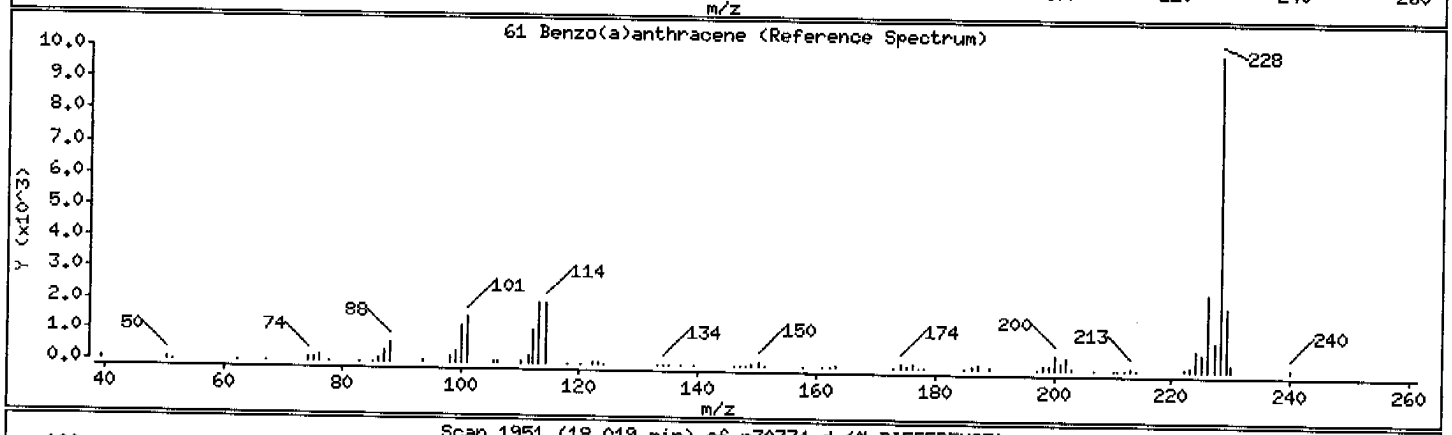
Column diameter: 0.25

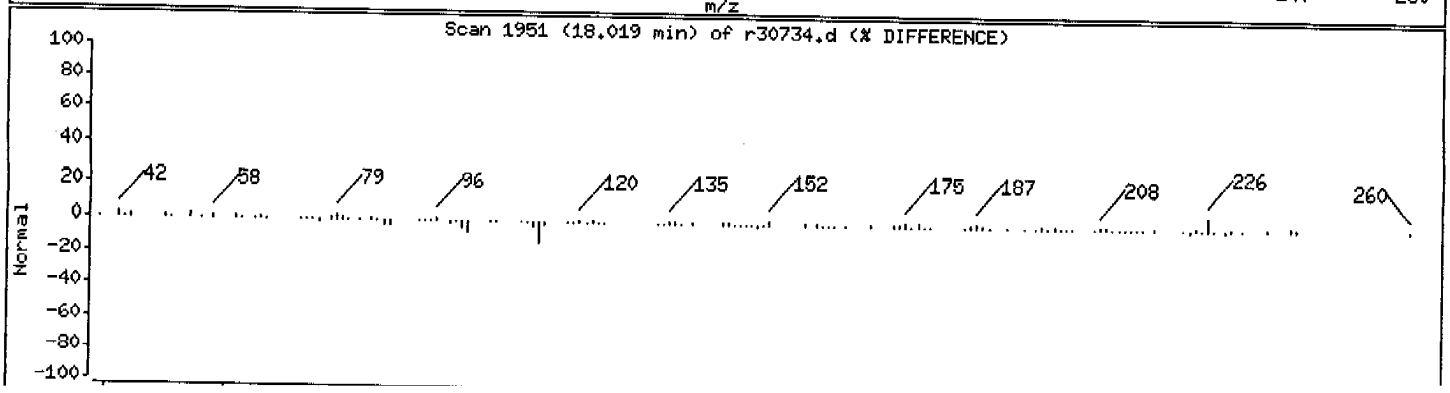
61 Benzo(a)anthracene

Concentration: 200 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

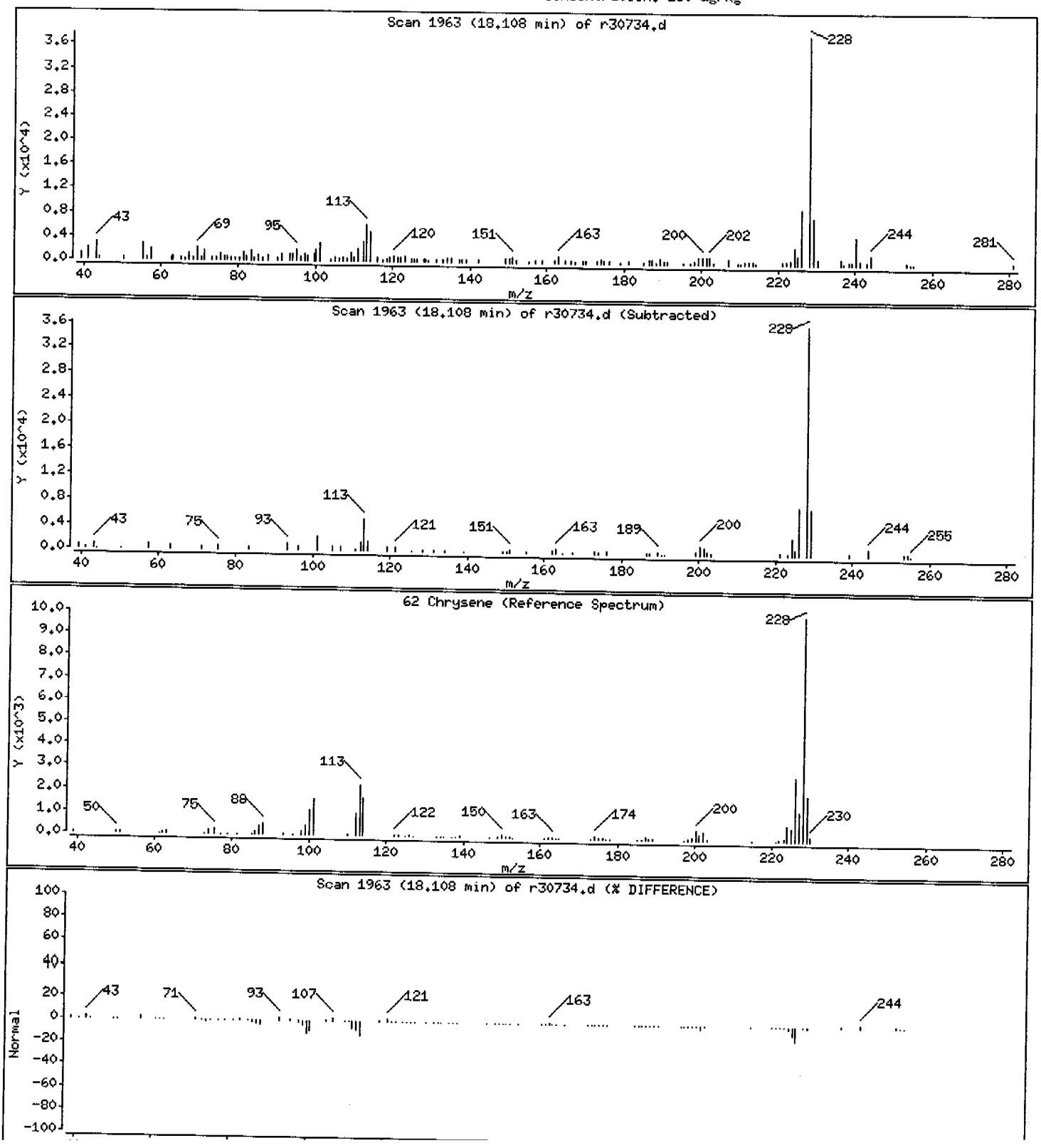
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 250 ug/Kg



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Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

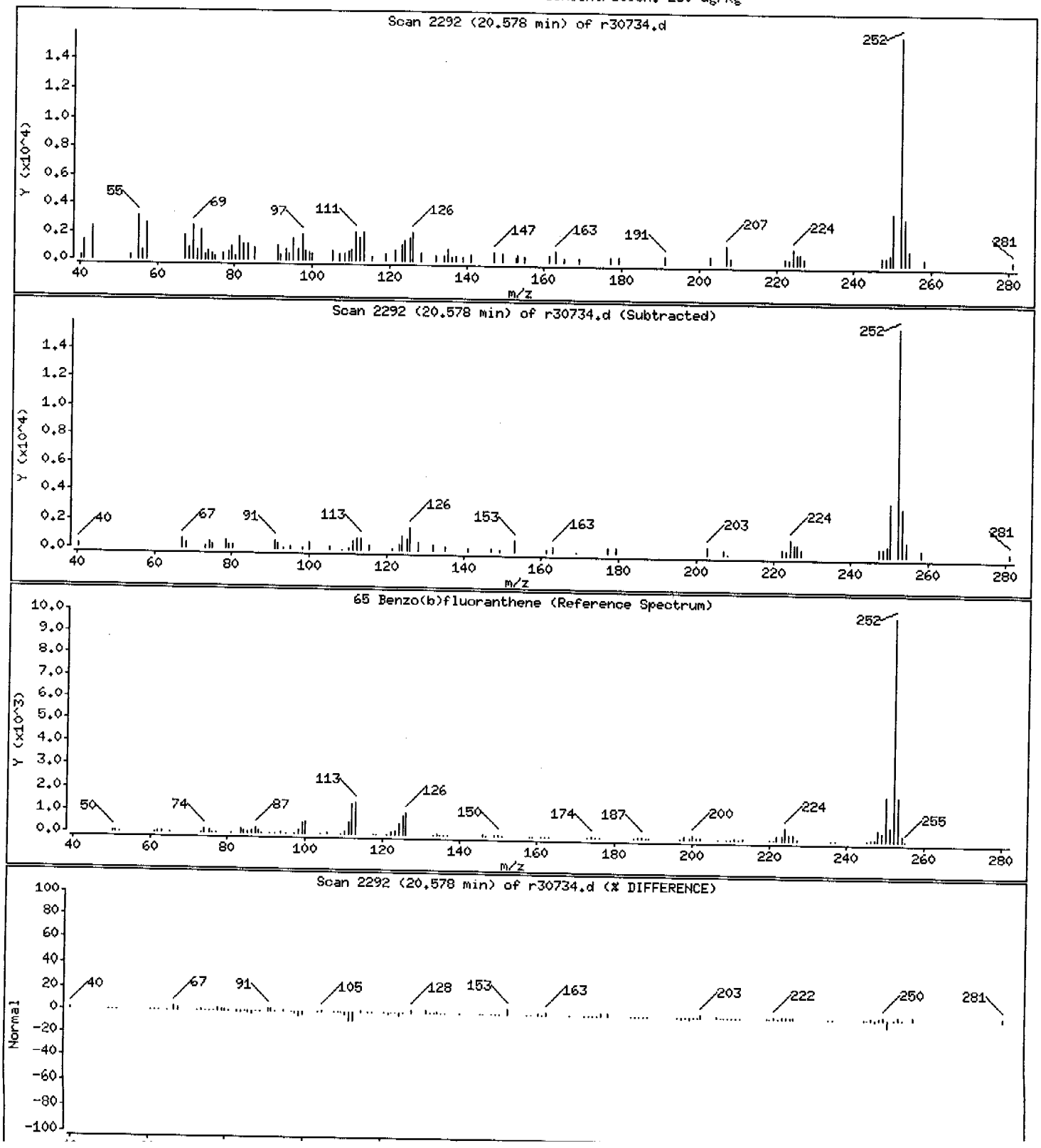
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 230 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

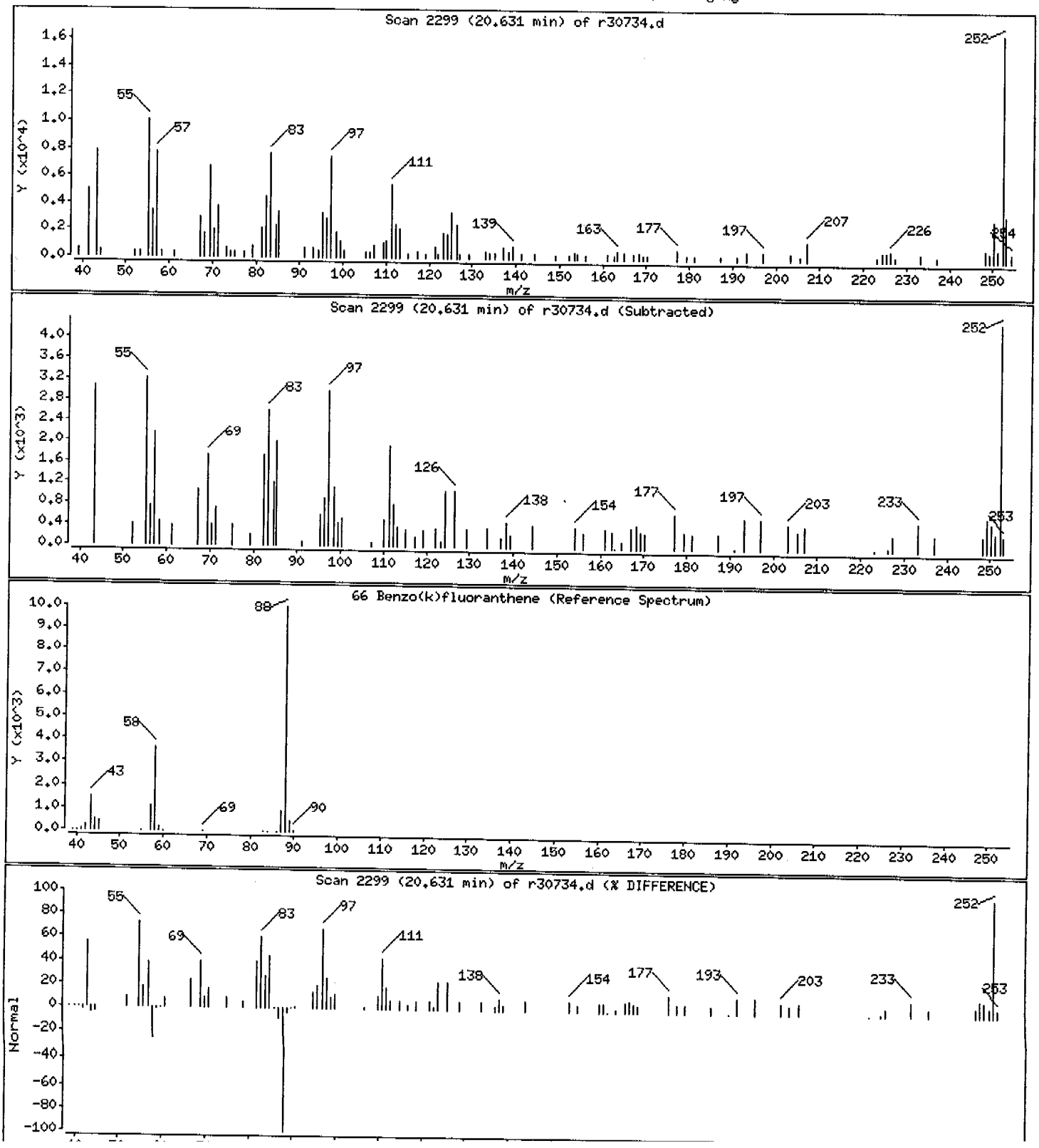
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

66 Benzo(k)fluoranthene

Concentration: 310 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

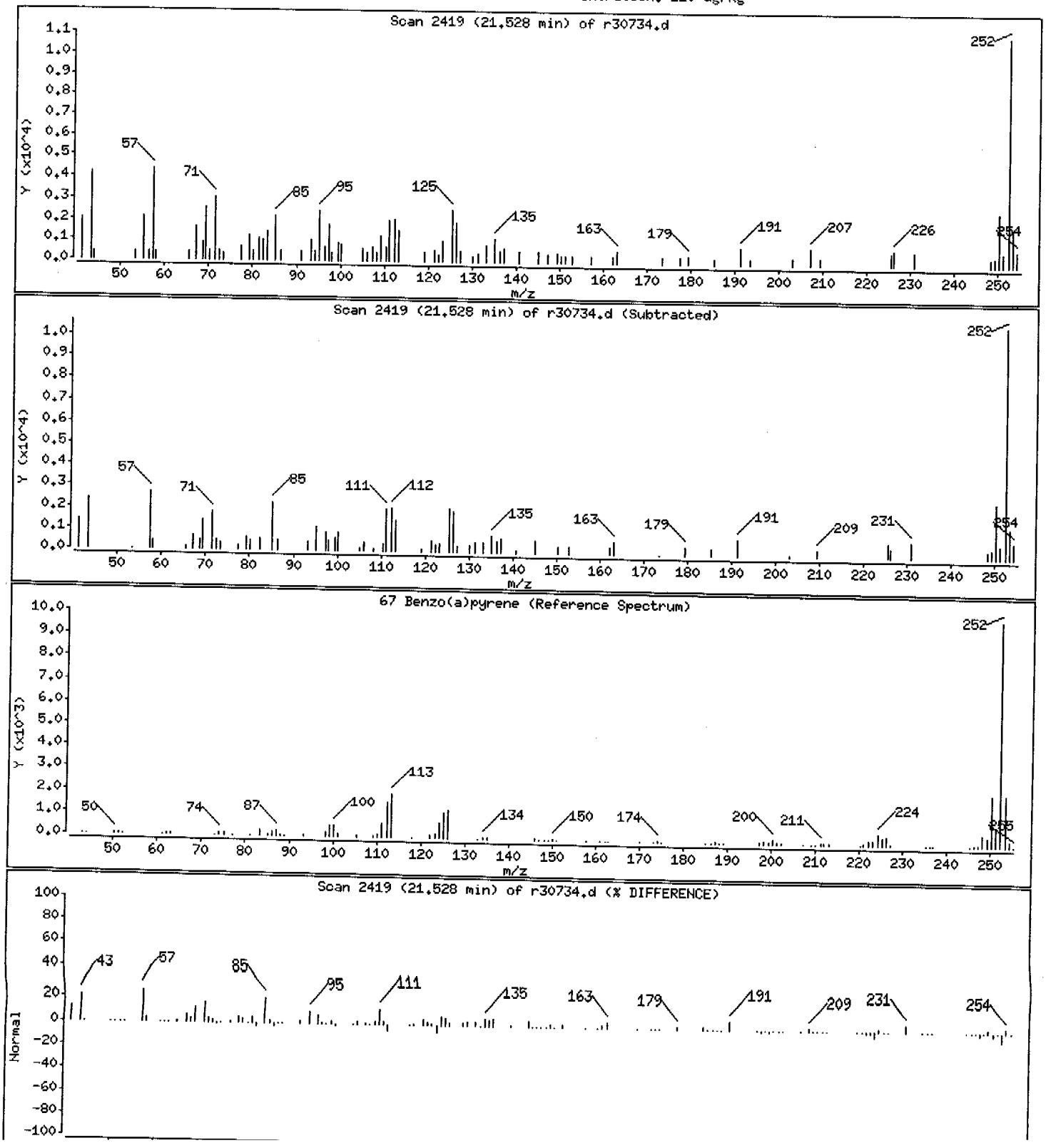
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 210 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

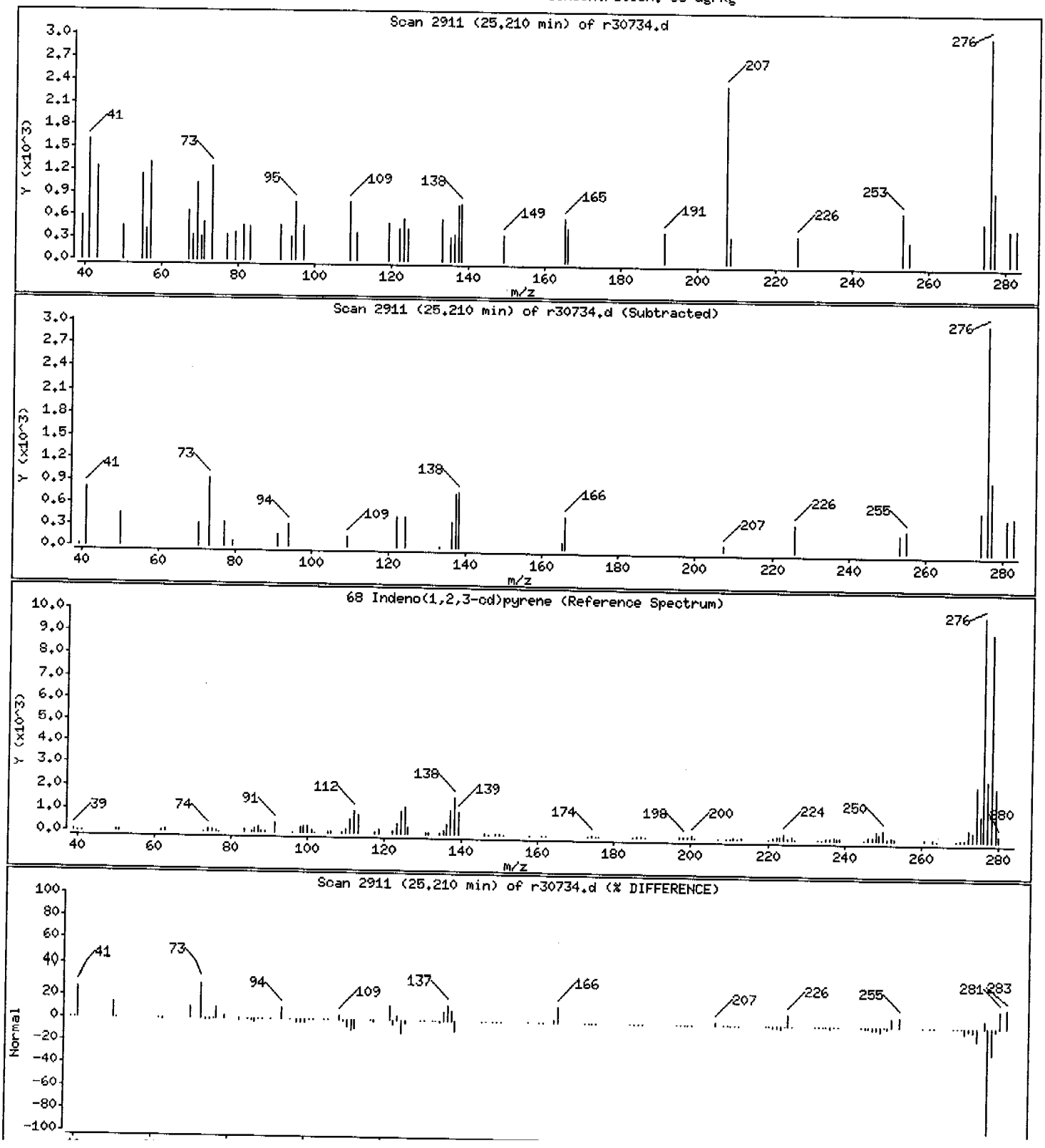
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene

Concentration: 55 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

Sample Info: 775278;3281006

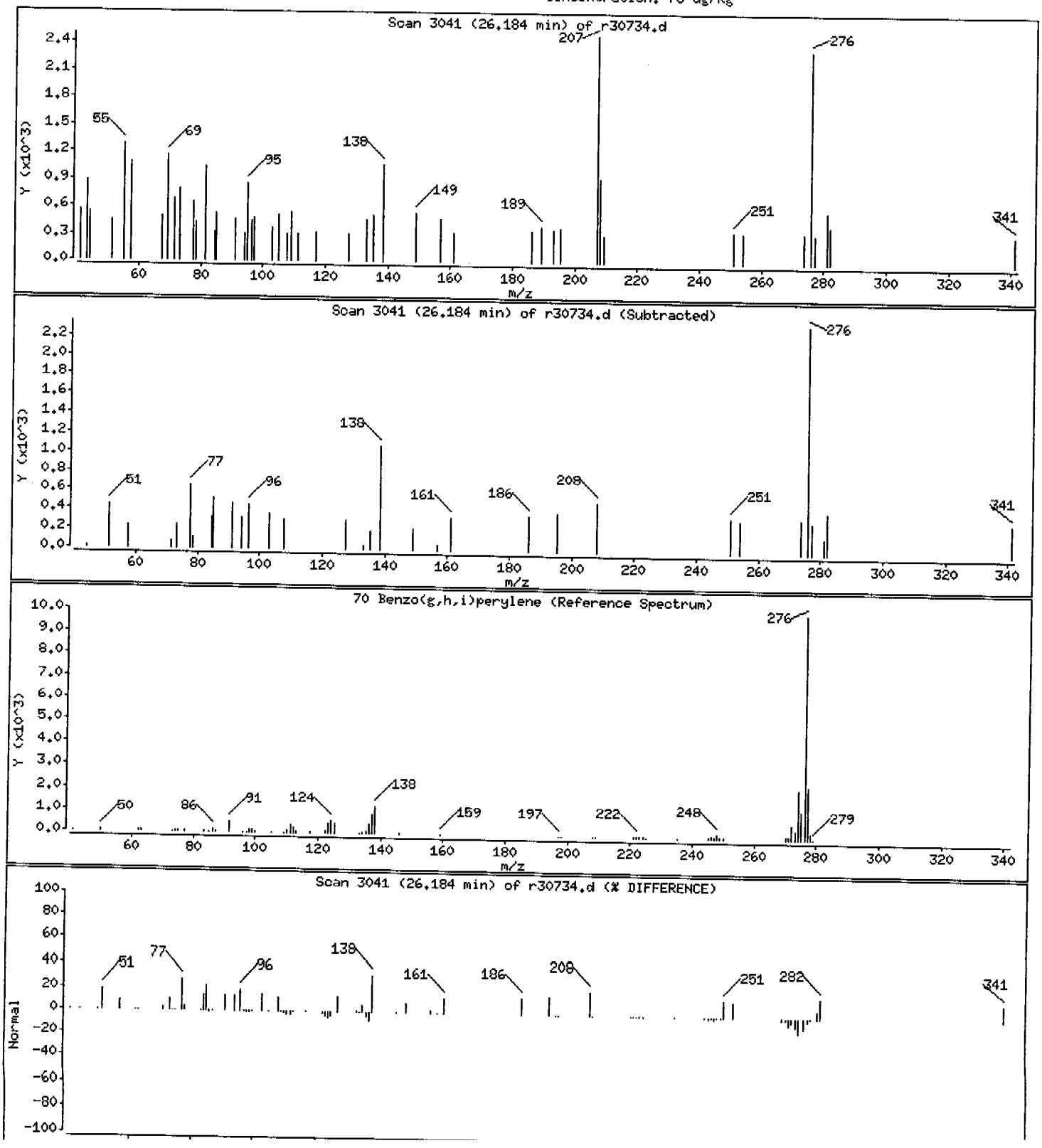
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

70 Benzo(g,h,i)perylene

Concentration: 73 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

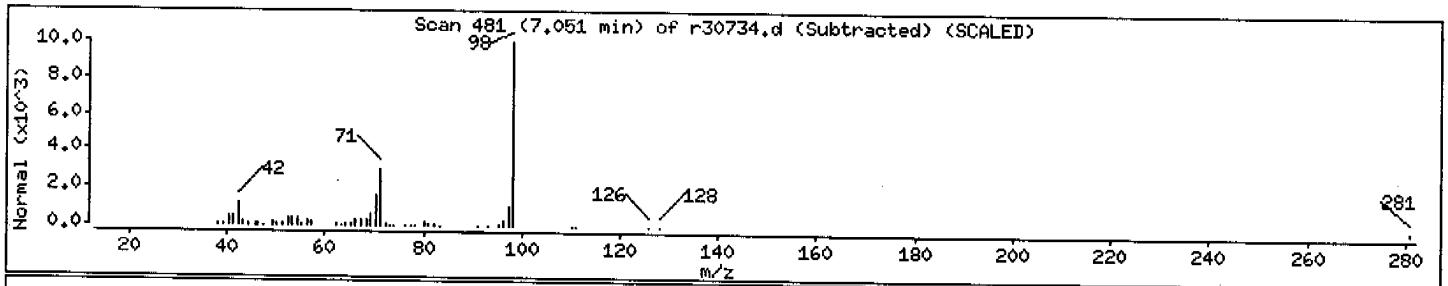
Client ID: B1410-SS01 Instrument: BNAMS1.i

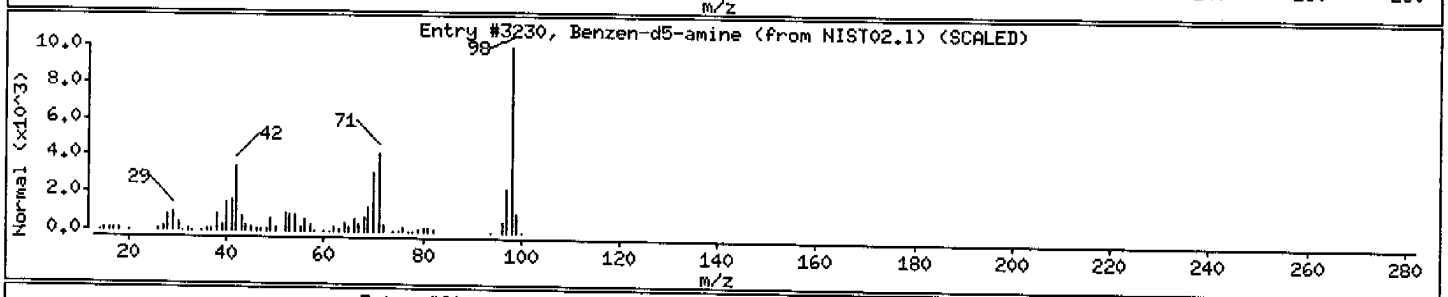
Sample Info: 775278;3281006

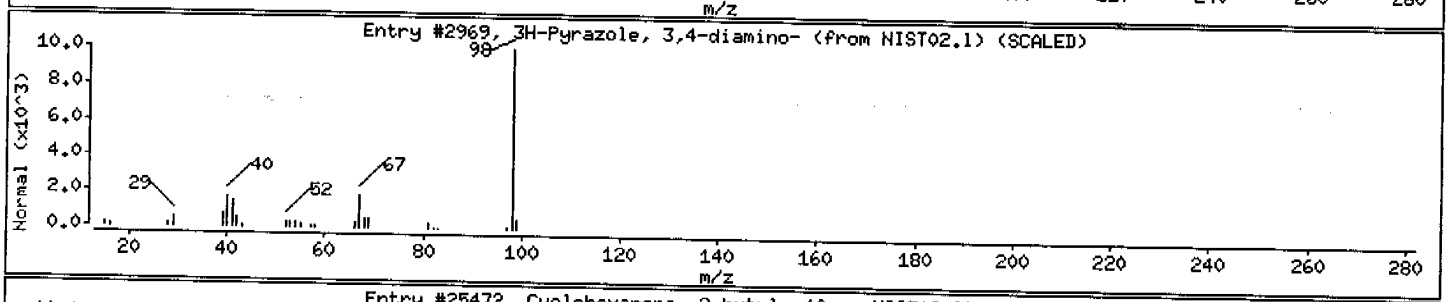
Operator: BNAMS 4

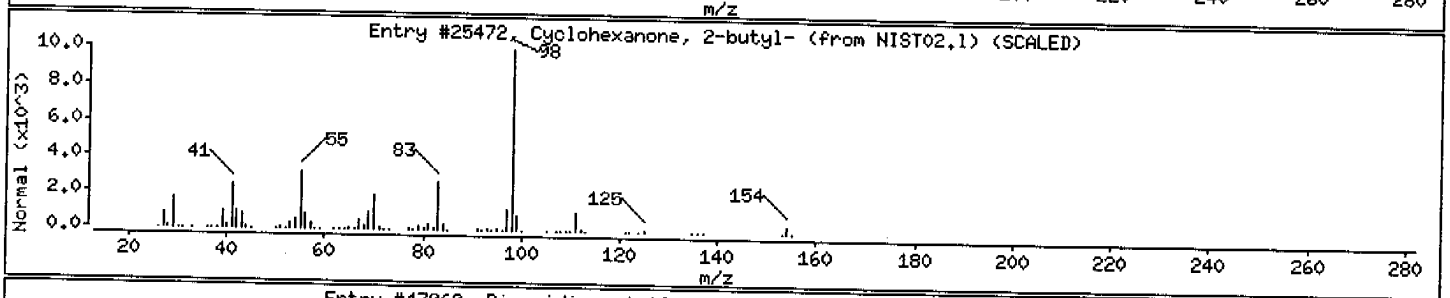
Column phase: DB-5 Column diameter: 0.25

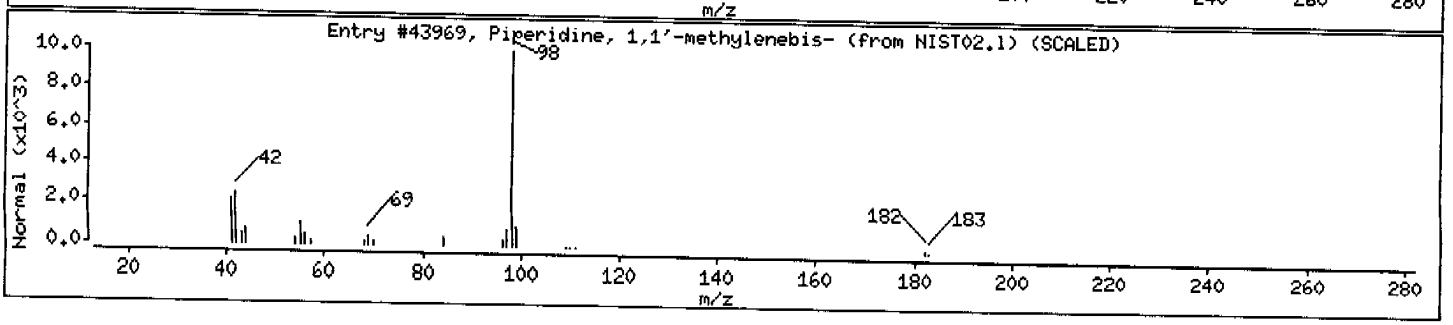
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzen-d5-amine	4165-61-1	NIST02.l	3230	72	C6H2D5N	98
3H-Pyrazole, 3,4-diamino-	1000288-40-0	NIST02.l	2969	47	C3H6N4	98
Cyclohexanone, 2-butyl-	1126-18-7	NIST02.l	25472	45	C10H18O	154
Piperidine, 1,1'-methylenebis-	880-09-1	NIST02.l	43969	42	C11H22N2	182











Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

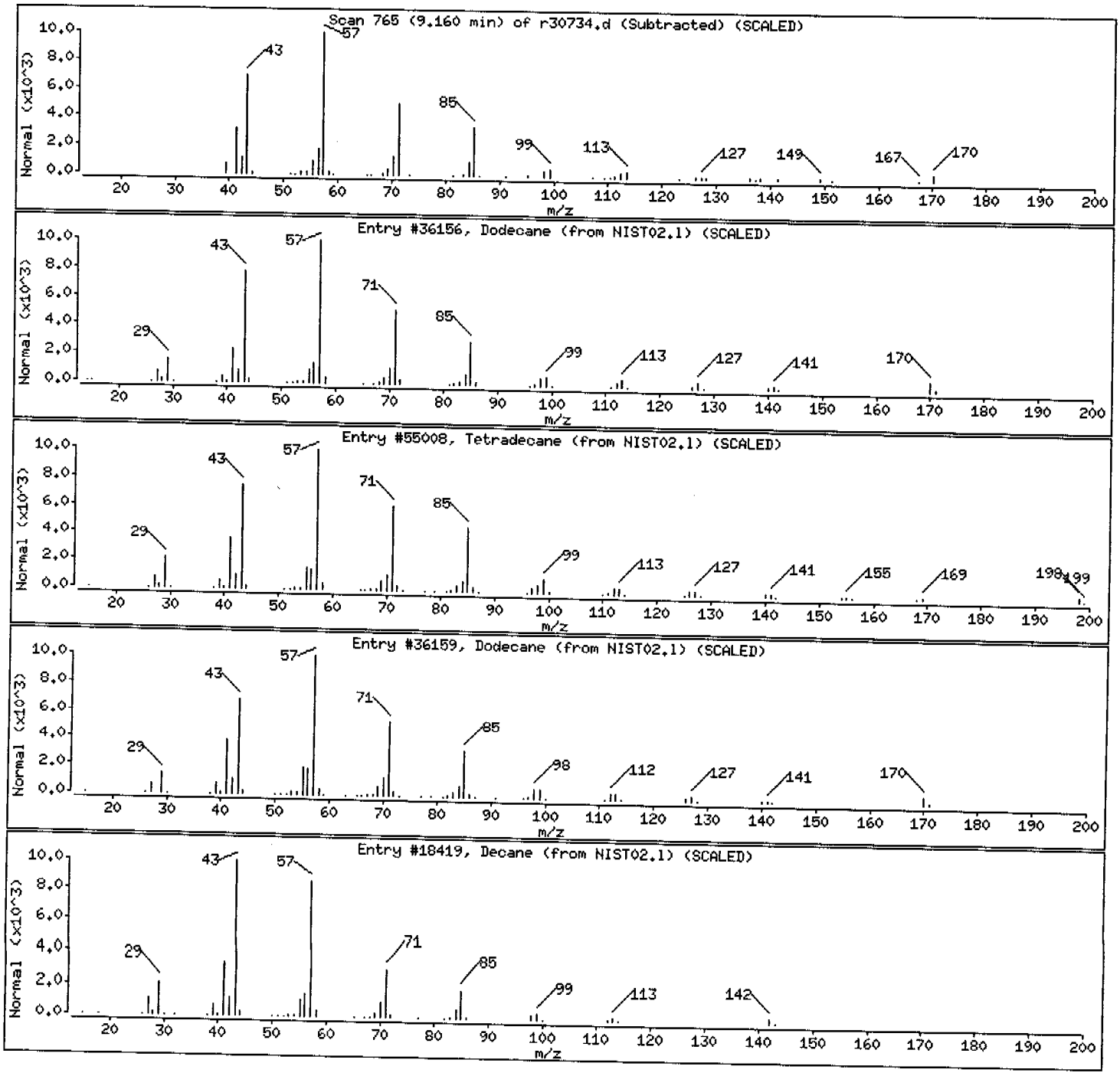
Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane	112-40-3	NIST02.l	36156	90	C12H26	170
Tetradecane	629-59-4	NIST02.l	55008	90	C14H30	198
Dodecane	112-40-3	NIST02.l	36159	87	C12H26	170
Decane	124-18-5	NIST02.l	18419	83	C10H22	142



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

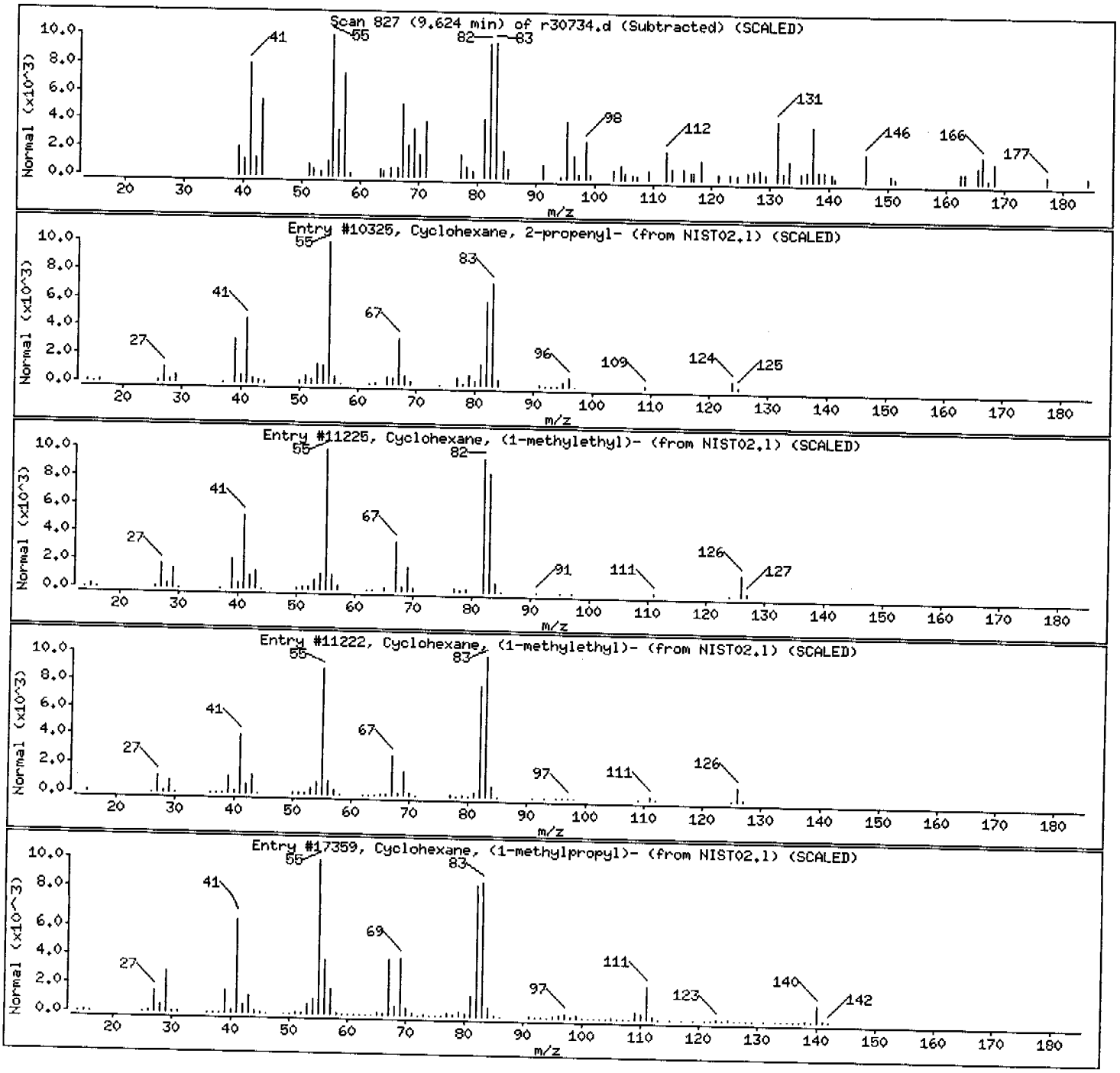
Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 2-propenyl-	2114-42-3	NIST02.l	10325	38	C9H16	124
Cyclohexane, (1-methylethyl)-	696-29-7	NIST02.l	11225	38	C9H18	126
Cyclohexane, (1-methylethyl)-	696-29-7	NIST02.l	11222	35	C9H18	126
Cyclohexane, (1-methylpropyl)-	7058-01-7	NIST02.l	17359	35	C10H20	140



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

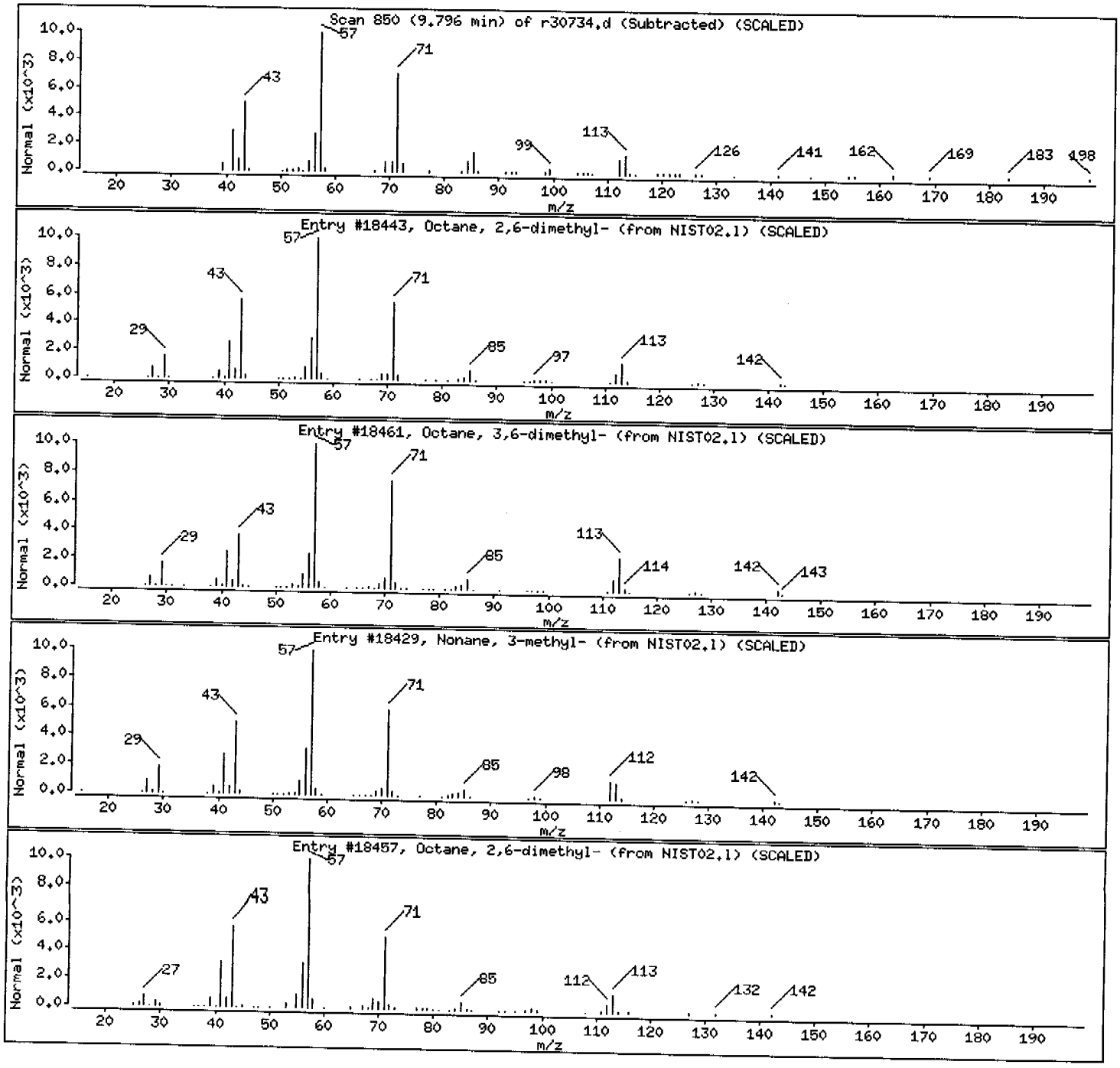
Date : 09-OCT-2006 17:33

Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octane, 2,6-dimethyl-	2051-30-1	NIST02.l	18443	83	C10H22	142
Octane, 3,6-dimethyl-	15869-94-0	NIST02.l	18461	78	C10H22	142
Nonane, 3-methyl-	5911-04-6	NIST02.l	18429	78	C10H22	142
Octane, 2,6-dimethyl-	2051-30-1	NIST02.l	18457	72	C10H22	142



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

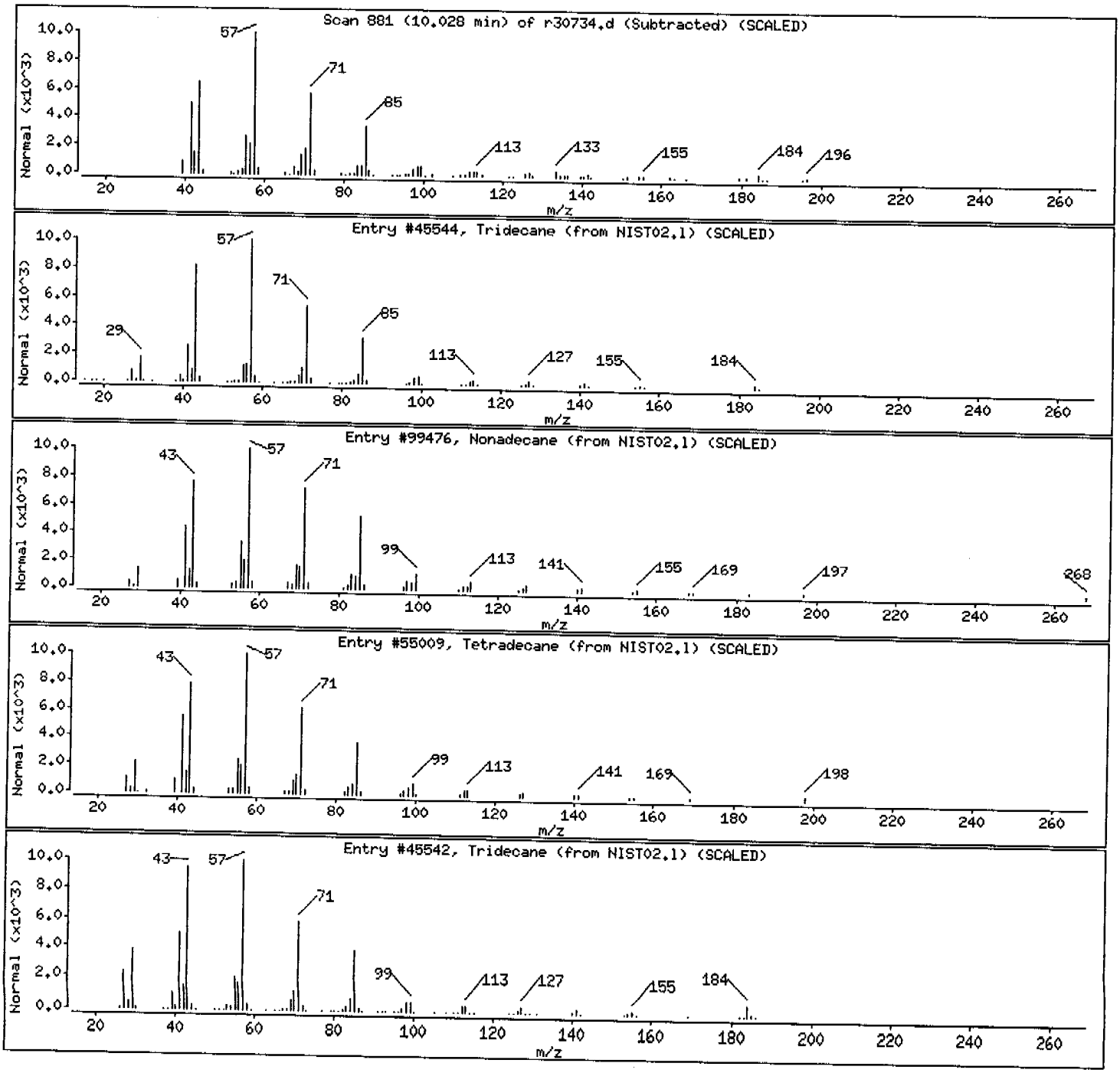
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	NIST02.l	45544	87	C13H28	184
Nonadecane	629-92-5	NIST02.l	99476	86	C19H40	268
Tetradecane	629-59-4	NIST02.l	55009	83	C14H30	198
Tridecane	629-50-5	NIST02.l	45542	72	C13H28	184



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

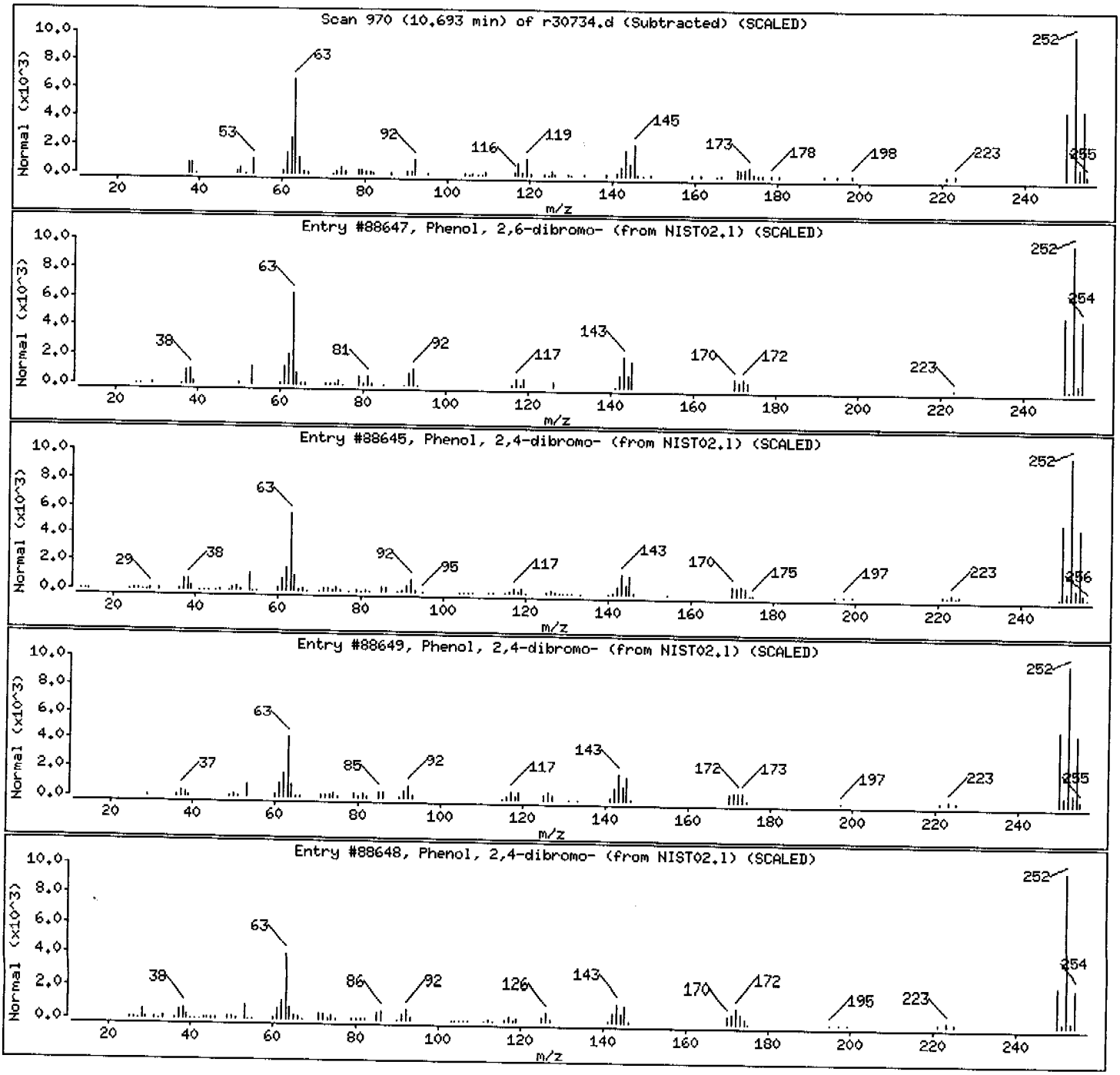
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dibromophenol Isomer						
Phenol, 2,6-dibromo-	608-33-3	NIST02.1	88647	97	C6H4Br2O	250
Phenol, 2,4-dibromo-	615-58-7	NIST02.1	88645	91	C6H4Br2O	250
Phenol, 2,4-dibromo-	615-58-7	NIST02.1	88649	87	C6H4Br2O	250
Phenol, 2,4-dibromo-	615-58-7	NIST02.1	88648	83	C6H4Br2O	250



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Date : 09-OCT-2006 17:33

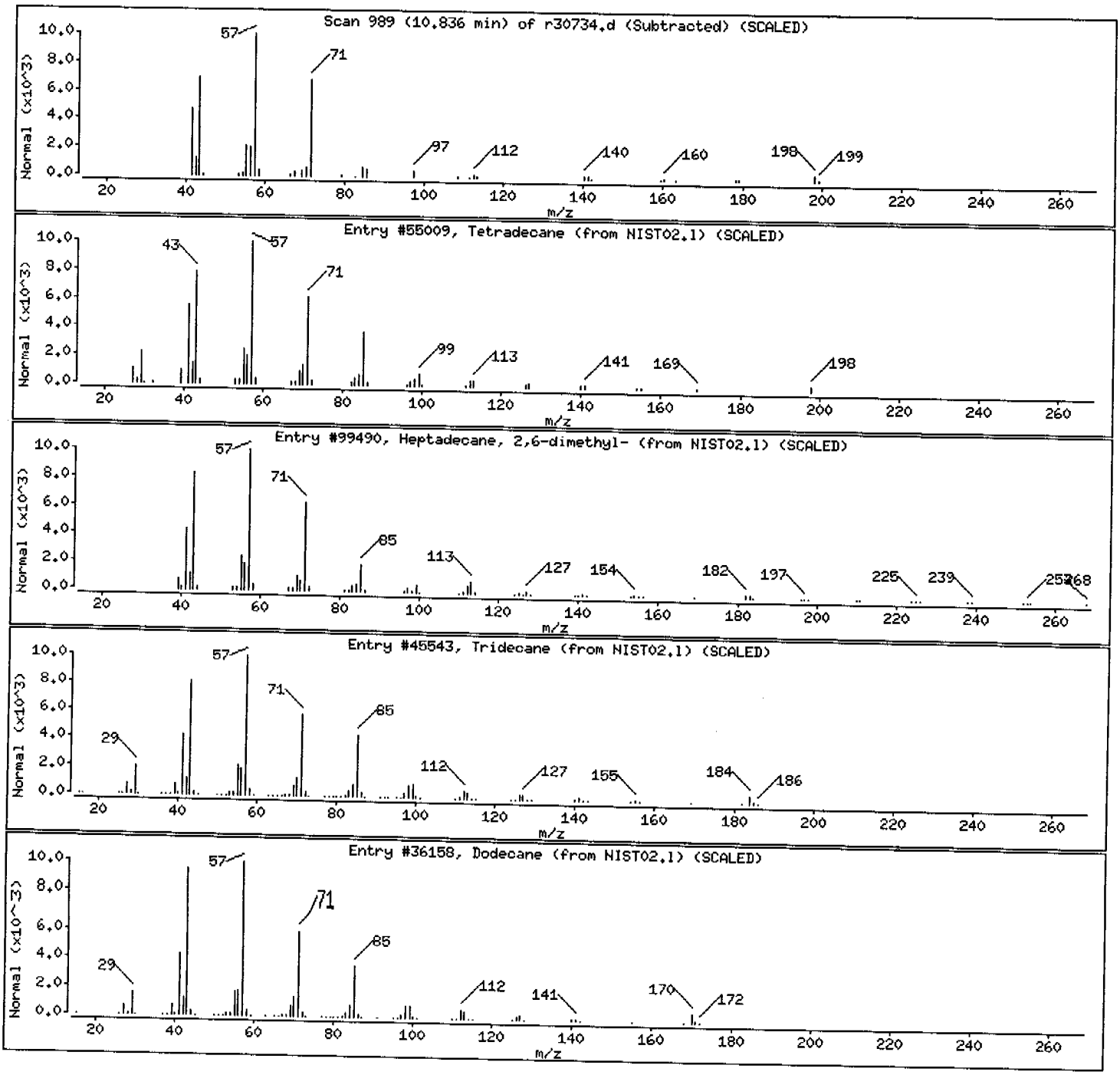
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278:3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane	629-59-4	NIST02.l	55009	72	C14H30	198
Heptadecane, 2,6-dimethyl-	54105-67-8	NIST02.l	99490	72	C19H40	268
Tridecane	629-50-5	NIST02.l	45543	64	C13H28	184
Dodecane	112-40-3	NIST02.l	36158	64	C12H26	170



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Date : 09-OCT-2006 17:33

Client ID: B1410-SS01

Instrument: BNAMS1.i

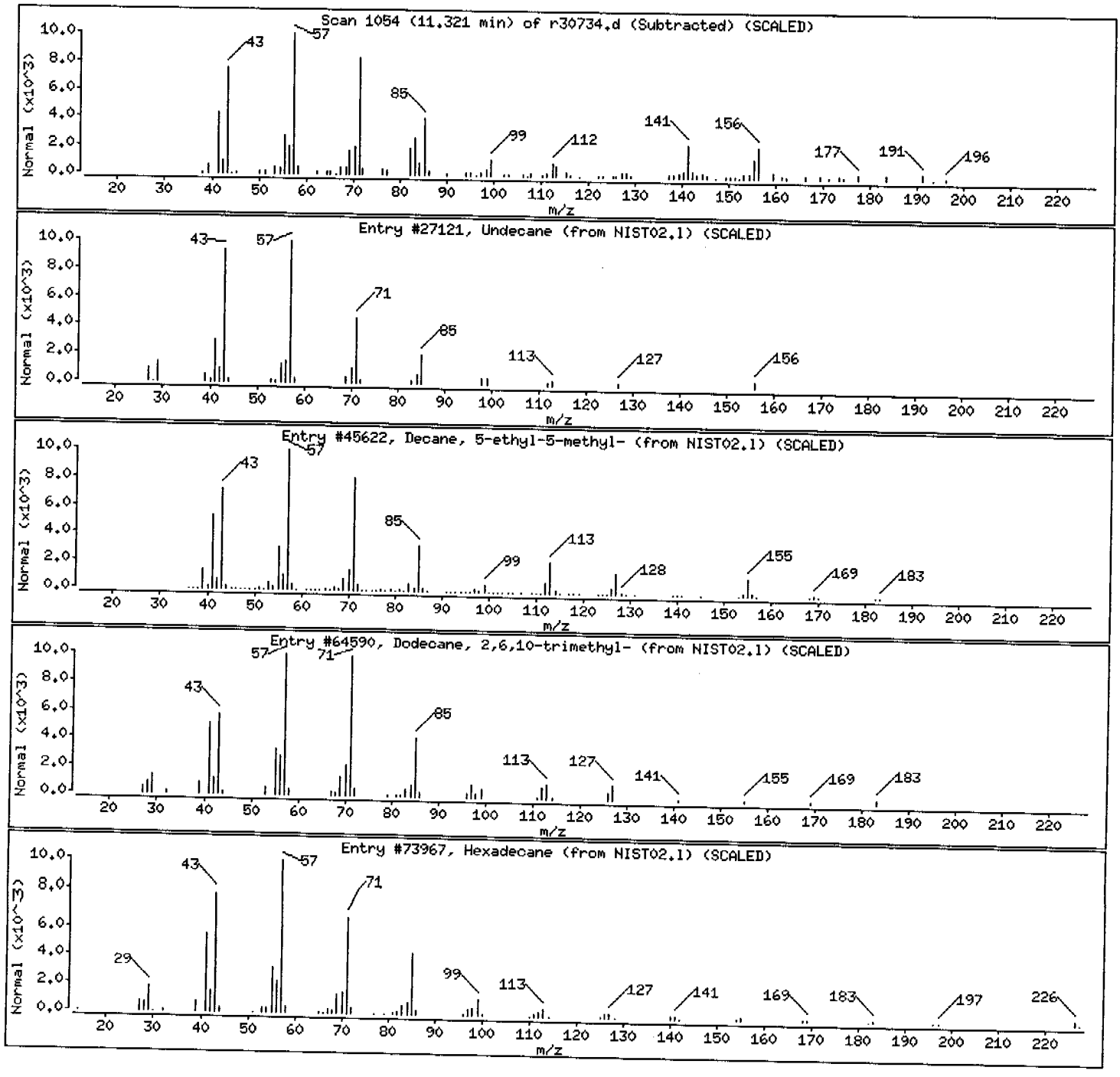
Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane	1120-21-4	NIST02.l	27121	68	C11H24	156
Decane, 5-ethyl-5-methyl-	17312-74-2	NIST02.l	45622	53	C13H28	184
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	52	C15H32	212
Hexadecane	544-76-3	NIST02.l	73967	52	C16H34	226



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Date : 09-OCT-2006 17:33

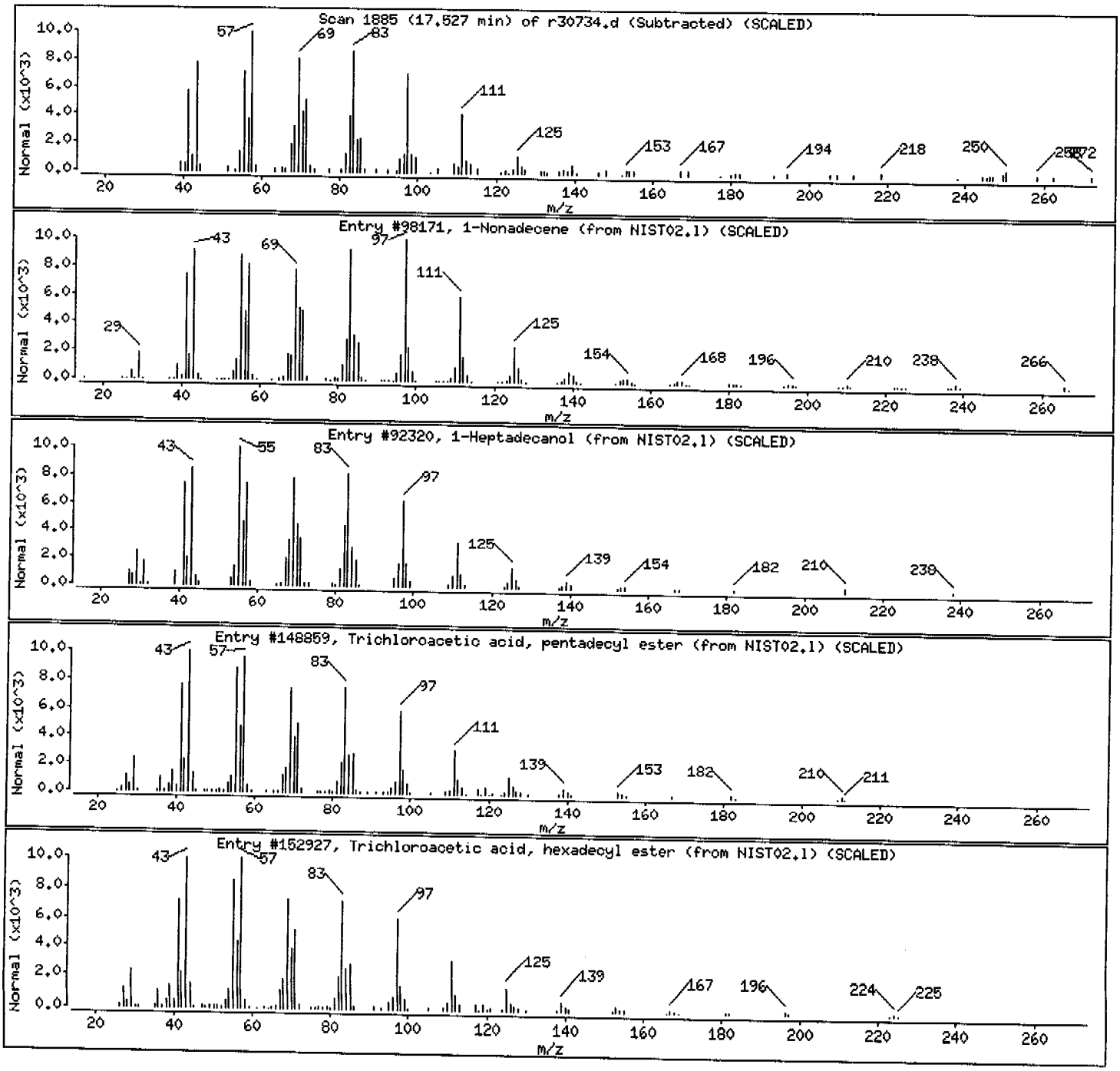
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Nonadecene	18435-45-5	NIST02.l	98171	90	C19H38	266
1-Heptadecanol	1454-85-9	NIST02.l	92320	87	C17H36O	256
Trichloroacetic acid, pentadecyl ester	74339-53-0	NIST02.l	148859	76	C17H31Cl3O2	372
Trichloroacetic acid, hexadecyl ester	74339-54-1	NIST02.l	152927	76	C18H33Cl3O2	386



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Date : 09-OCT-2006 17:33

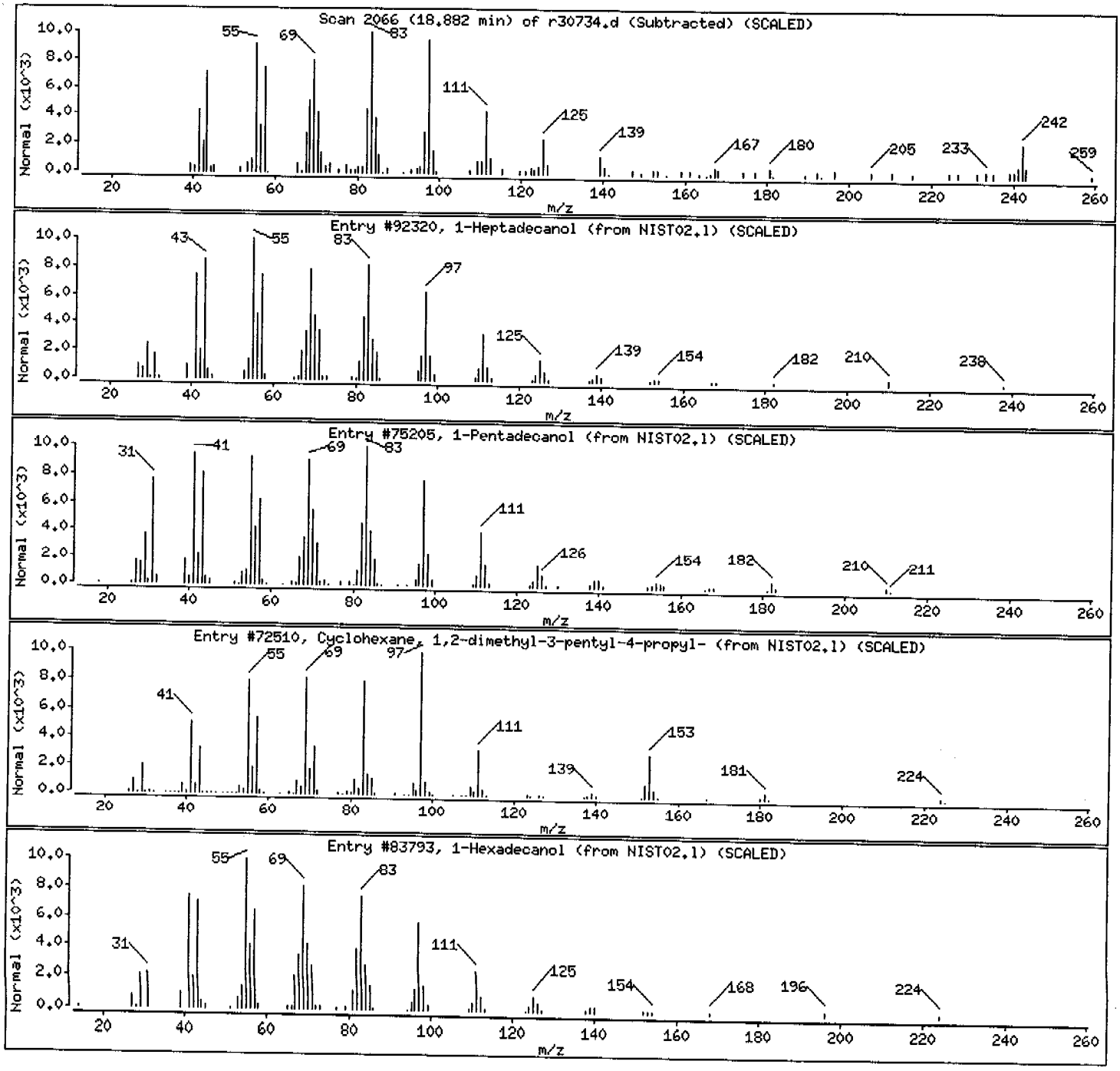
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Heptadecanol	1454-85-9	NIST02.l	92320	72	C17H360	256
1-Pentadecanol	629-76-5	NIST02.l	75205	64	C15H320	228
Cyclohexane, 1,2-dimethyl-3-pentyl-4-pro	62376-17-4	NIST02.l	72510	58	C16H32	224
1-Hexadecanol	36653-82-4	NIST02.l	83793	52	C16H340	242



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

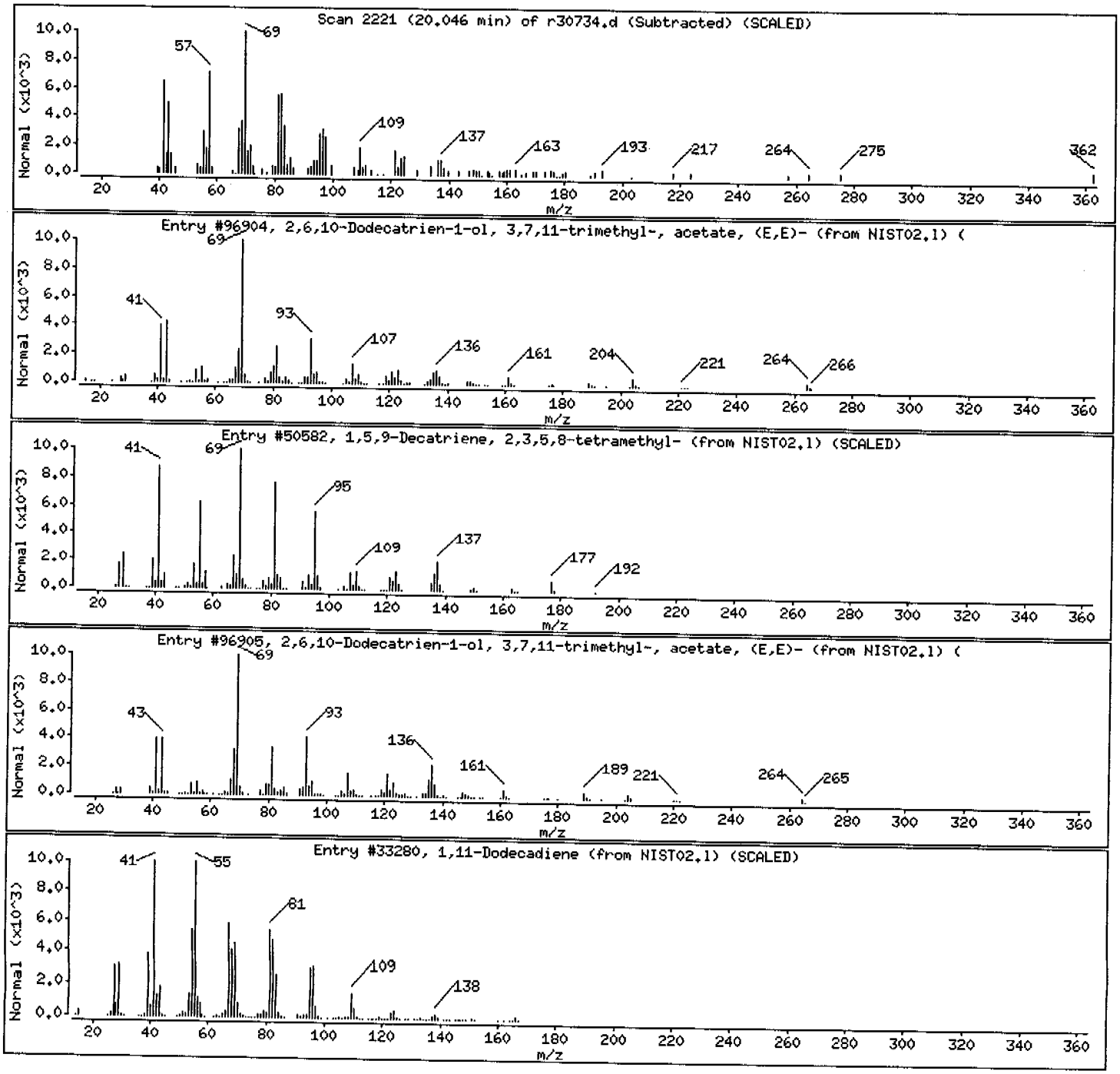
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,6,10-Dodecatrien-1-ol, 3,7,11-trimethy	4128-17-0	NIST02.l	96904	46	C17H28O2	264
1,5,9-Decatriene, 2,3,5,8-tetramethyl-	230646-72-7	NIST02.l	50582	43	C14H24	192
2,6,10-Dodecatrien-1-ol, 3,7,11-trimethy	4128-17-0	NIST02.l	96905	42	C17H28O2	264
1,11-Dodecadiene	5876-87-9	NIST02.l	33280	41	C12H22	166



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

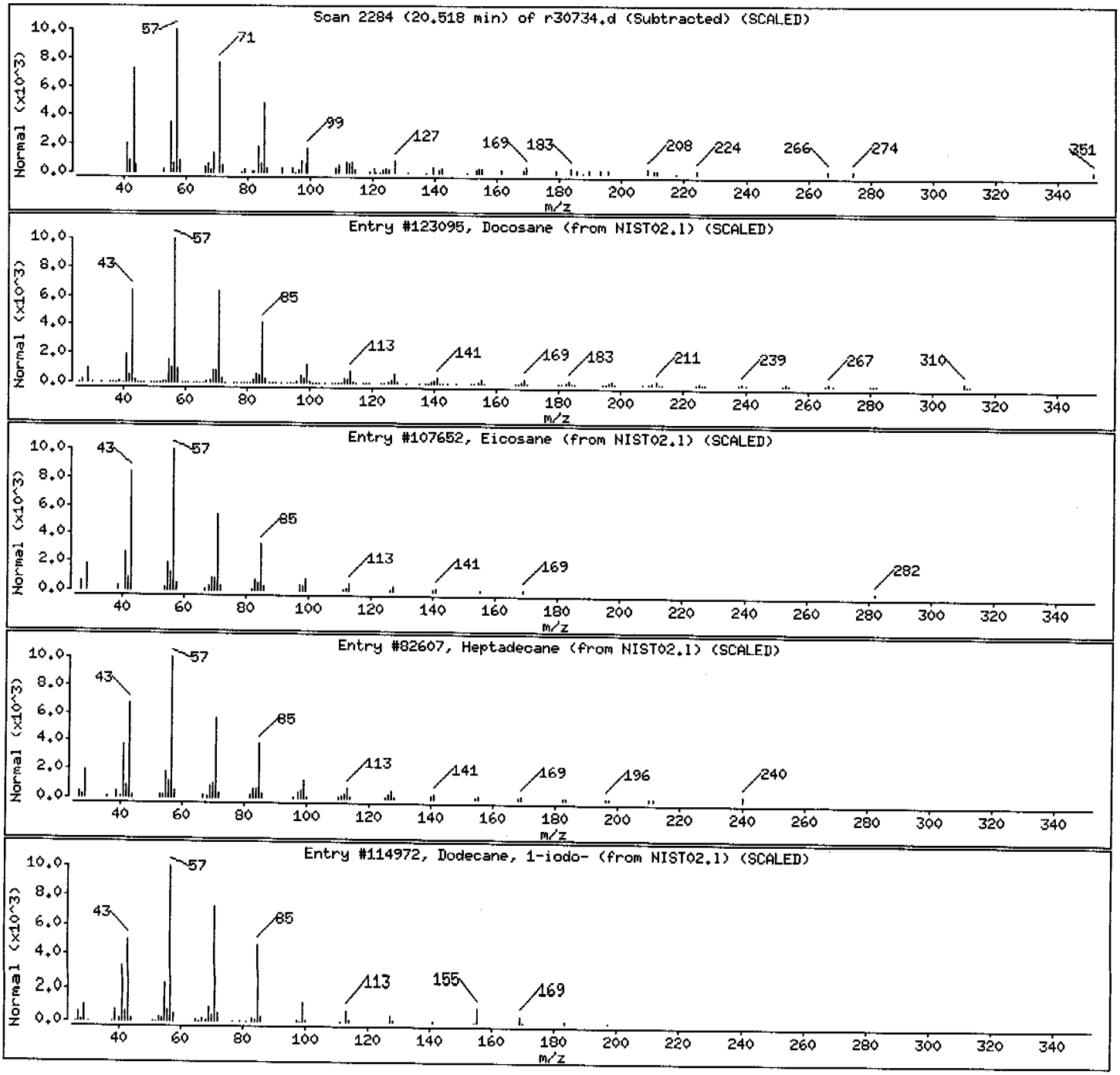
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278:3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST02.l	123095	86	C22H46	310
Eicosane	112-95-8	NIST02.l	107652	86	C20H42	282
Heptadecane	629-78-7	NIST02.l	82607	86	C17H36	240
Dodecane, 1-iodo-	4292-19-7	NIST02.l	114972	86	C12H25I	296



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30734.d

Date : 09-OCT-2006 17:33

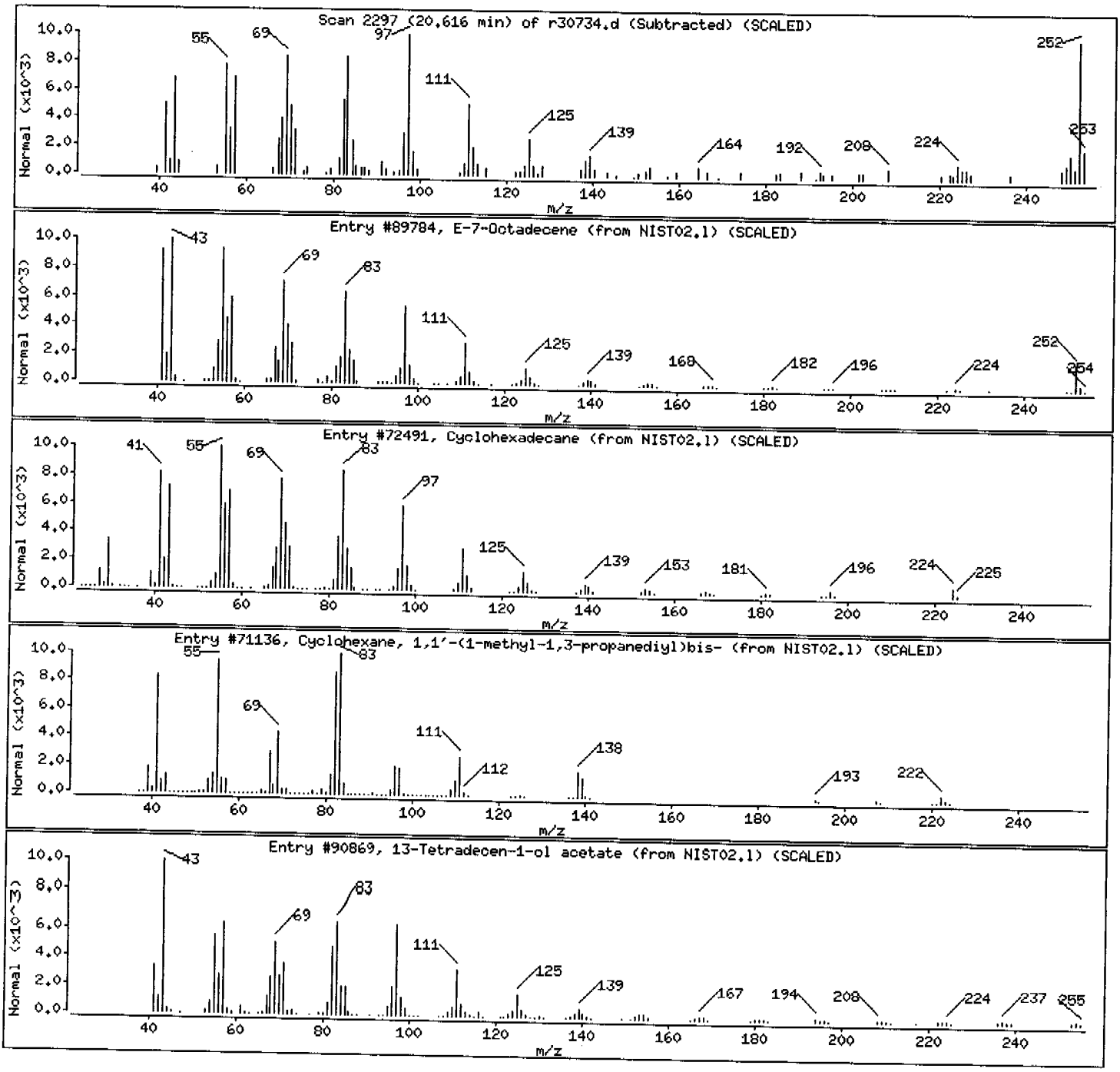
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
E-7-Octadecene	1000130-92-0	NIST02.l	89784	89	C18H36	252
Cyclohexadecane	295-65-8	NIST02.l	72491	70	C16H32	224
Cyclohexane, 1,1'-(1-methyl-1,3-propaned	41851-35-8	NIST02.l	71136	53	C16H30	222
13-Tetradecen-1-ol acetate	56221-91-1	NIST02.l	90869	43	C16H30O2	254



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Date : 09-OCT-2006 17:33

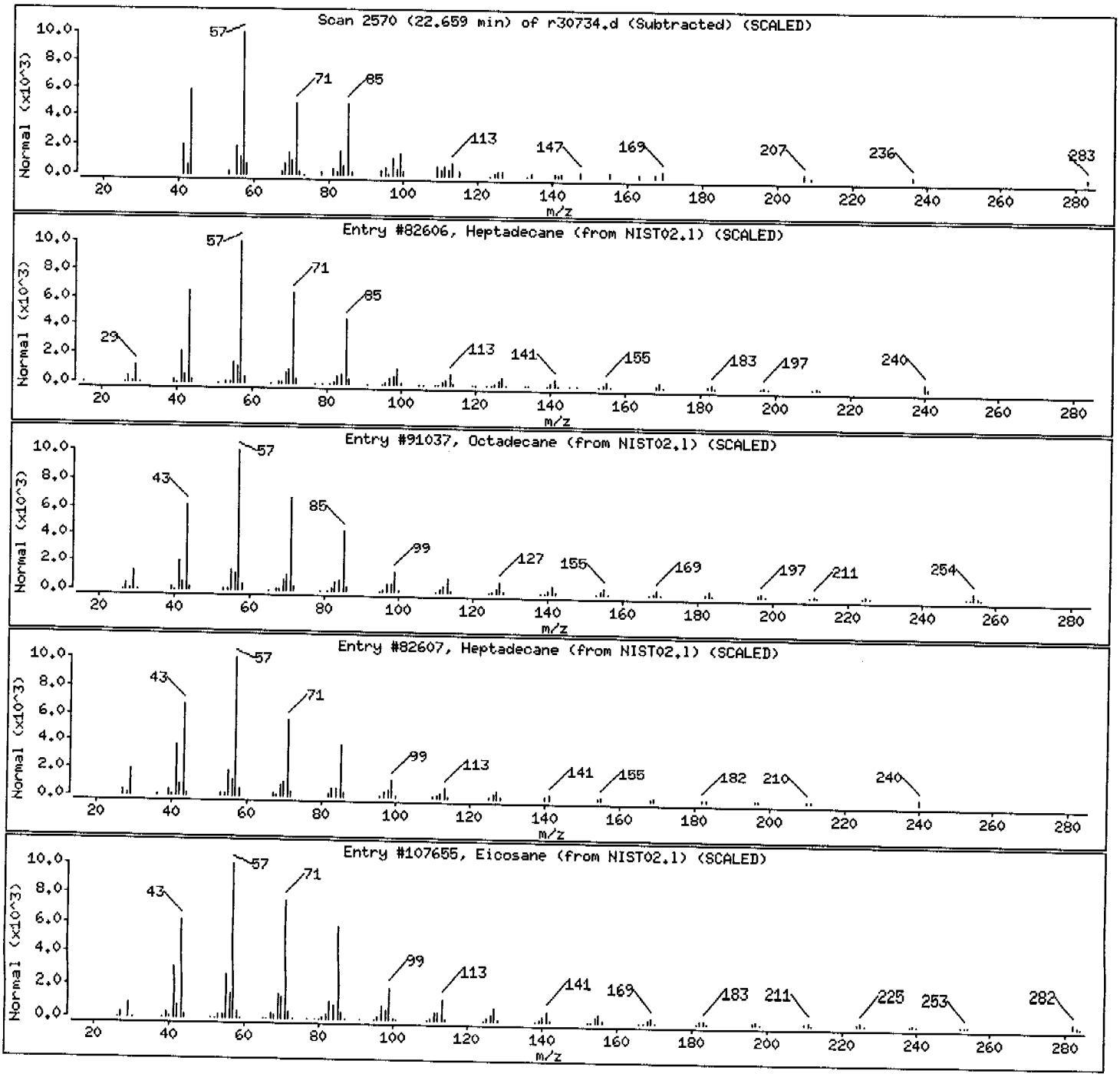
Client ID: B1410-SS01 Instrument: BNAMS1.i

Sample Info: 775278;3281006

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	NIST02.l	82606	80	C17H36	240
Octadecane	593-45-3	NIST02.l	91037	80	C18H38	254
Heptadecane	629-78-7	NIST02.l	82607	80	C17H36	240
Eicosane	112-95-8	NIST02.l	107655	72	C20H42	282



Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample No: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30695.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	29 J	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	79
2-Methylnaphthalene	14 J	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	790
Dimethylphthalate	ND	390
Acenaphthylene	36 J	390
2,6-Dinitrotoluene	ND	79
3-Nitroaniline	ND	790
Acenaphthene	29 J	390
Dibenzofuran	20 J	390
2,4-Dinitrotoluene	ND	79
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	33 J	390
4-Nitroaniline	ND	790
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	540	390
Anthracene	120 J	390

Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample No: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30695.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	63 J	390
Di-n-butylphthalate	ND	390
Fluoranthene	900	390
Pyrene	1000	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	790
Benzo(a)anthracene	500	39
Chrysene	560	390
bis(2-Ethylhexyl)phthalate	100 J	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	330	39
Benzo(k)fluoranthene	470	39
Benzo(a)pyrene	470	39
Indeno(1,2,3-cd)pyrene	180	39
Dibenz(a,h)anthracene	61	39
Benzo(g,h,i)perylene	190 J	390

Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample No: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30695.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	17.60	400	
2.	C19H14 PAH/Unknown	18.96	440	
3.	Unknown Alkane	20.62	500	
4.	C20H12 PAH	20.71	1900	
5.	C20H12 PAH	21.48	370	
6.	Unknown Alkane	22.79	700	
7.	Unknown	22.96	440	
8.	Unknown	25.53	370	
9.				
10.				
11.				
12.				
13.				
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16.				
17.				
18.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 5120

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d
Lab Smp Id: 775279 Client Smp ID: B1410-SS02
Inj Date : 06-OCT-2006 15:19
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775279;3281023
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	15.30000	% Moisture

Cpnd Variable Local Compound Variable

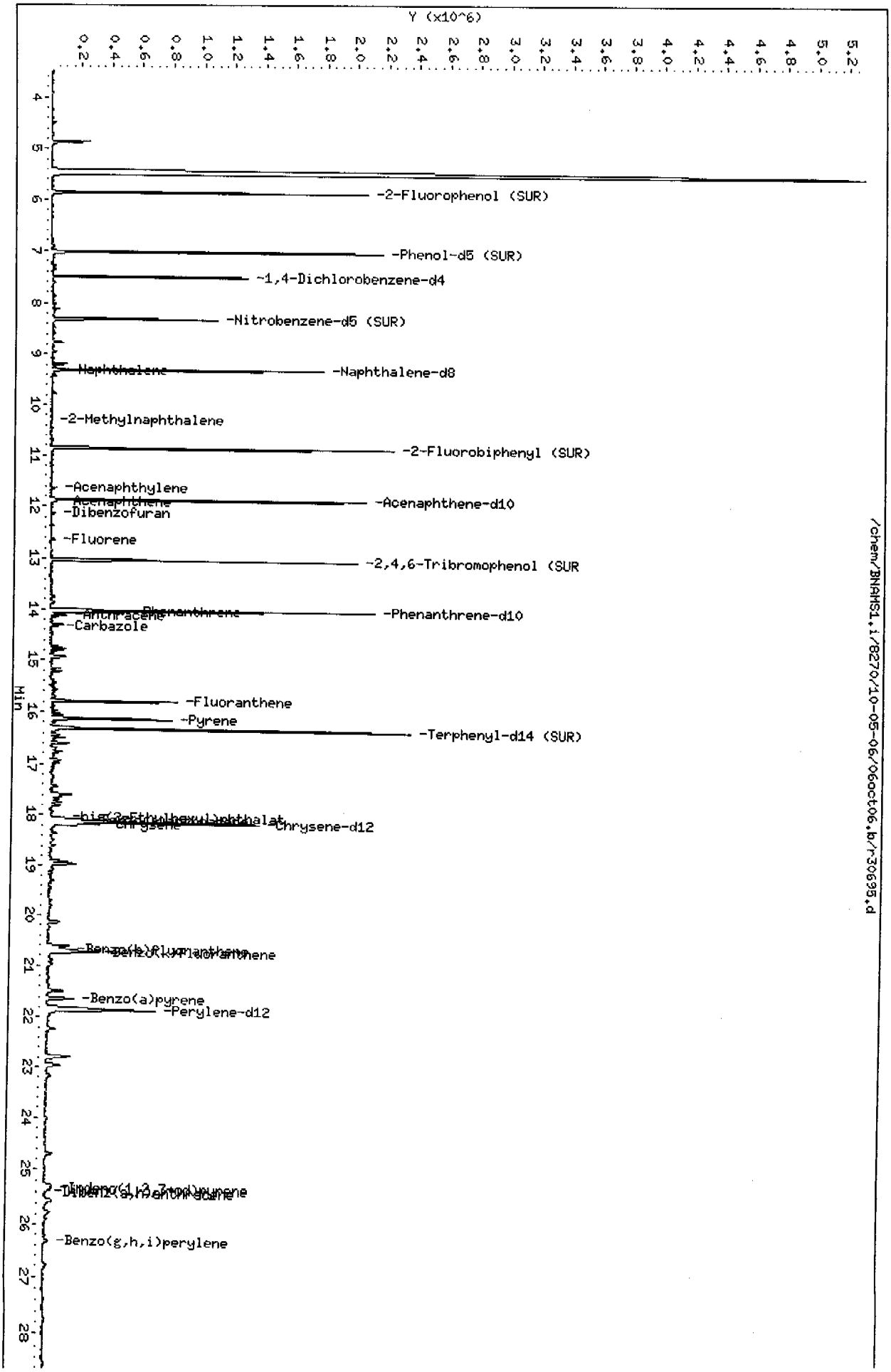
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.854	5.826	(0.779)	822232	77.6545	6100
$	17 Phenol-d5 (SUR)	99	7.024	7.012	(0.935)	1069280	81.2385	6400
*	79 1,4-Dichlorobenzene-d4	152	7.512	7.499	(1.000)	282720	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.312	8.302	(0.893)	435960	38.6980	3000
*	80 Naphthalene-d8	136	9.305	9.293	(1.000)	1099088	40.0000	
	31 Naphthalene	128	9.328	9.330	(1.002)	9994	0.36380	29(a)
	34 2-Methylnaphthalene	142	10.315	10.304	(1.108)	3309	0.17223	14(a)
$	77 2-Fluorobiphenyl (SUR)	172	10.856	10.848	(0.915)	907286	41.5248	3300
	39 Acenaphthylene	152	11.645	11.641	(0.981)	14094	0.46010	36(a)
*	82 Acenaphthene-d10	164	11.867	11.858	(1.000)	733403	40.0000	
	42 Acenaphthene	154	11.911	11.910	(1.004)	6975	0.37464	29(a)
	43 Dibenzofuran	168	12.133	12.135	(1.022)	7291	0.25172	20(a)
	47 Fluorene	166	12.637	12.640	(1.065)	9982	0.42458	33(a)
$	18 2,4,6-Tribromophenol (SUR)	330	13.031	13.021	(1.098)	321988	79.8357	6300

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
*	83 Phenanthrene-d10	188	14.014	14.005	(1.000)	1212978	40.0000	
	52 Phenanthrene	178	14.050	14.043	(1.003)	247571	6.89377	540
	53 Anthracene	178	14.110	14.111	(1.007)	53609	1.49296	120(a)
	54 Carbazole	167	14.332	14.333	(1.023)	27162	0.80105	63(a)
	56 Fluoranthene	202	15.788	15.790	(1.127)	420790	11.4293	900
	57 Pyrene	202	16.125	16.124	(0.889)	423456	12.7304	1000
$	78 Terphenyl-d14 (SUR)	244	16.312	16.302	(0.899)	1054090	46.2251	3600
	63 bis(2-Ethylhexyl)phthalate	149	18.052	18.048	(0.995)	34923	1.28244	100(a)
	61 Benzo(a)anthracene	228	18.082	18.093	(0.997)	180965	6.33809	500
*	81 Chrysene-d12	240	18.141	18.137	(1.000)	1037805	40.0000	
	62 Chrysene	228	18.179	18.190	(1.002)	189555	7.12430	560
	65 Benzo(b)fluoranthene	252	20.679	20.711	(0.946)	118750	4.17254	330(H)
	66 Benzo(k)fluoranthene	252	20.730	20.779	(0.949)	147599	5.97509	470
	67 Benzo(a)pyrene	252	21.635	21.672	(0.990)	143030	5.97434	470
*	84 Perylene-d12	264	21.853	21.844	(1.000)	745954	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.346	25.392	(1.160)	54600	2.30027	180
	69 Dibenz(a,h)anthracene	278	25.391	25.458	(1.162)	14812	0.77815	61(H)
	70 Benzo(g,h,i)perylene	276	26.319	26.408	(1.204)	50709	2.45236	190(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.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Date : 06-OCT-2006 15:19
Client ID: B1410-SS02
Sample Info: 775279;3284023
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

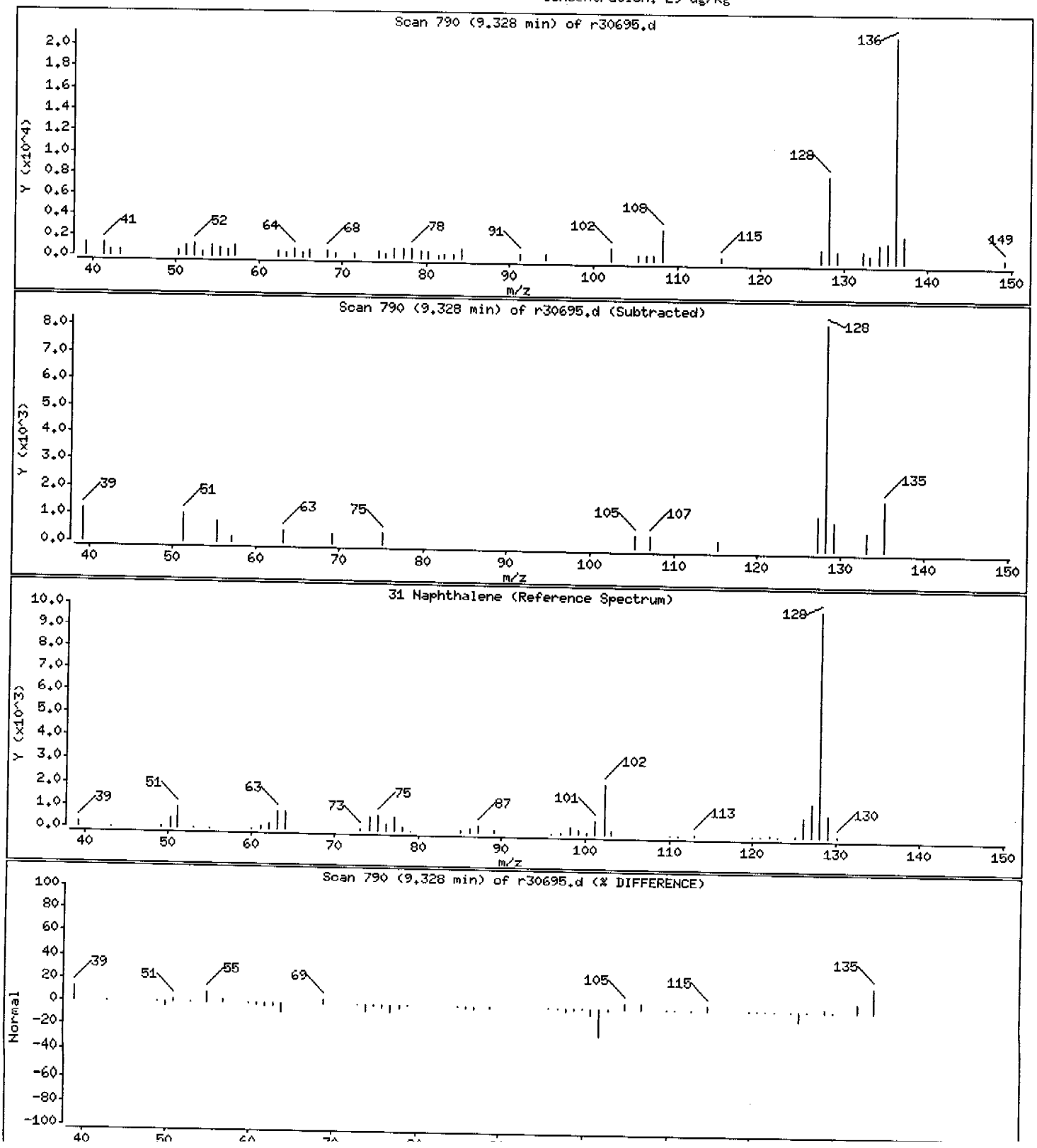
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

31 Naphthalene

Concentration: 29 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

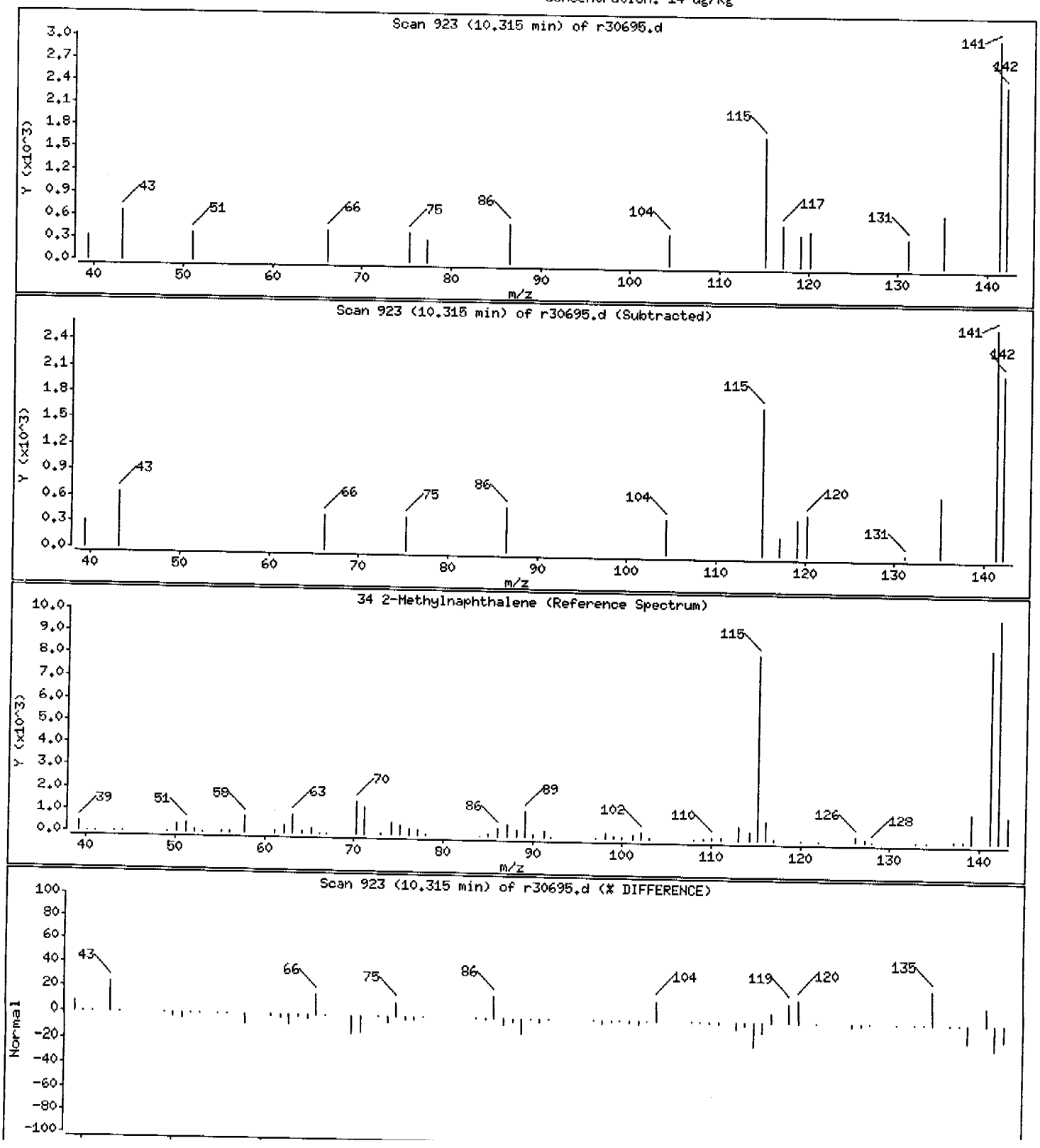
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

34 2-Methylnaphthalene

Concentration: 14 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

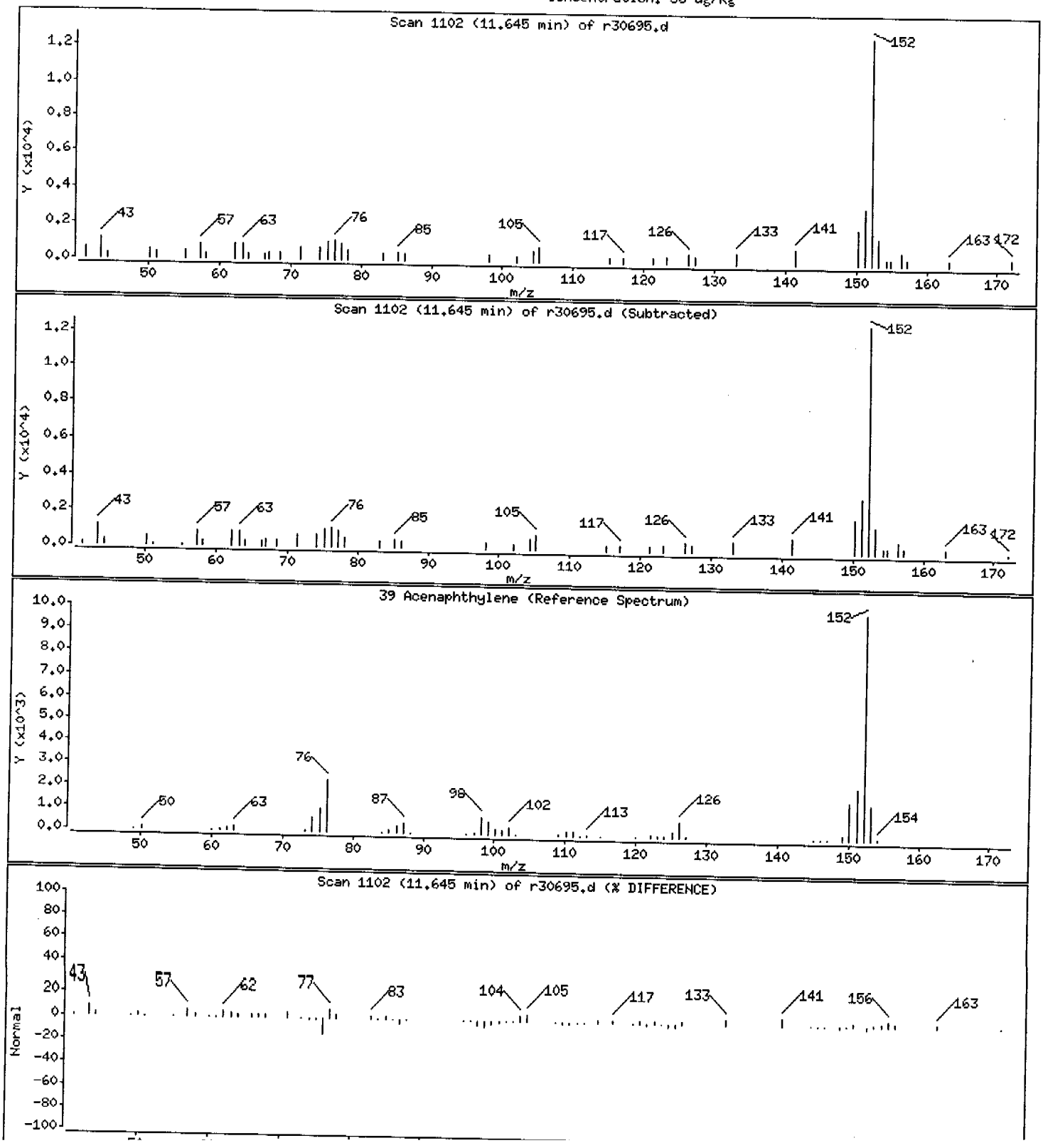
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

39 Acenaphthylene

Concentration: 36 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

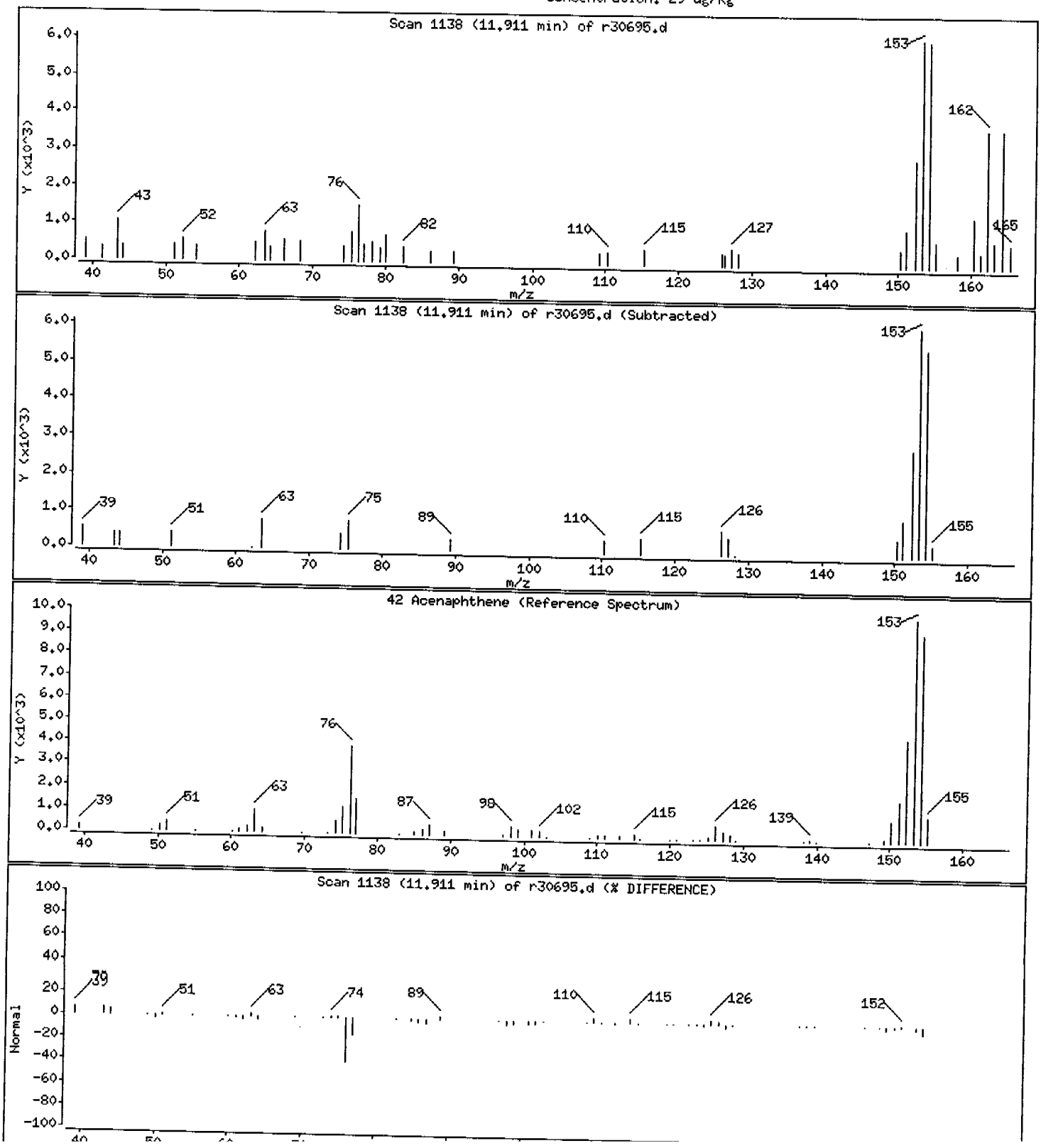
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

42 Acenaphthene

Concentration: 29 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

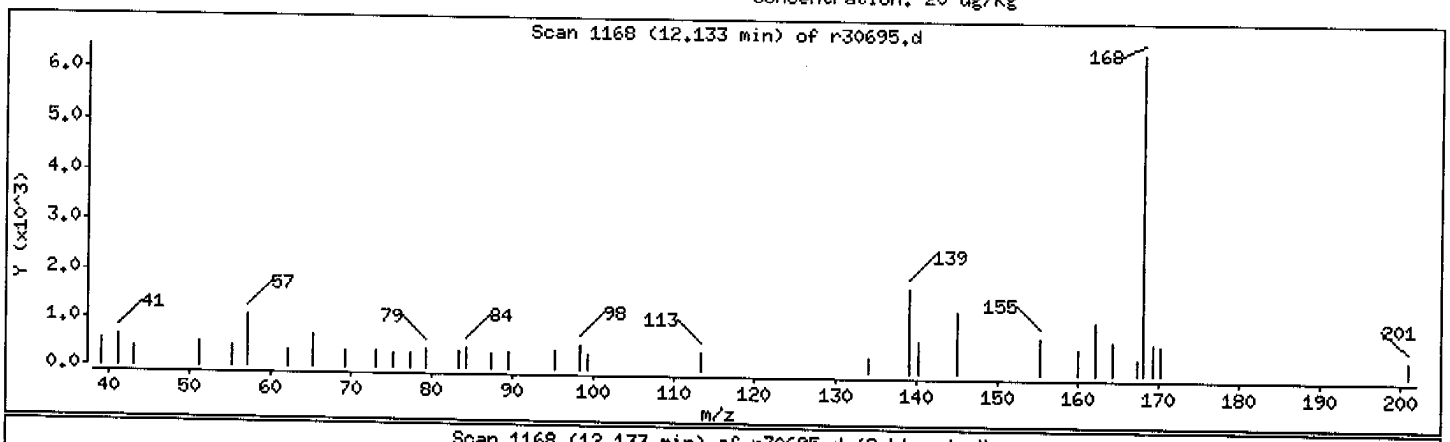
Operator: BNAMS 4

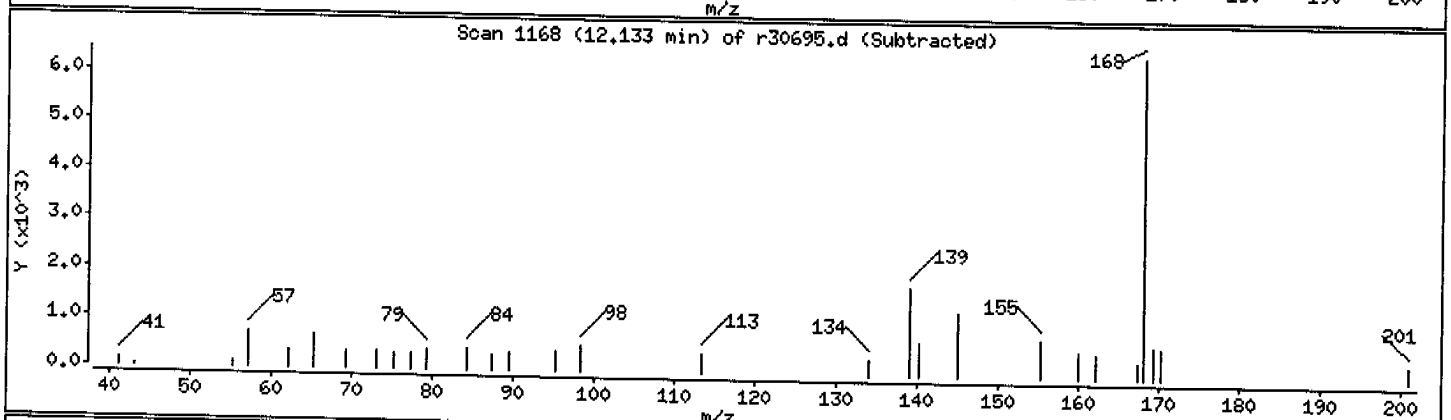
Column phase: DB-5

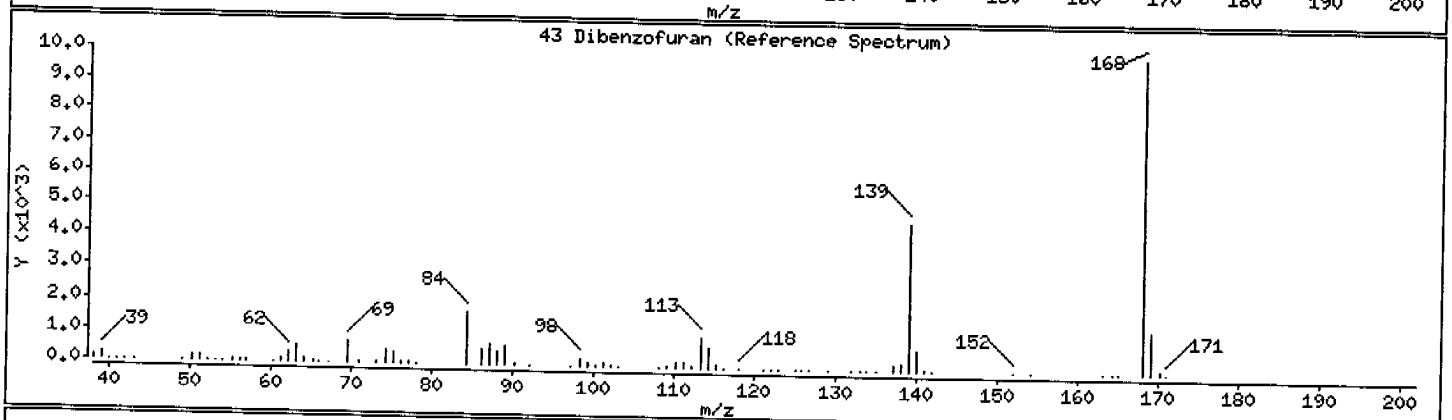
Column diameter: 0.25

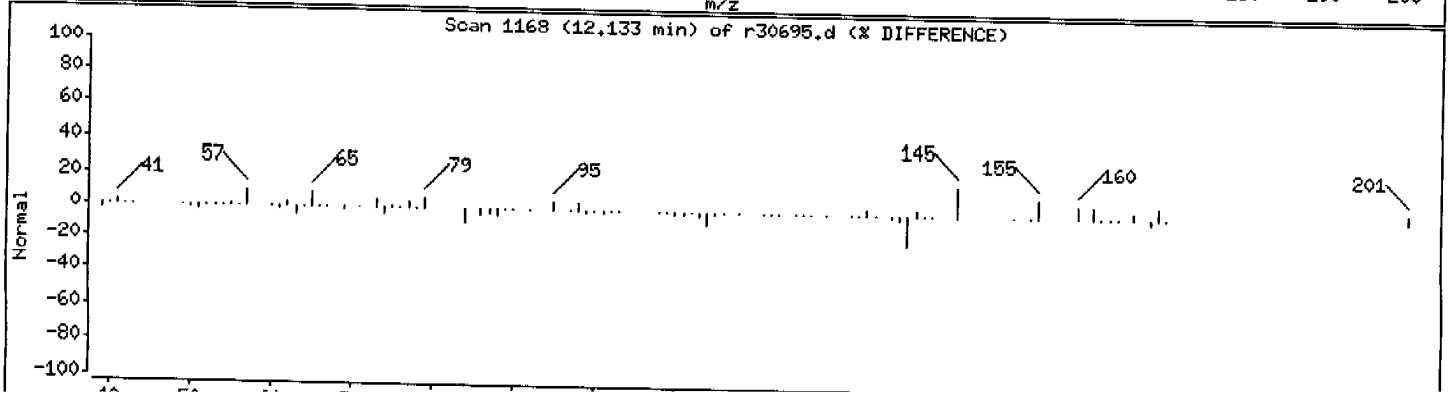
43 Dibenzofuran

Concentration: 20 ug/Kg









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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

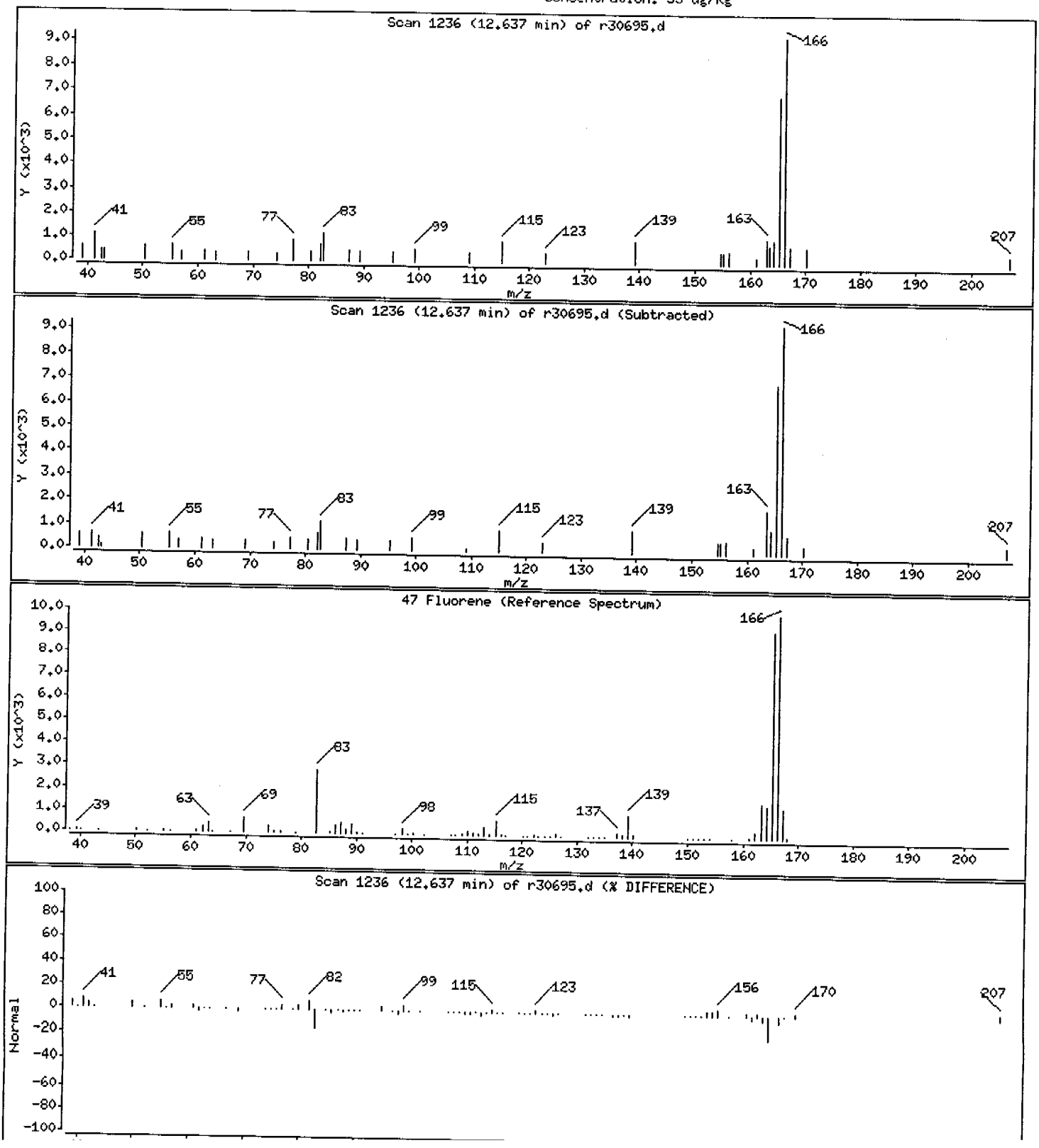
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

47 Fluorene

Concentration: 33 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

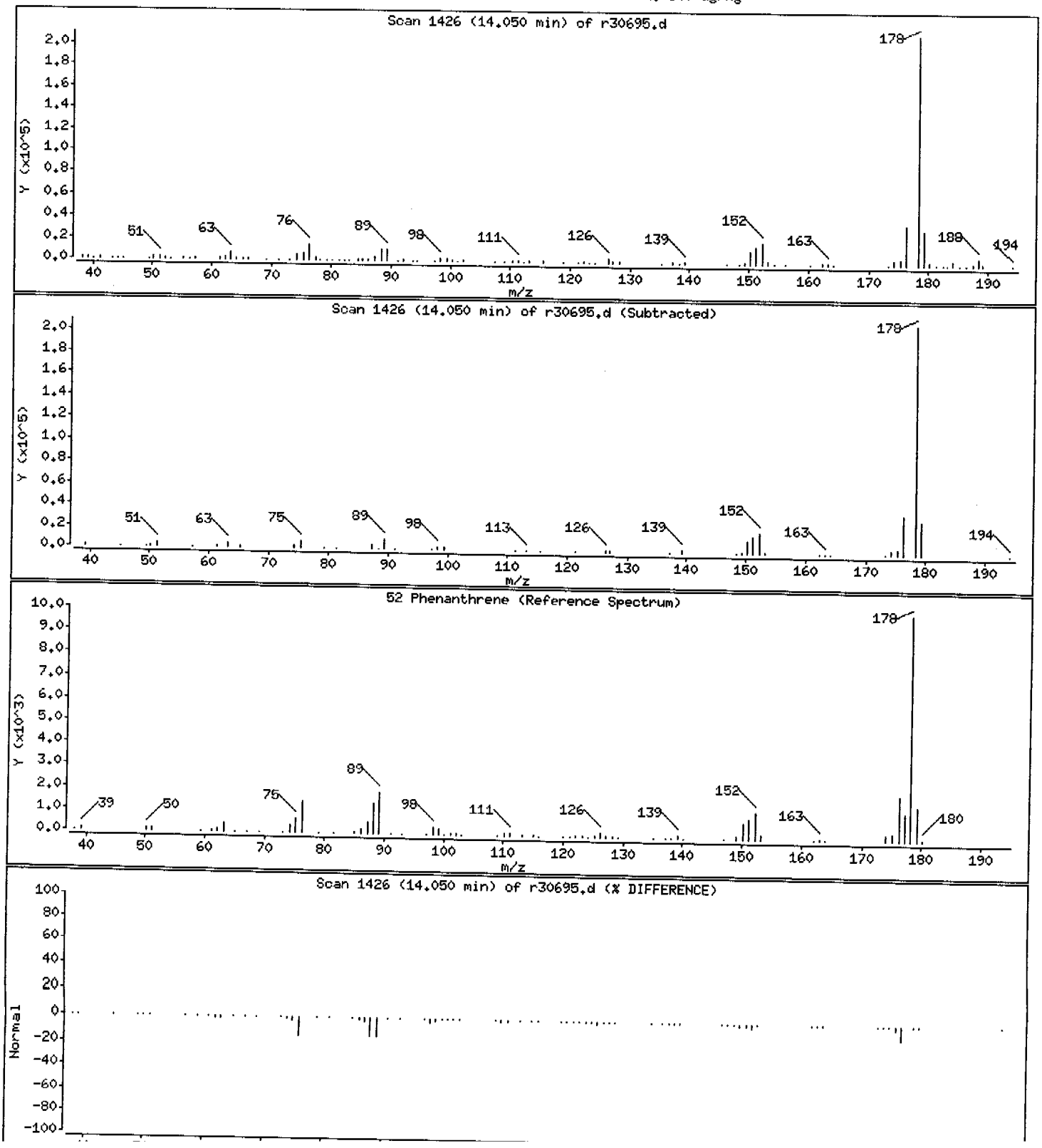
Client ID: B1410-SS02 Instrument: BNAMS1.i

Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 540 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

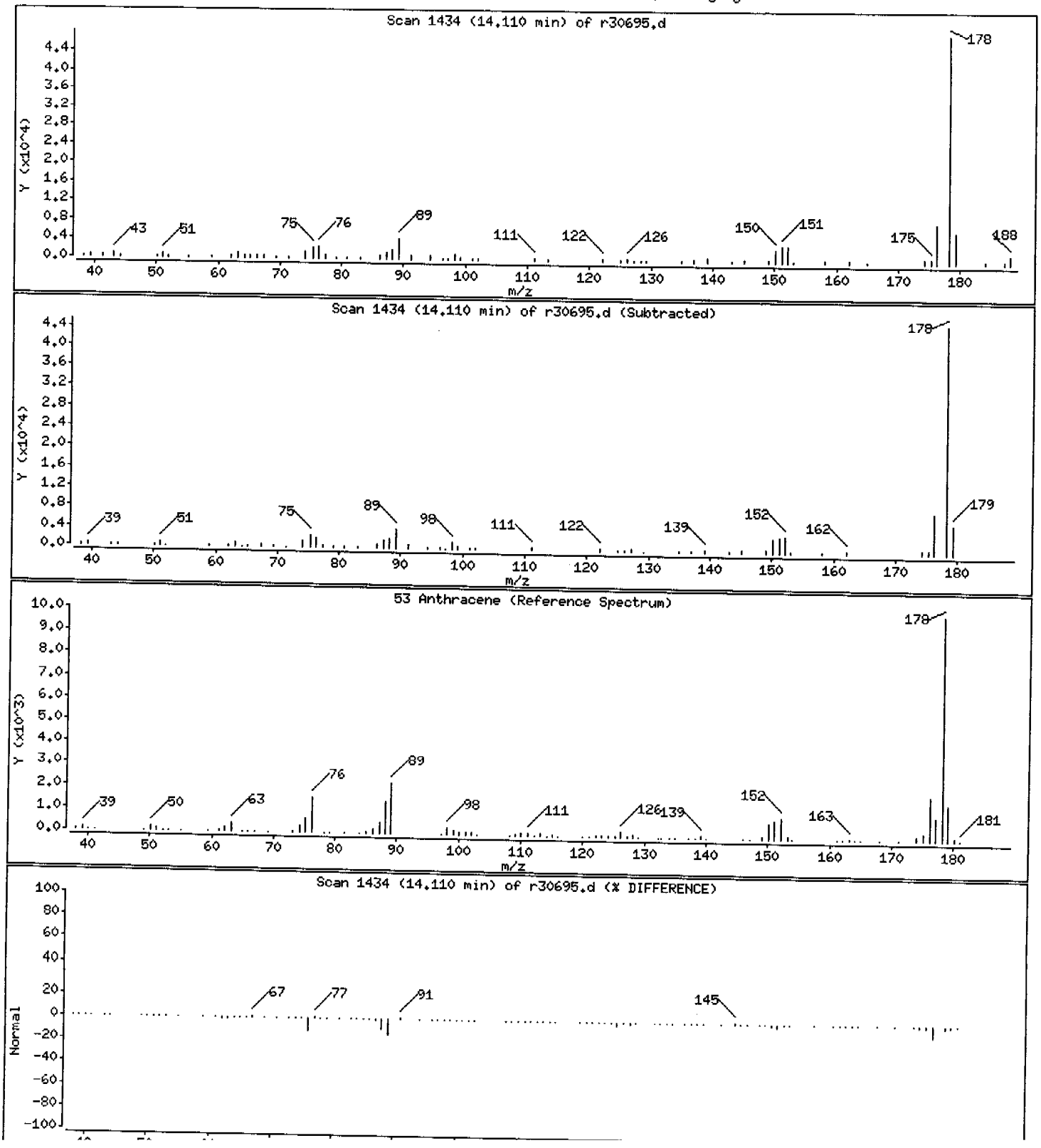
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

53 Anthracene

Concentration: 120 ug/Kg



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Date : 06-OCT-2006 15:19

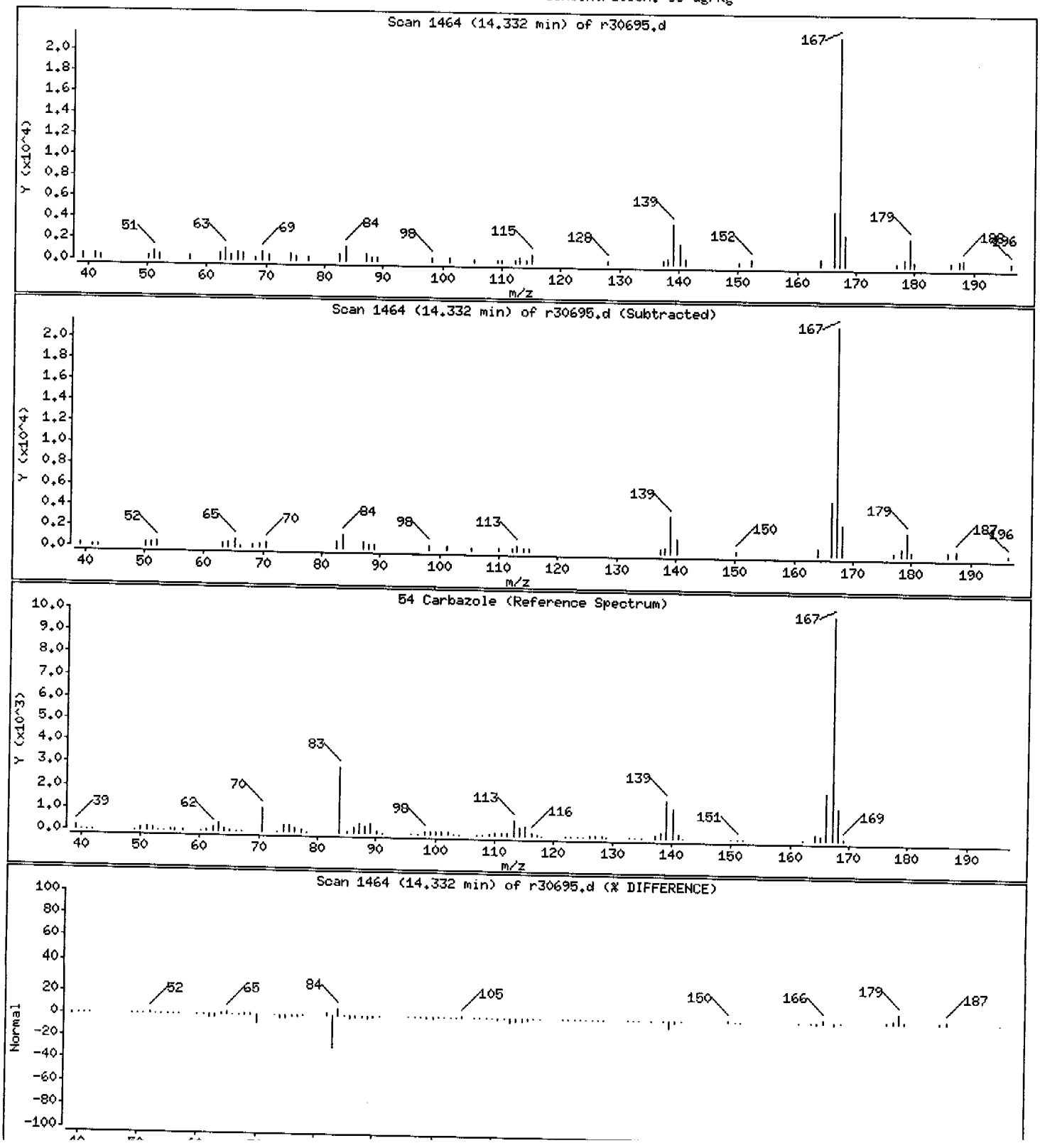
Client ID: B1410-SS02 Instrument: BNAMS1.i

Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 63 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

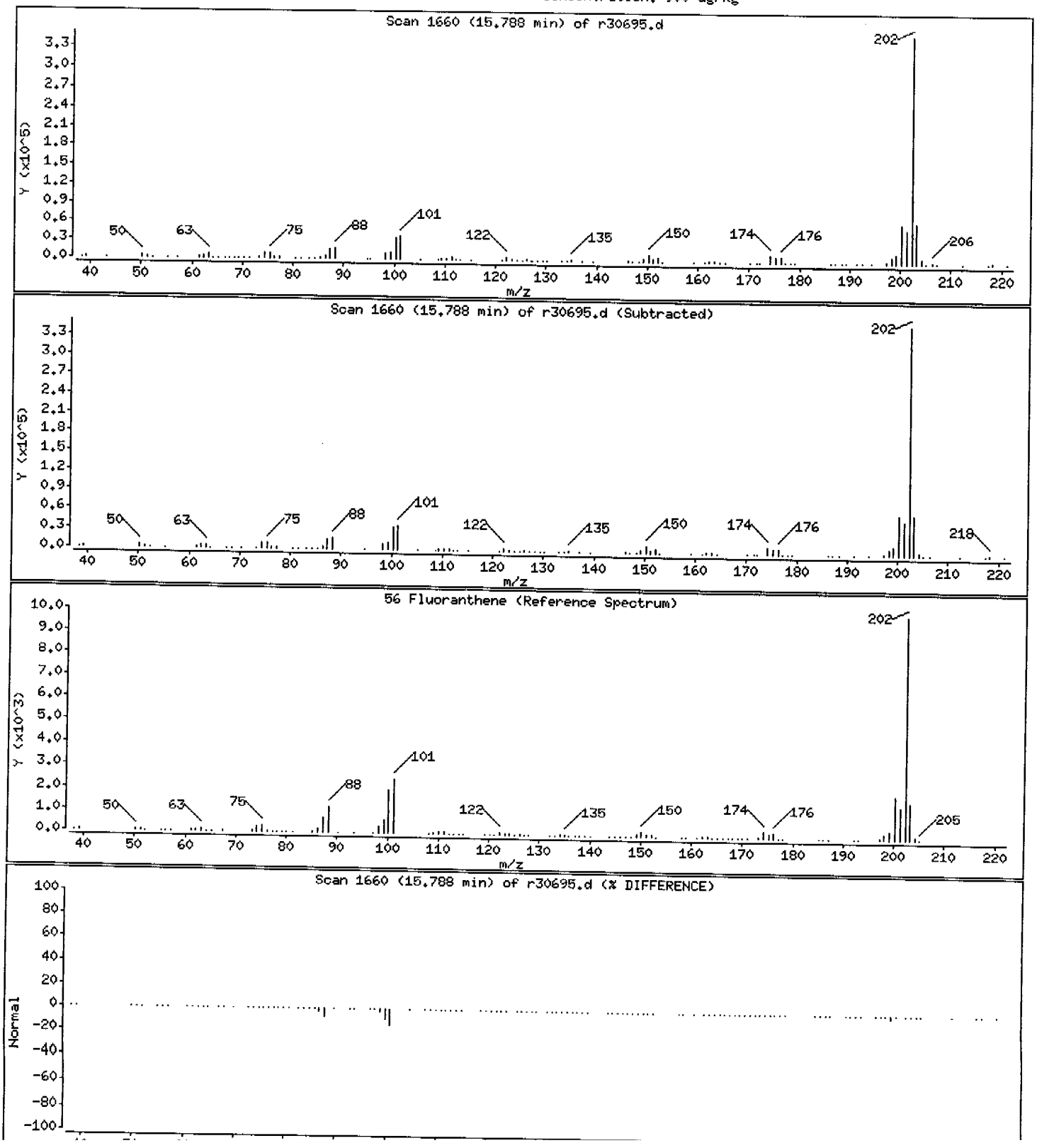
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

56 Fluoranthene

Concentration: 900 ug/Kg



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Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

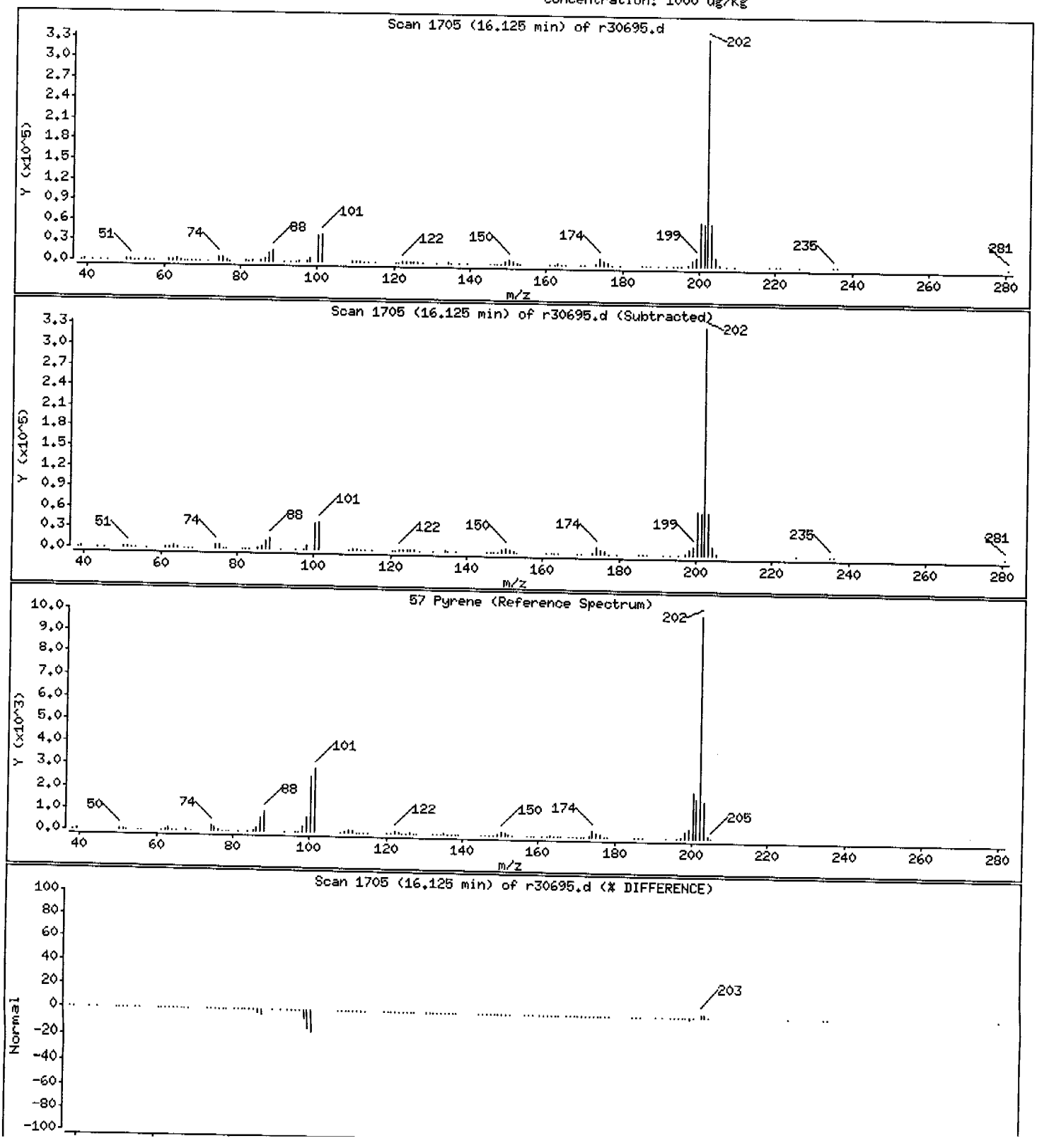
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 1000 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

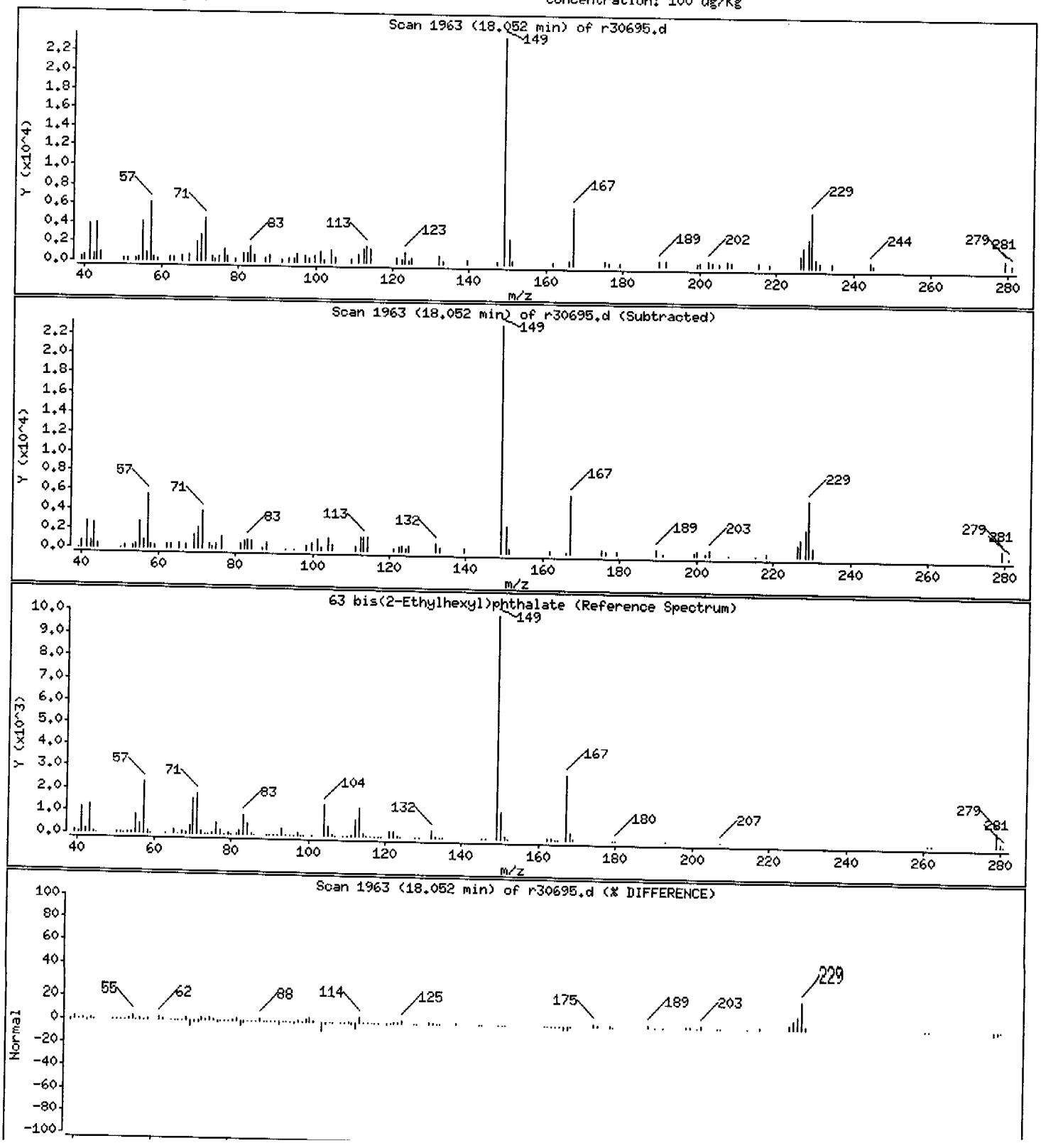
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 100 ug/Kg



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Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

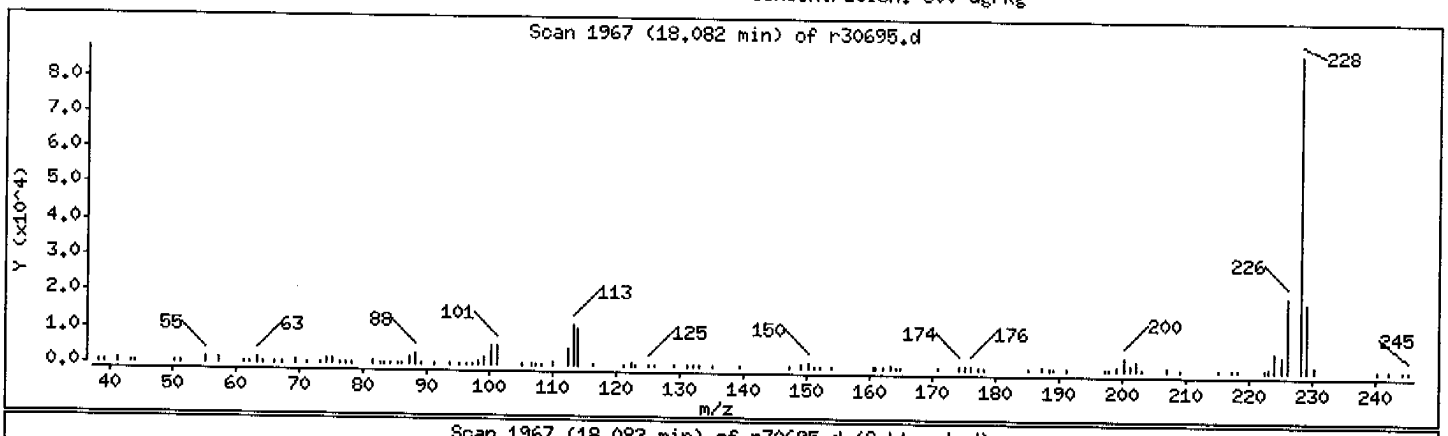
Operator: BNAMS 4

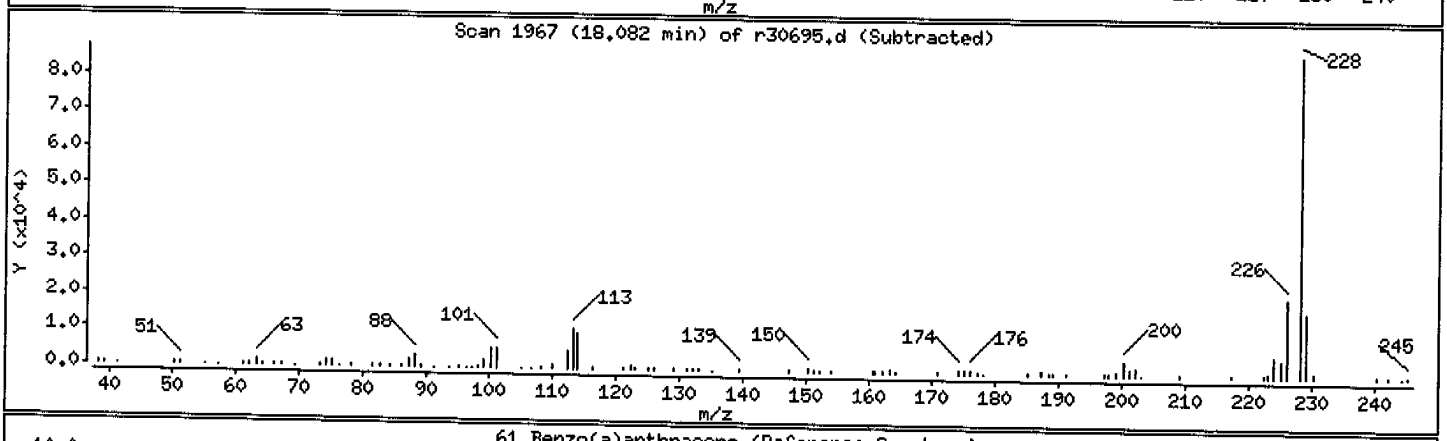
Column phase: DB-5

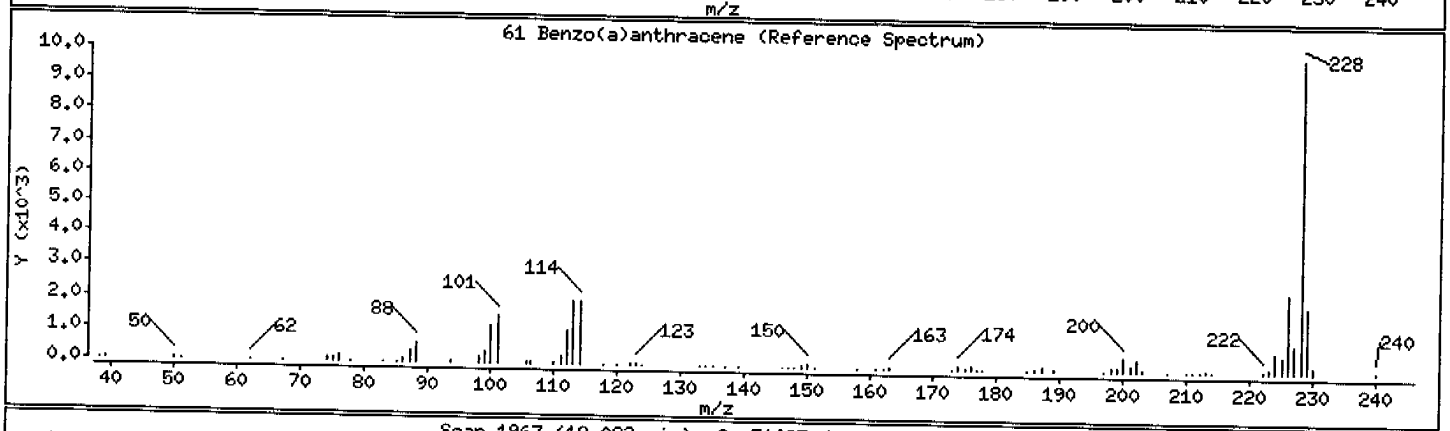
Column diameter: 0.25

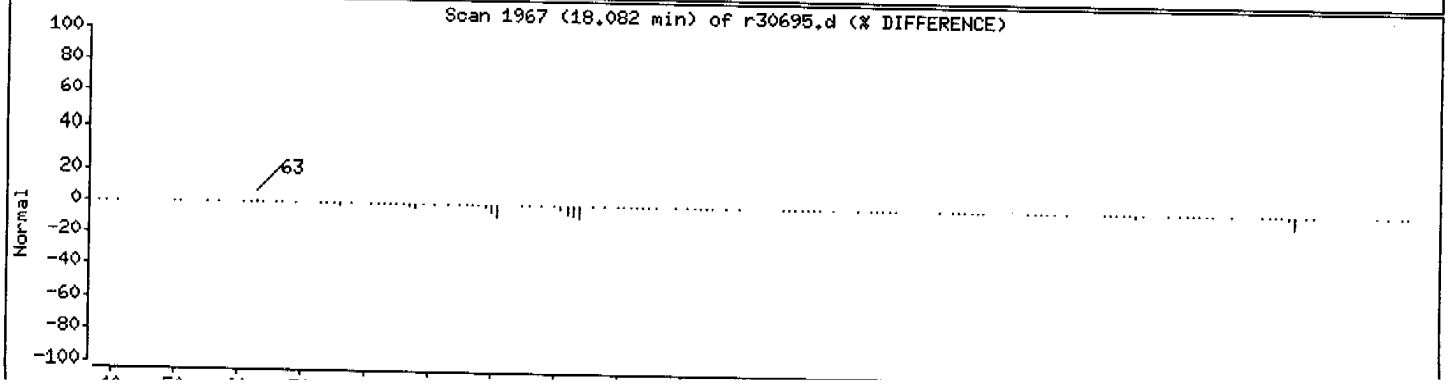
61 Benzo(a)anthracene

Concentration: 500 ug/Kg









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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

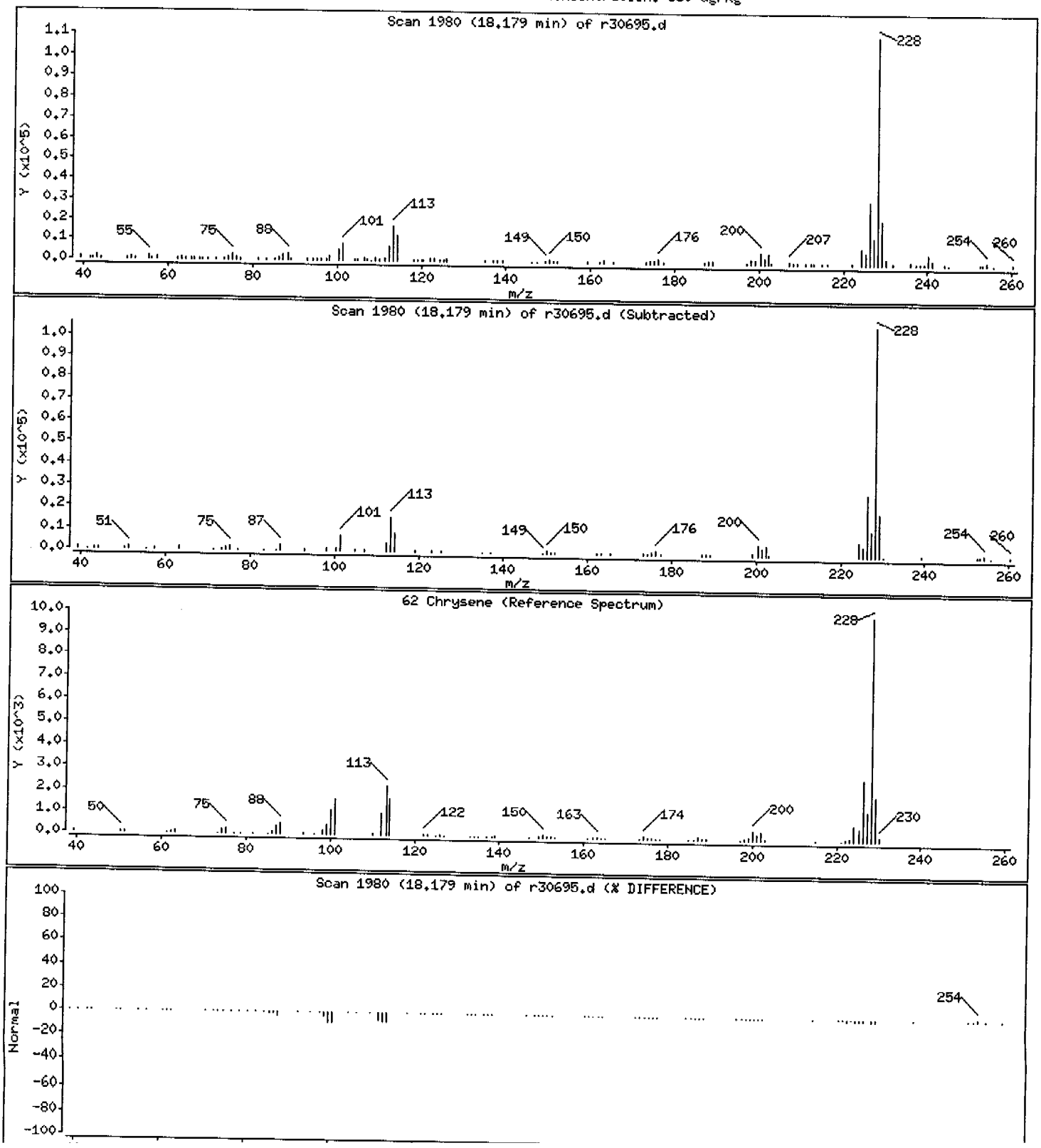
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

62 Chrysene

Concentration: 560 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

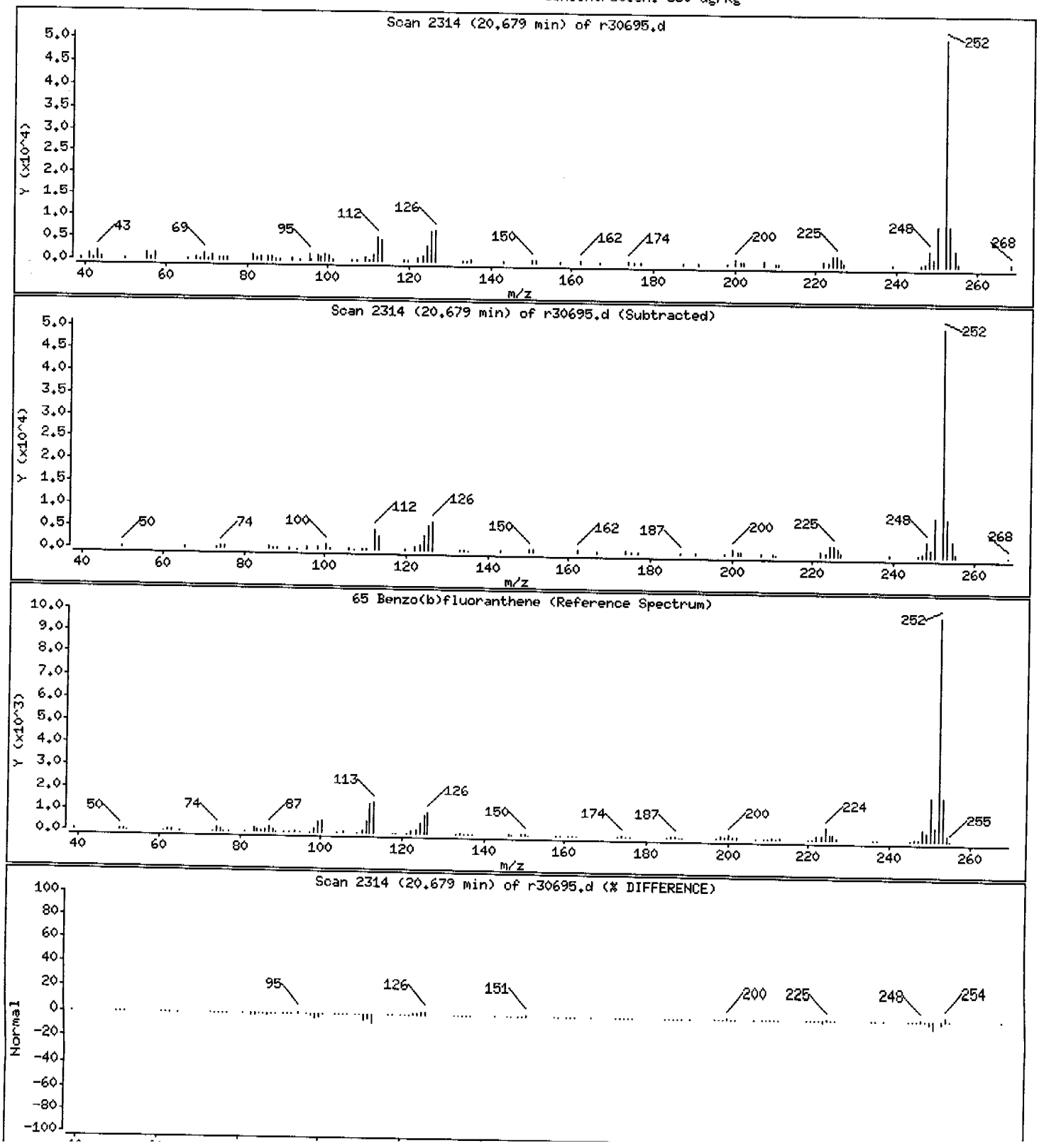
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 330 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

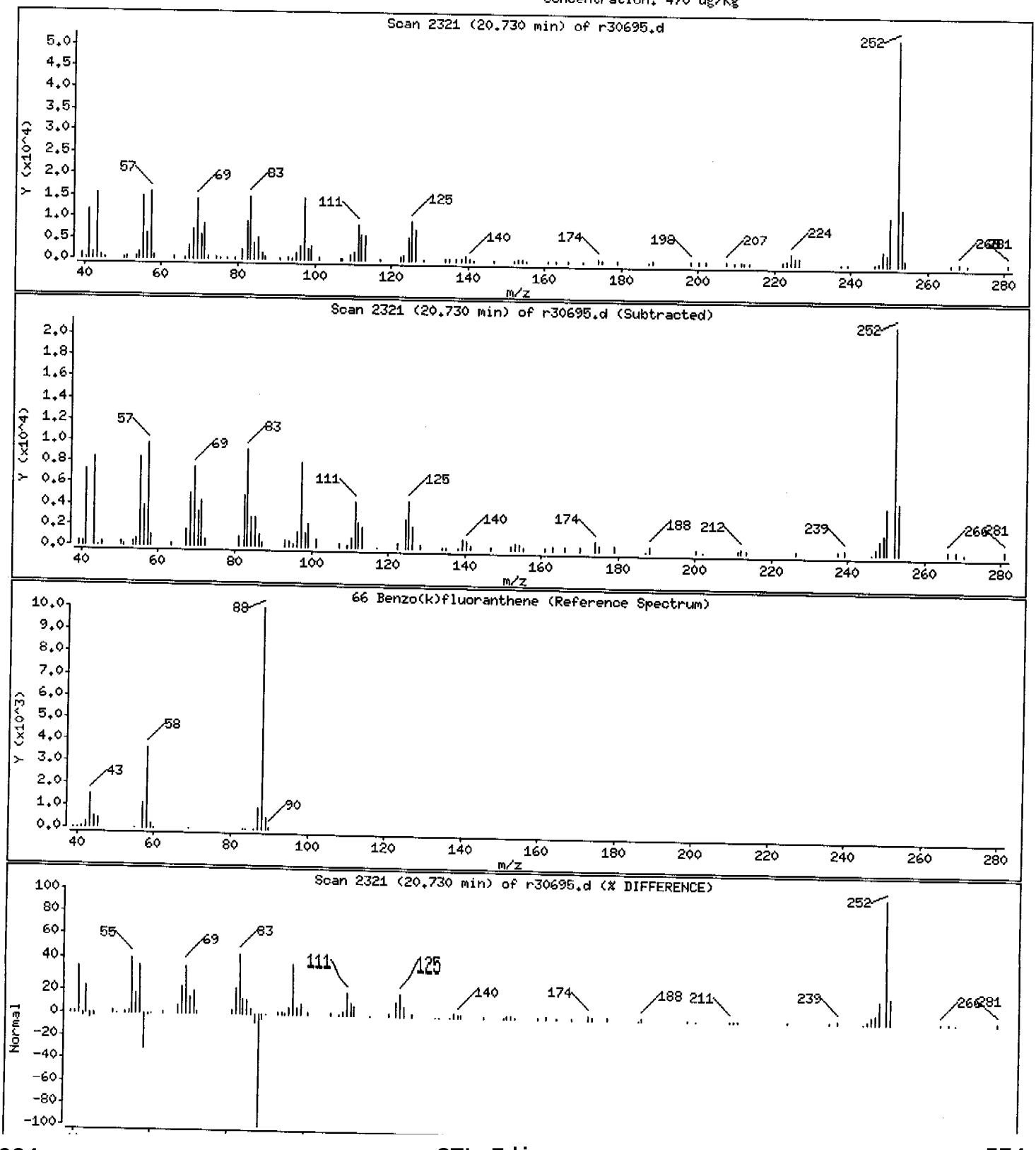
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

66 Benzo(k)fluoranthene

Concentration: 470 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

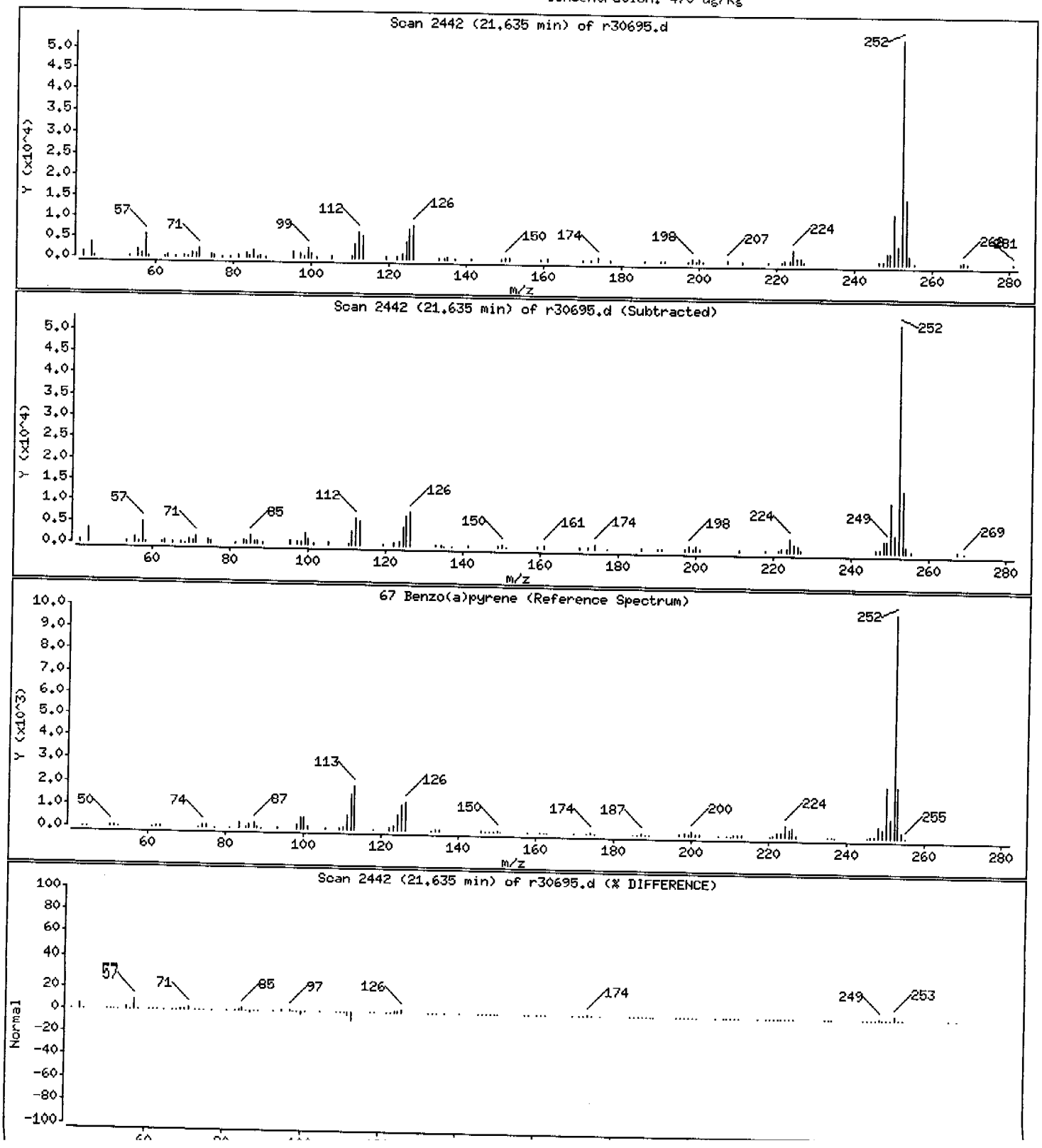
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 470 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

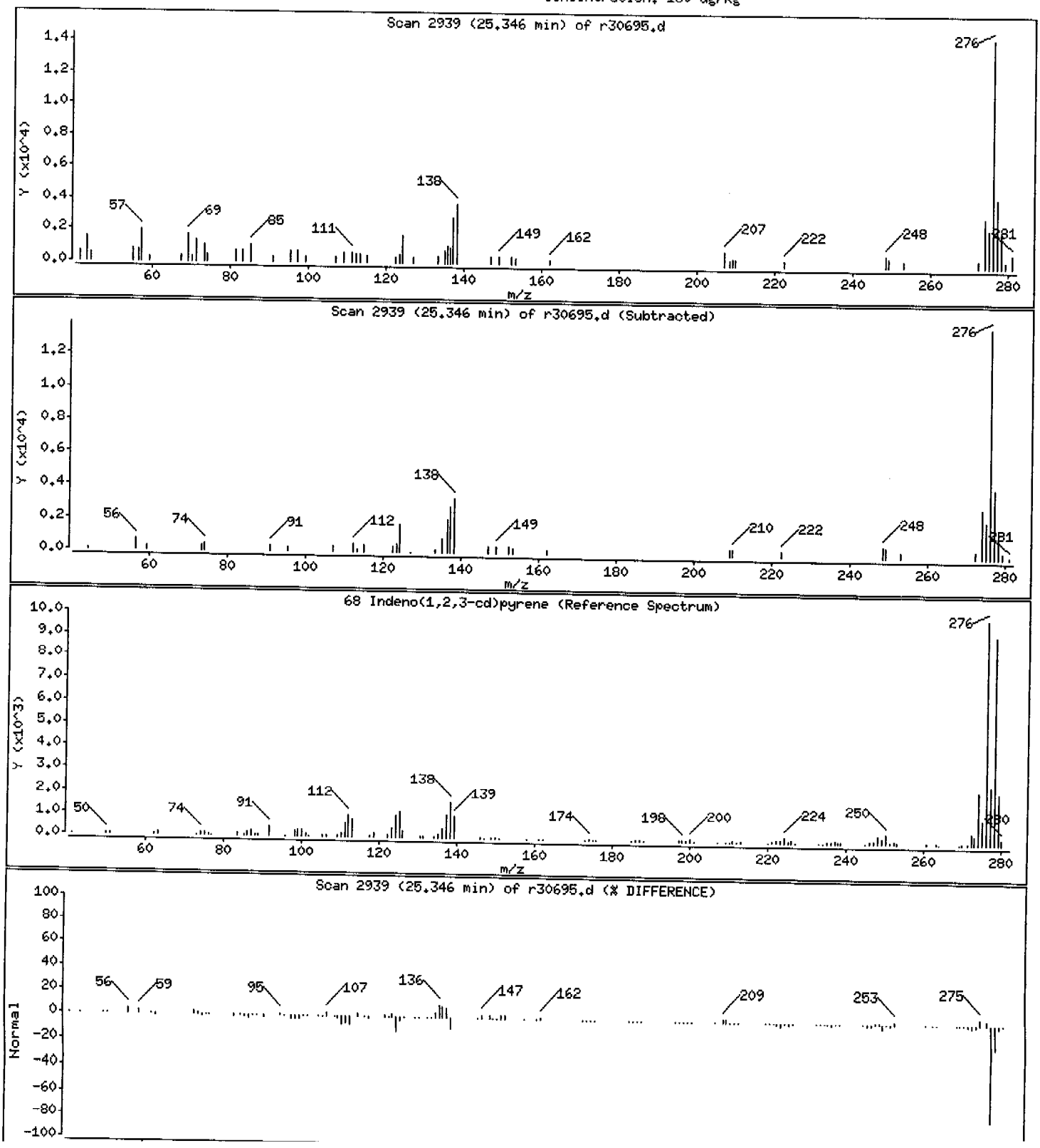
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene

Concentration: 180 ug/Kg



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Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

Sample Info: 775279;3281023

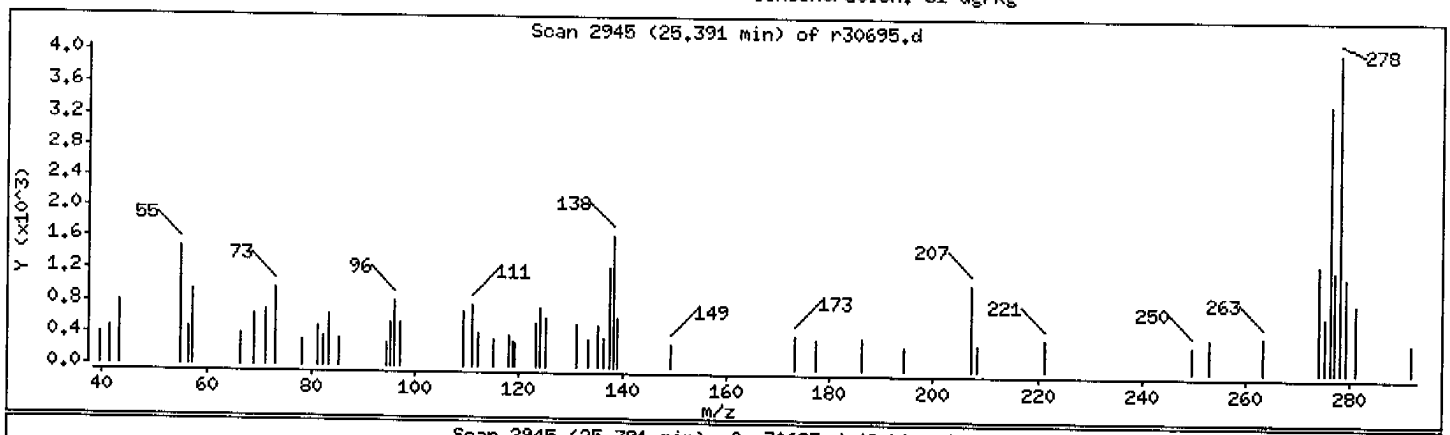
Operator: BNAMS 4

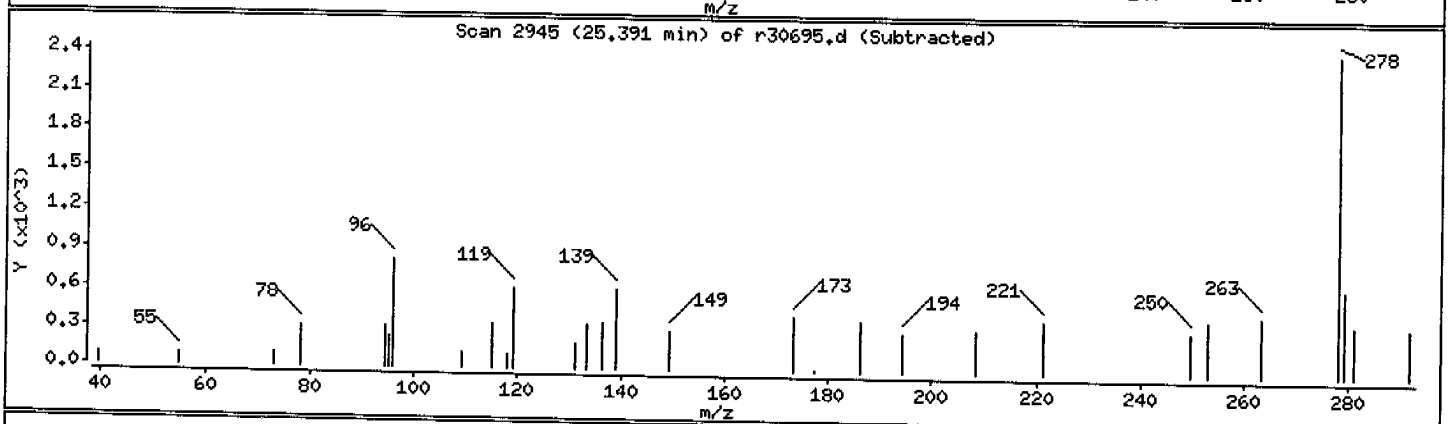
Column phase: DB-5

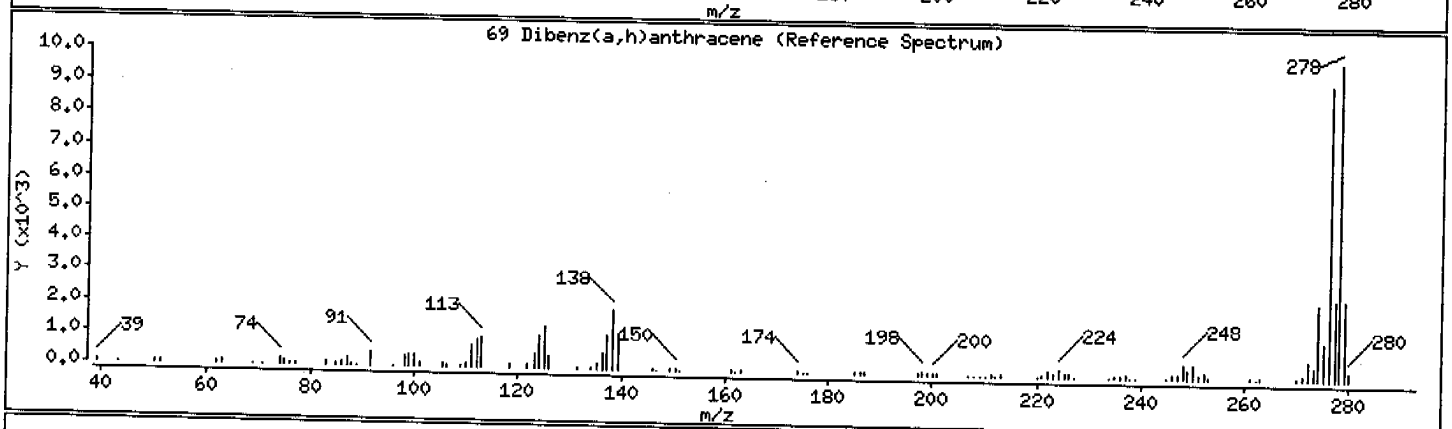
Column diameter: 0.25

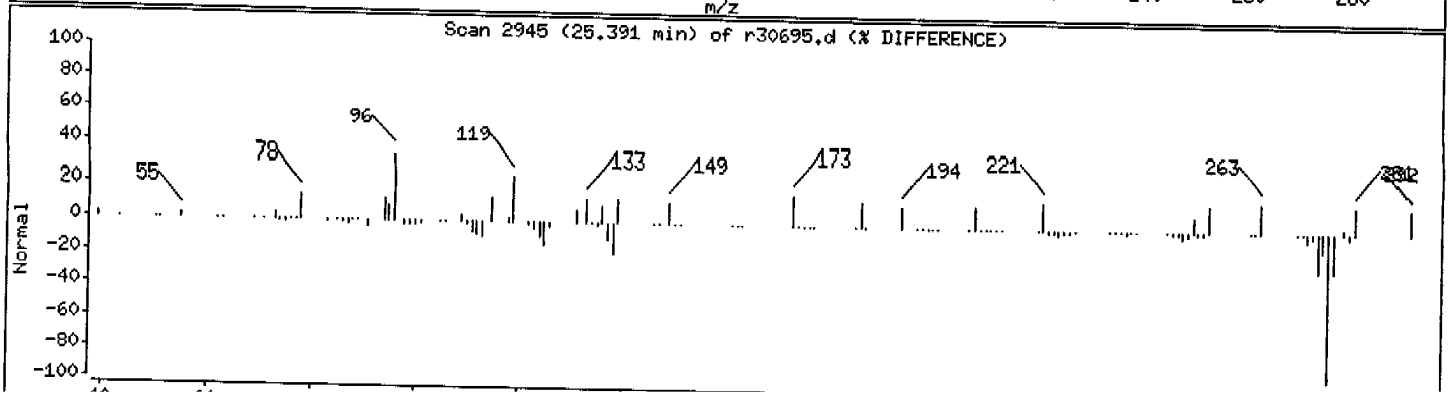
69 Dibenz(a,h)anthracene

Concentration: 61 ug/Kg









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Date : 06-OCT-2006 15:19

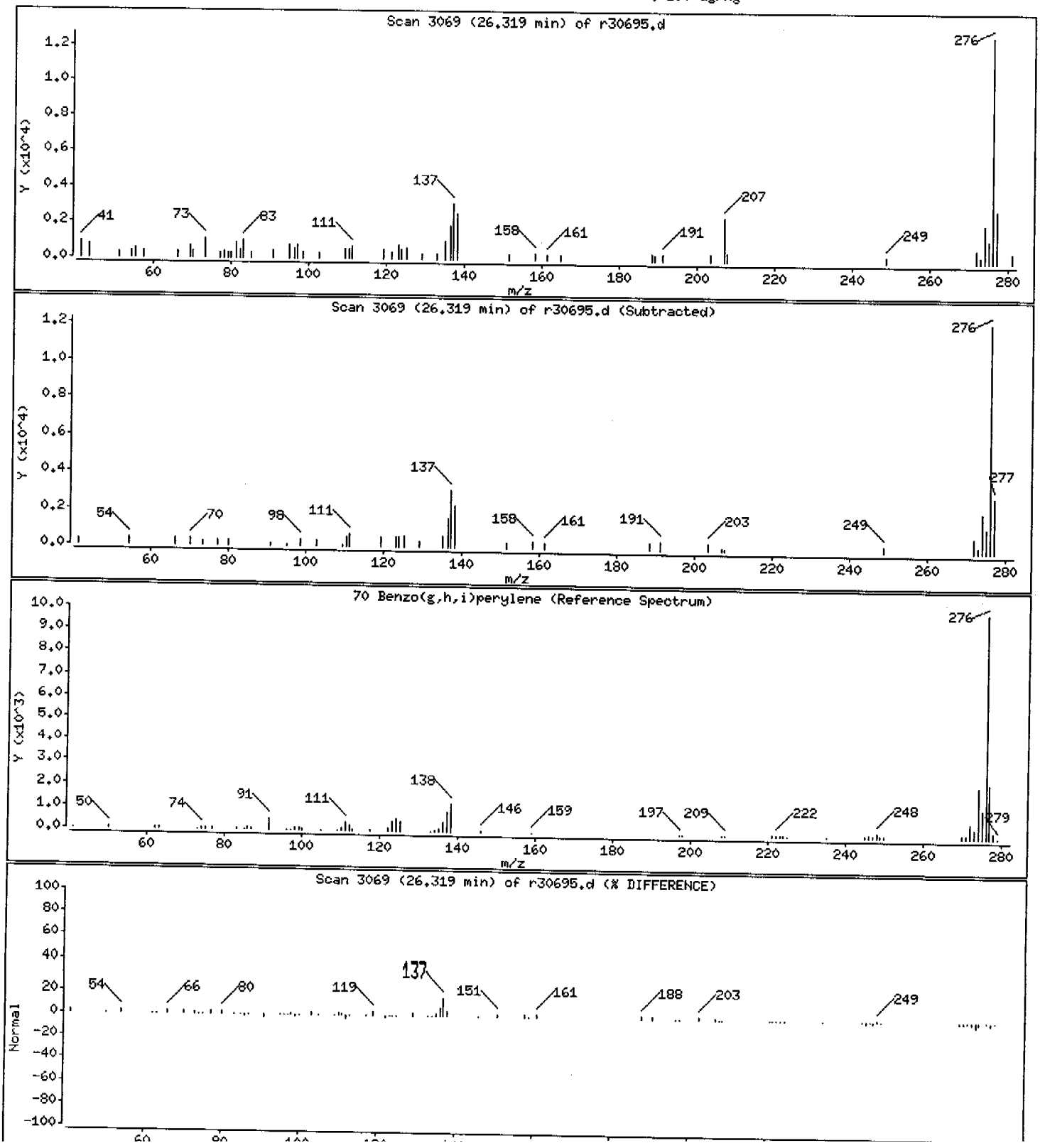
Client ID: B1410-SS02 Instrument: BNAMS1.i

Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

70 Benzo(g,h,i)perylene Concentration: 190 ug/Kg



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Date : 06-OCT-2006 15:19

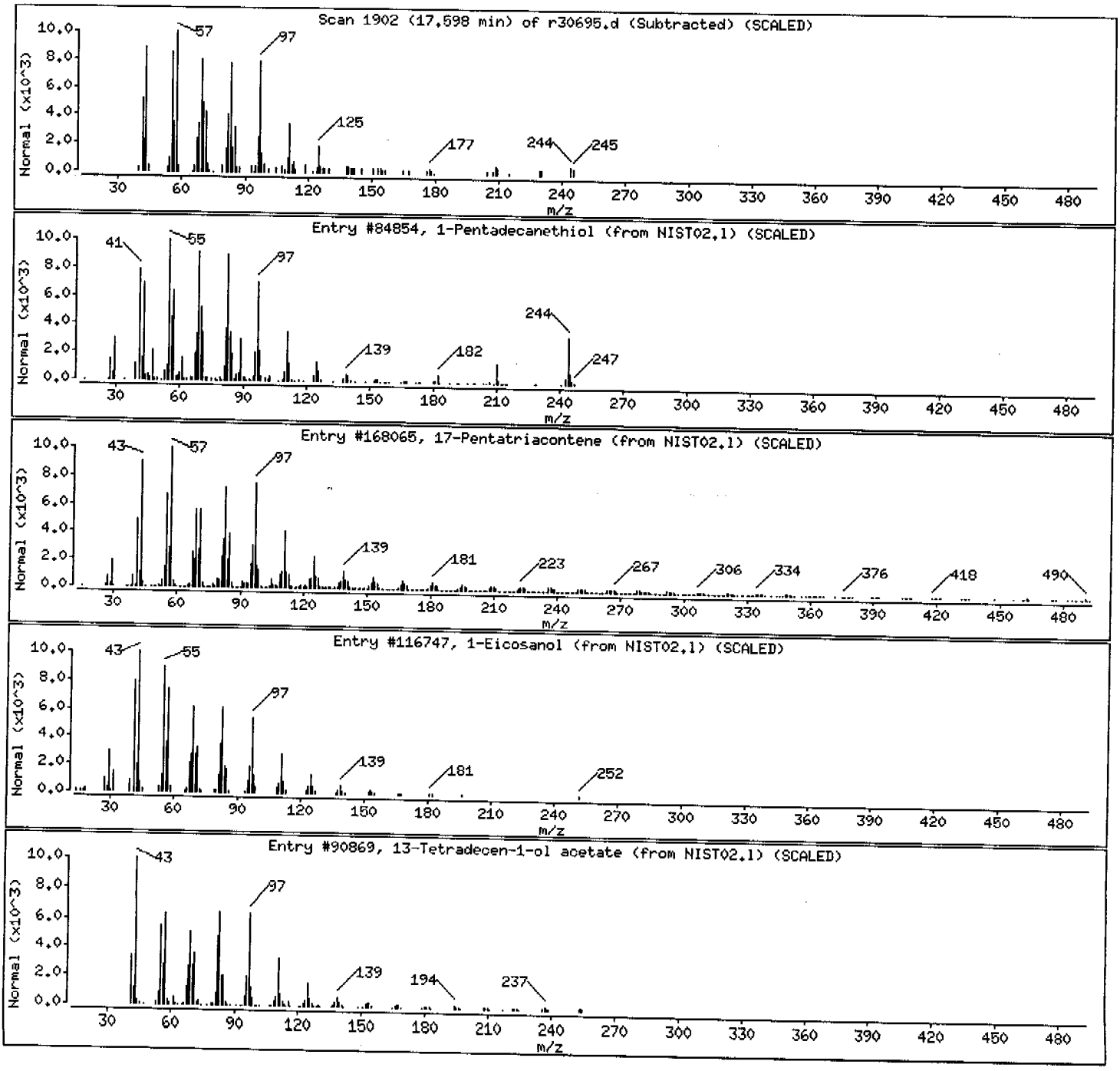
Client ID: B1410-SS02 Instrument: BNAMS1.i

Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Pentadecanethiol	25276-70-4	NIST02.l	84854	91	C15H32S	244
17-Pentatriacontene	6971-40-0	NIST02.l	168065	62	C35H70	491
1-Eicosanol	629-96-9	NIST02.l	116747	60	C20H42O	298
13-Tetradecen-1-ol acetate	56221-91-1	NIST02.l	90869	49	C16H30O2	254



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

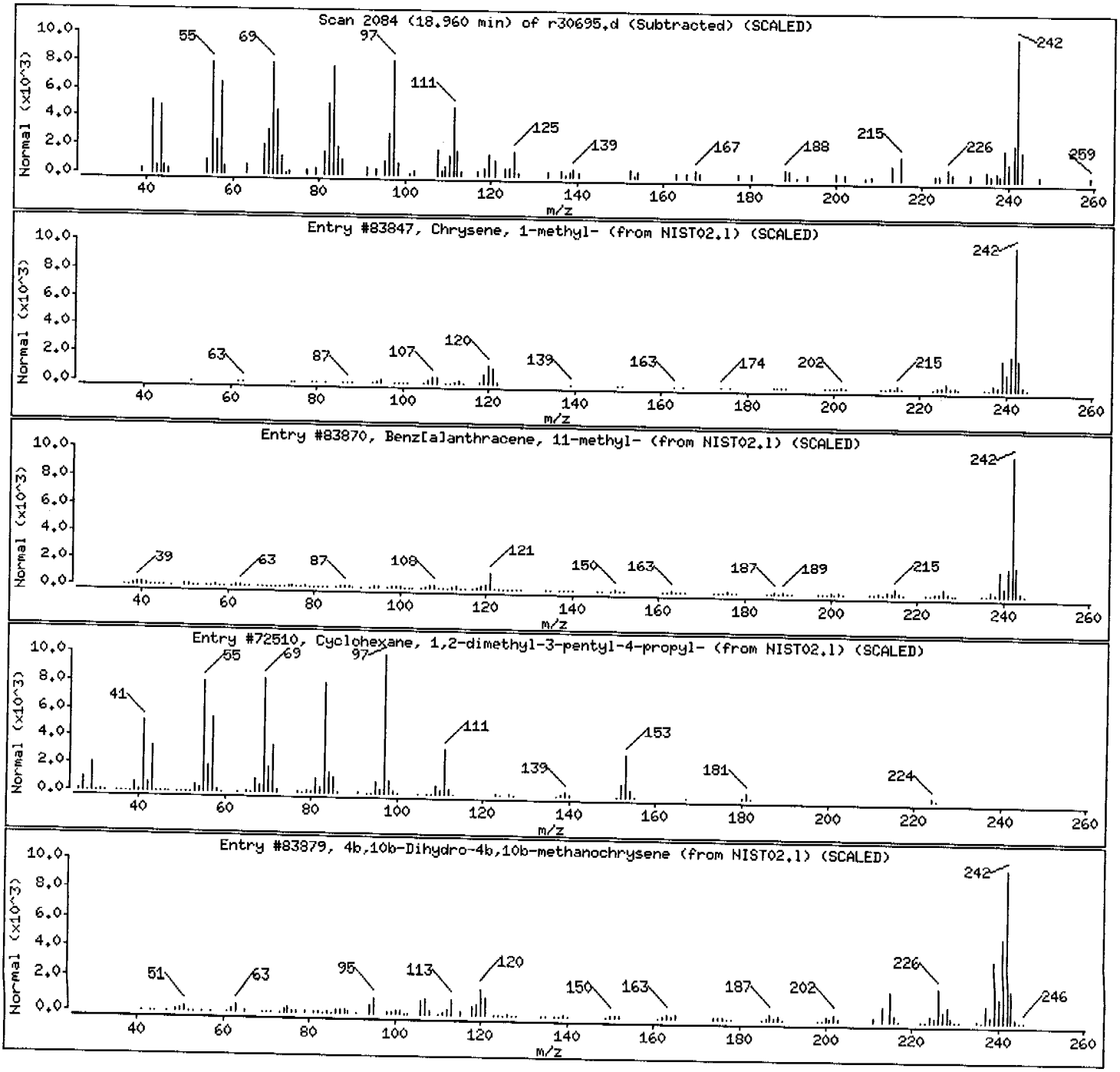
Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C19H14 PAH/Unknown						
Chrysene, 1-methyl-	3351-28-8	NIST02.l	83847	83	C19H14	242
Benz[a]anthracene, 11-methyl-	6111-78-0	NIST02.l	83870	56	C19H14	242
Cyclohexane, 1,2-dimethyl-3-pentyl-4-pro	62376-17-4	NIST02.l	72510	55	C16H32	224
4b,10b-Dihydro-4b,10b-methanochrysene	71949-03-6	NIST02.l	83879	45	C19H14	242



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

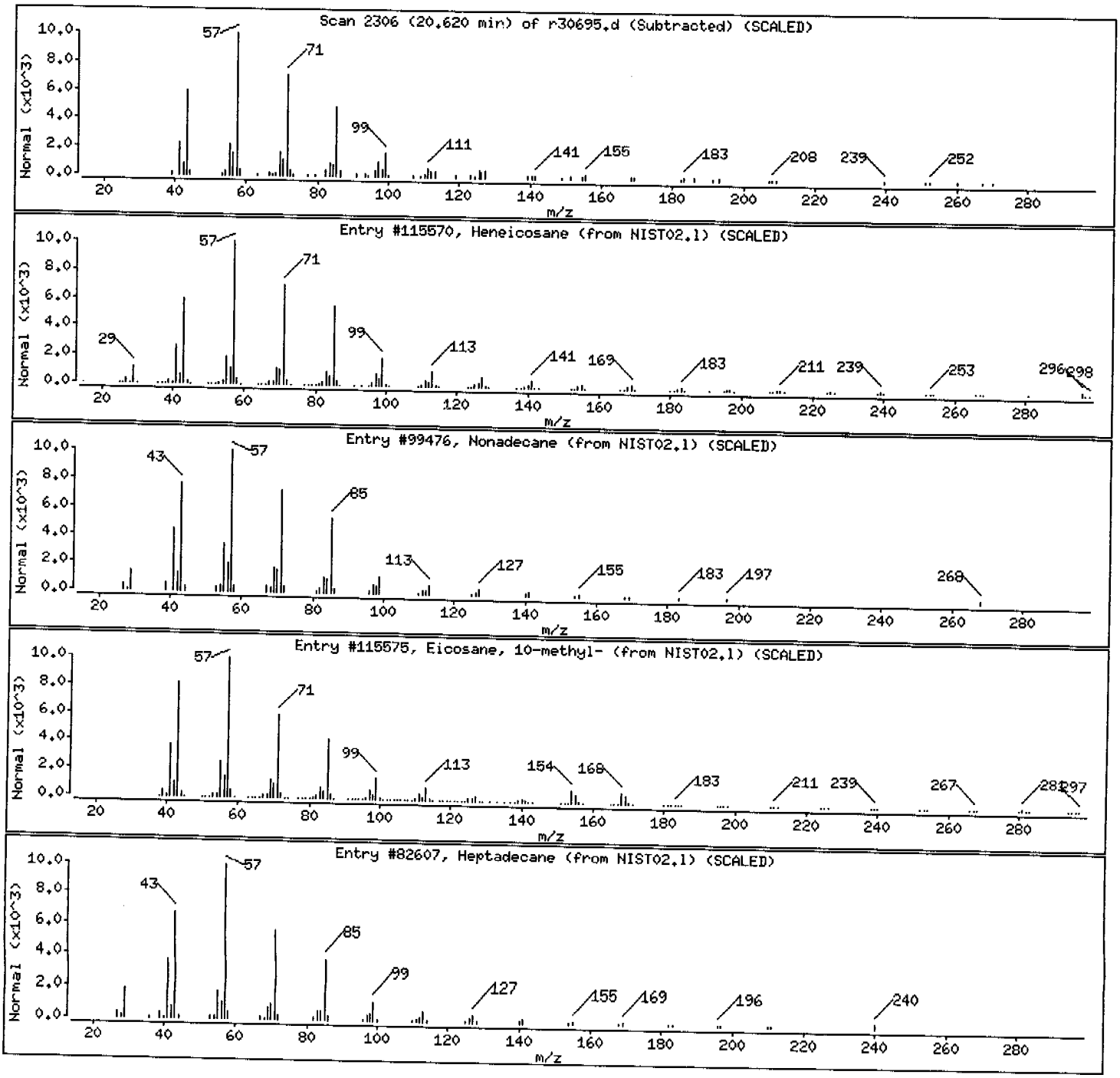
Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST02.l	115570	87	C21H44	296
Nonadecane	629-92-5	NIST02.l	99476	87	C19H40	268
Eicosane, 10-methyl-	54833-23-7	NIST02.l	115575	86	C21H44	296
Heptadecane	629-78-7	NIST02.l	82607	80	C17H36	240



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

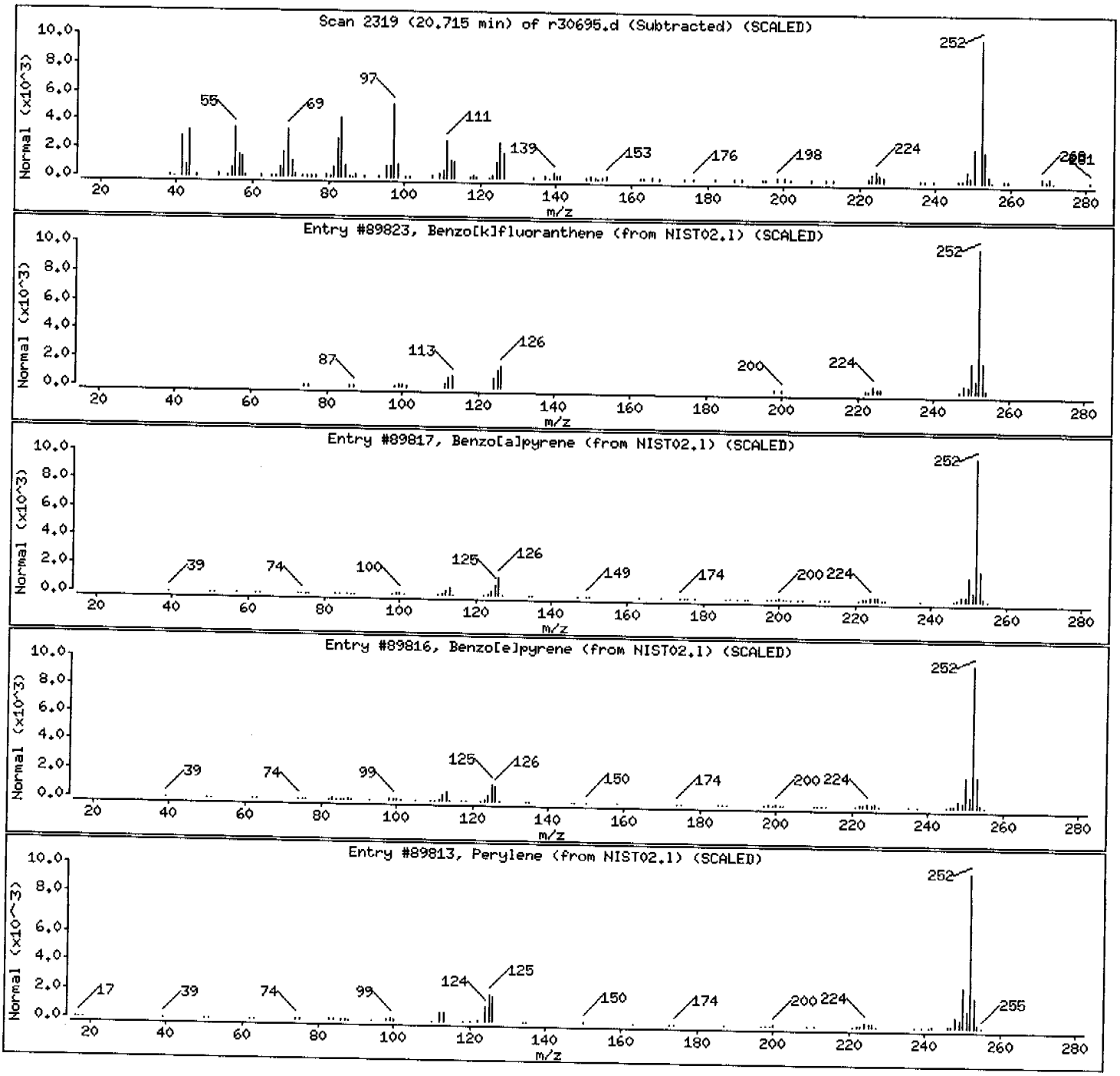
Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[k]fluoranthene	207-08-9	NIST02.l	89823	60	C20H12	252
Benzo[a]pyrene	50-32-8	NIST02.l	89817	55	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	50	C20H12	252
Perylene	198-55-0	NIST02.l	89813	50	C20H12	252



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

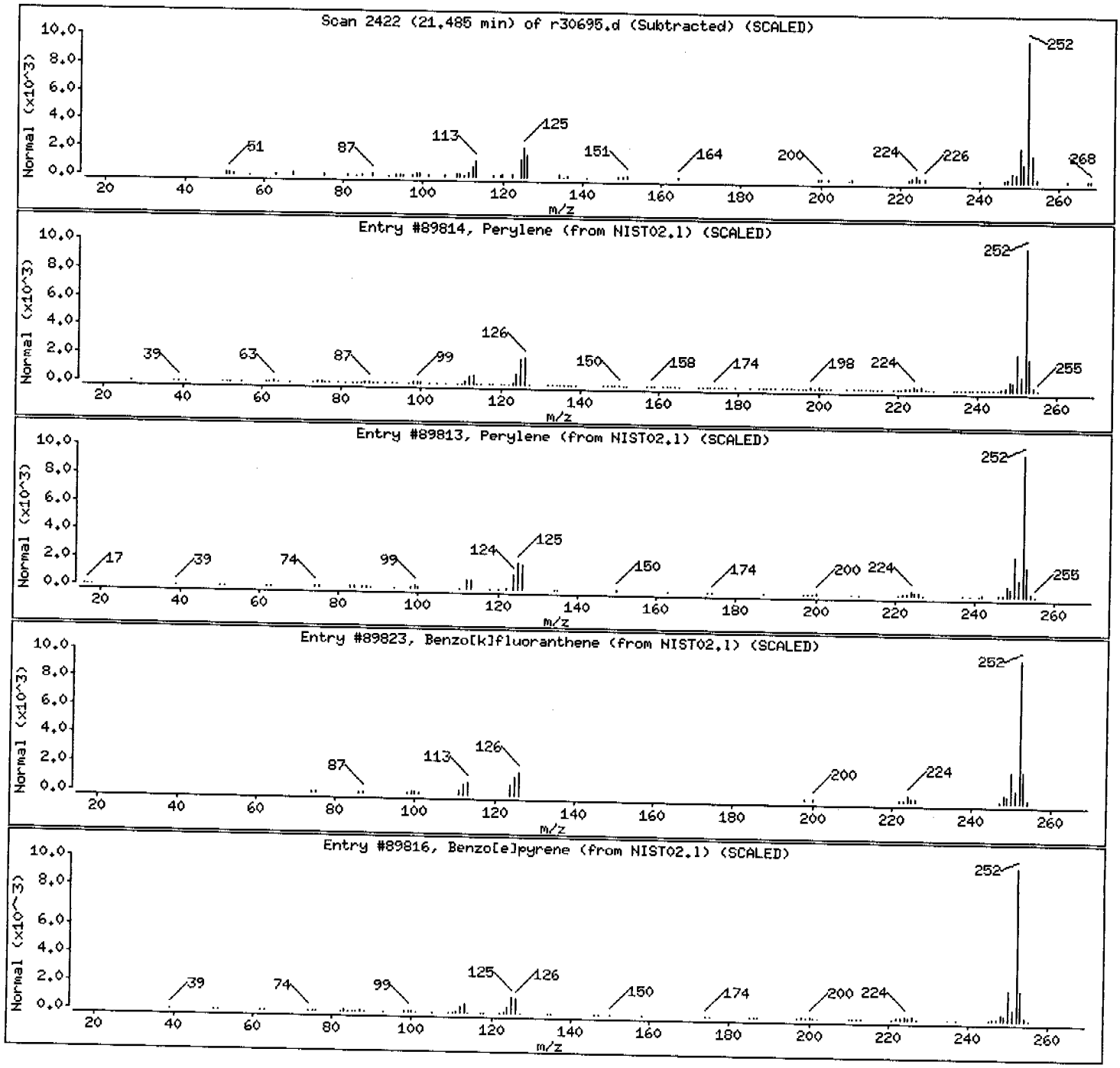
Client ID: B1410-SS02 Instrument: BNAMS1.i

Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Perylene	198-55-0	NIST02.l	89814	98	C20H12	252
Perylene	198-55-0	NIST02.l	89813	98	C20H12	252
Benzo[k]fluoranthene	207-08-9	NIST02.l	89823	97	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	97	C20H12	252



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

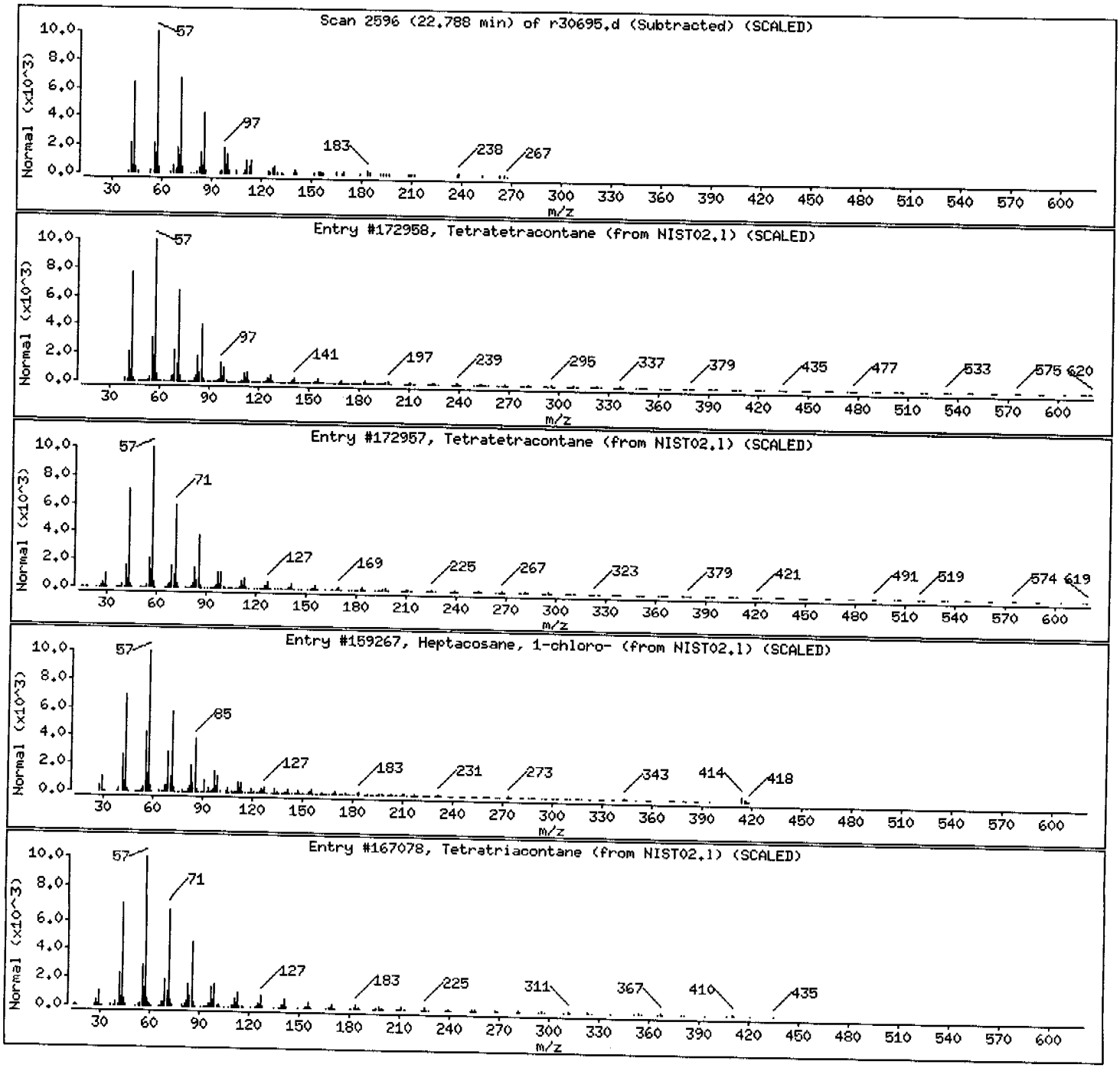
Date : 06-OCT-2006 15:19

Client ID: B1410-SS02 Instrument: BNAMS1.i

Sample Info: 775279;3281023 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetratetracontane	7098-22-8	NIST02.l	172958	91	C44H90	619
Tetratetracontane	7098-22-8	NIST02.l	172957	91	C44H90	619
Heptacosane, 1-chloro-	62016-79-9	NIST02.l	159267	90	C27H55Cl	414
Tetratriacontane	14167-59-0	NIST02.l	167078	90	C34H70	479



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

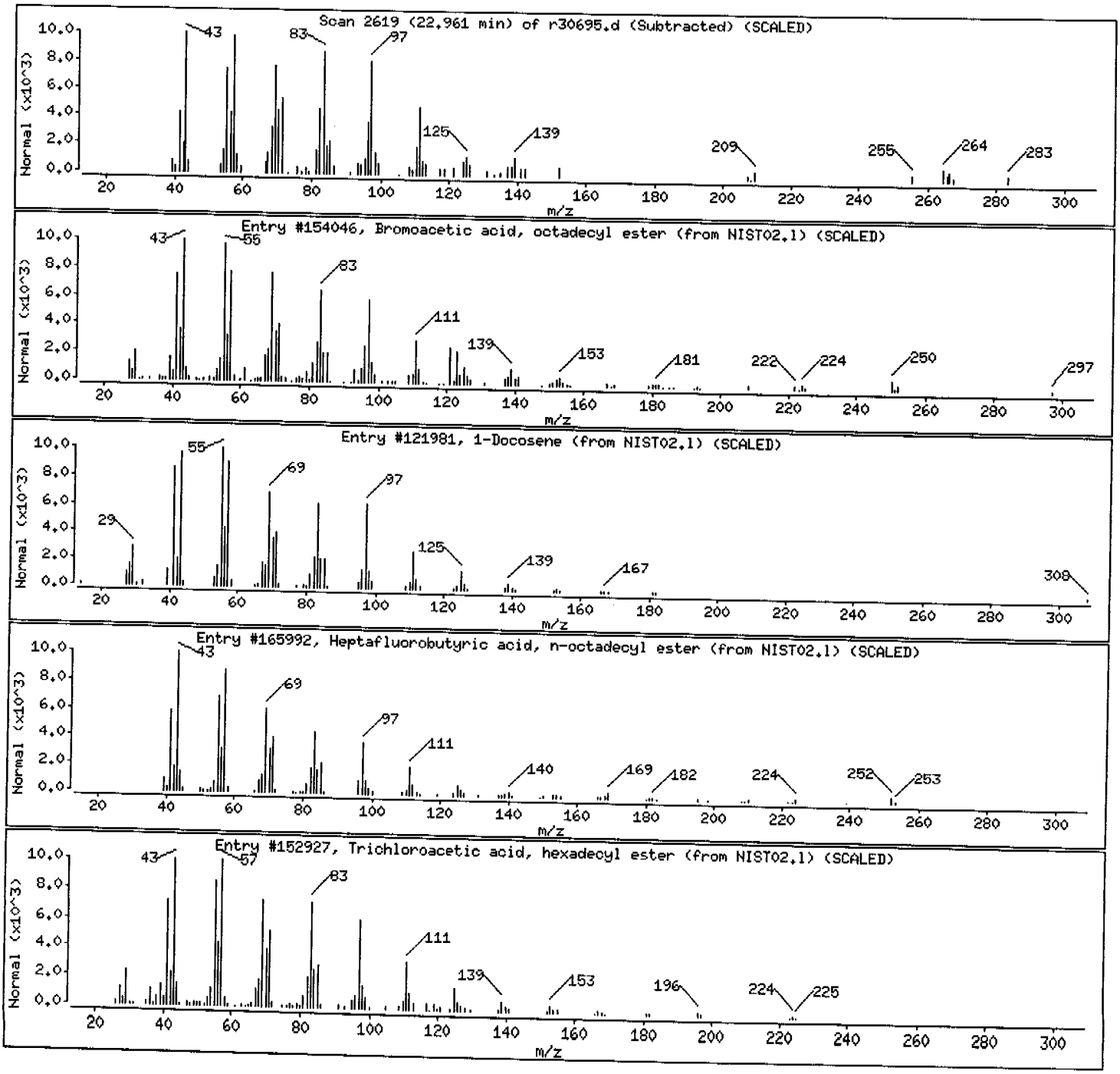
Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bromoacetic acid, octadecyl ester	18992-03-5	NIST02.l	154046	90	C20H39BrO2	390
1-Docosene	1599-67-3	NIST02.l	121981	58	C22H44	308
Heptafluorobutyric acid, n-octadecyl est	400-57-7	NIST02.l	165992	58	C22H37F7O2	466
Trichloroacetic acid, hexadecyl ester	74339-54-1	NIST02.l	152927	58	C18H33Cl3O2	386



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30695.d

Date : 06-OCT-2006 15:19

Client ID: B1410-SS02

Instrument: BNAMS1.i

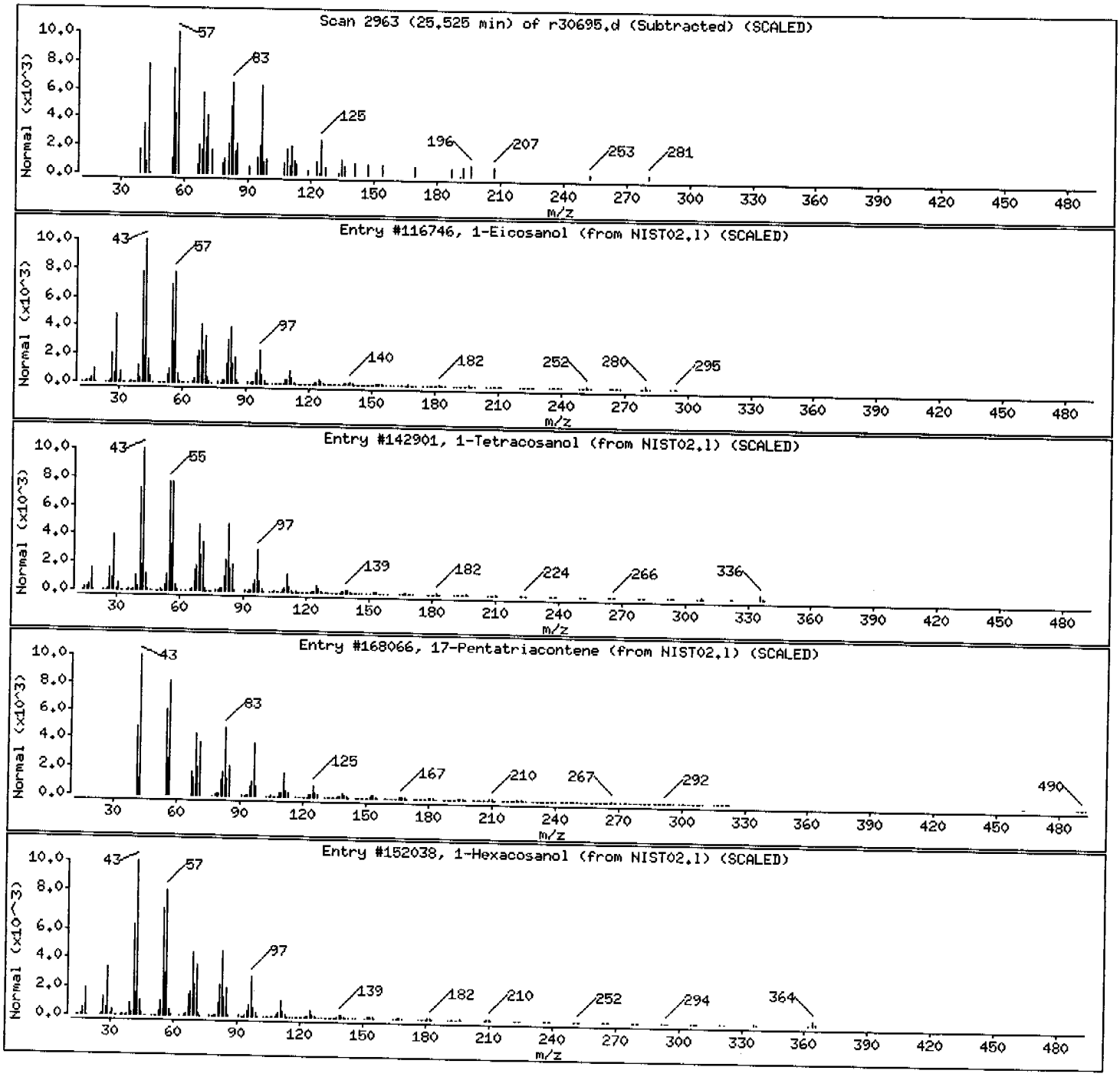
Sample Info: 775279;3281023

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Eicosanol	629-96-9	NIST02.l	116746	64	C20H42O	298
1-Tetracosanol	506-51-4	NIST02.l	142901	62	C24H50O	354
17-Pentatriacontene	6971-40-0	NIST02.l	168066	58	C35H70	491
1-Hexacosanol	506-52-5	NIST02.l	152038	58	C26H54O	382



Client ID: **B1410-SS03**
Site: Sun Chemical SI

Lab Sample No: **775280**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30887.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	78
2-Methylnaphthalene	ND	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	780
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	78
3-Nitroaniline	ND	780
Acenaphthene	ND	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
4-Nitroaniline	ND	780
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	ND	390
Anthracene	ND	390

Client ID: **B1410-SS03**
Site: Sun Chemical SI

Lab Sample No: **775280**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30887.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	ND	390
Pyrene	ND	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	ND	39
Chrysene	ND	390
bis(2-Ethylhexyl)phthalate	92 J	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	ND	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	ND	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	ND	390

Client ID: **B1410-SS03**
Site: Sun Chemical SI

Lab Sample No: **775280**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30887.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30887.d
Report Date: 20-Oct-2006 14:48

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30887.d
Lab Smp Id: 775280 Client Smp ID: B1410-SS03
Inj Date : 20-OCT-2006 12:23
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775280;3281040
Misc Info : X924;SB291;QA4704
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/20oct06.b/8270C6-1.m
Meth Date : 20-Oct-2006 14:45 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	14.40000	% Moisture

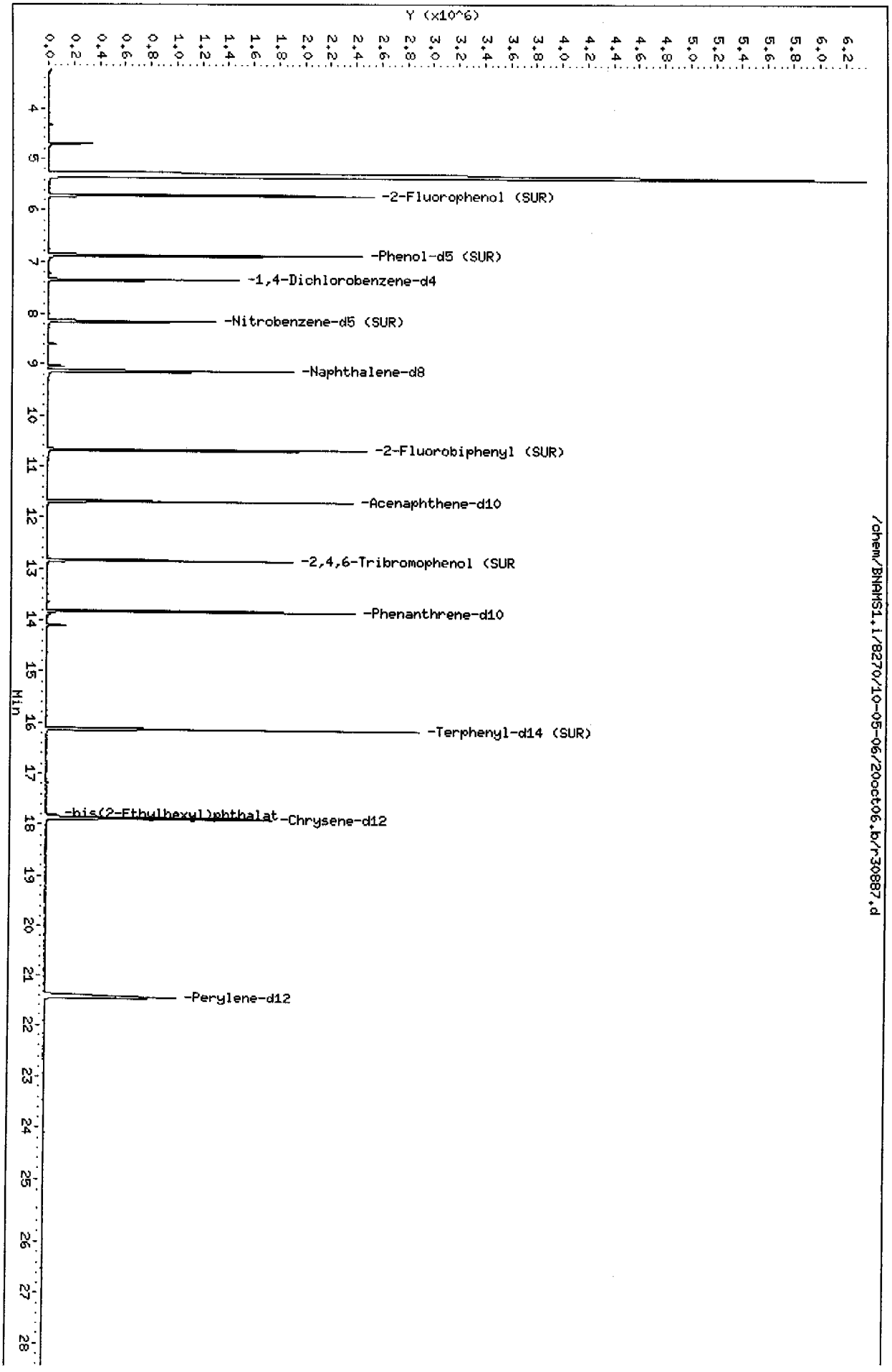
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.709	5.691	(0.777)	989518	84.4303	6600
$	17 Phenol-d5 (SUR)	99	6.884	6.875	(0.937)	1306426	89.6722	7000
*	79 1,4-Dichlorobenzene-d4	152	7.344	7.345	(1.000)	312935	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.145	8.149	(0.892)	522864	40.7658	3200
*	80 Naphthalene-d8	136	9.128	9.132	(1.000)	1251318	40.0000	
$	77 2-Fluorobiphenyl (SUR)	172	10.679	10.685	(0.914)	1047566	39.8335	3100
*	82 Acenaphthene-d10	164	11.684	11.687	(1.000)	882751	40.0000	
$	18 2,4,6-Tribromophenol (SUR)	330	12.843	12.849	(1.099)	276911	57.0429	4400
*	83 Phenanthrene-d10	188	13.830	13.826	(1.000)	1390106	40.0000	
$	78 Terphenyl-d14 (SUR)	244	16.125	16.123	(0.902)	1261619	43.5811	3400
	63 bis(2-Ethylhexyl)phthalate	149	17.807	17.813	(0.996)	41103	1.18896	92(a)
*	81 Chrysene-d12	240	17.874	17.889	(1.000)	1317486	40.0000	
*	84 Perylene-d12	264	21.432	21.442	(1.000)	1140940	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30887.d
Report Date: 20-Oct-2006 14:48

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30887.d
Date : 20-OCT-2006 12:23
Client ID: B1410-SS03
Sample Info: 775280;3281040
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAHS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30887.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-bis(2-Ethylhexyl)phthalat
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30887.d

Date : 20-OCT-2006 12:23

Client ID: B1410-SS03

Instrument: BNAMS1.i

Sample Info: 775280;3281040

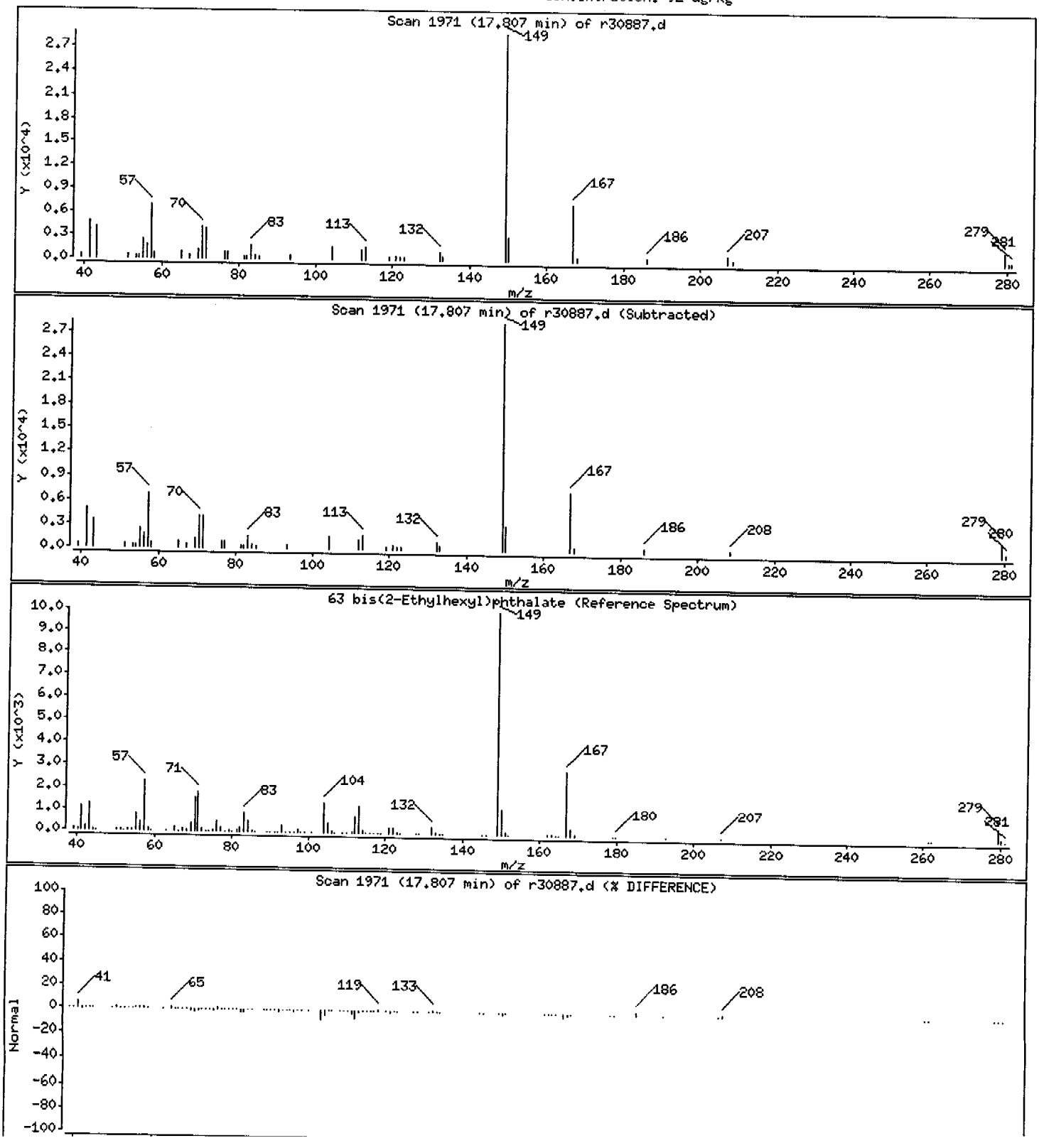
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 92 ug/Kg



Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample No: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30714.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 50.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	2000
1,3-Dichlorobenzene	ND	20000
1,4-Dichlorobenzene	ND	20000
1,2-Dichlorobenzene	ND	20000
bis(2-chloroisopropyl)ether	ND	20000
N-Nitroso-di-n-propylamine	ND	2000
Hexachloroethane	ND	2000
Nitrobenzene	ND	2000
Isophorone	ND	20000
bis(2-Chloroethoxy)methane	ND	20000
1,2,4-Trichlorobenzene	ND	2000
Naphthalene	1200 J	20000
4-Chloroaniline	ND	20000
Hexachlorobutadiene	ND	3900
2-Methylnaphthalene	1100 J	20000
Hexachlorocyclopentadiene	ND	20000
2-Chloronaphthalene	ND	20000
2-Nitroaniline	ND	39000
Dimethylphthalate	ND	20000
Acenaphthylene	3900 J	20000
2,6-Dinitrotoluene	ND	3900
3-Nitroaniline	ND	39000
Acenaphthene	5600 J	20000
Dibenzofuran	7200 J	20000
2,4-Dinitrotoluene	ND	3900
Diethylphthalate	ND	20000
4-Chlorophenyl-phenylether	ND	20000
Fluorene	14000 J	20000
4-Nitroaniline	ND	39000
N-Nitrosodiphenylamine	ND	20000
4-Bromophenyl-phenylether	ND	20000
Hexachlorobenzene	ND	2000
Phenanthrene	160000	20000
Anthracene	41000	20000

Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample No: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30714.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 50.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	7500 J	20000
Di-n-butylphthalate	ND	20000
Fluoranthene	190000	20000
Pyrene	160000	20000
Butylbenzylphthalate	ND	20000
3,3'-Dichlorobenzidine	ND	39000
Benzo(a)anthracene	93000	2000
Chrysene	83000	20000
bis(2-Ethylhexyl)phthalate	7700 J	20000
Di-n-octylphthalate	ND	20000
Benzo(b)fluoranthene	60000	2000
Benzo(k)fluoranthene	89000	2000
Benzo(a)pyrene	74000	2000
Indeno(1,2,3-cd)pyrene	29000	2000
Dibenz(a,h)anthracene	13000	2000
Benzo(g,h,i)perylene	26000	20000

Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample No: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30714.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 50.0
% Moisture: 15.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.75	27000	
2.	C15H10 PAH	14.90	53000	
3.	C16H10O Ketone	16.25	18000	
4.	C16H10O Ketone	16.40	18000	
5.	C17H12 PAH	16.58	38000	
6.	C17H12 PAH	16.67	22000	
7.	C17H12 PAH	16.74	20000	
8.	C17H12 PAH	16.88	17000	
9.	Unknown	17.01	20000	
10.	Unknown	17.07	45000	
11.	Benzo(b)naphthothiophene isomer	17.61	19000	
12.	C18H10 PAH	17.71	19000	
13.	C19H14 PAH	18.93	21000	
14.	C20H12 PAH	21.44	64000	
15.	C20H12 PAH	21.86	33000	
16.				
17.				
18.				
19.				
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26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 434000

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d
Report Date: 09-Oct-2006 12:09

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d
Lab Smp Id: 775281 Client Smp ID: B1408-SS01
Inj Date : 08-OCT-2006 13:25
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775281;3281057
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 11:30 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 9
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	15.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	7.480	7.480	(1.000)	240087	40.0000	
* 80 Naphthalene-d8	136	9.275	9.272	(1.000)	1012211	40.0000	
31 Naphthalene	128	9.297	9.302	(1.002)	7915	0.31285	1200(a)
34 2-Methylnaphthalene	142	10.274	10.281	(1.108)	4777	0.26998	1100(a)
39 Acenaphthylene	152	11.615	11.618	(0.981)	30056	0.98752	3900(a)
* 82 Acenaphthene-d10	164	11.839	11.835	(1.000)	728699	40.0000	
42 Acenaphthene	154	11.876	11.887	(1.003)	26181	1.41531	5600(a)
43 Dibenzofuran	168	12.098	12.112	(1.022)	52438	1.82211	7200(a)
47 Fluorene	166	12.604	12.614	(1.065)	85948	3.67938	14000(a)
* 83 Phenanthrene-d10	188	13.985	13.981	(1.000)	1087947	40.0000	
52 Phenanthrene	178	14.022	14.026	(1.003)	1284161	39.8677	160000
53 Anthracene	178	14.075	14.086	(1.006)	335867	10.4285	41000
54 Carbazole	167	14.300	14.310	(1.022)	58001	1.90713	7500(a)
56 Fluoranthene	202	15.775	15.767	(1.128)	1601287	48.4919	190000

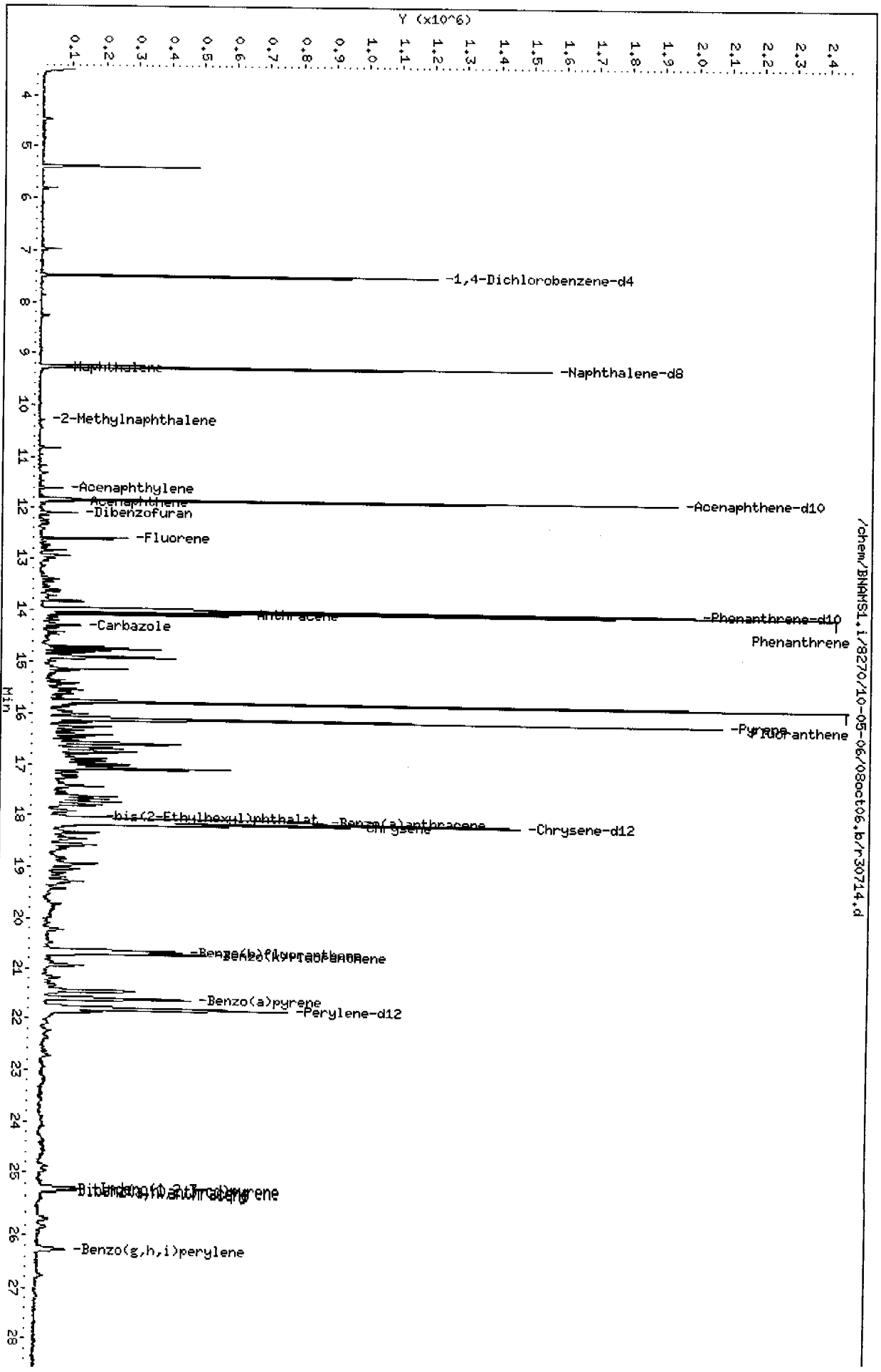
Surrogates diluted out

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d
Report Date: 09-Oct-2006 12:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	57 Pyrene	202	16.112	16.102	(0.890)	1352543	40.1715	160000
	63 bis(2-Ethylhexyl)phthalate	149	18.015	18.024	(0.995)	53878	1.95466	7700(a)
	61 Benzo(a)anthracene	228	18.061	18.062	(0.997)	678684	23.4837	93000
*	81 Chrysene-d12	240	18.110	18.107	(1.000)	1050464	40.0000	
	62 Chrysene	228	18.154	18.168	(1.002)	565325	20.9913	83000
	65 Benzo(b)fluoranthene	252	20.645	20.666	(0.947)	450444	15.2700	60000
	66 Benzo(k)fluoranthene	252	20.703	20.733	(0.949)	579808	22.6453	89000
	67 Benzo(a)pyrene	252	21.605	21.630	(0.991)	467273	18.8307	74000
*	84 Perylene-d12	264	21.808	21.802	(1.000)	773178	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.281	25.343	(1.159)	180814	7.34939	29000(H)
	69 Dibenz(a,h)anthracene	278	25.326	25.409	(1.161)	64484	3.26841	13000(H)
	70 Benzo(g,h,i)perylene	276	26.260	26.354	(1.204)	139303	6.49968	26000(H)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d
Date : 08-OCT-2006 13:25
Client ID: B1408-SS01
Sample Info: 775281;3281057
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Naphthalene-d8
-2-Methylnaphthalene
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-Fluorene
-Phenanthrene-d10
-Carbazole
Phenanthrene
-Pyrene
-Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

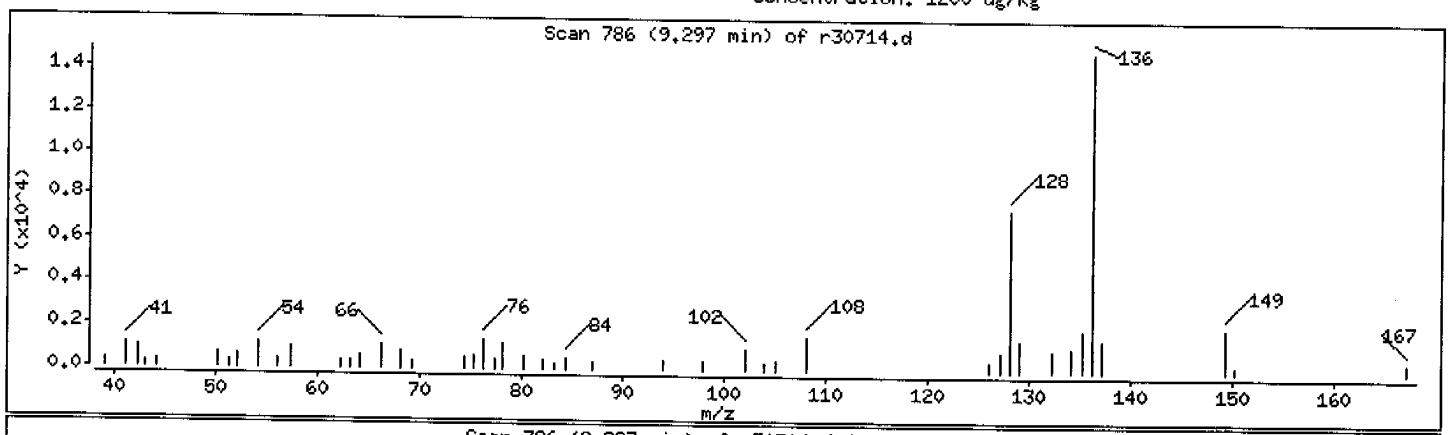
Operator: BNAMS 4

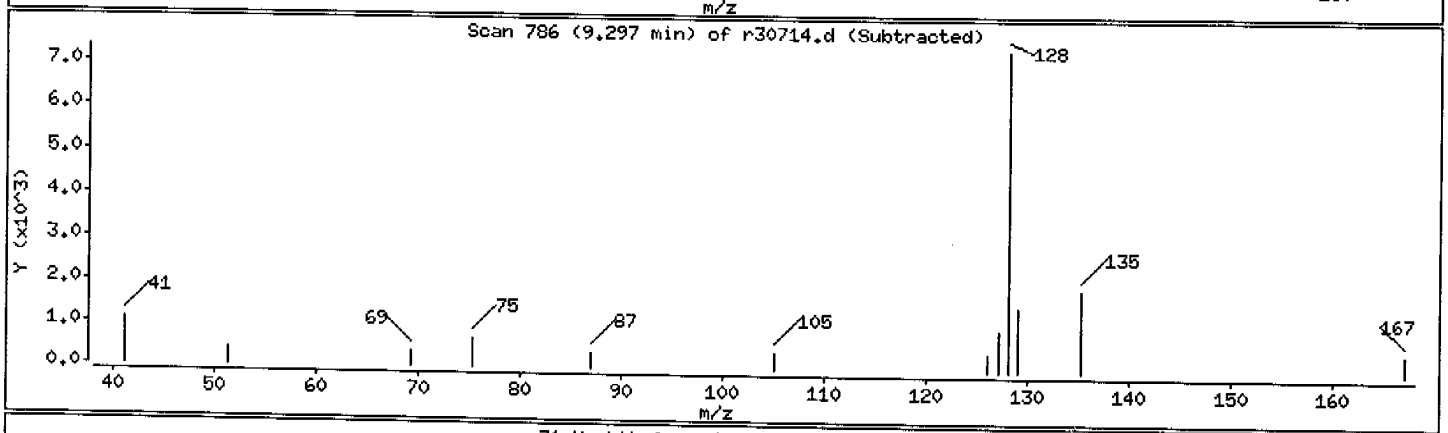
Column phase: DB-5

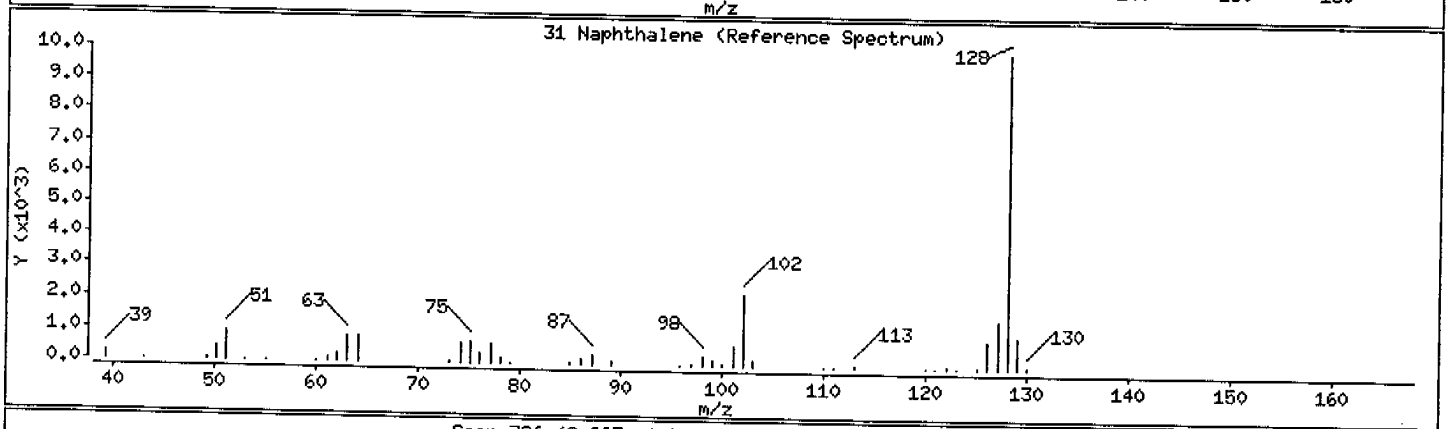
Column diameter: 0.25

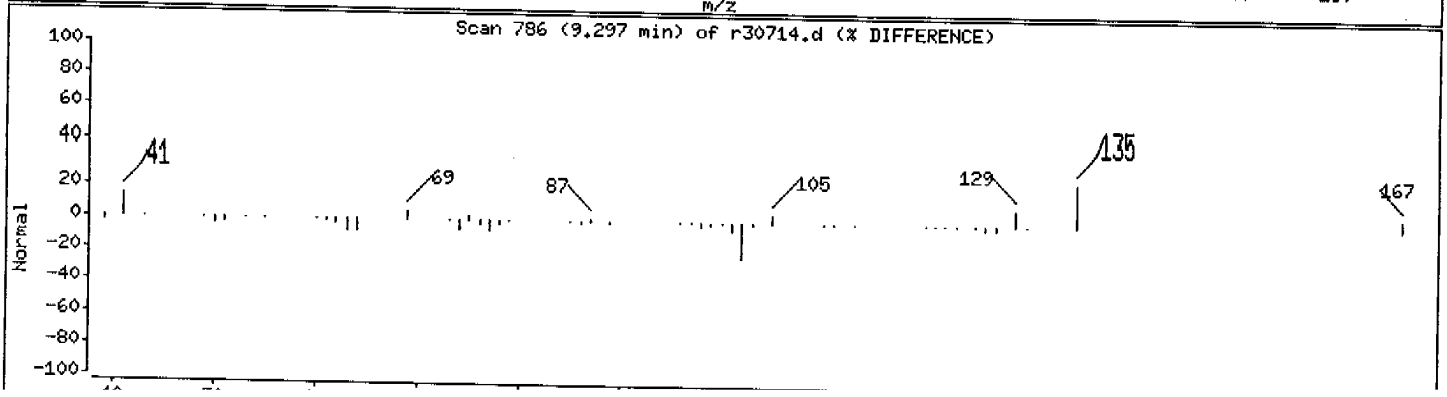
31 Naphthalene

Concentration: 1200 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

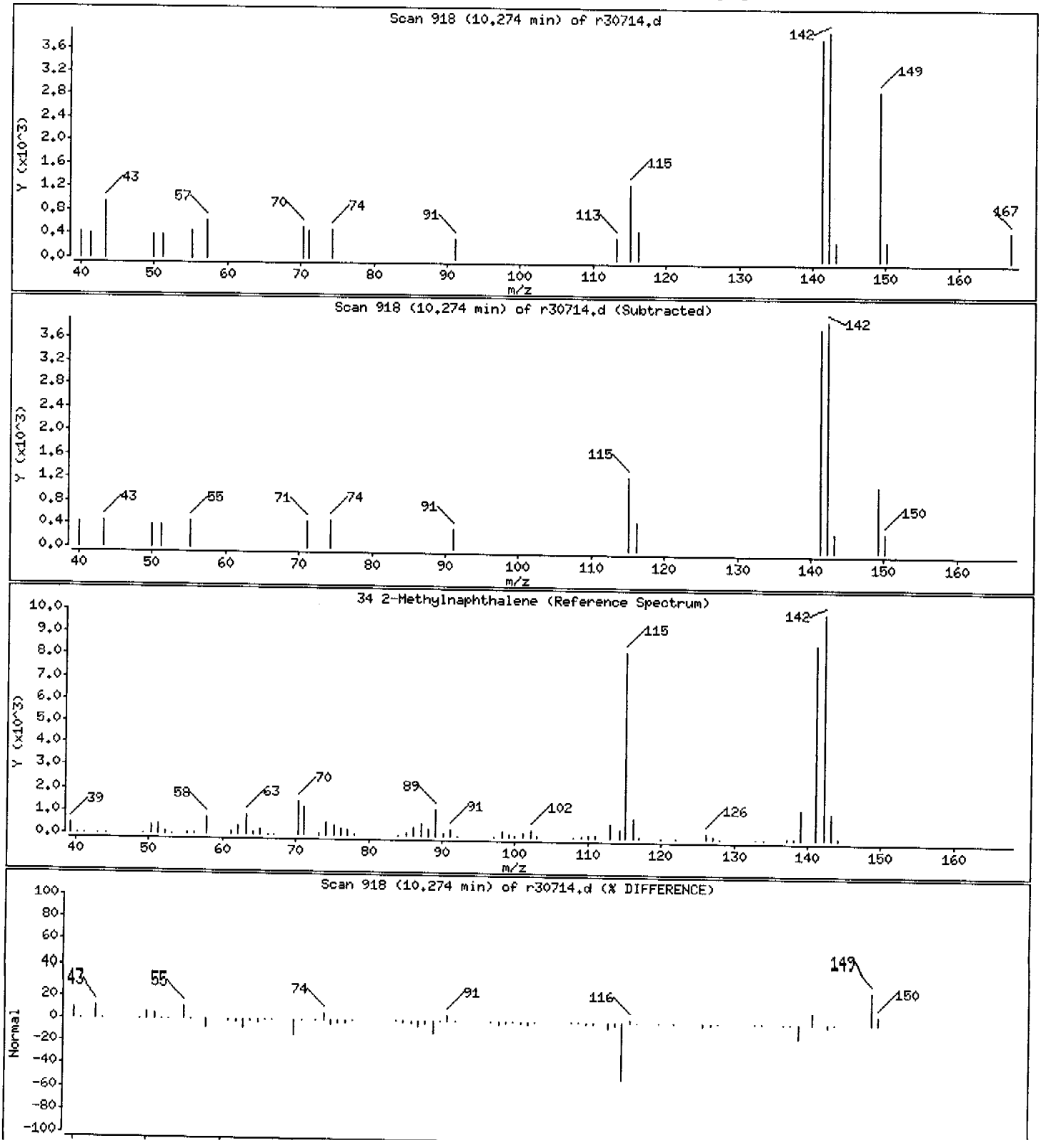
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

34 2-Methylnaphthalene

Concentration: 1100 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

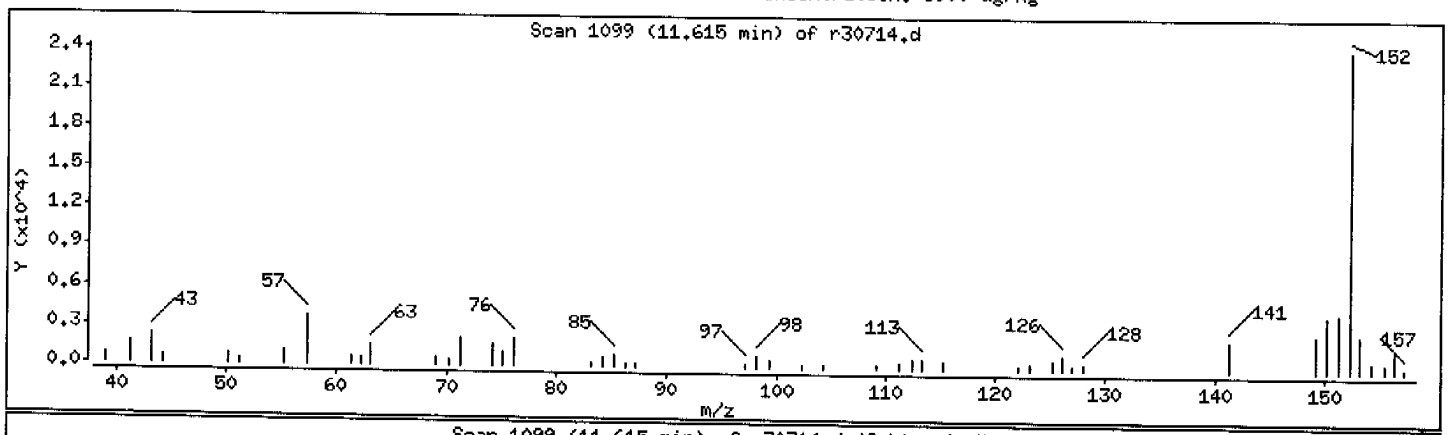
Operator: BNAMS 4

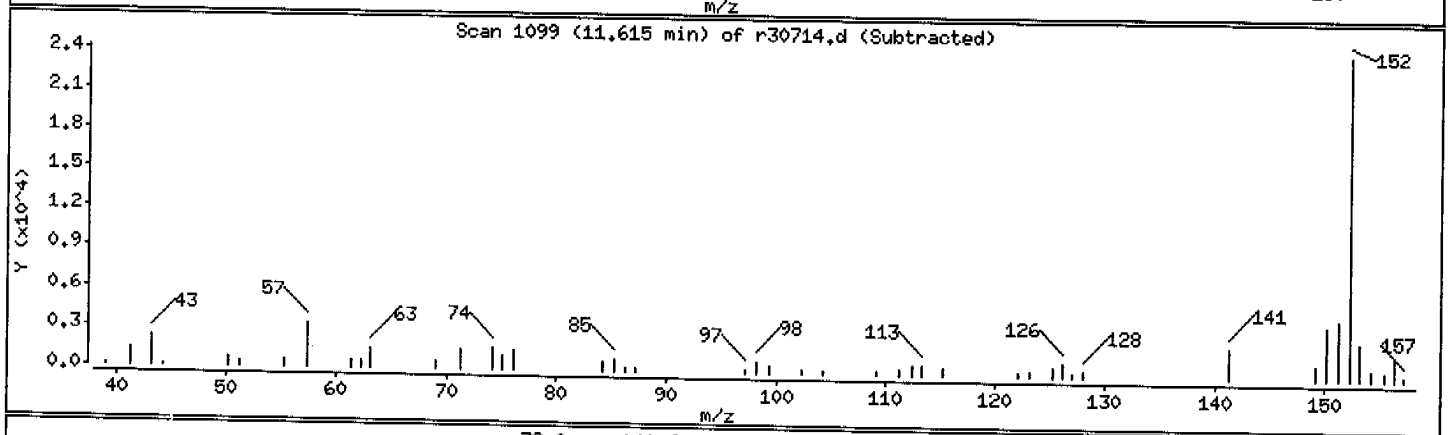
Column phase: DB-5

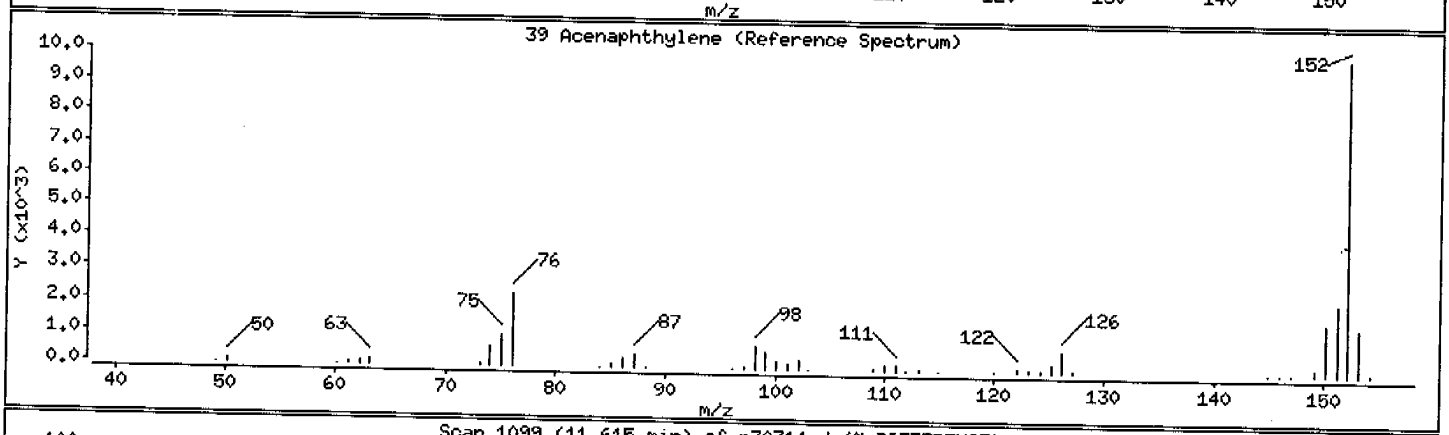
Column diameter: 0.25

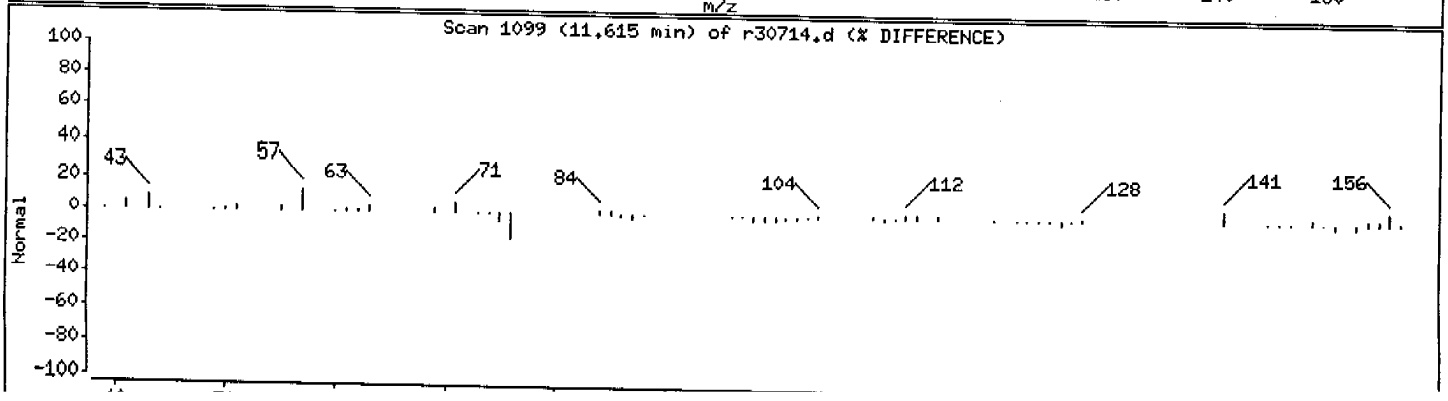
39 Acenaphthylene

Concentration: 3900 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

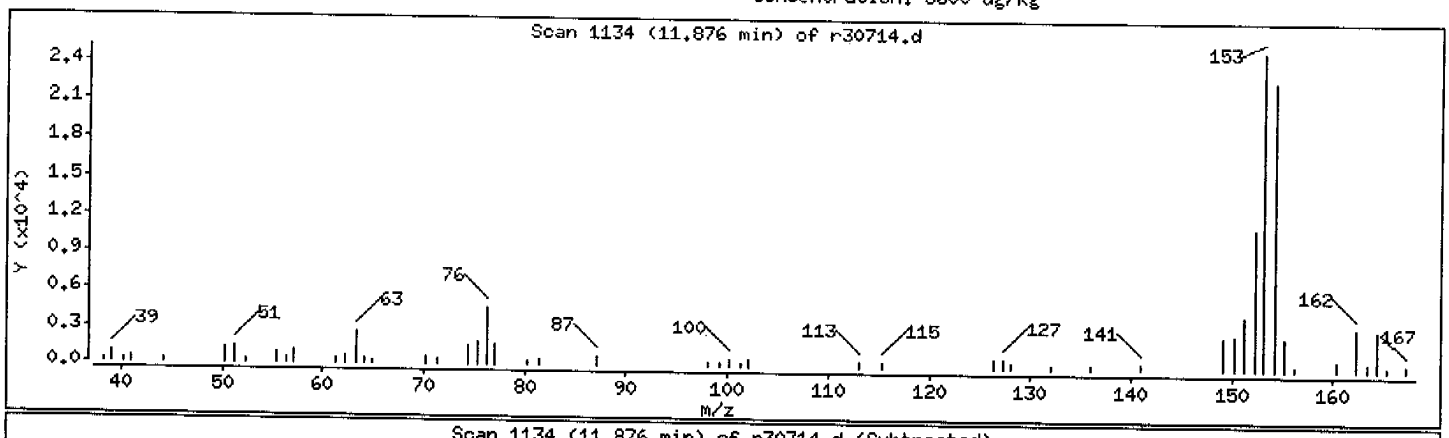
Operator: BNAMS 4

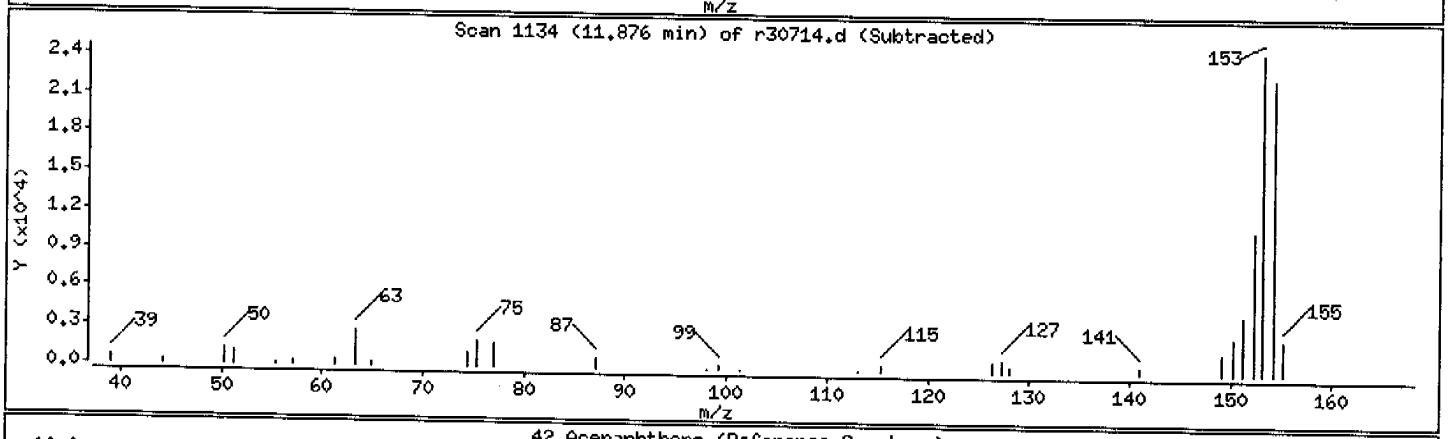
Column phase: DB-5

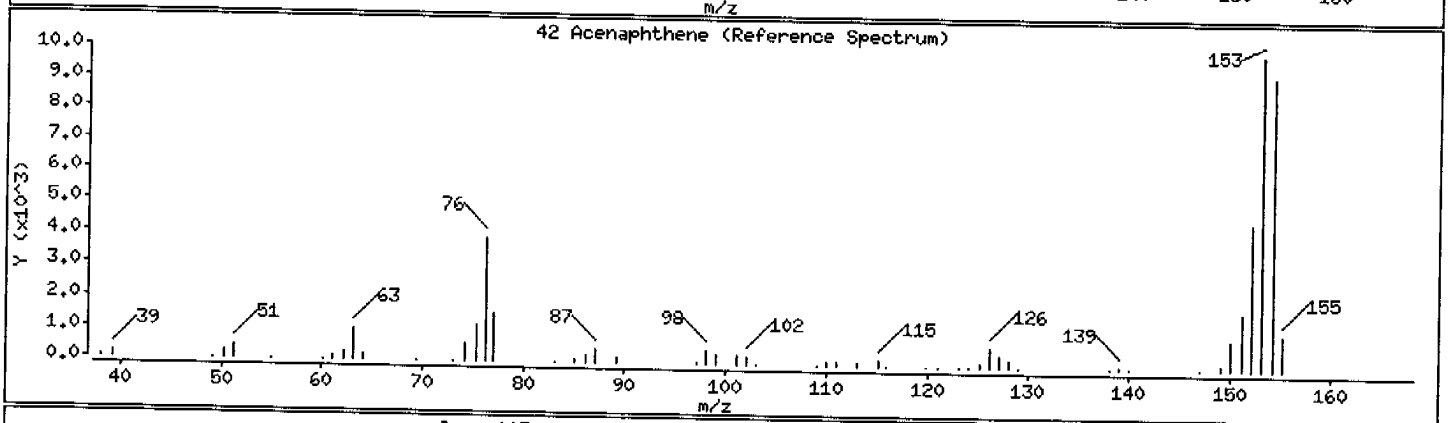
Column diameter: 0.25

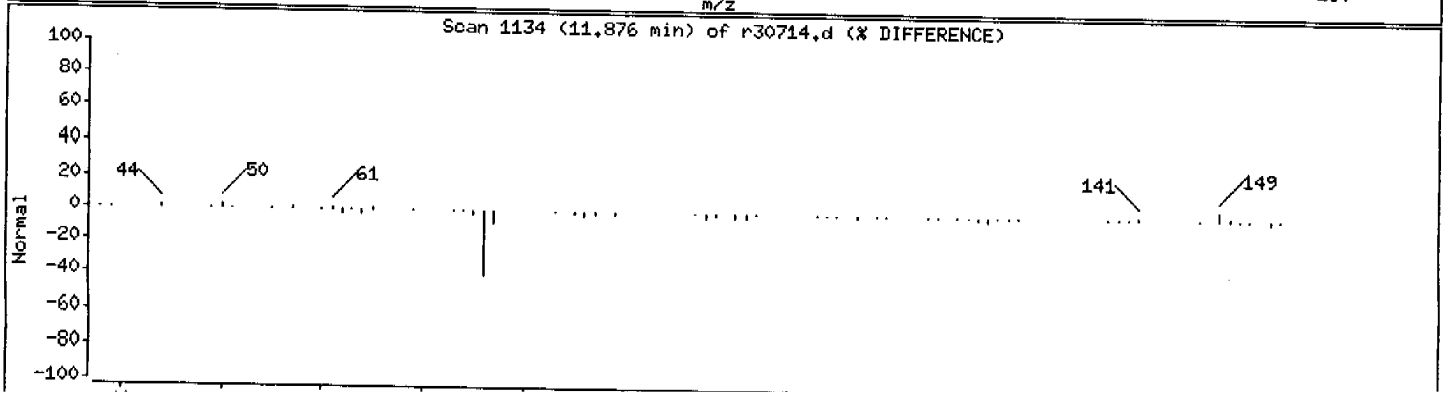
42 Acenaphthene

Concentration: 5600 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

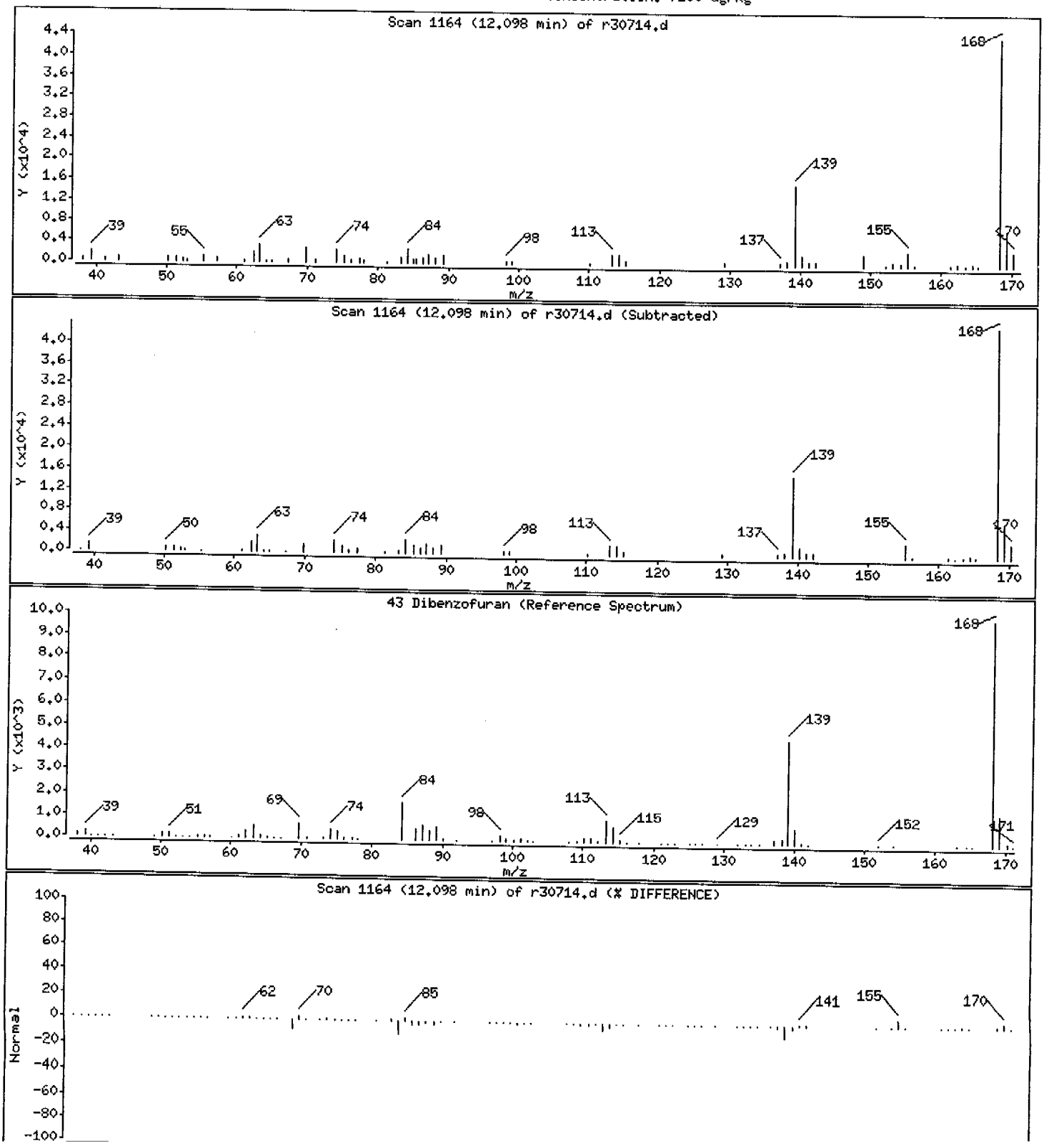
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

43 Dibenzofuran

Concentration: 7200 ug/Kg



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Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

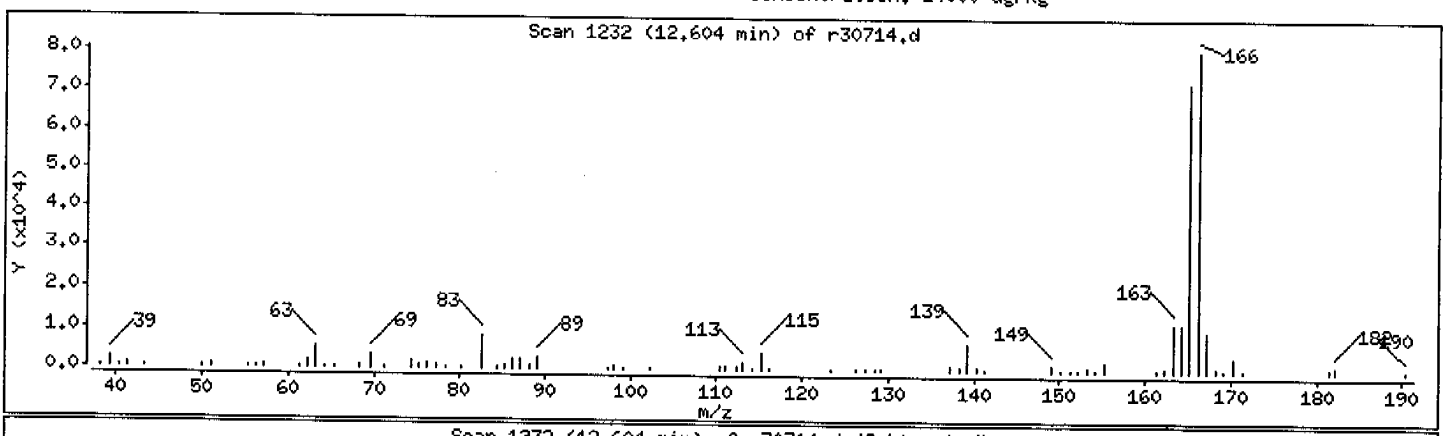
Operator: BNAMS 4

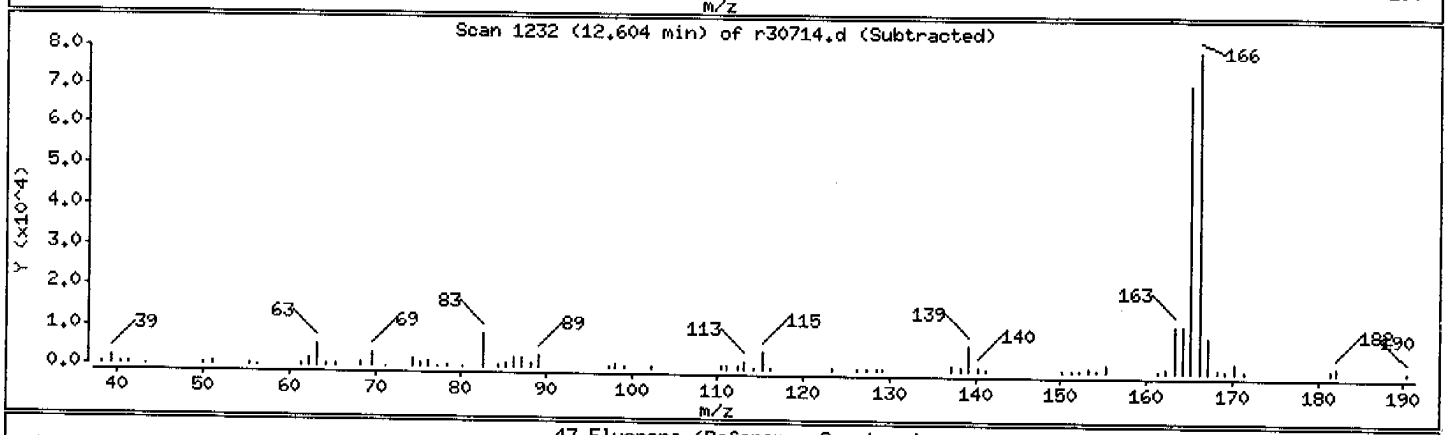
Column phase: DB-5

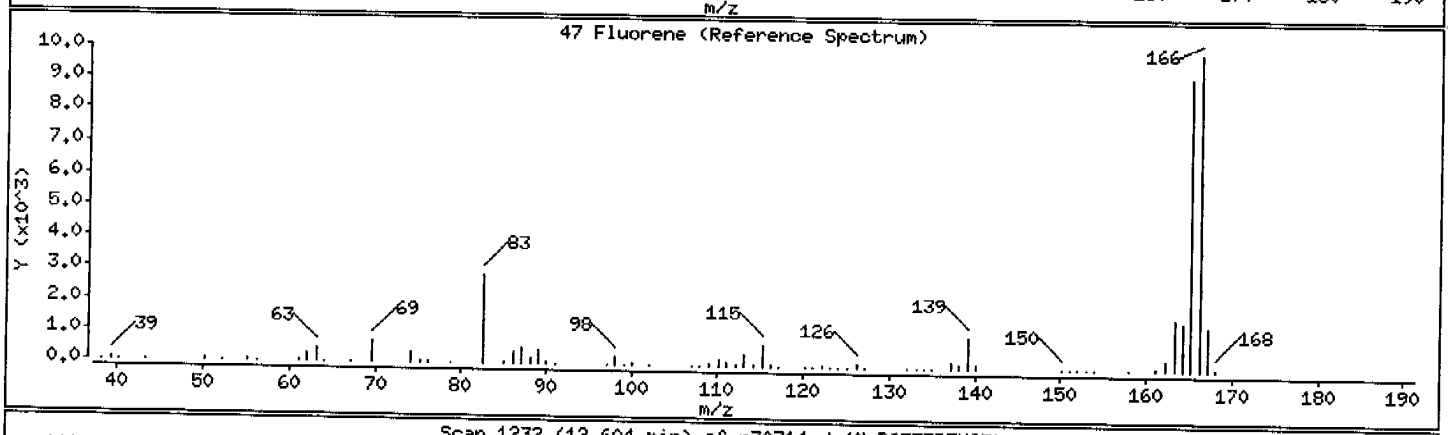
Column diameter: 0.25

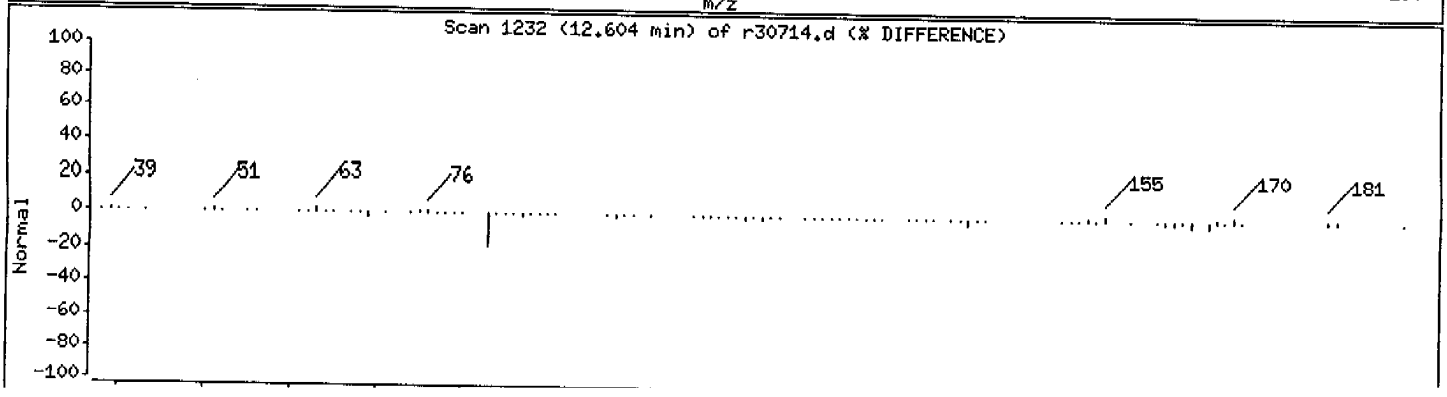
47 Fluorene

Concentration: 14000 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

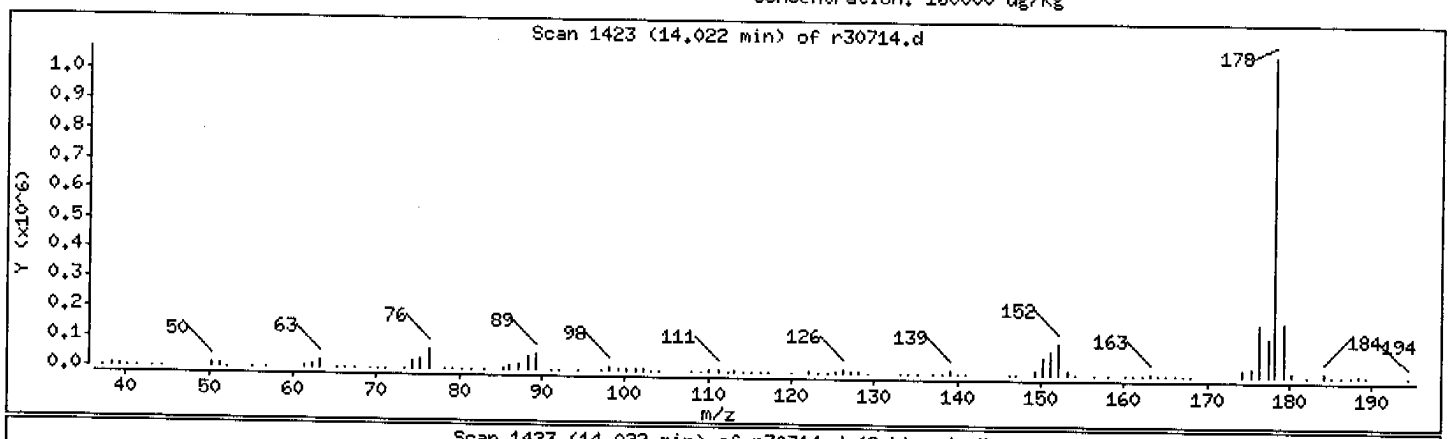
Operator: BNAMS 4

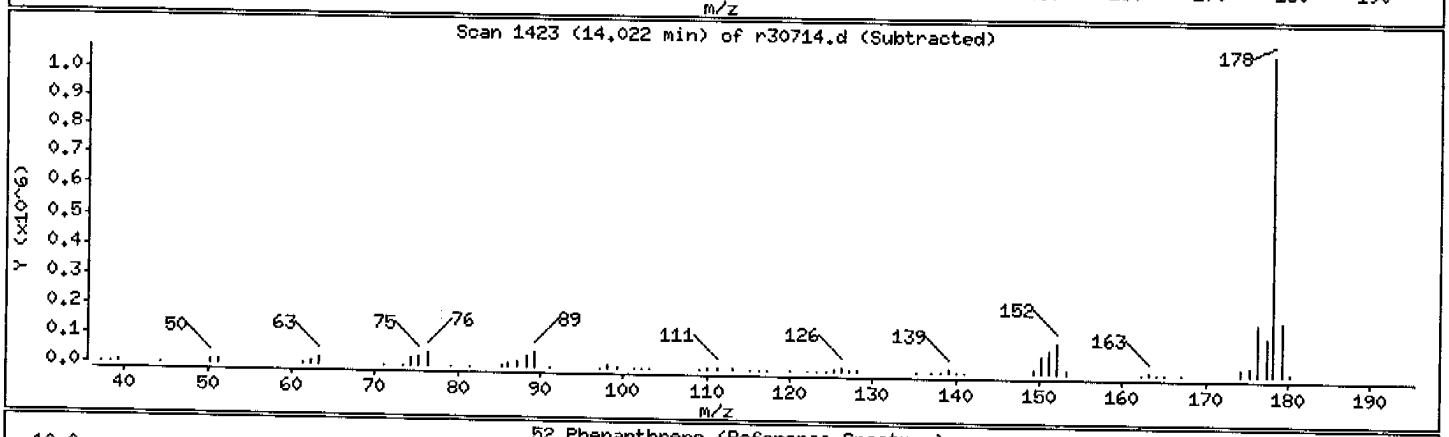
Column phase: DB-5

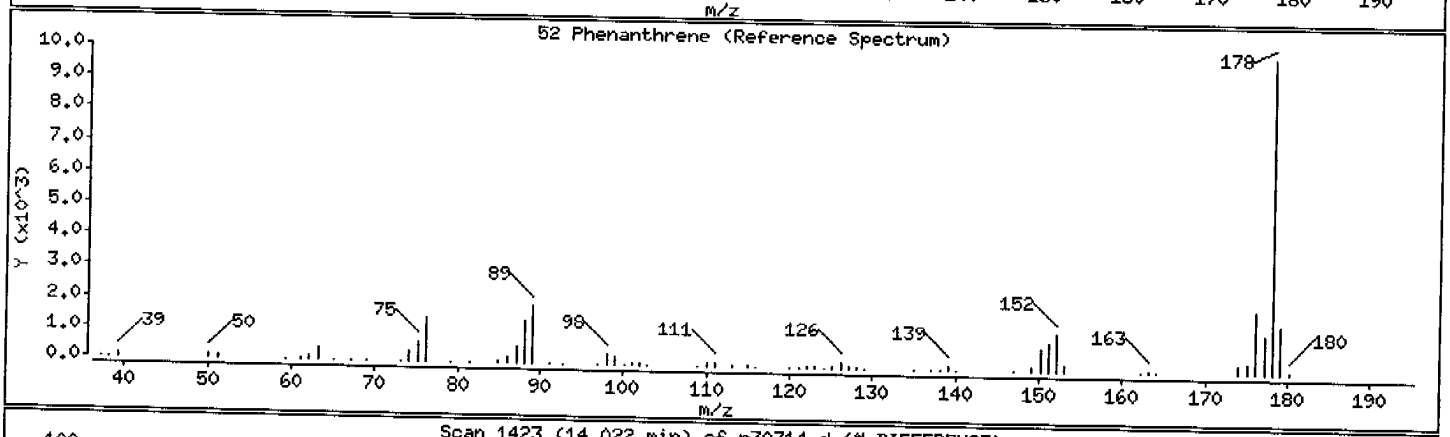
Column diameter: 0.25

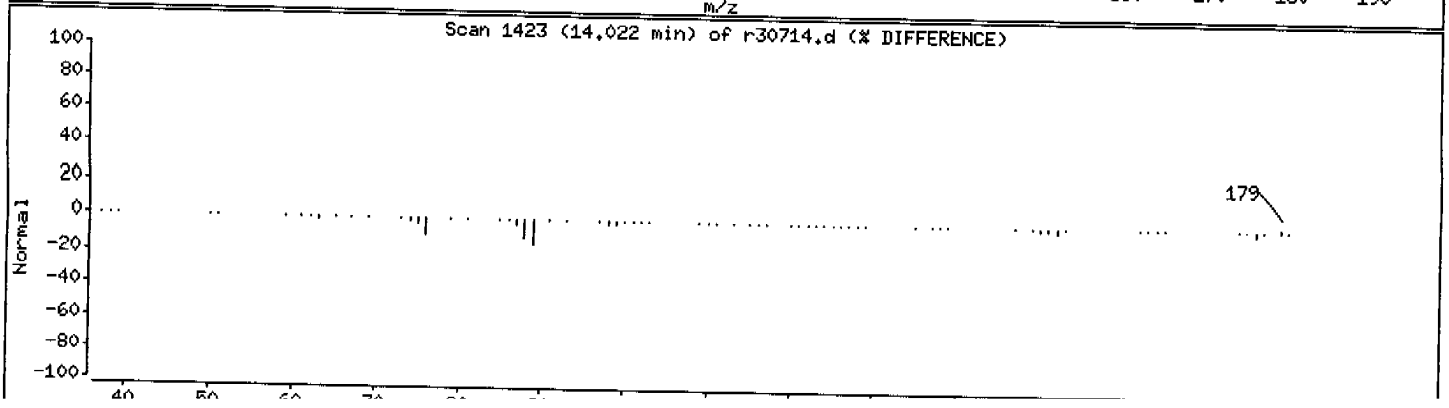
52 Phenanthrene

Concentration: 160000 ug/Kg









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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

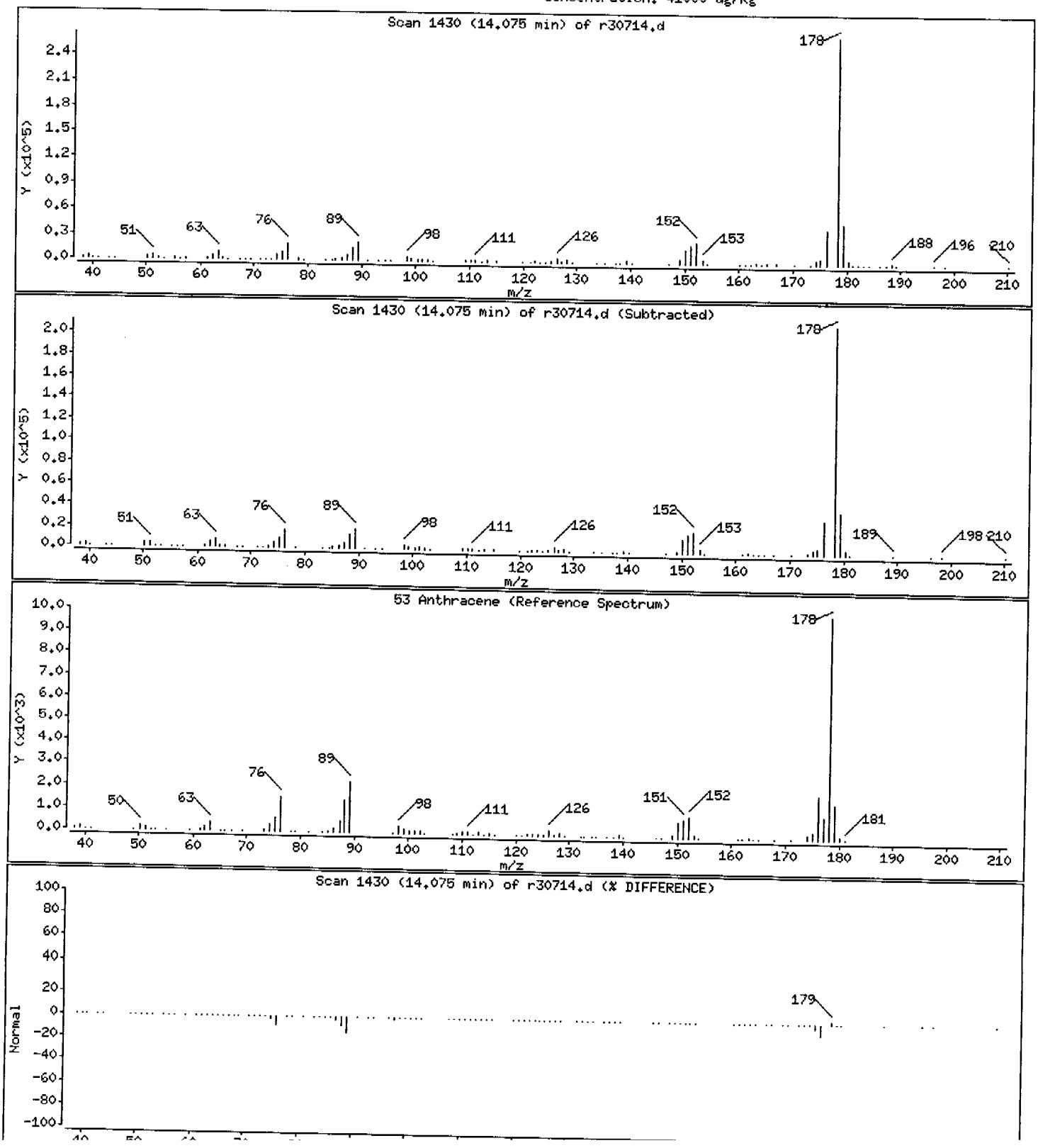
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

53 Anthracene

Concentration: 41000 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

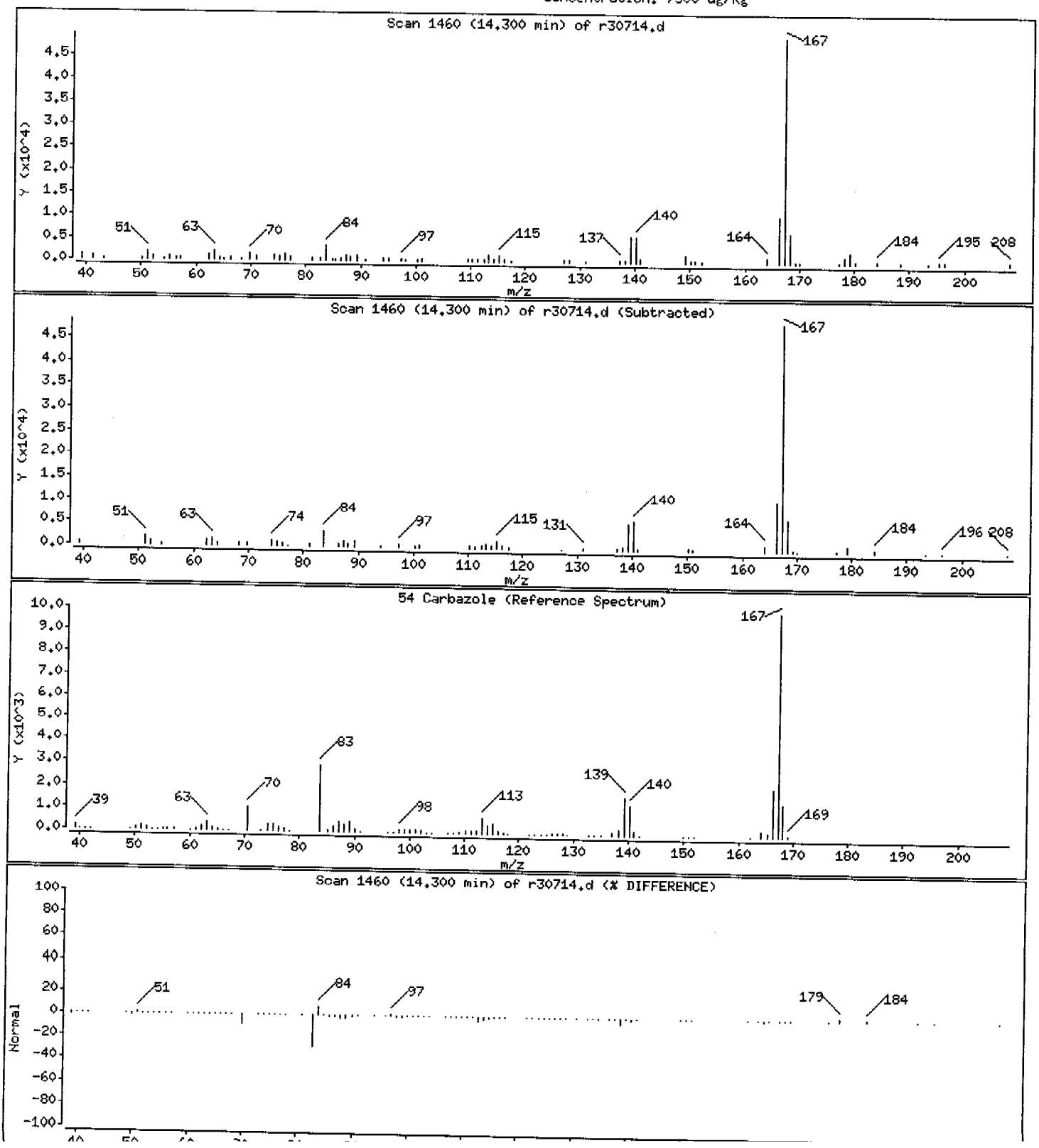
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

54 Carbazole

Concentration: 7500 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

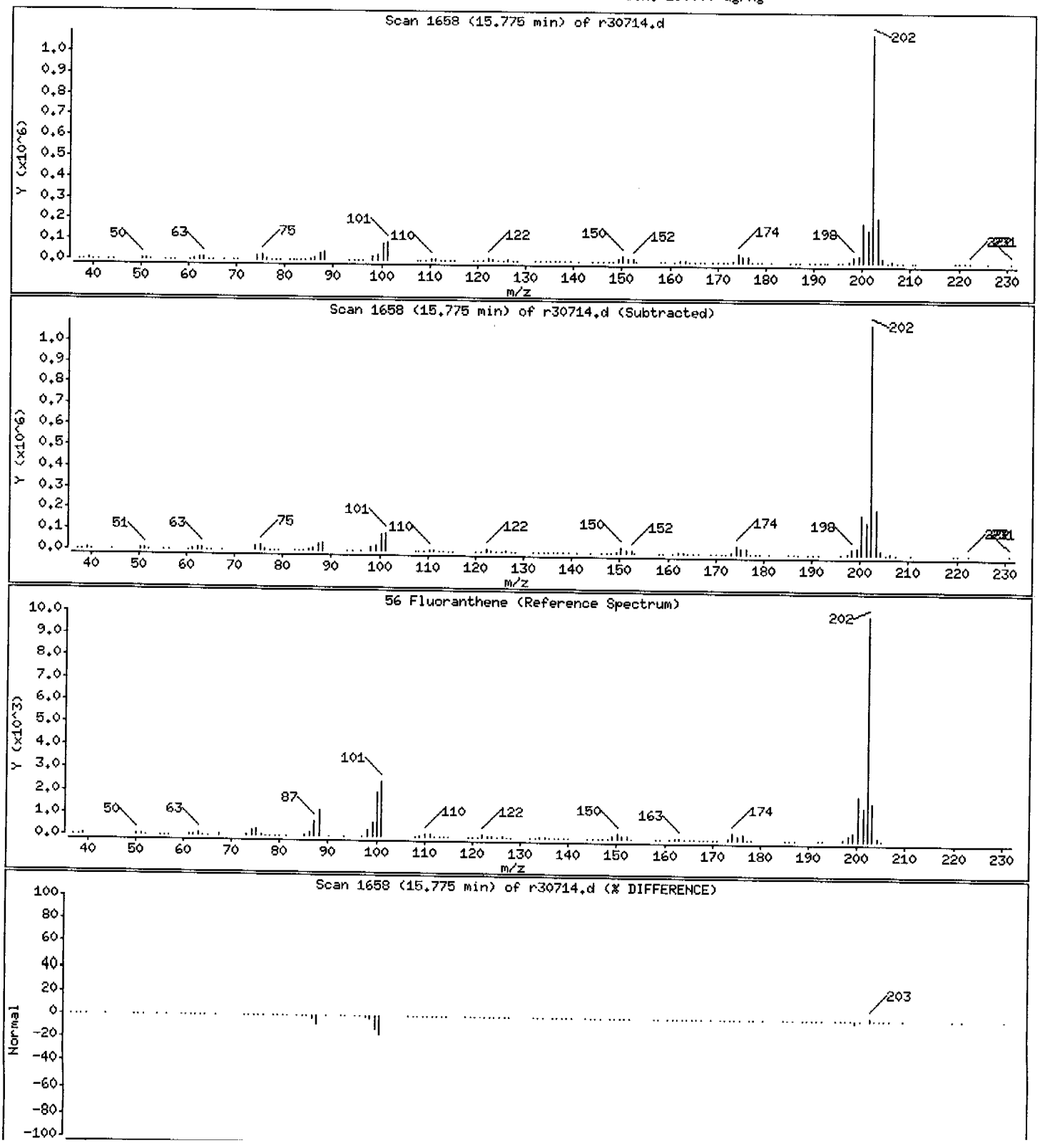
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 190000 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

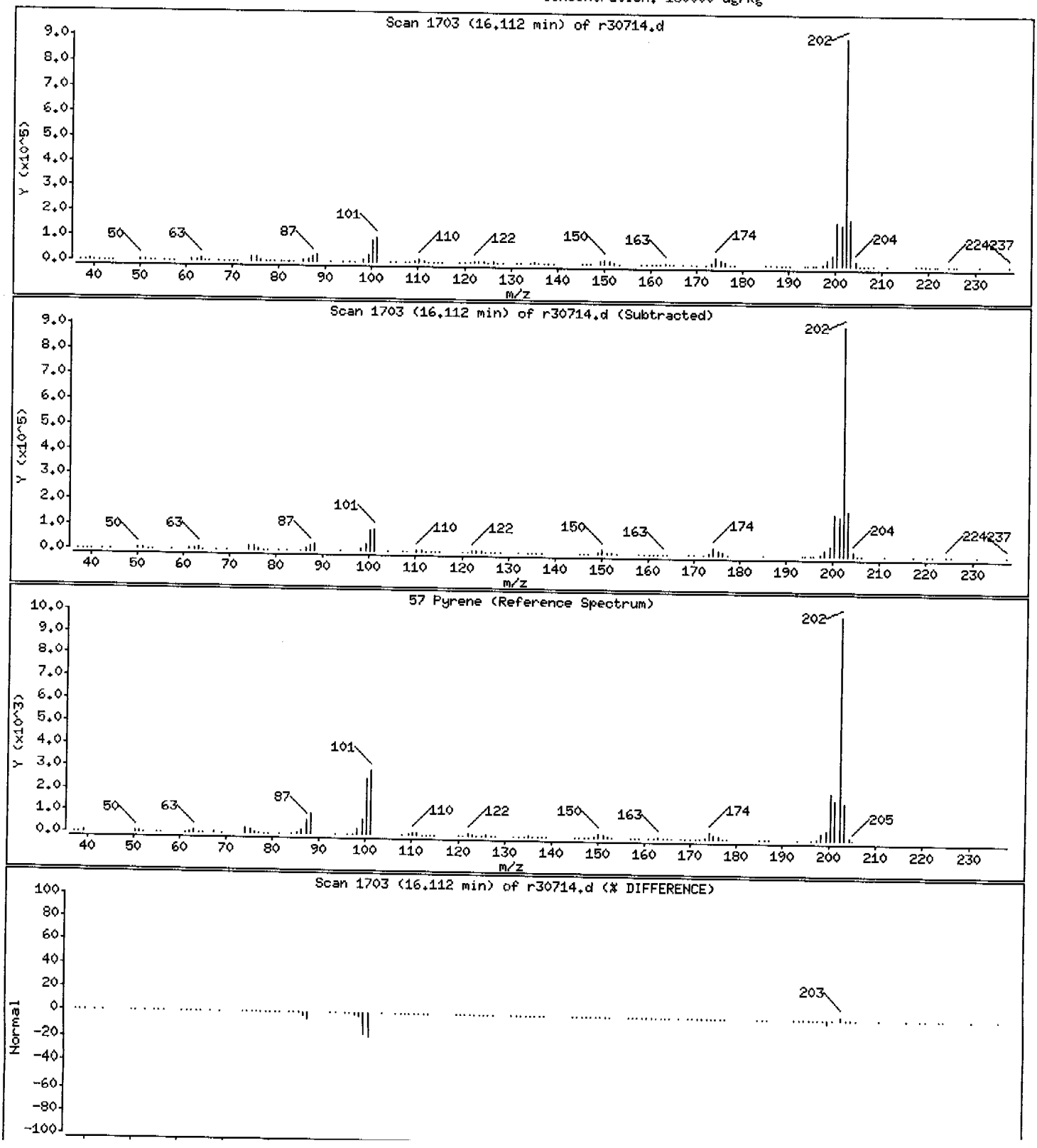
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 160000 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

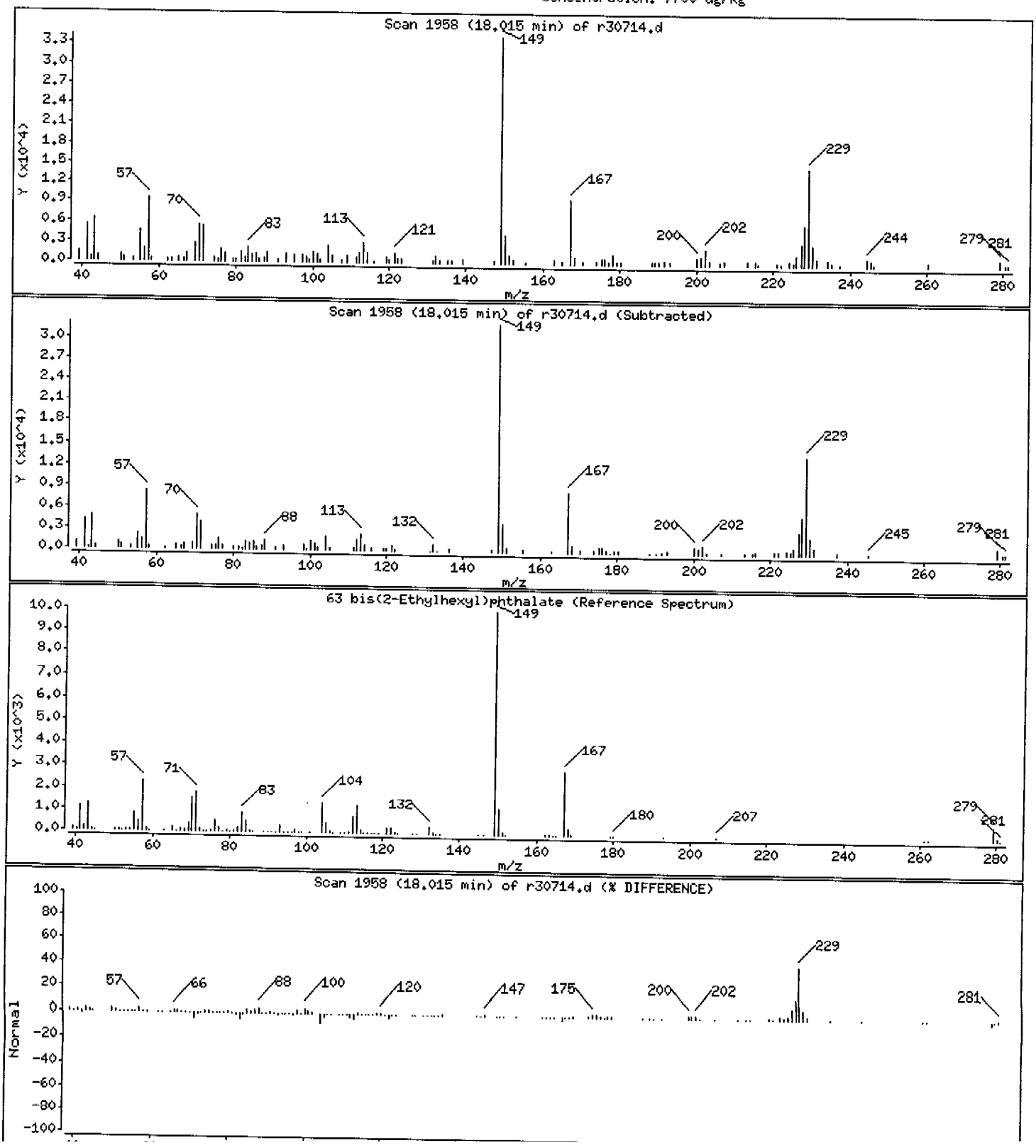
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 7700 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

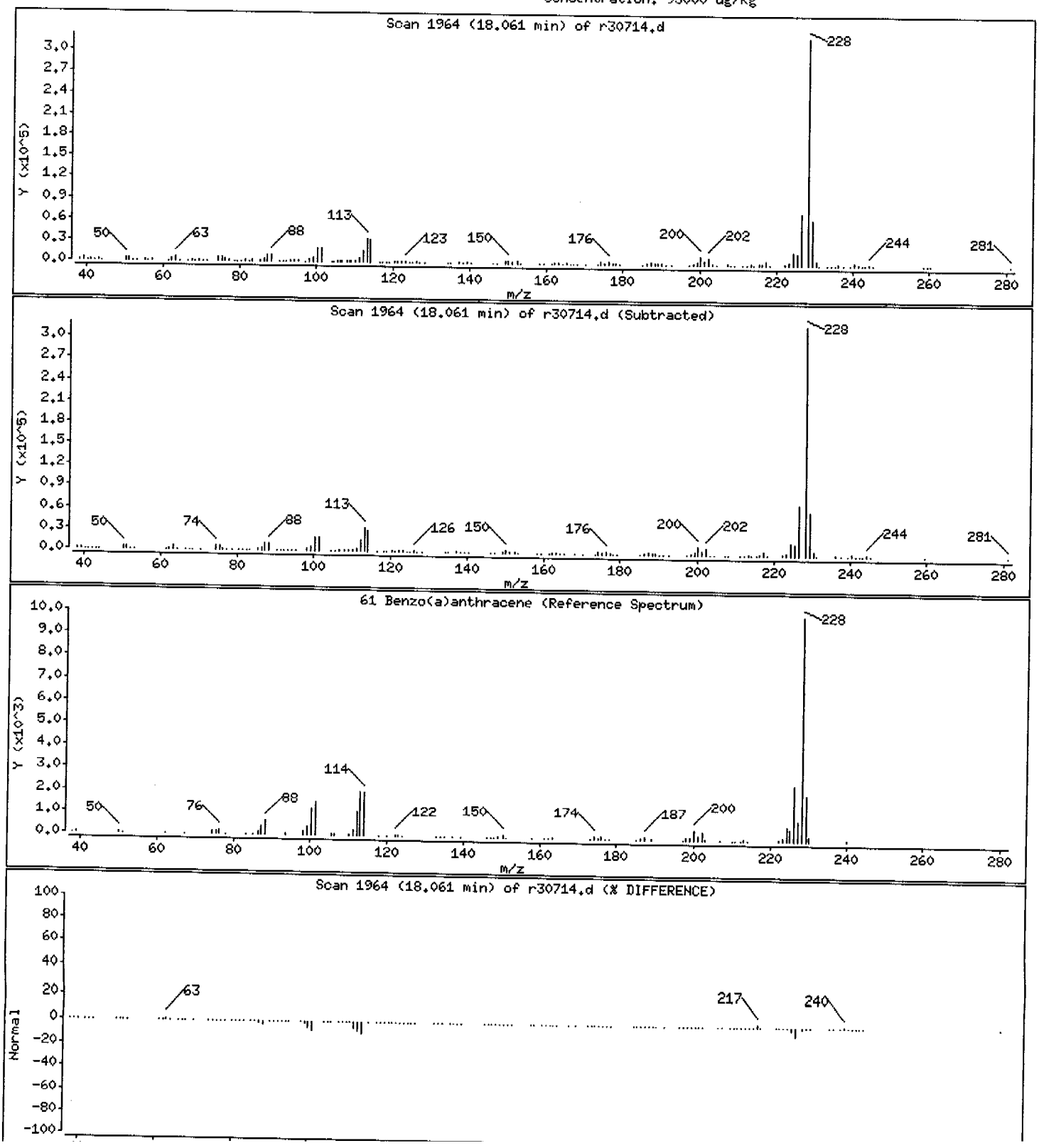
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 93000 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

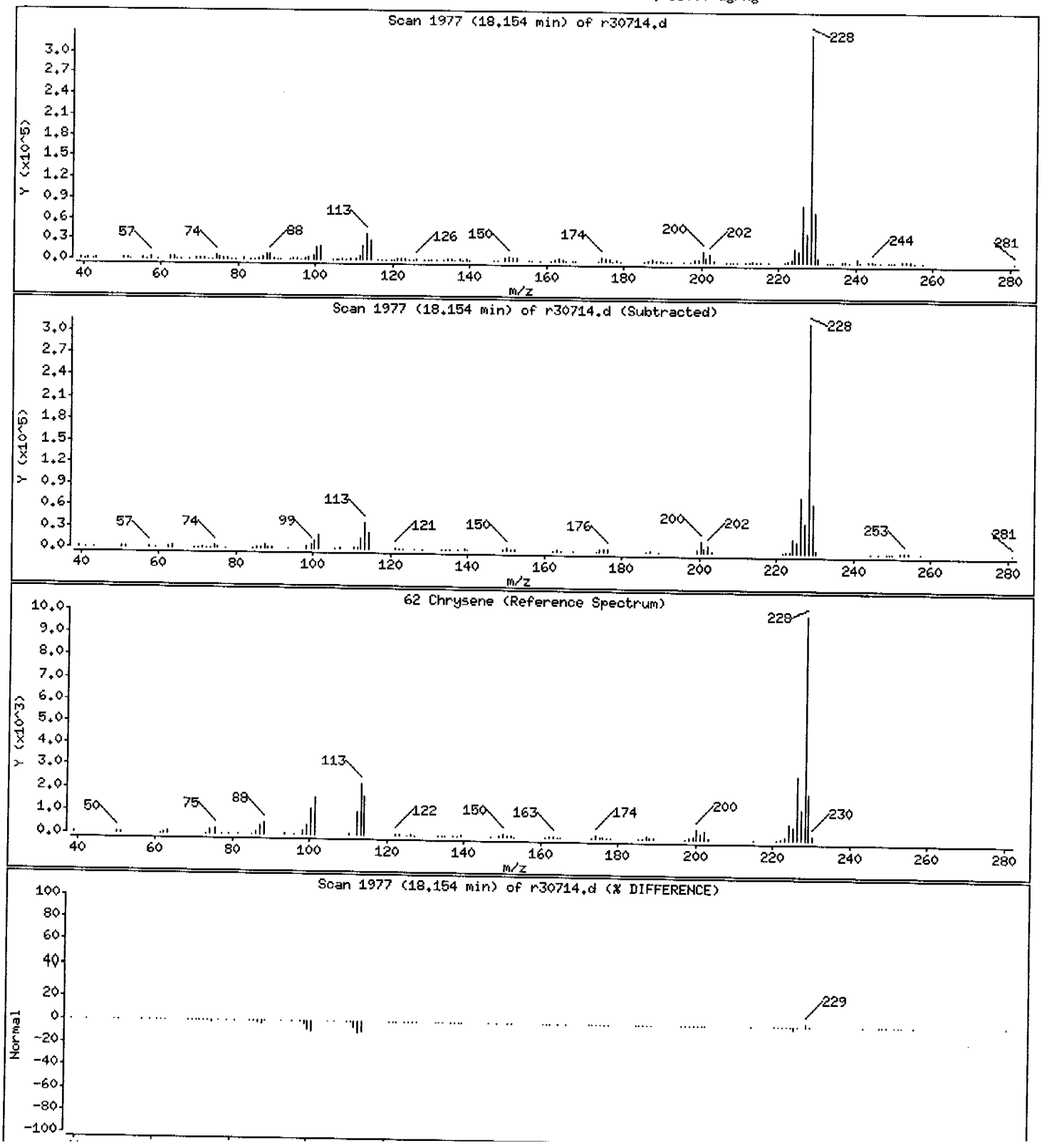
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

62 Chrysene

Concentration: 83000 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

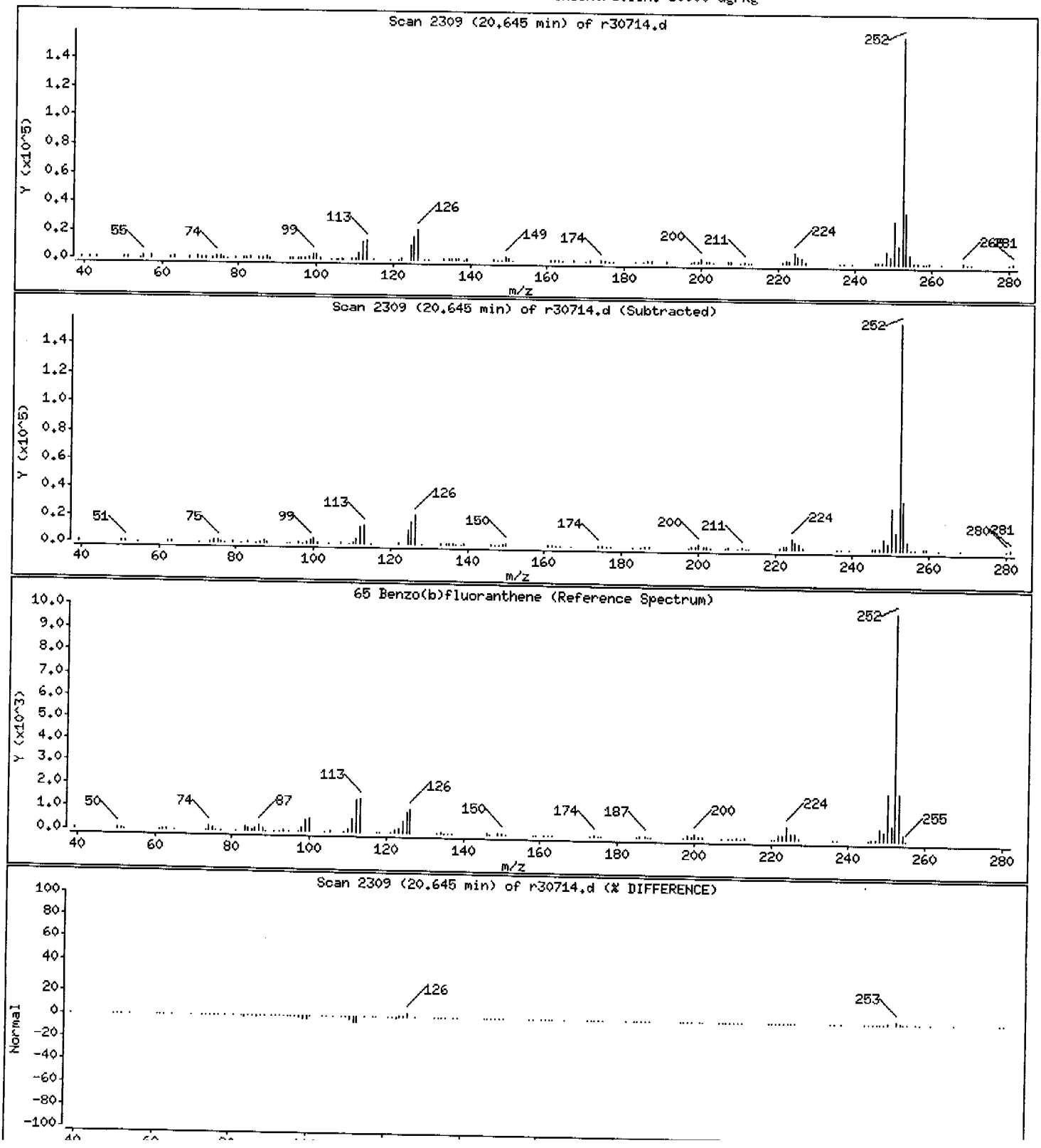
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 60000 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

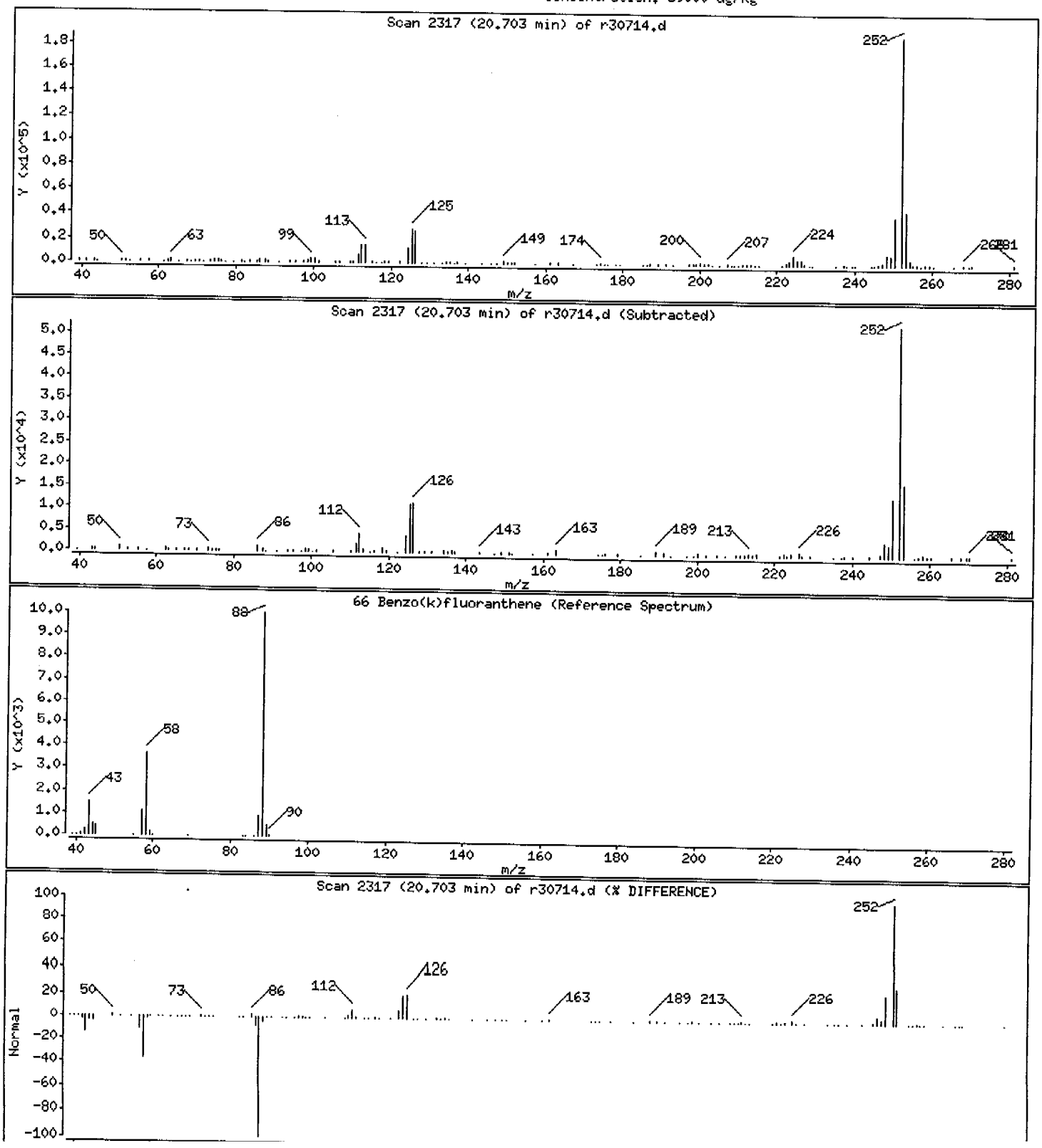
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

66 Benzo(k)fluoranthene

Concentration: 89000 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

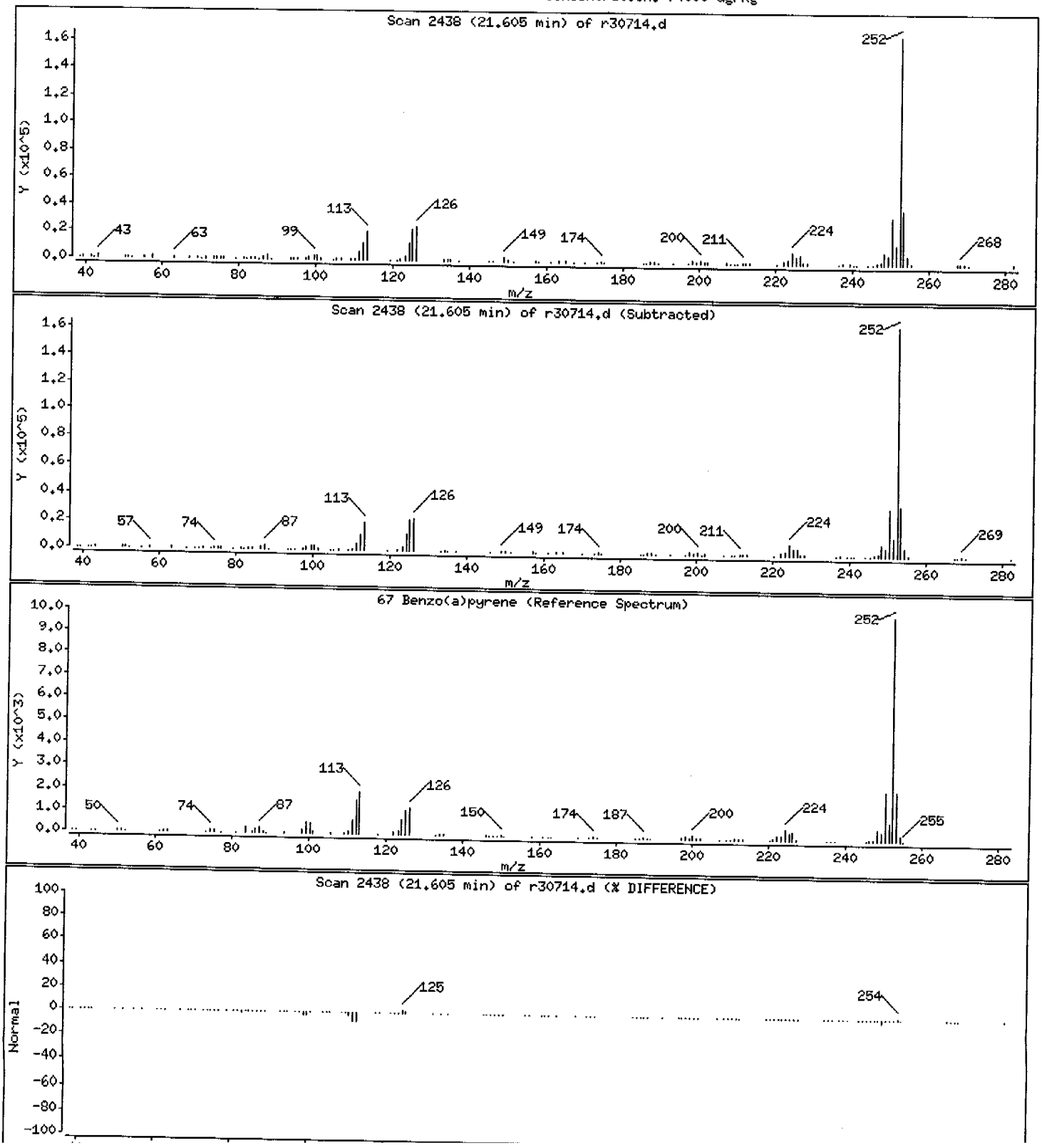
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 74000 ug/Kg



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

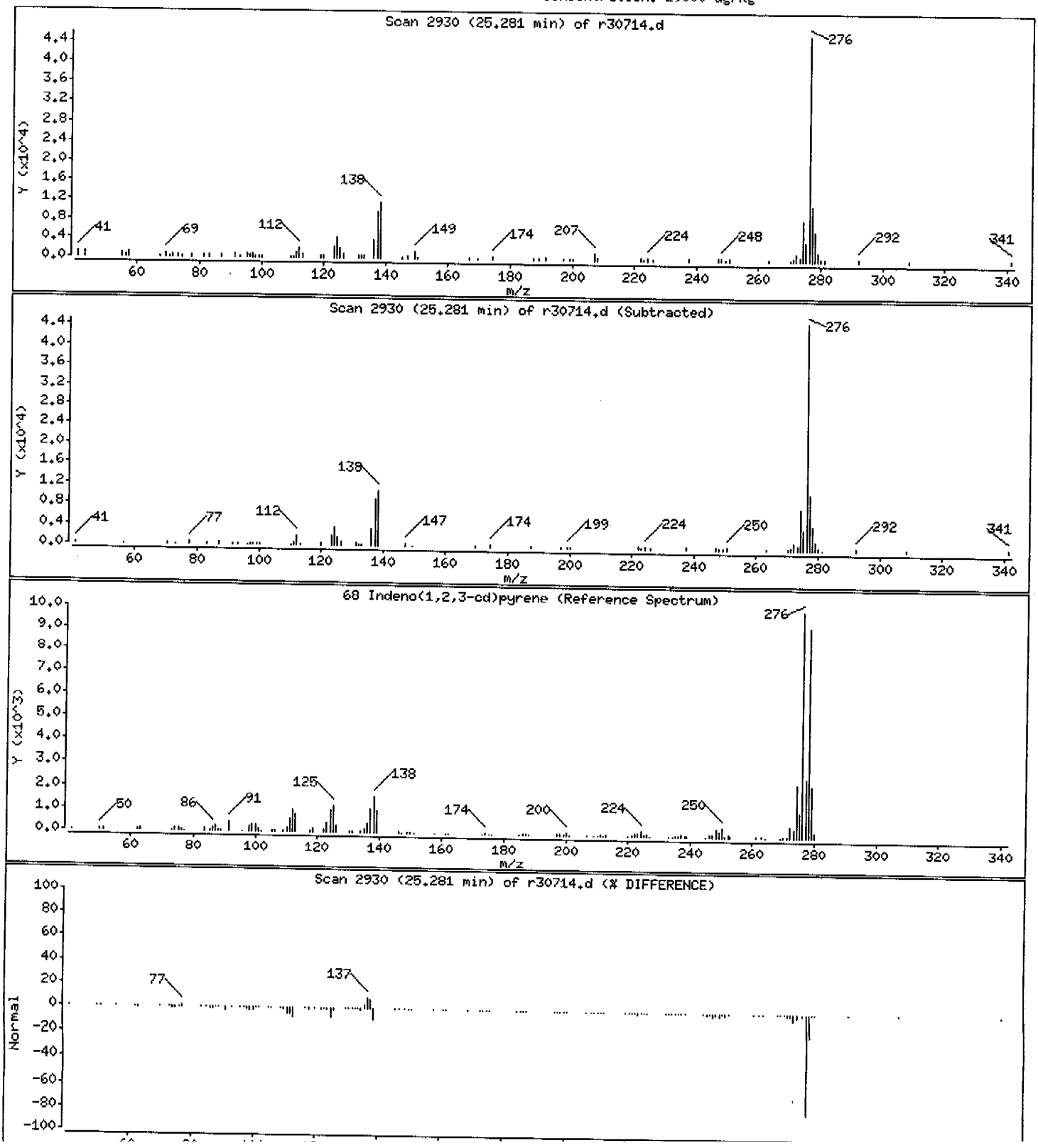
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene

Concentration: 29000 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

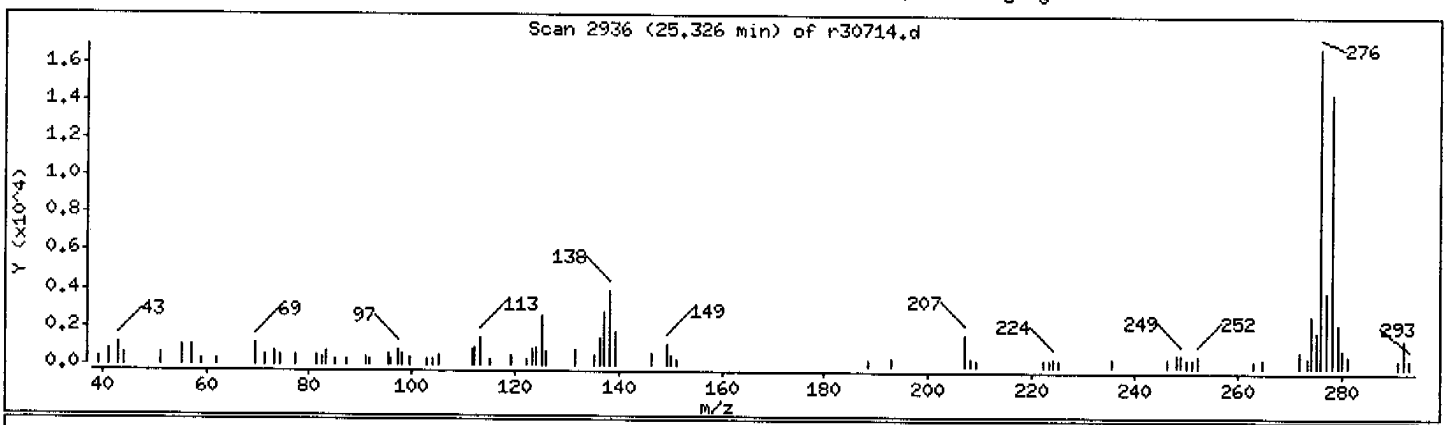
Client ID: B1408-SS01 Instrument: BNAMS1.i

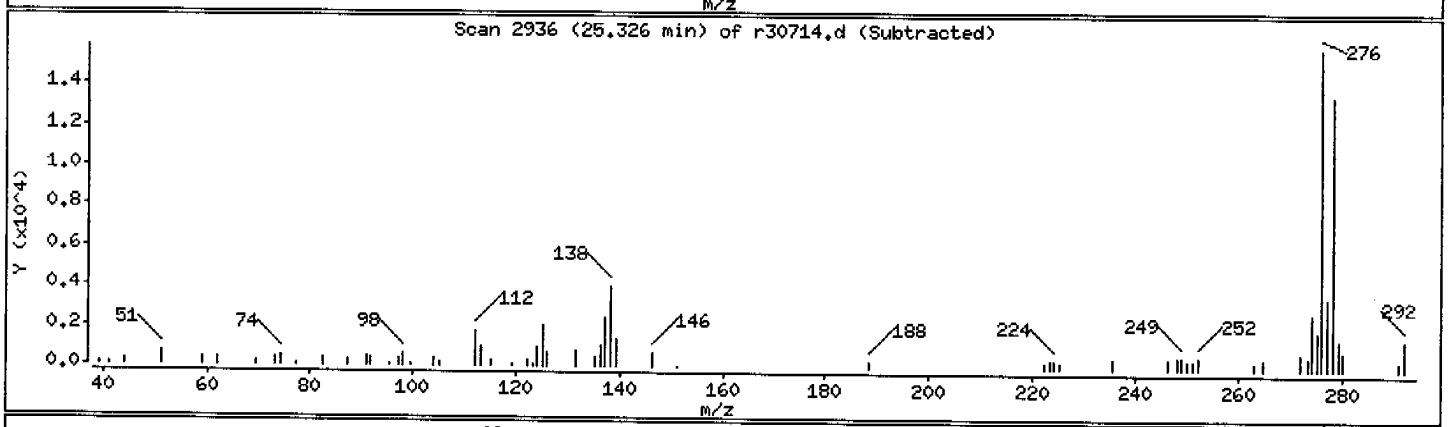
Sample Info: 775281;3281057

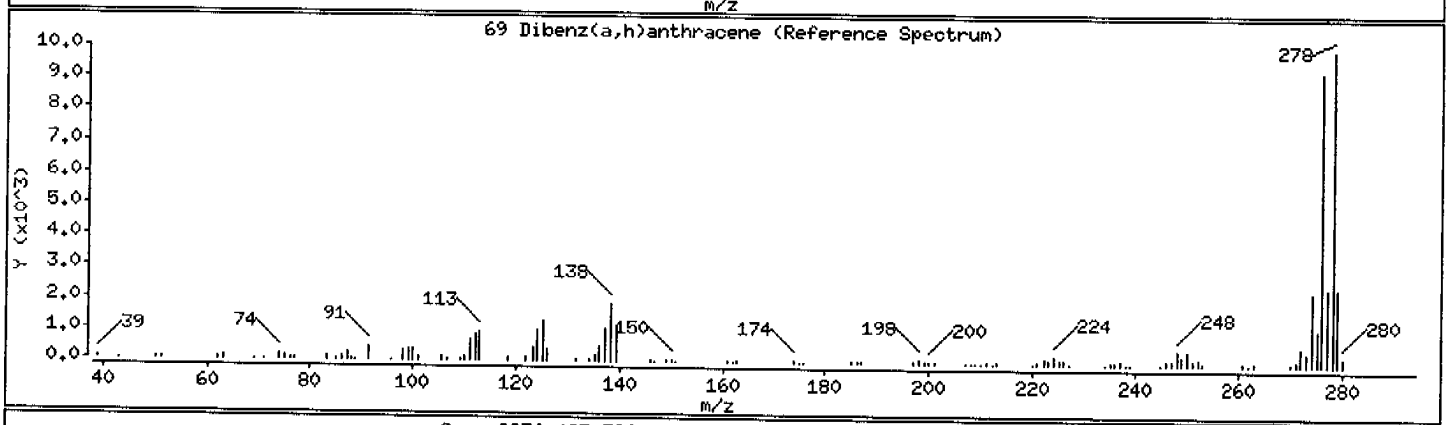
Operator: BNAMS 4

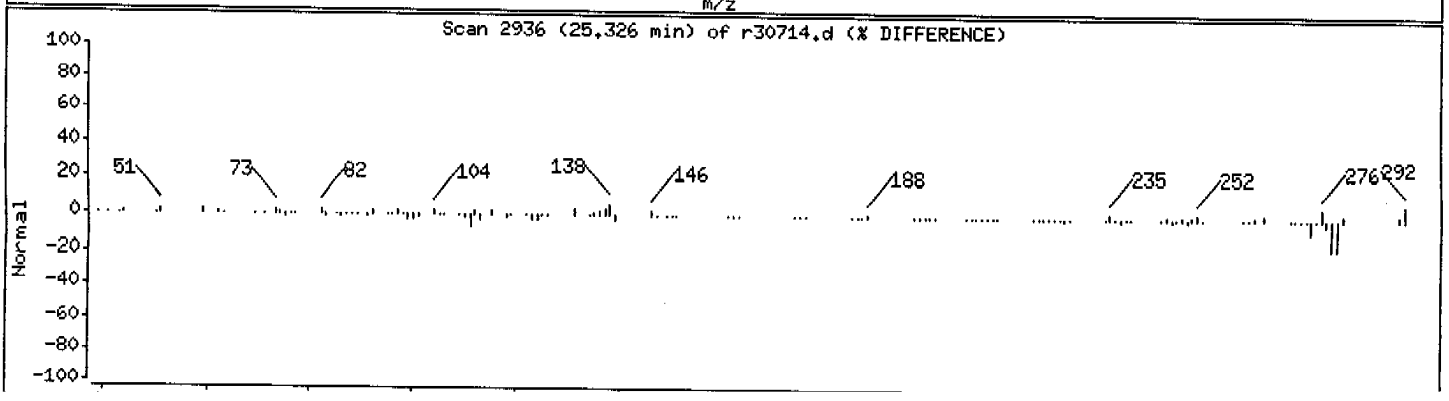
Column phase: DB-5 Column diameter: 0.25

69 Dibenz(a,h)anthracene Concentration: 13000 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30714.d

Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

Sample Info: 775281;3281057

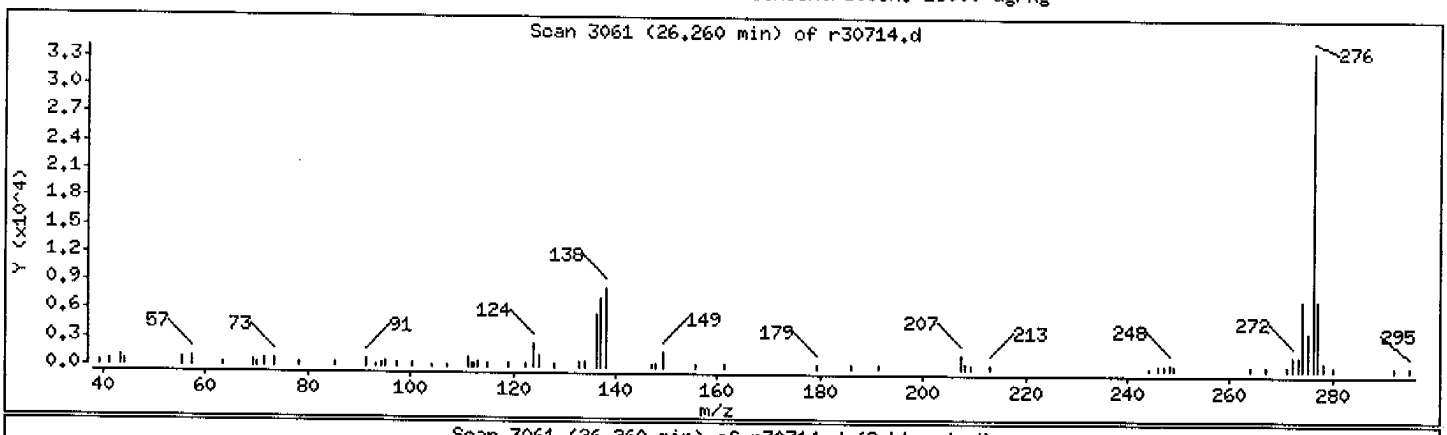
Operator: BNAMS 4

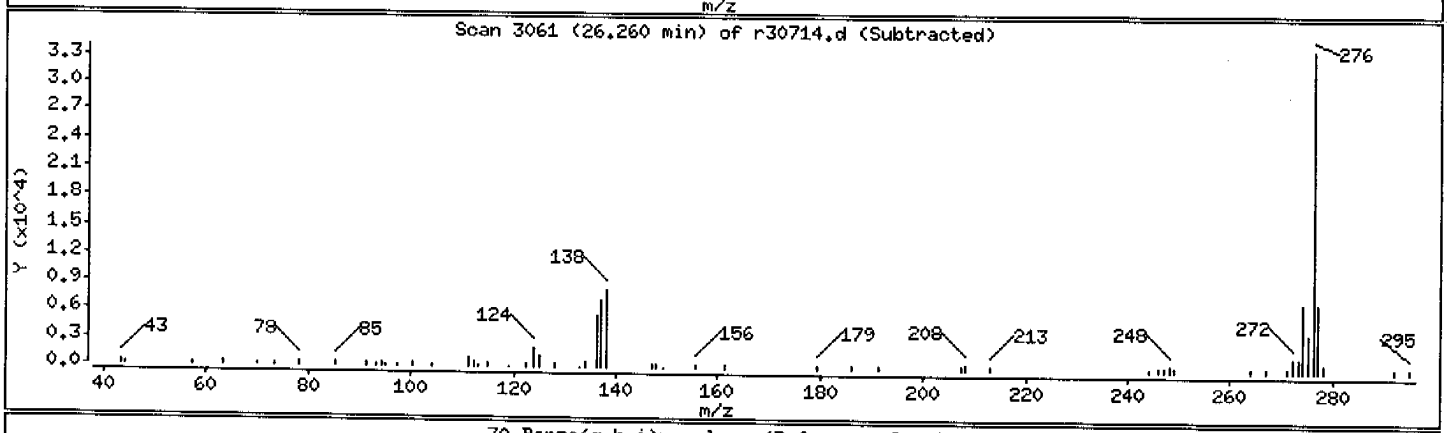
Column phase: DB-5

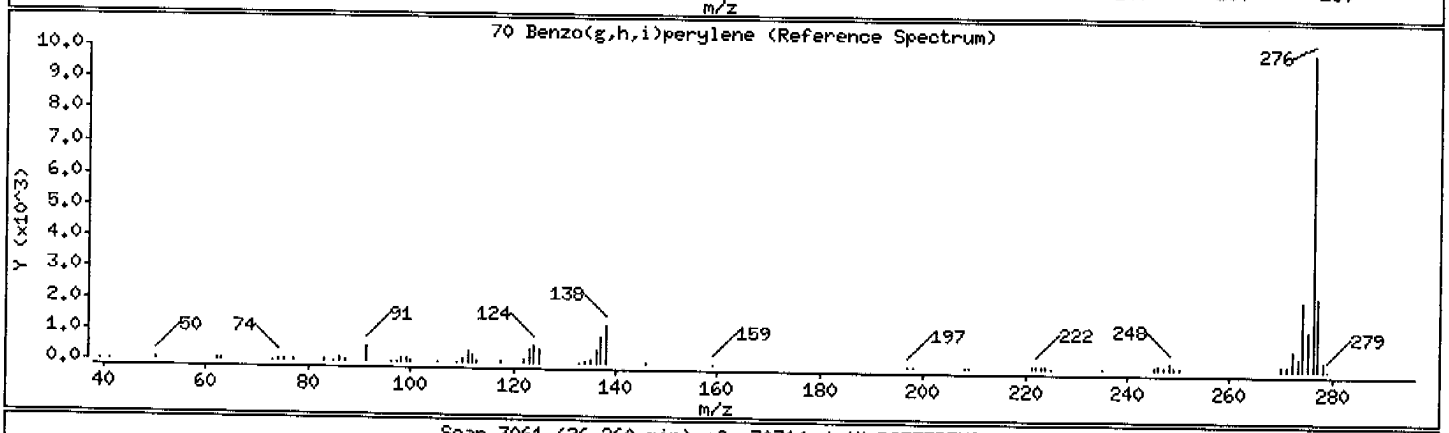
Column diameter: 0.25

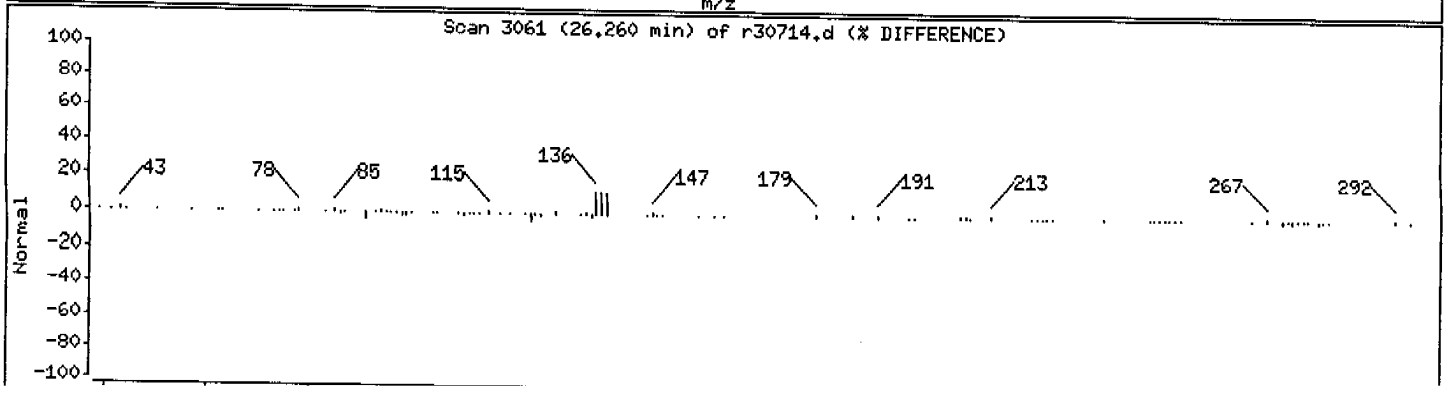
70 Benzo(g,h,i)perylene

Concentration: 26000 ug/Kg









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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

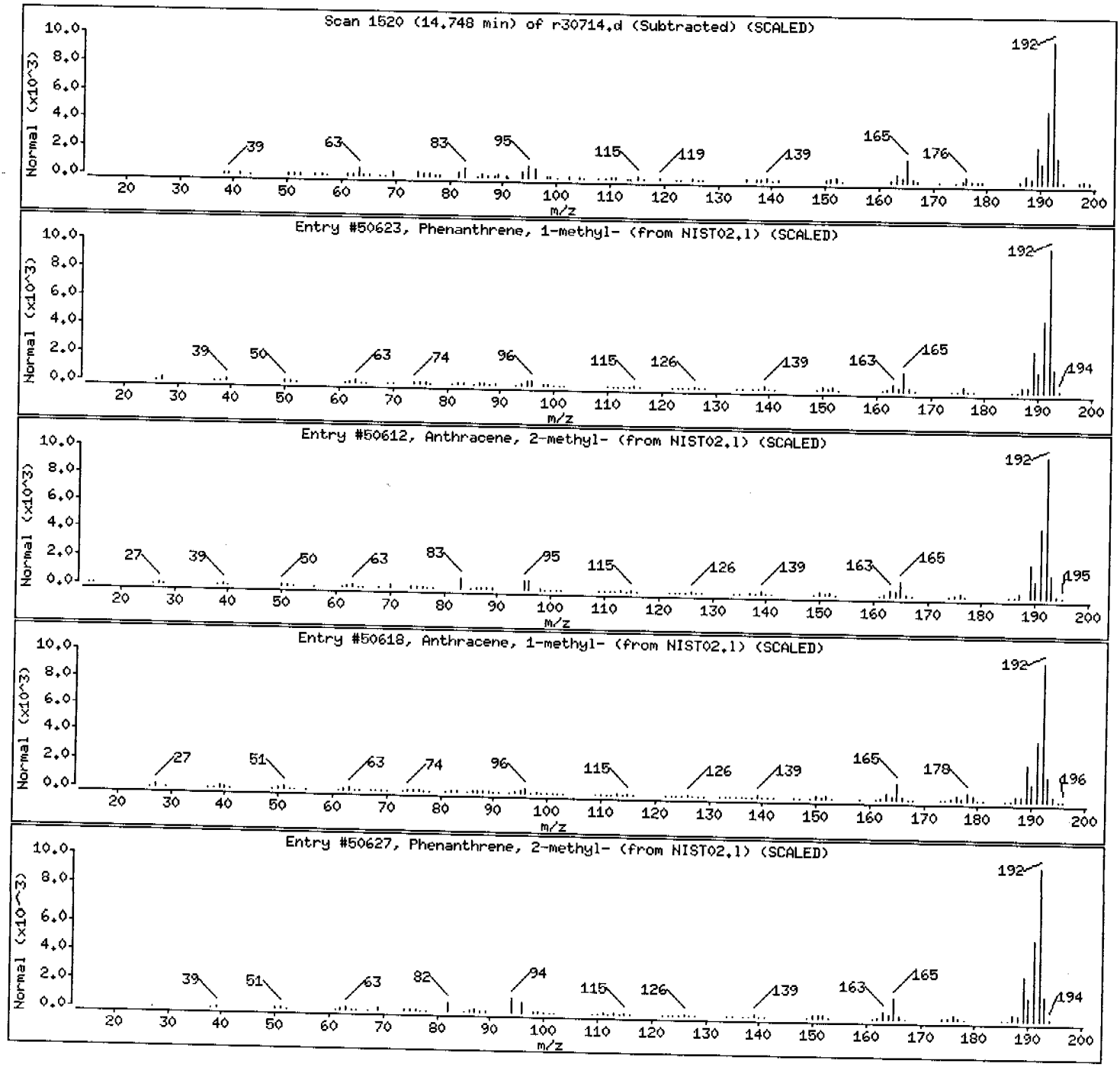
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Phenanthrene, 1-methyl-	832-69-9	NIST02.1	50623	96	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.1	50612	96	C15H12	192
Anthracene, 1-methyl-	610-48-0	NIST02.1	50618	95	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NIST02.1	50627	93	C15H12	192



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Date : 08-OCT-2006 13:25

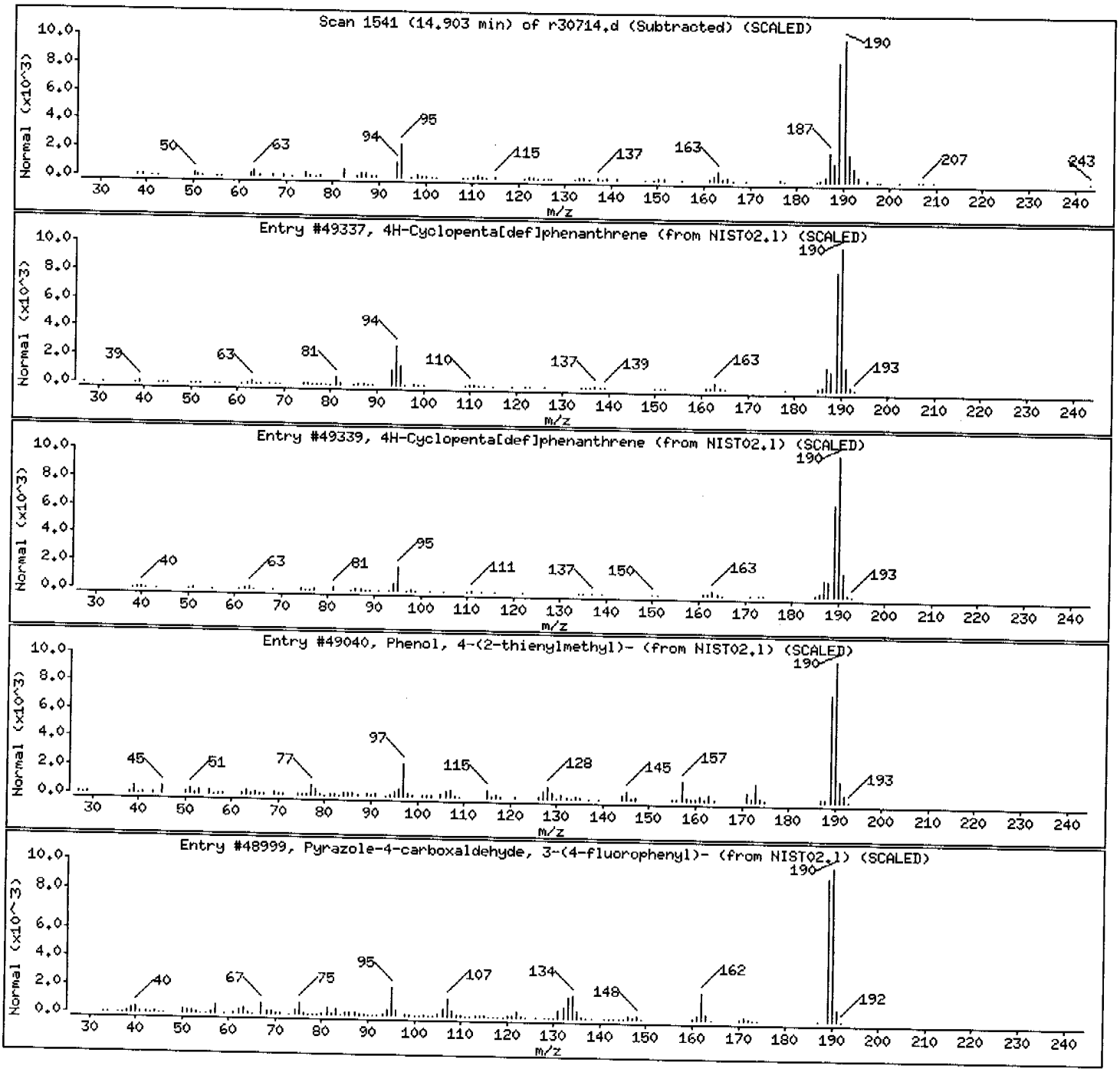
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H10 PAH						
4H-Cyclopenta[def]phenanthrene	203-64-5	NIST02.1	49337	93	C15H10	190
4H-Cyclopenta[def]phenanthrene	203-64-5	NIST02.1	49339	90	C15H10	190
Phenol, 4-(2-thienylmethyl)-	91680-55-6	NIST02.1	49040	64	C11H10OS	190
Pyrazole-4-carboxaldehyde, 3-(4-fluoroph	306936-57-2	NIST02.1	48999	53	C10H7FN2O	190



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

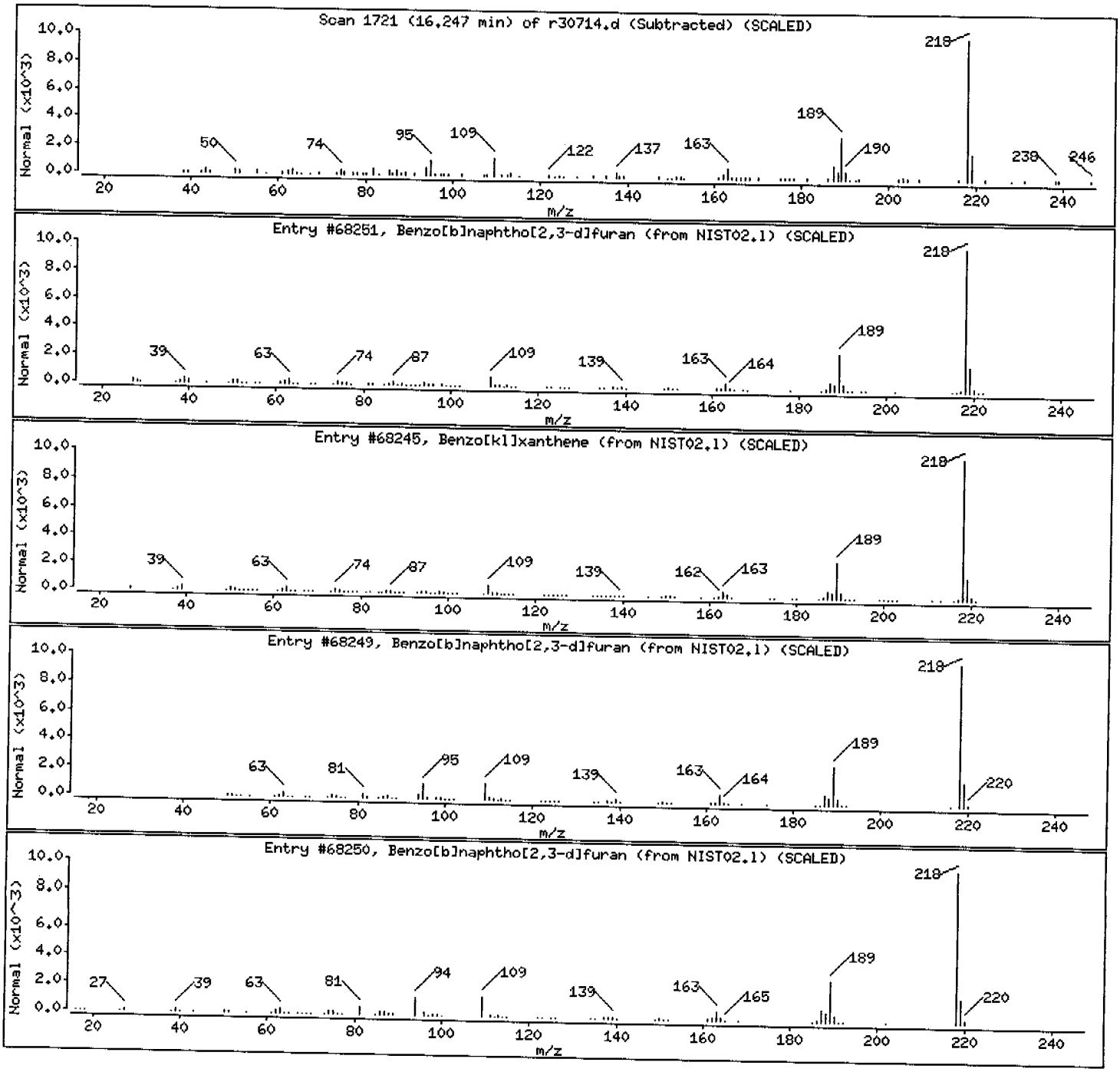
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C16H10O Ketone						
Benzo[b]naphtho[2,3-d]furan	243-42-5	NIST02.l	68251	94	C16H10O	218
Benzo[k]xanthene	200-23-7	NIST02.l	68245	94	C16H10O	218
Benzo[b]naphtho[2,3-d]furan	243-42-5	NIST02.l	68249	94	C16H10O	218
Benzo[b]naphtho[2,3-d]furan	243-42-5	NIST02.l	68250	91	C16H10O	218



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

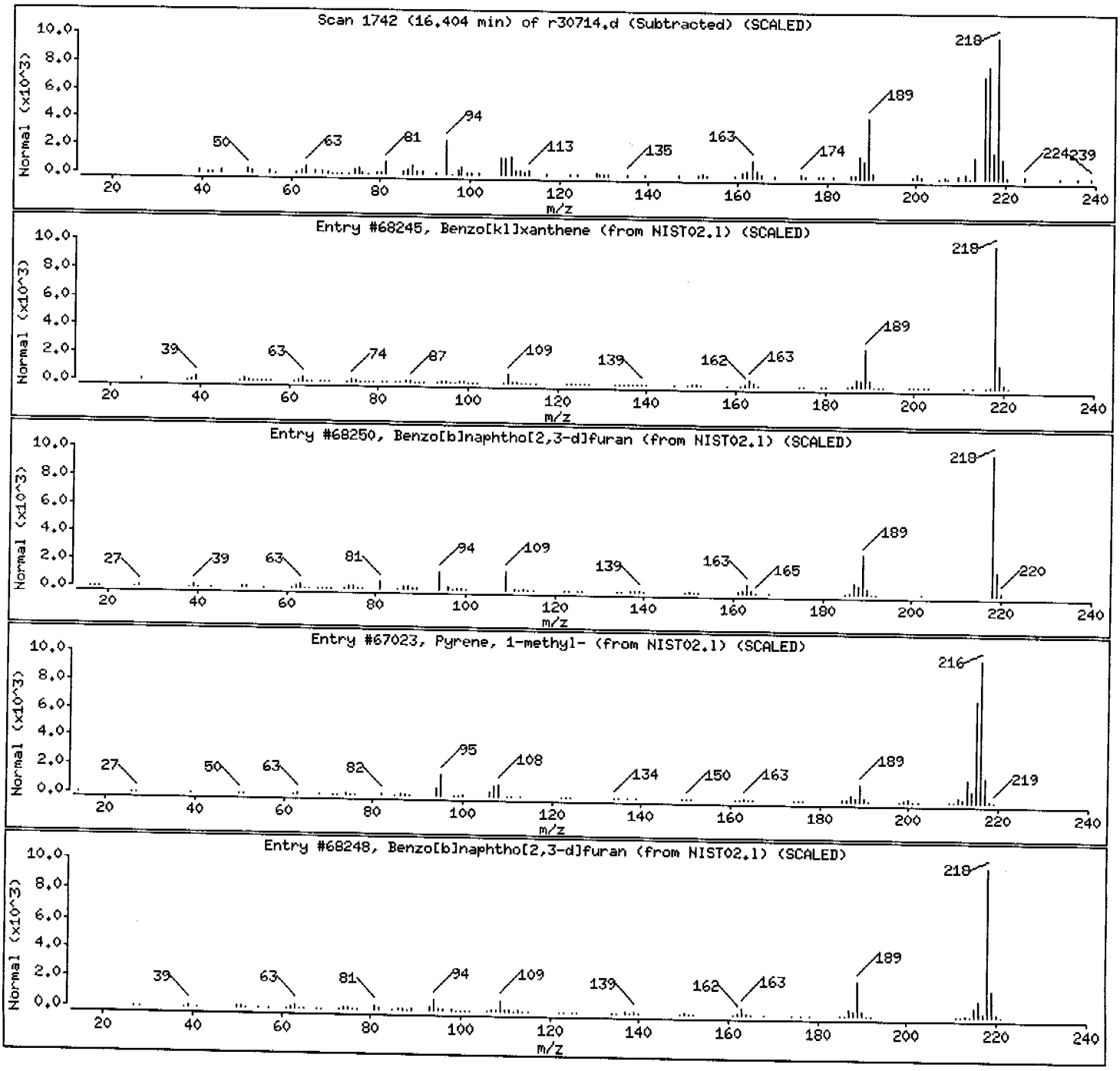
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C16H10O Ketone						
Benzo[kl]xanthene	200-23-7	NIST02.1	68245	50	C16H10O	218
Benzo[b]naphtho[2,3-d]furan	243-42-5	NIST02.1	68250	50	C16H10O	218
Pyrene, 1-methyl-	2381-21-7	NIST02.1	67023	50	C17H12	216
Benzo[b]naphtho[2,3-d]furan	243-42-5	NIST02.1	68248	49	C16H10O	218



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Date : 08-OCT-2006 13:25

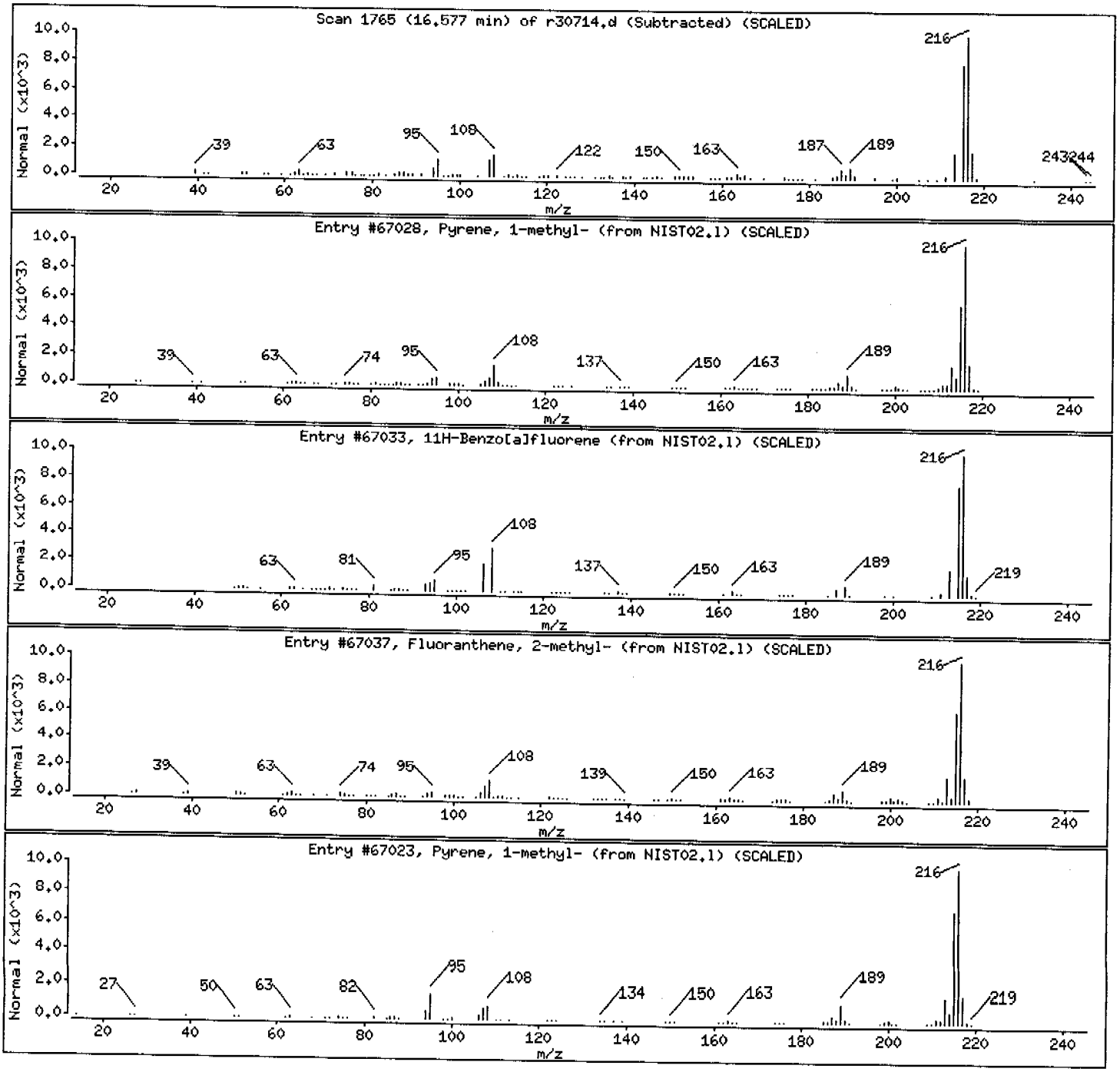
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67028	94	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67033	93	C17H12	216
Fluoranthene, 2-methyl-	33543-31-6	NIST02.l	67037	93	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	93	C17H12	216



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

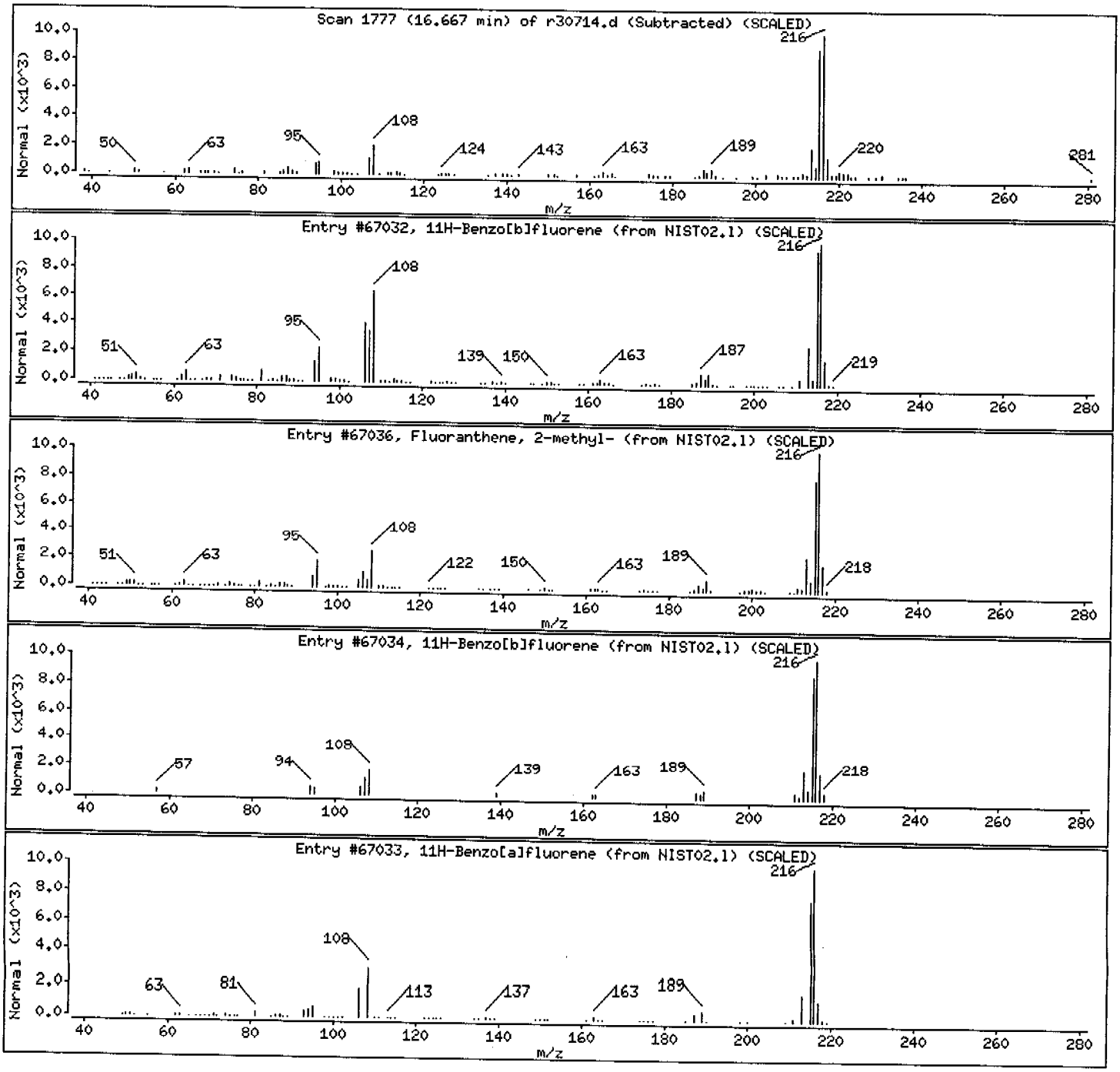
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
11H-Benzo[b]fluorene	243-17-4	NIST02.1	67032	93	C17H12	216
Fluoranthene, 2-methyl-	33543-31-6	NIST02.1	67036	91	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST02.1	67034	90	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST02.1	67033	90	C17H12	216



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

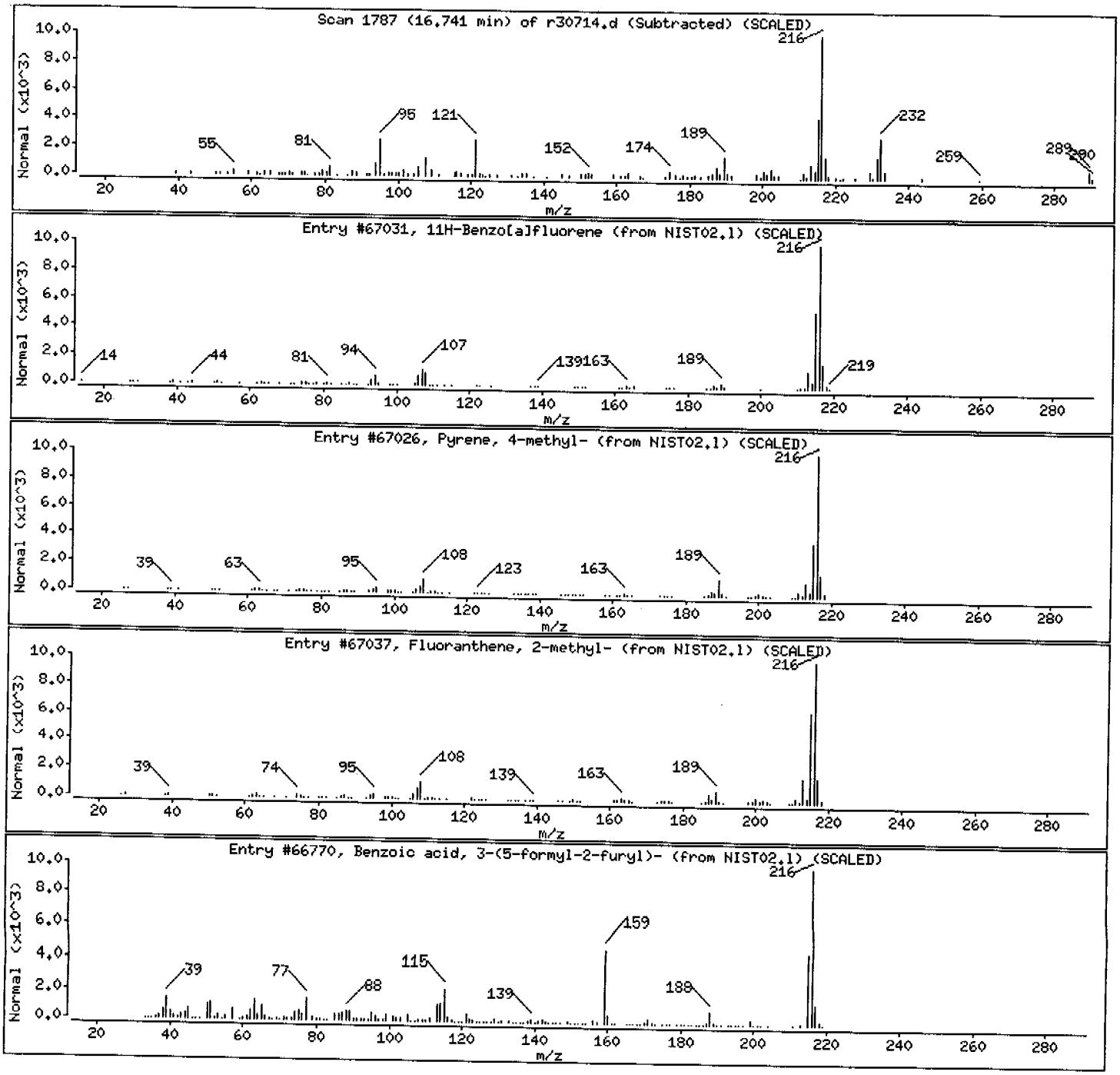
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
11H-Benzo[a]fluorene	238-84-6	NIST02.l	67031	70	C17H12	216
Pyrene, 4-methyl-	3353-12-6	NIST02.l	67026	70	C17H12	216
Fluoranthene, 2-methyl-	33543-31-6	NIST02.l	67037	58	C17H12	216
Benzoic acid, 3-(5-formyl-2-furyl)-	304884-54-6	NIST02.l	66770	50	C12H8O4	216



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Client ID: B1408-SS01

Instrument: BNAMS1.i

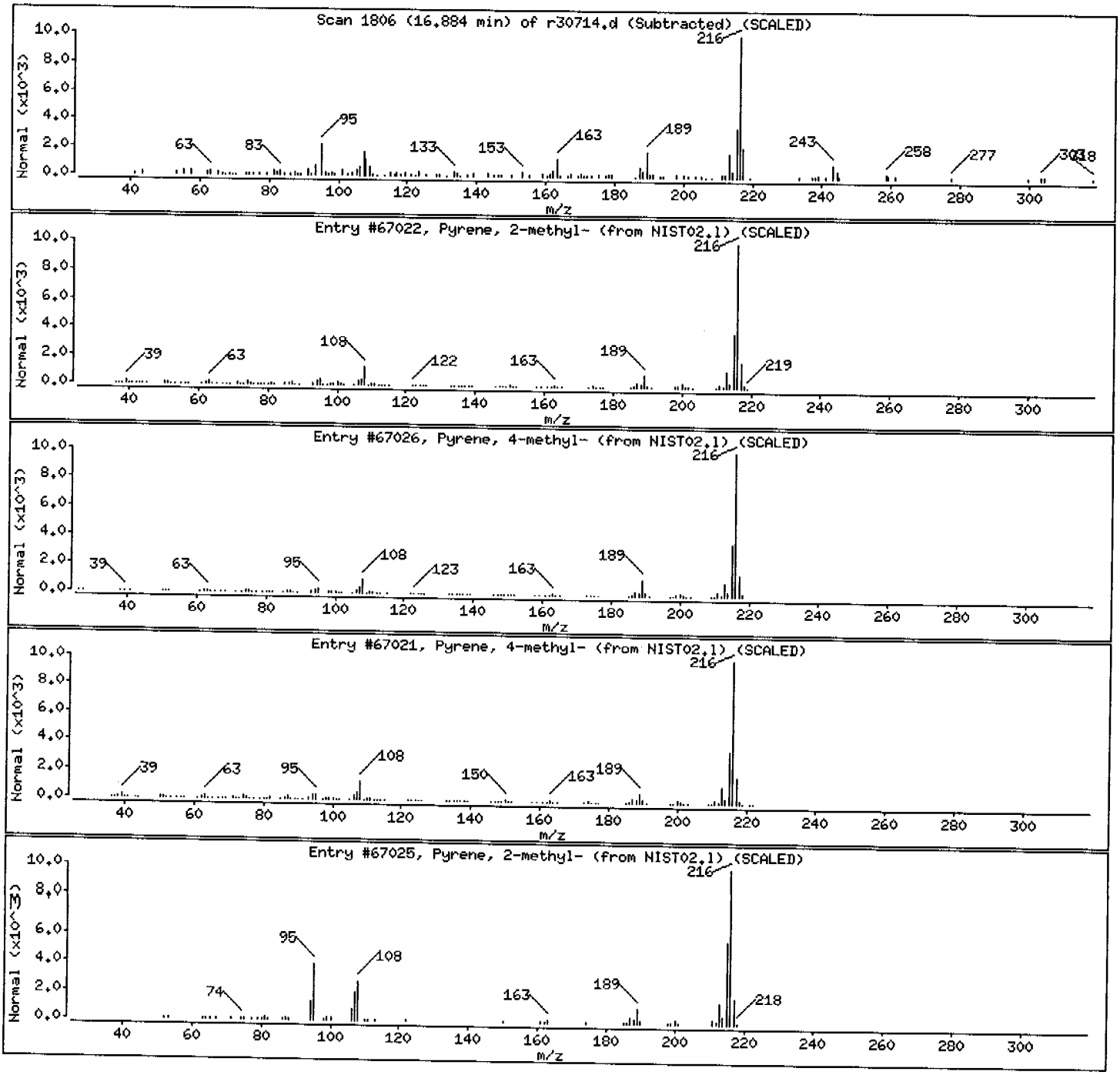
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 2-methyl-	3442-78-2	NIST02.l	67022	81	C17H12	216
Pyrene, 4-methyl-	3353-12-6	NIST02.l	67026	76	C17H12	216
Pyrene, 4-methyl-	3353-12-6	NIST02.l	67021	64	C17H12	216
Pyrene, 2-methyl-	3442-78-2	NIST02.l	67025	59	C17H12	216



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Date : 08-OCT-2006 13:25

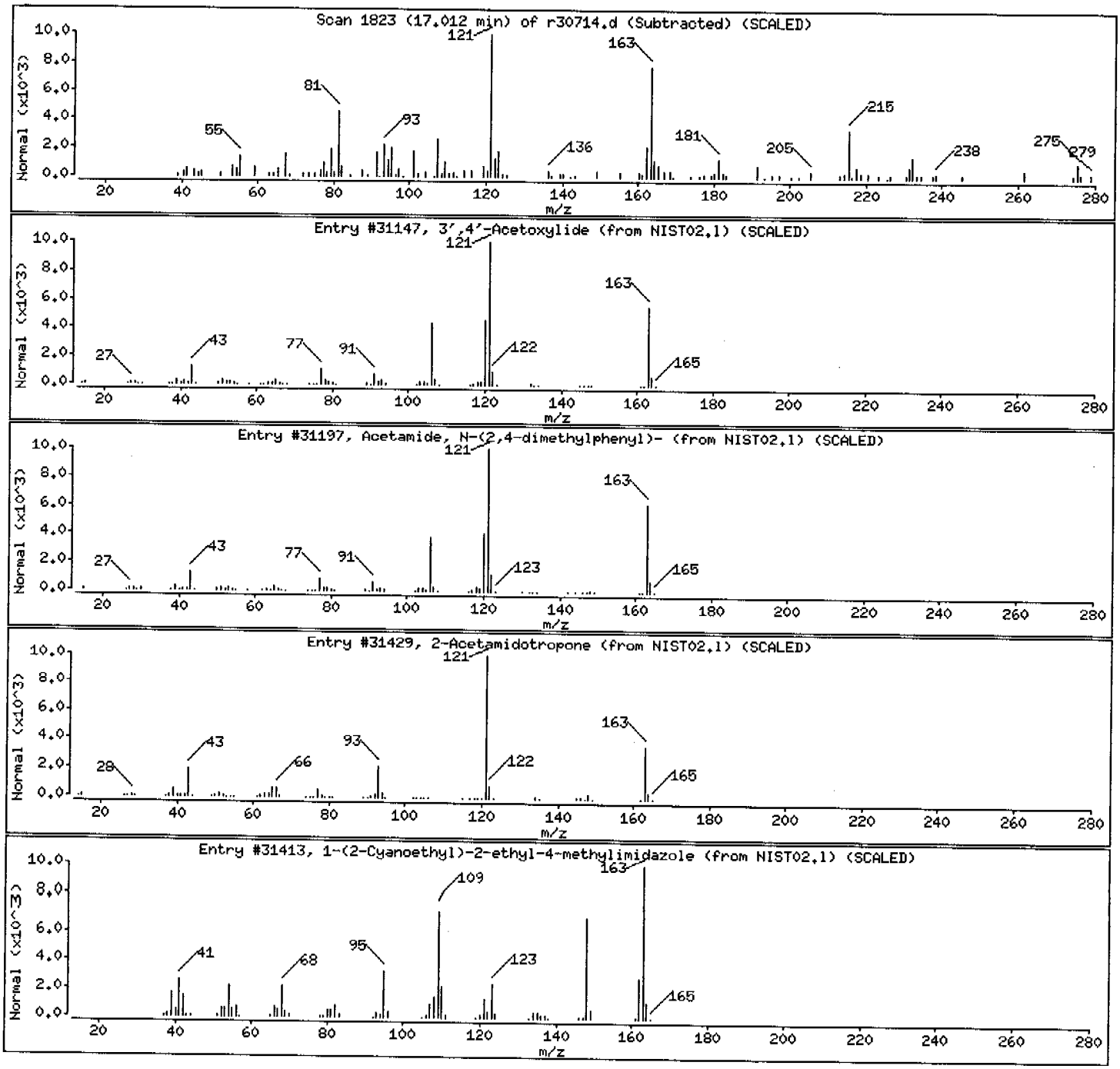
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3',4'-Acetoxylide	2198-54-1	NIST02.l	31147	49	C10H13NO	163
Acetamide, N-(2,4-dimethylphenyl)-	2050-43-3	NIST02.l	31197	47	C10H13NO	163
2-Acetamidotropone	6422-12-4	NIST02.l	31429	47	C9H9NO2	163
1-(2-Cyanoethyl)-2-ethyl-4-methylimidazo	23996-25-0	NIST02.l	31413	38	C9H13N3	163



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Date : 08-OCT-2006 13:25

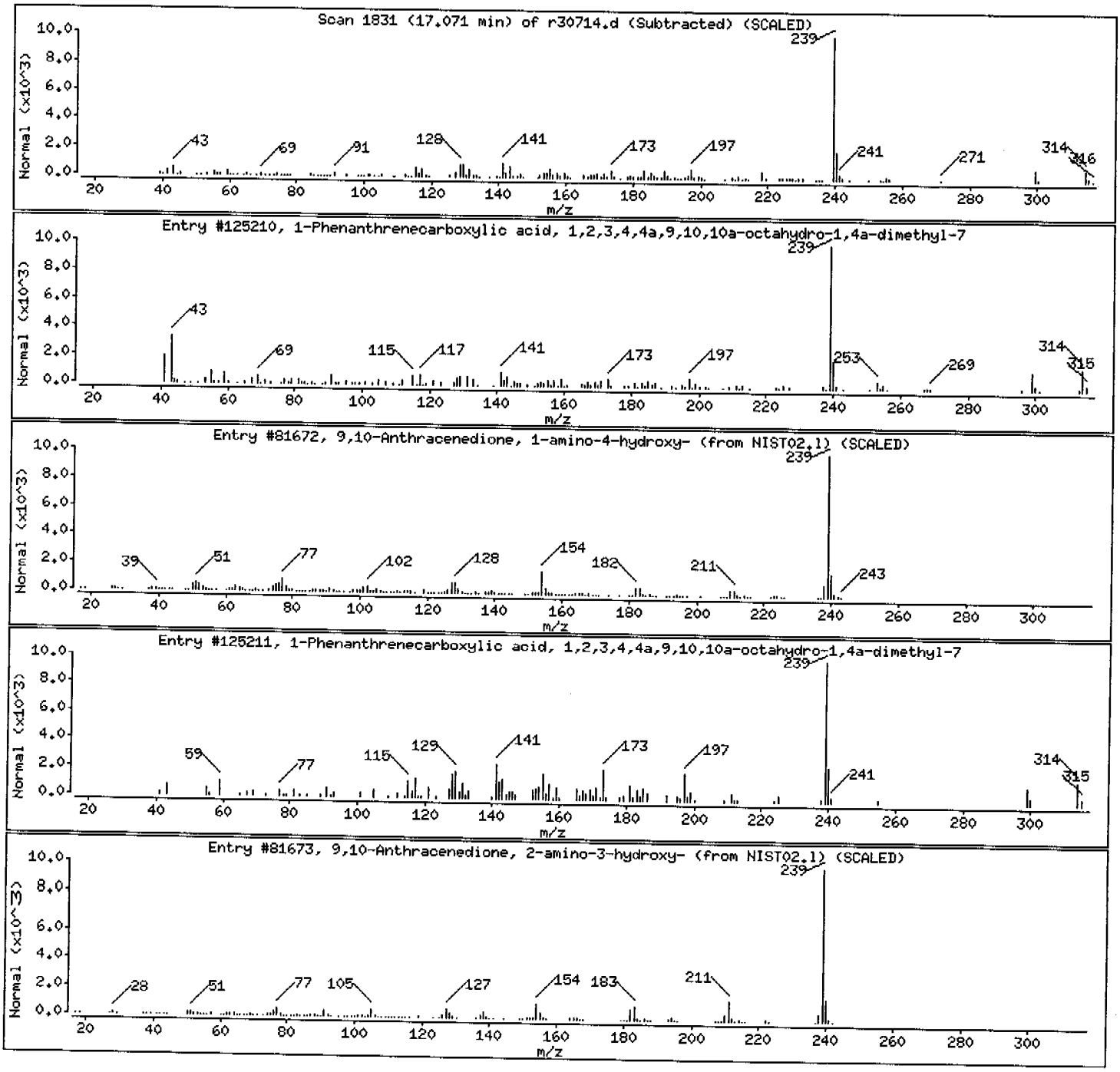
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1235-74-1	NIST02.l	125210	78	C21H3002	314
9,10-Anthracenedione, 1-amino-4-hydroxy-	116-85-8	NIST02.l	81672	58	C14H9N03	239
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1235-74-1	NIST02.l	125211	55	C21H3002	314
9,10-Anthracenedione, 2-amino-3-hydroxy-	117-77-1	NIST02.l	81673	53	C14H9N03	239



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

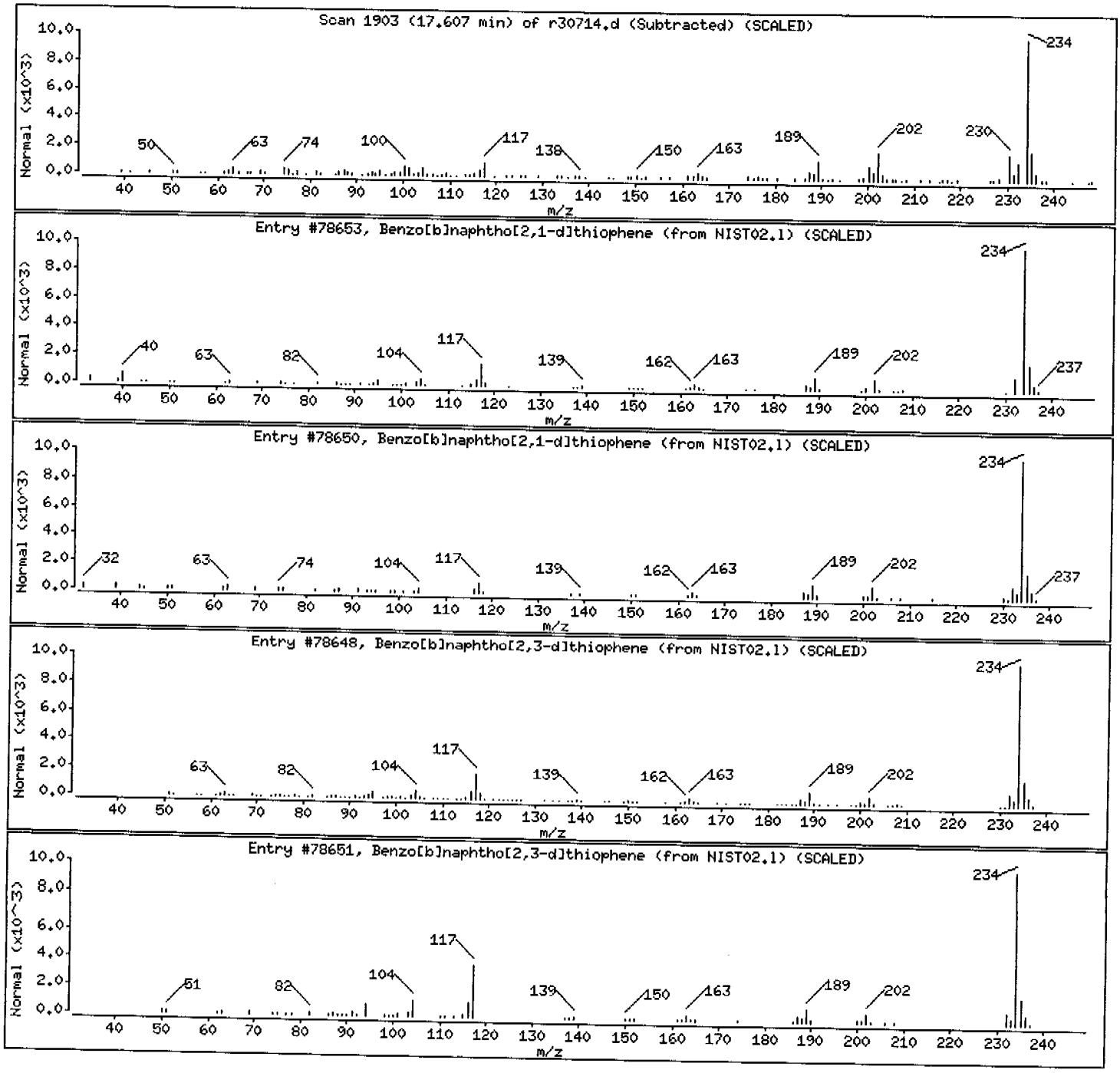
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzo(b)naphthothiophene isomer						
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST02.l	78653	89	C16H10S	234
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST02.l	78650	81	C16H10S	234
Benzo[b]naphtho[2,3-d]thiophene	243-46-9	NIST02.l	78648	76	C16H10S	234
Benzo[b]naphtho[2,3-d]thiophene	243-46-9	NIST02.l	78651	76	C16H10S	234



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Date : 08-OCT-2006 13:25

Client ID: B1408-SS01

Instrument: BNAMS1.i

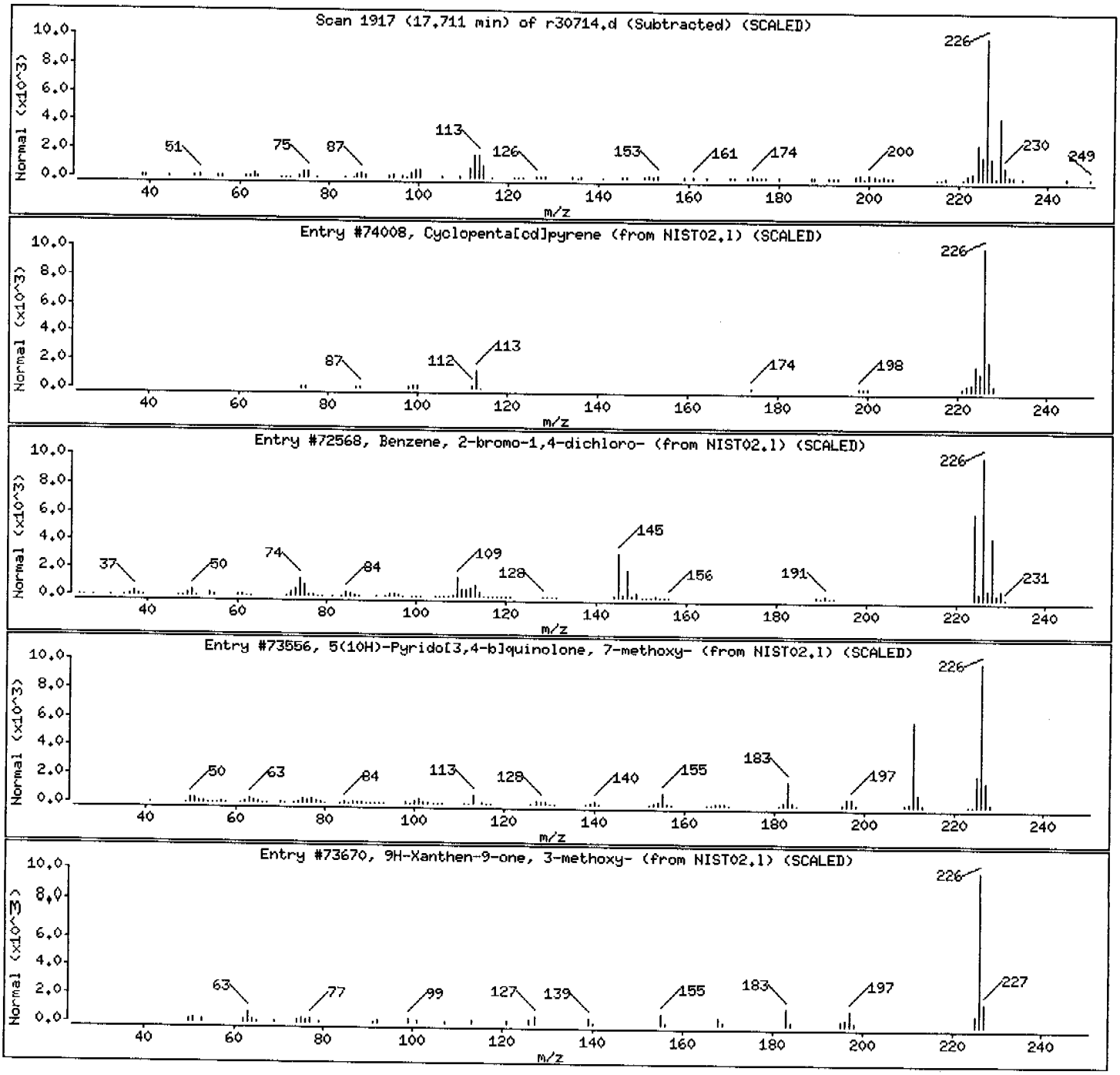
Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C18H10 PAH						
Cyclopenta[cd]pyrene	27208-37-3	NIST02.l	74008	46	C18H10	226
Benzene, 2-bromo-1,4-dichloro-	1435-50-3	NIST02.l	72568	28	C6H3BrCl2	224
5(10H)-Pyrido[3,4-b]quinolone, 7-methoxy	1000256-99-5	NIST02.l	73556	25	C13H10N2O2	226
9H-Xanthen-9-one, 3-methoxy-	3722-52-9	NIST02.l	73670	23	C14H10O3	226



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Date : 08-OCT-2006 13:25

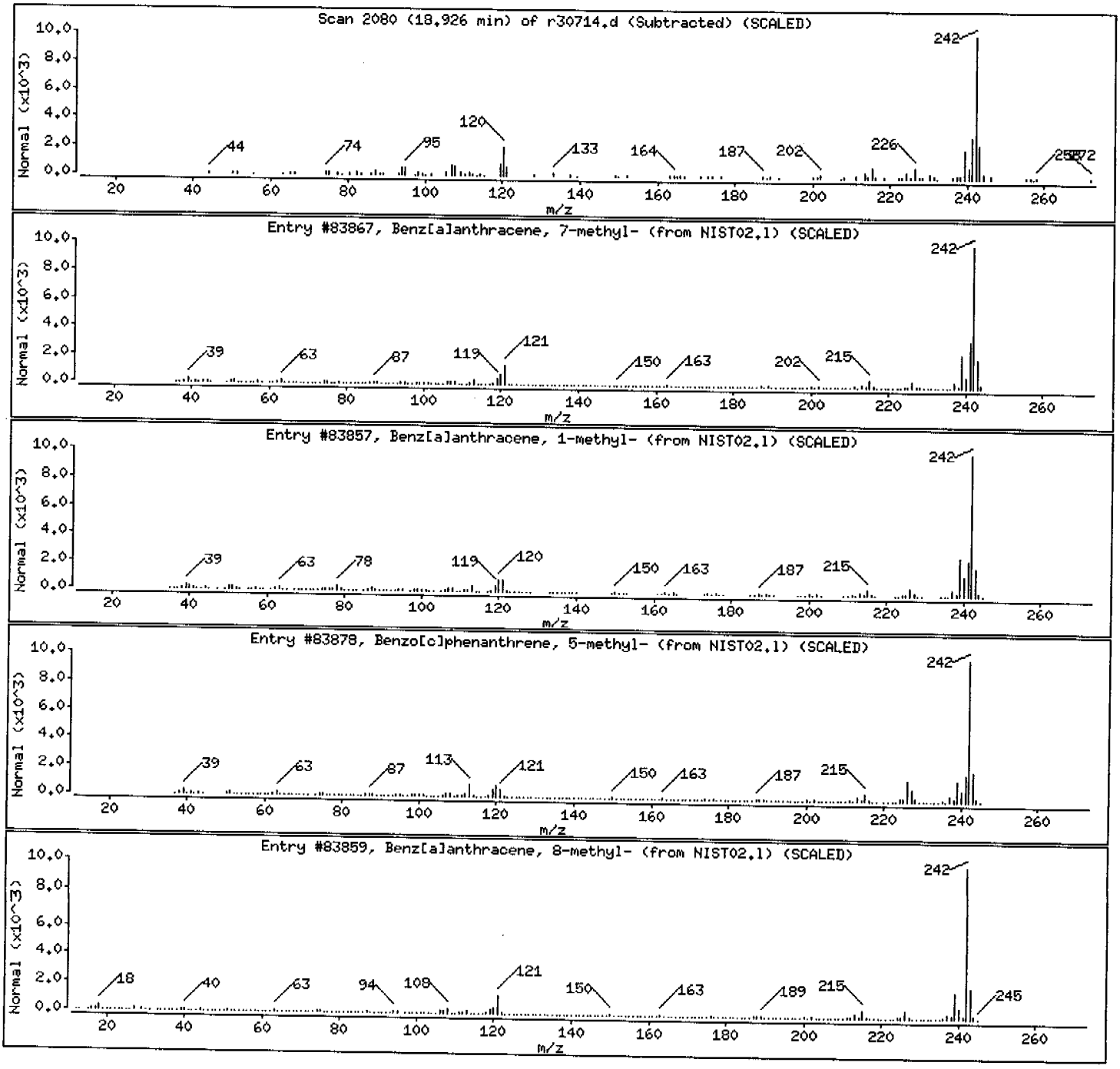
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C19H14 PAH						
Benz[a]anthracene, 7-methyl-	2541-69-7	NIST02.l	83867	93	C19H14	242
Benz[a]anthracene, 1-methyl-	2498-77-3	NIST02.l	83857	92	C19H14	242
Benzo[c]phenanthrene, 5-methyl-	652-04-0	NIST02.l	83878	89	C19H14	242
Benz[a]anthracene, 8-methyl-	2381-31-9	NIST02.l	83859	83	C19H14	242



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Date : 08-OCT-2006 13:25

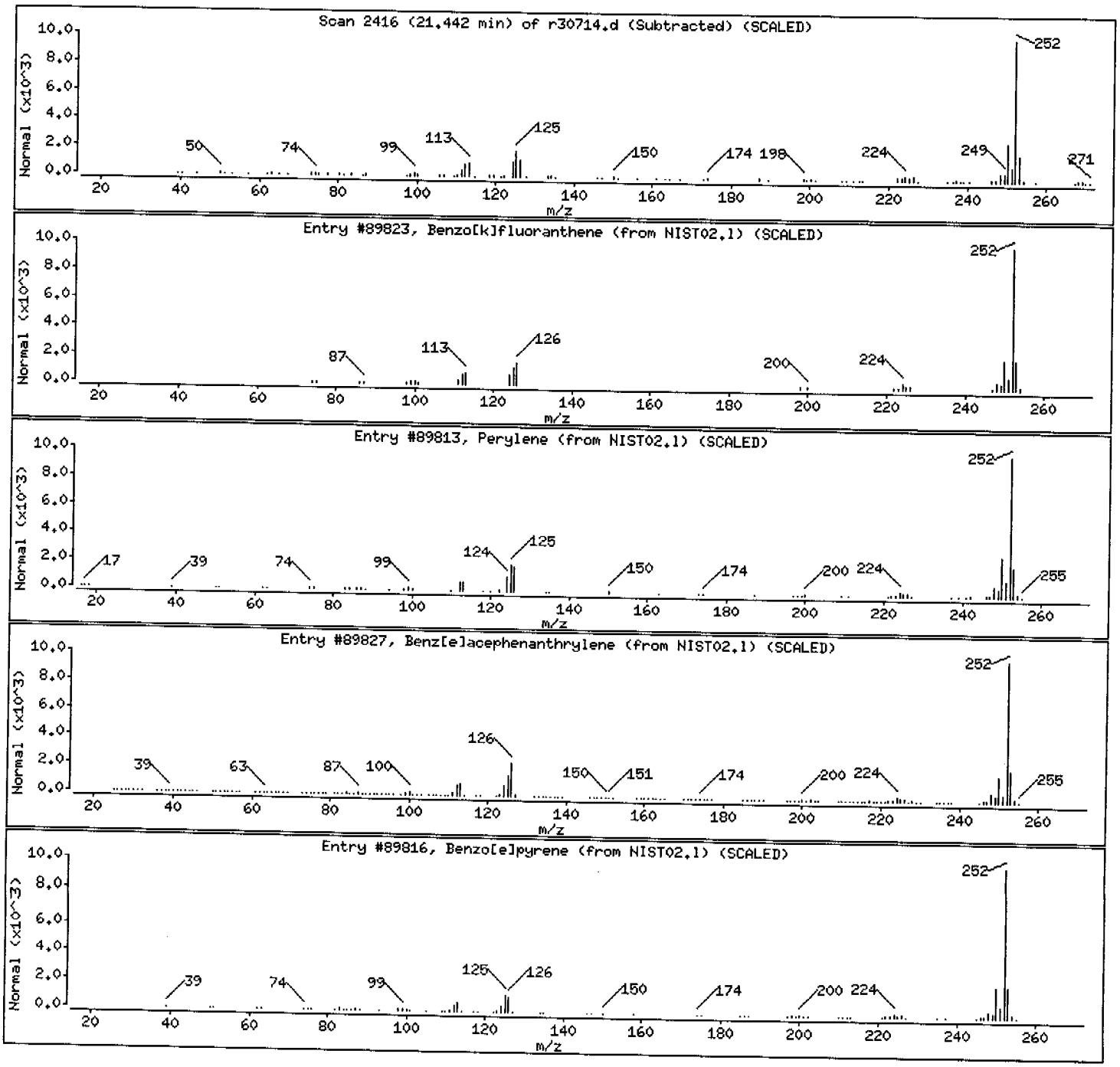
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[k]fluoranthene	207-08-9	NIST02.l	89823	94	C20H12	252
Perylene	198-55-0	NIST02.l	89813	90	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89827	89	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	89	C20H12	252



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Date : 08-OCT-2006 13:25

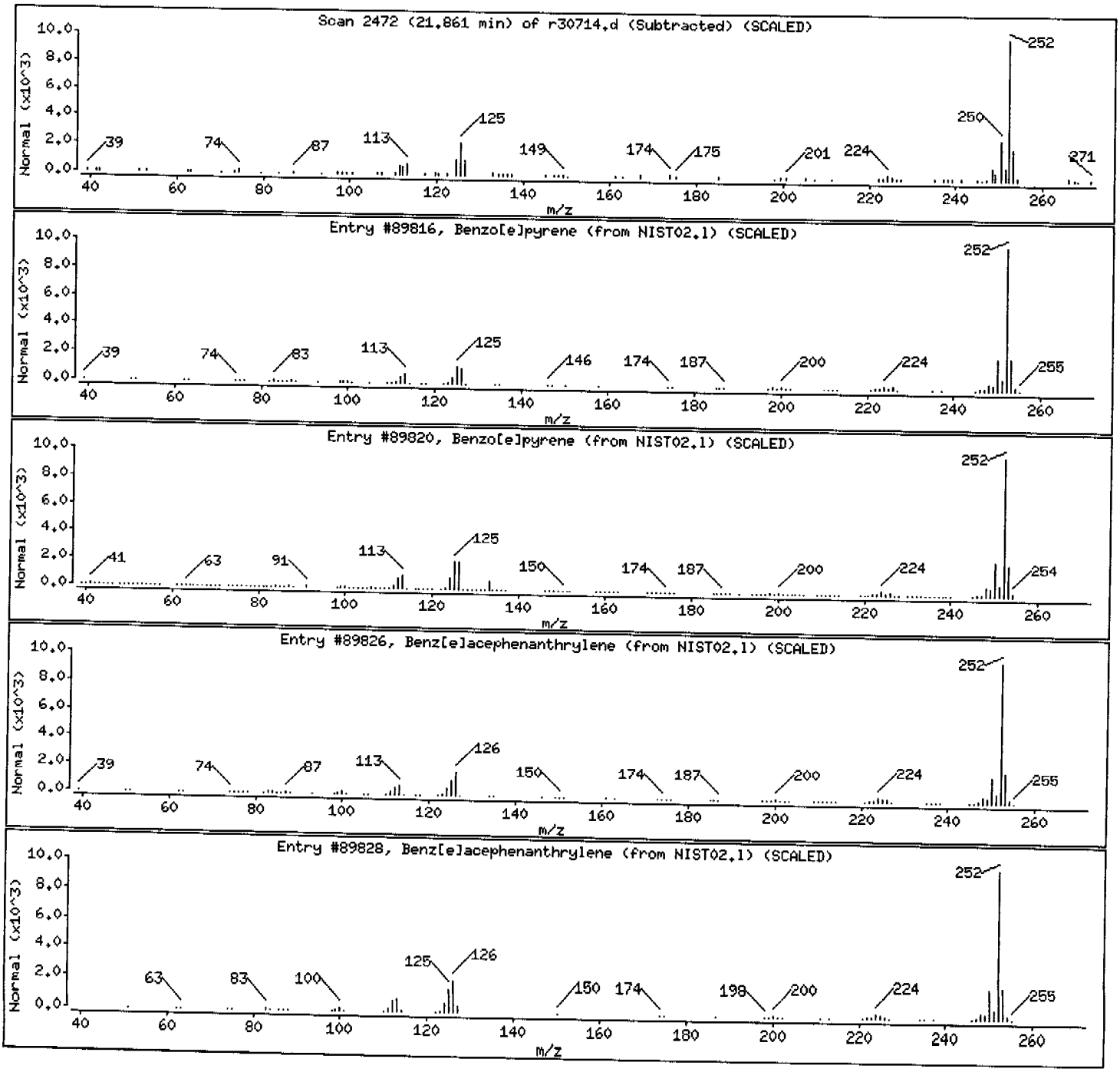
Client ID: B1408-SS01 Instrument: BNAMS1.i

Sample Info: 775281;3281057

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[e]pyrene	192-97-2	NIST02.l	89816	95	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89820	92	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89826	89	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89828	89	C20H12	252



Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample No: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30690.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	31 J	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	79
2-Methylnaphthalene	12 J	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	790
Dimethylphthalate	ND	400
Acenaphthylene	20 J	400
2,6-Dinitrotoluene	ND	79
3-Nitroaniline	ND	790
Acenaphthene	11 J	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	79
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	ND	400
4-Nitroaniline	ND	790
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	110 J	400
Anthracene	24 J	400

Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample No: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30690.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	12 J	400
Di-n-butylphthalate	ND	400
Fluoranthene	210 J	400
Pyrene	200 J	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	790
Benzo(a)anthracene	110	40
Chrysene	140 J	400
bis(2-Ethylhexyl)phthalate	120 J	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	96	40
Benzo(k)fluoranthene	110	40
Benzo(a)pyrene	100	40
Indeno(1,2,3-cd)pyrene	64	40
Dibenz(a,h)anthracene	17 J	40
Benzo(g,h,i)perylene	57 J	400

Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample No: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30690.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Organic Acid	17.01	320	
2.	Unknown	17.05	430	
3.	Unknown	17.10	890	
4.	Unknown	17.60	550	
5.	Unknown	18.97	710	
6.	Unknown	20.15	510	
7.	Unknown Alkane	20.62	460	
8.	Unknown Alkane	22.79	400	
9.	Unknown	22.97	390	
10.	Unknown	25.54	340	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 5000

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d
Lab Smp Id: 775282 Client Smp ID: B1408-SS02
Inj Date : 06-OCT-2006 12:10
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775282;3281074
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	16.00000	% Moisture

Cpnd Variable Local Compound Variable

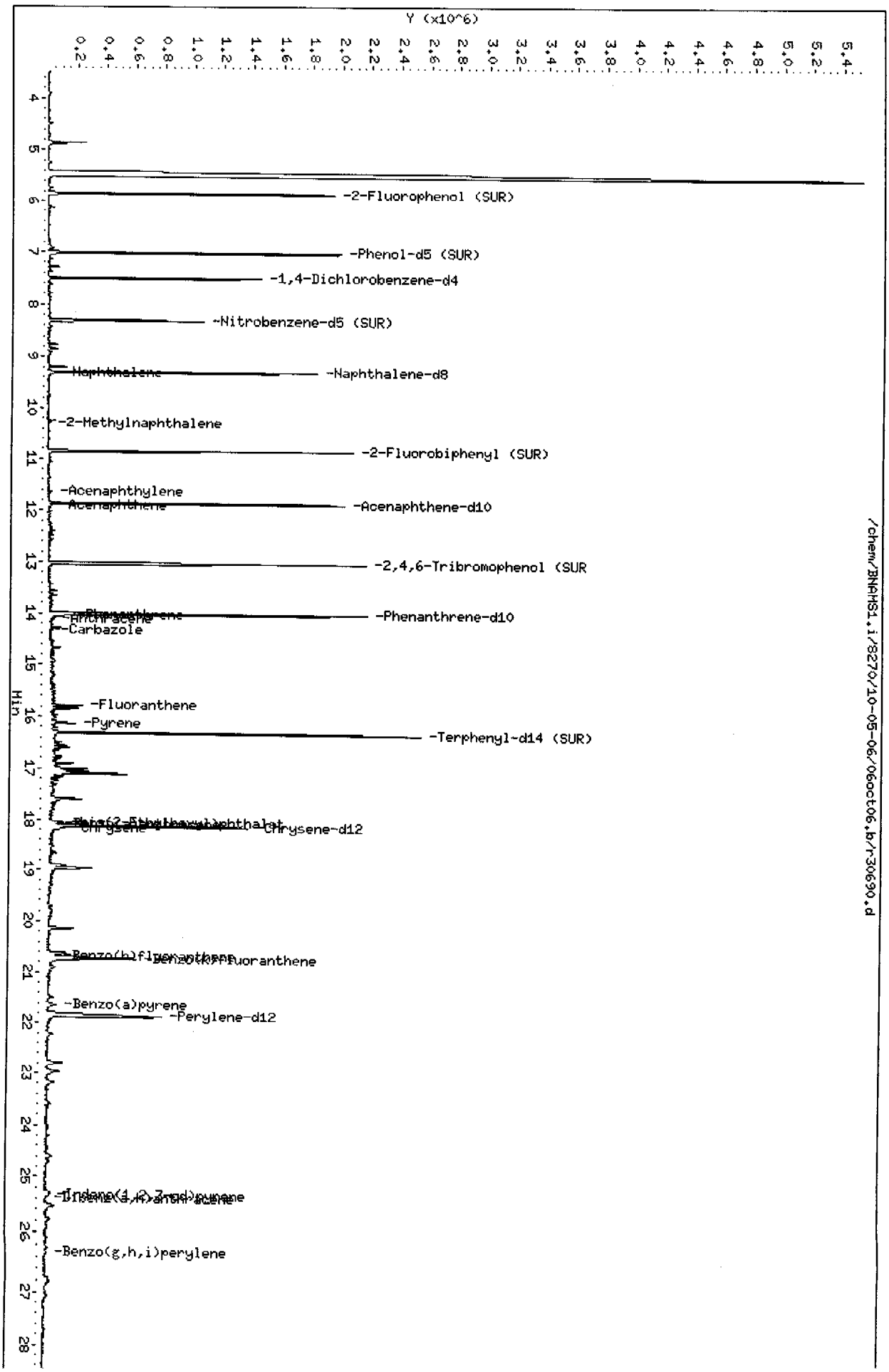
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.852	5.826	(0.780)	807379	71.6475	5700
$	17 Phenol-d5 (SUR)	99	7.018	7.012	(0.935)	1037156	74.0400	5900
*	79 1,4-Dichlorobenzene-d4	152	7.505	7.499	(1.000)	300888	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.304	8.302	(0.893)	454919	38.6522	3100
*	80 Naphthalene-d8	136	9.302	9.293	(1.000)	1148244	40.0000	
	31 Naphthalene	128	9.332	9.330	(1.003)	11253	0.39209	31(a)
	34 2-Methylnaphthalene	142	10.311	10.304	(1.108)	3183	0.15858	12(a)
$	77 2-Fluorobiphenyl (SUR)	172	10.852	10.848	(0.914)	875565	39.4548	3100
	39 Acenaphthylene	152	11.641	11.641	(0.981)	8014	0.25758	20(a)
*	82 Acenaphthene-d10	164	11.872	11.858	(1.000)	744894	40.0000	
	42 Acenaphthene	154	11.909	11.910	(1.003)	2527	0.13364	11(a)
$	18 2,4,6-Tribromophenol (SUR)	330	13.033	13.021	(1.098)	324767	79.2825	6300
*	83 Phenanthrene-d10	188	14.015	14.005	(1.000)	1139709	40.0000	
	52 Phenanthrene	178	14.045	14.043	(1.002)	47902	1.41961	110(a)

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	53 Anthracene	178	14.105	14.111	(1.006)	10098	0.29930	24(a)
	54 Carbazole	167	14.329	14.333	(1.022)	4941	0.15509	12(a)
	56 Fluoranthene	202	15.787	15.790	(1.126)	93529	2.70371	210(a)
	57 Pyrene	202	16.127	16.124	(0.889)	82619	2.55697	200(a)
$	78 Terphenyl-d14 (SUR)	244	16.313	16.302	(0.899)	1063256	48.0011	3800
	63 bis(2-Ethylhexyl)phthalate	149	18.055	18.048	(0.995)	40389	1.52687	120(a)
	61 Benzo(a)anthracene	228	18.086	18.093	(0.997)	37436	1.34979	110
*	81 Chrysene-d12	240	18.139	18.137	(1.000)	1008096	40.0000	
	62 Chrysene	228	18.176	18.190	(1.002)	45422	1.75747	140(a)
	65 Benzo(b)fluoranthene	252	20.674	20.711	(0.946)	39132	1.21586	96
	66 Benzo(k)fluoranthene	252	20.733	20.779	(0.948)	39621	1.41831	110
	67 Benzo(a)pyrene	252	21.640	21.672	(0.990)	36144	1.33501	100
*	84 Perylene-d12	264	21.865	21.844	(1.000)	843583	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.356	25.392	(1.160)	21633	0.80591	64
	69 Dibenz(a,h)anthracene	278	25.401	25.458	(1.162)	4694	0.21806	17(a)
	70 Benzo(g,h,i)perylene	276	26.328	26.408	(1.204)	16805	0.71866	57(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).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Date : 06-OCT-2006 12:10
Client ID: B1408-SS02
Sample Info: 775282;3281074
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

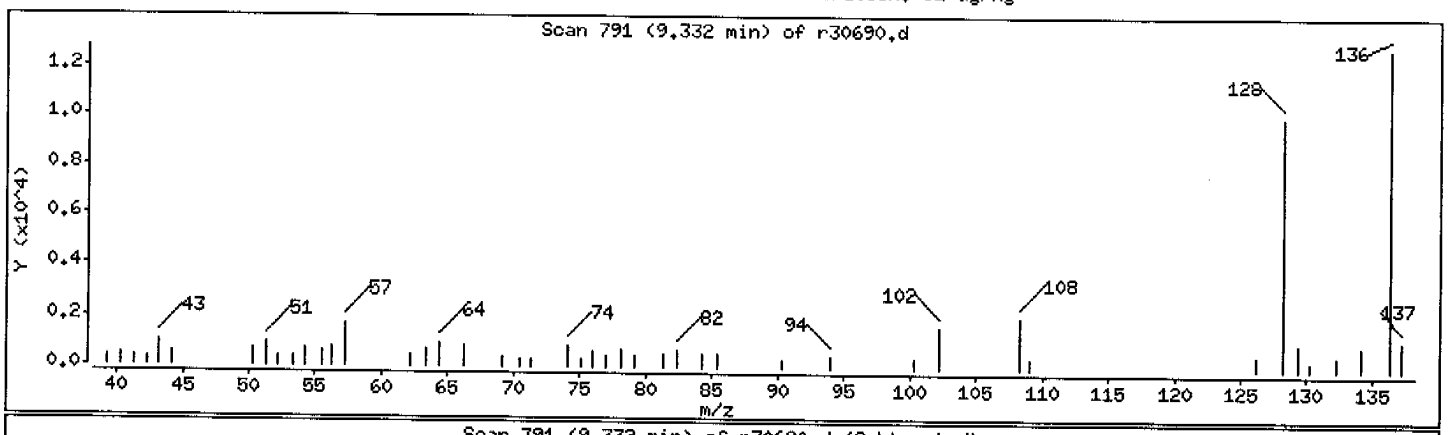
Client ID: B1408-SS02 Instrument: BNAMS1.i

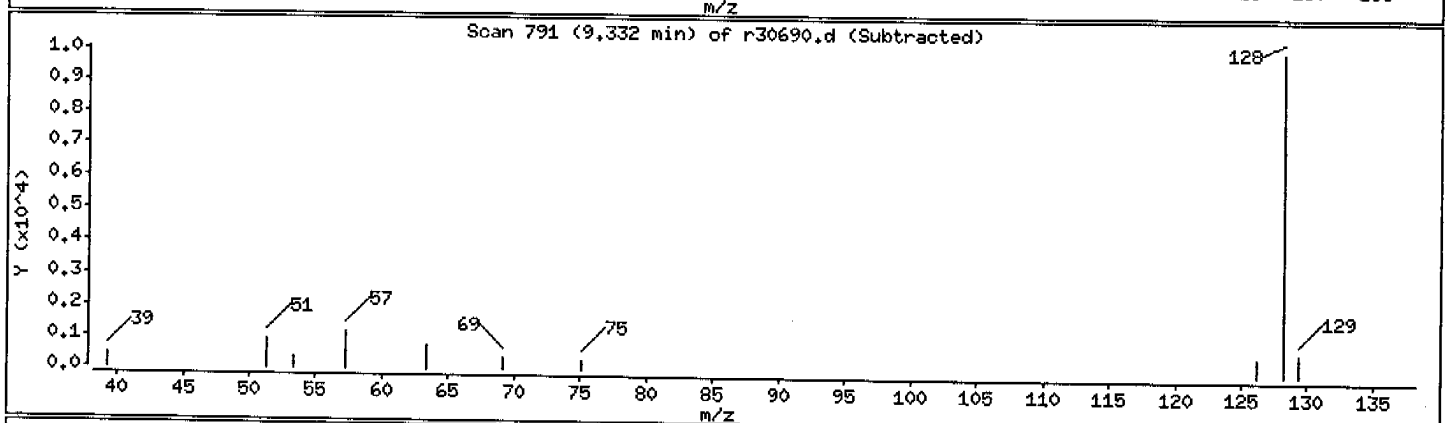
Sample Info: 775282;3281074

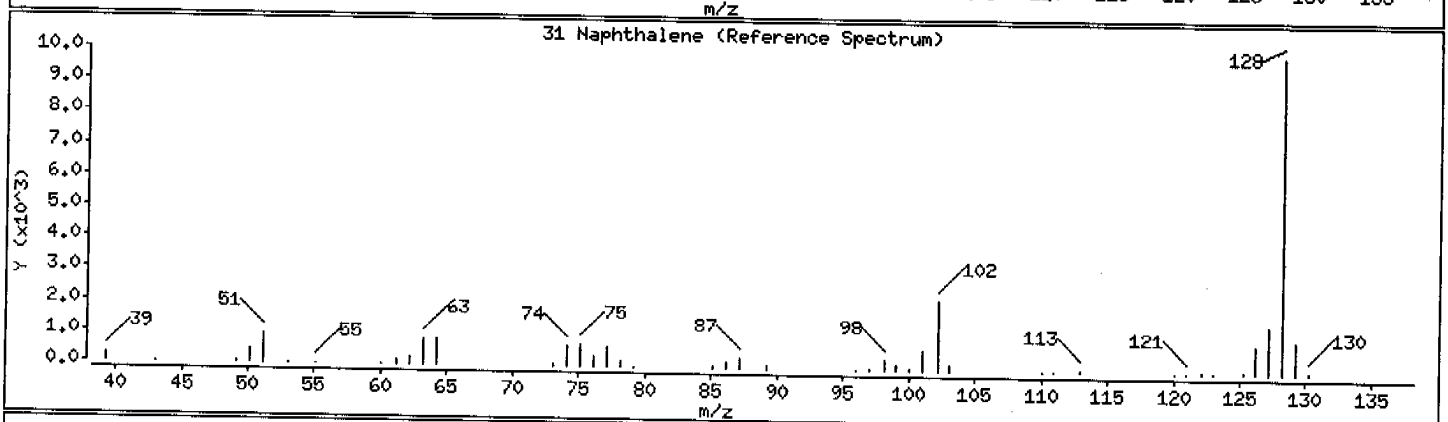
Operator: BNAMS 4

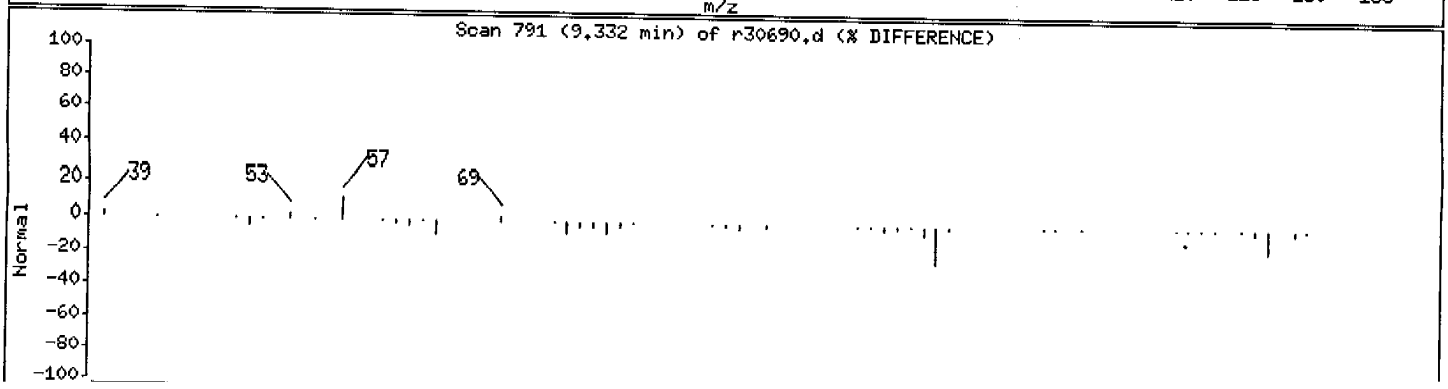
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 31 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

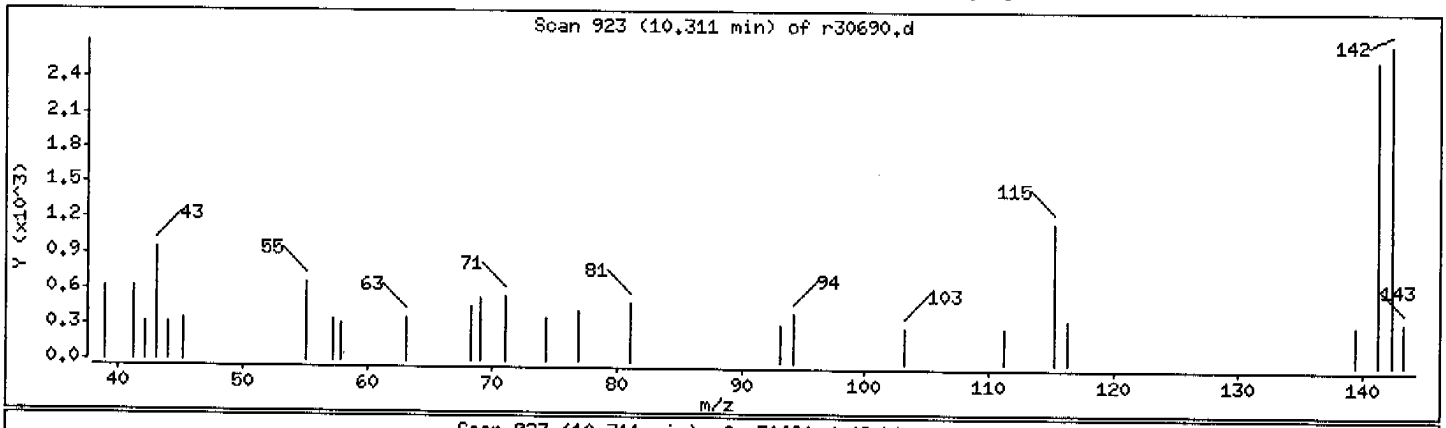
Operator: BNAMS 4

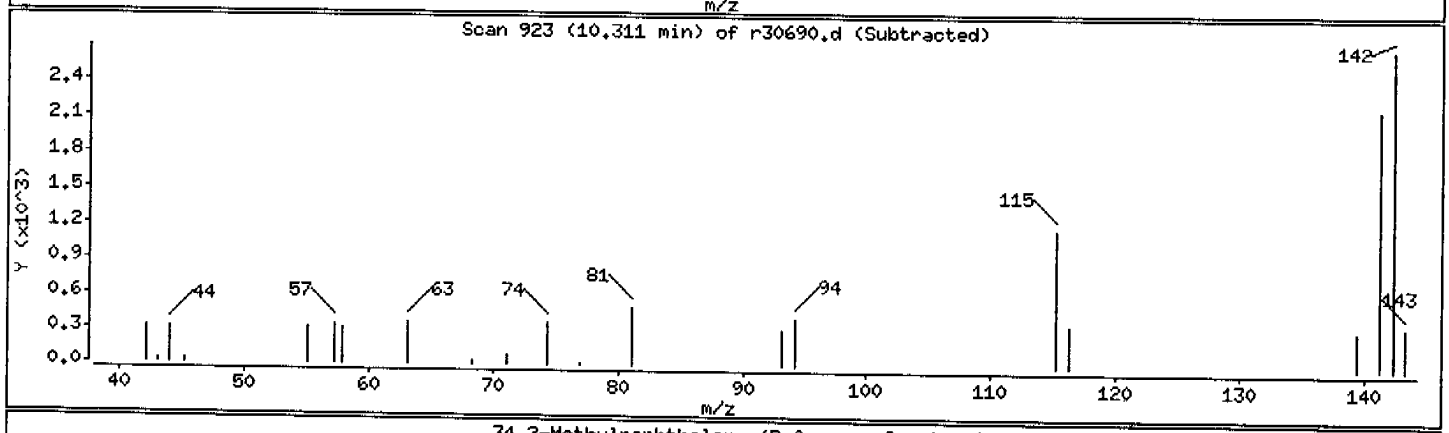
Column phase: DB-5

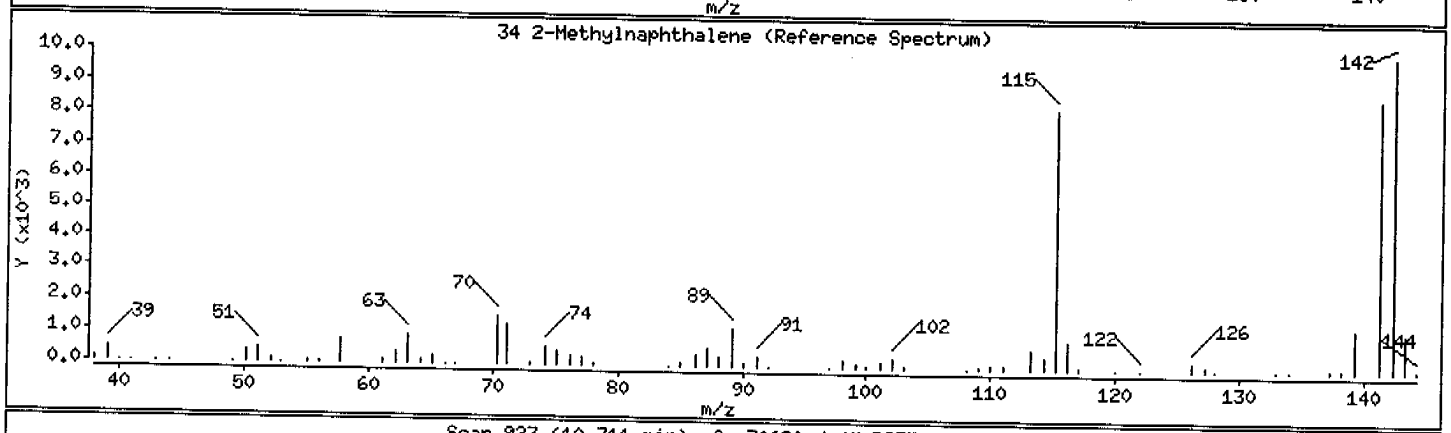
Column diameter: 0.25

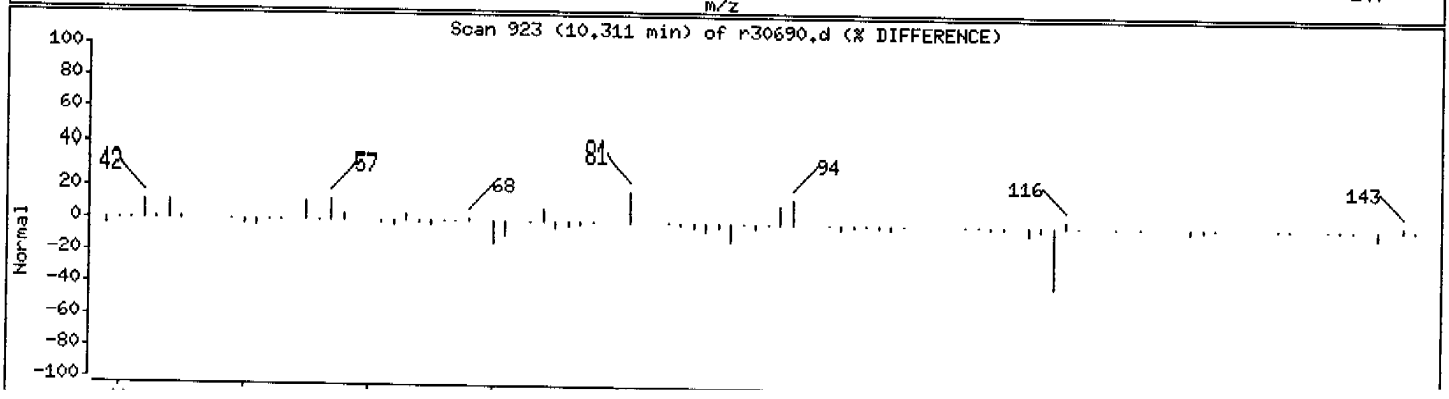
34 2-Methylnaphthalene

Concentration: 12 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

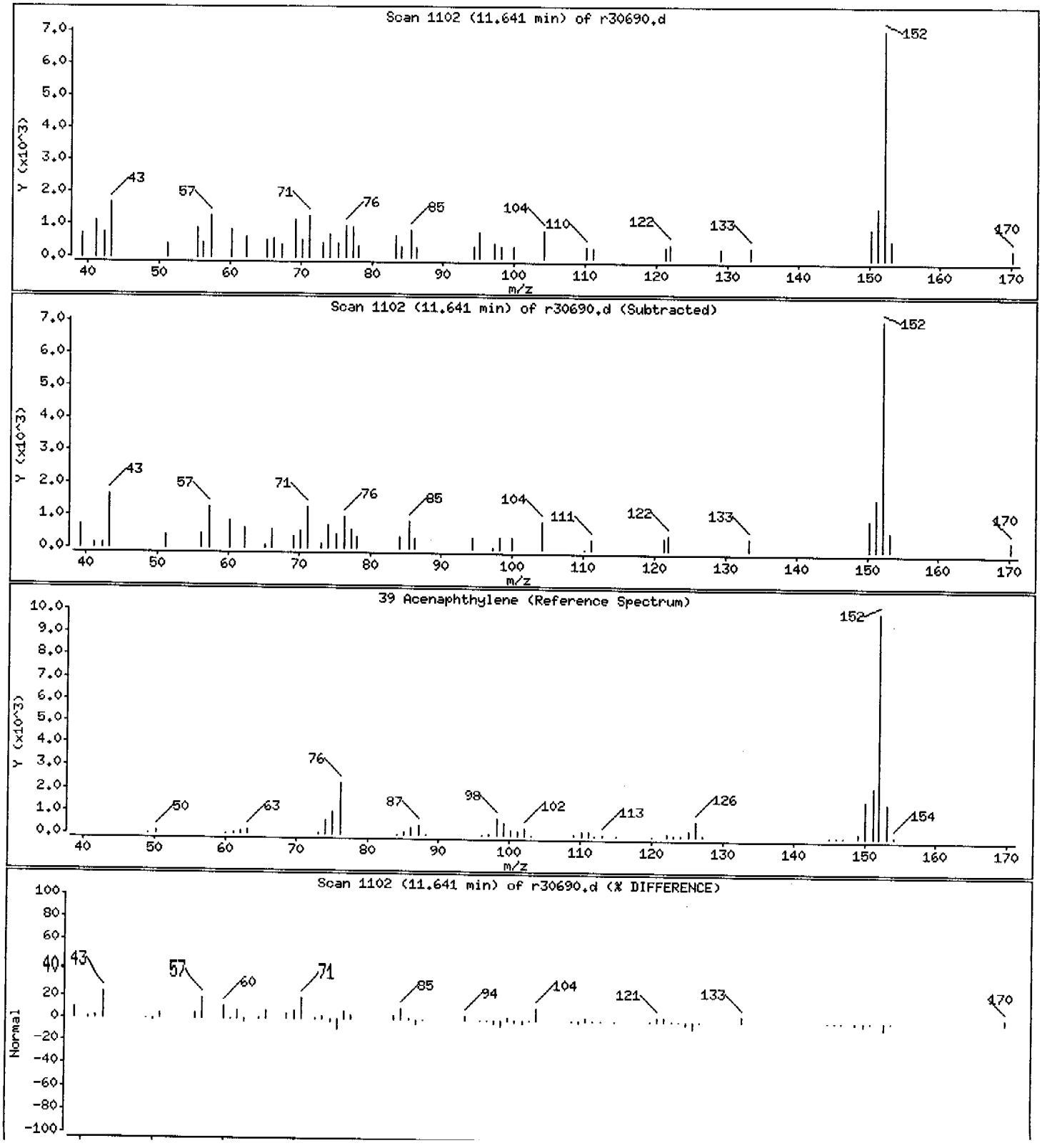
Client ID: B1408-SS02 Instrument: BNAMS1.i

Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 20 ug/Kg



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Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

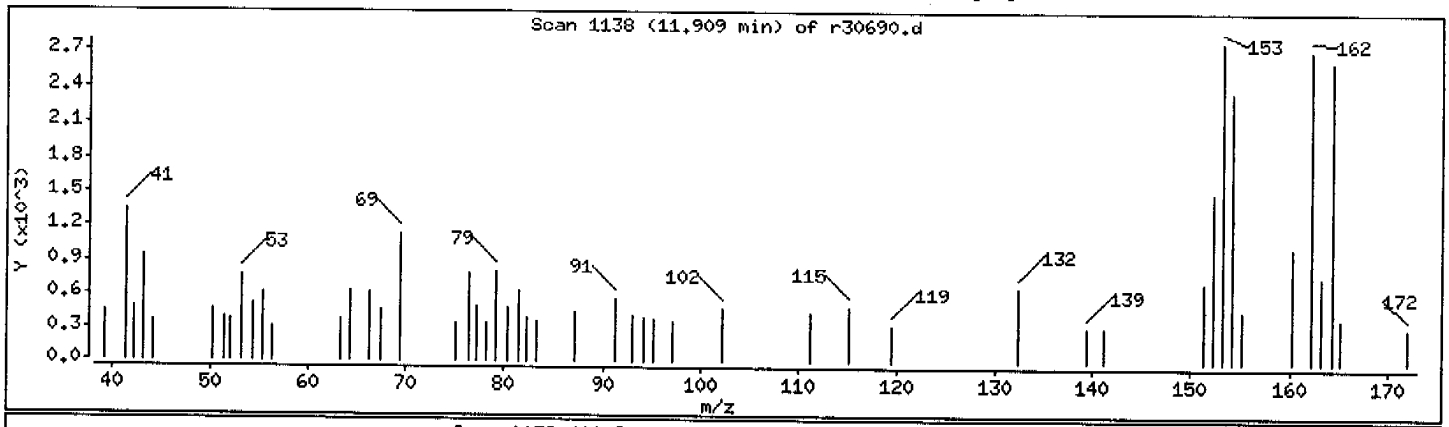
Operator: BNAMS 4

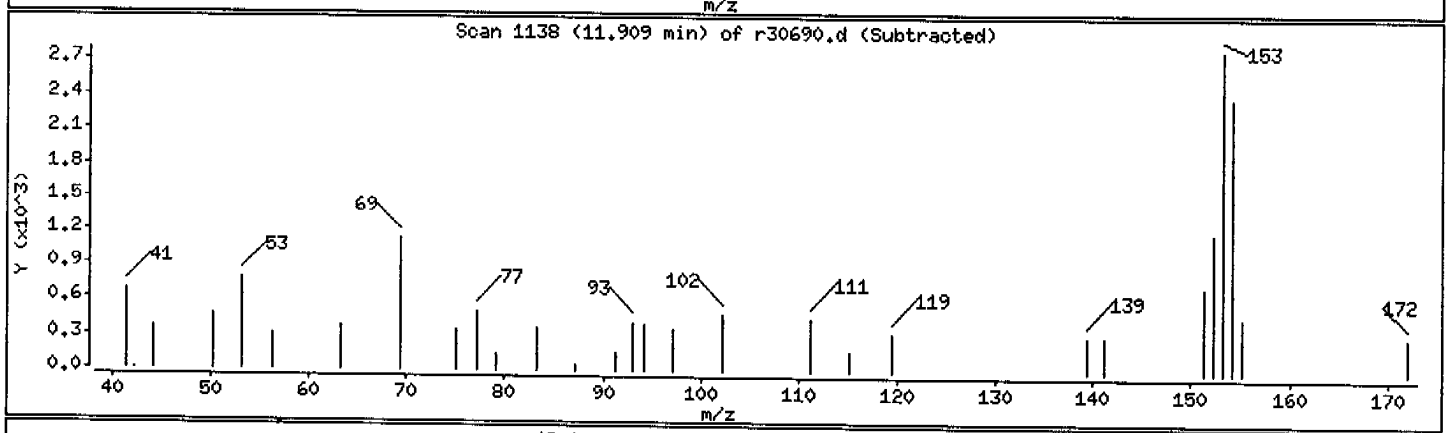
Column phase: DB-5

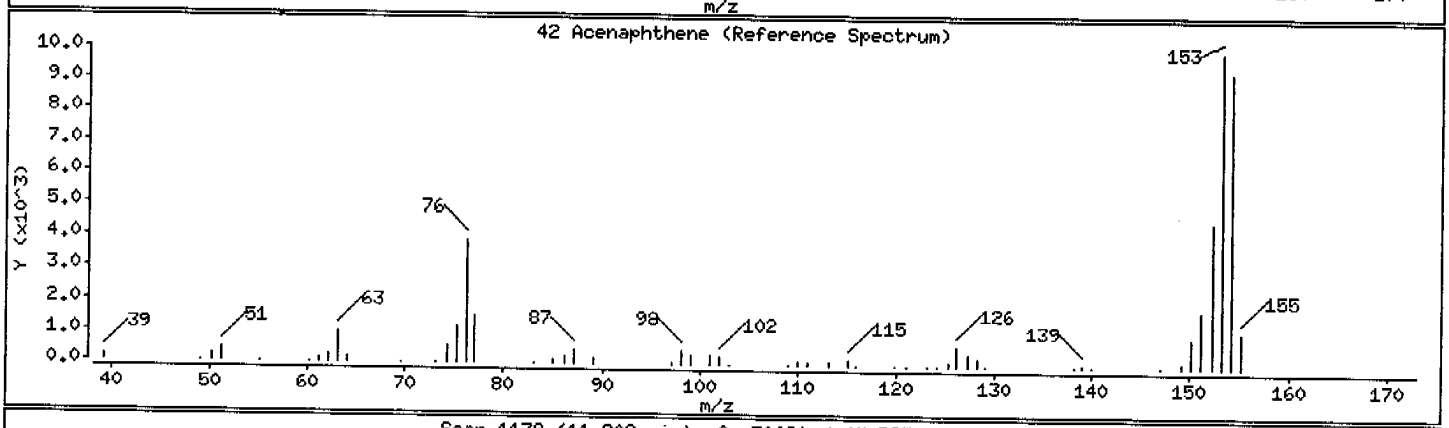
Column diameter: 0.25

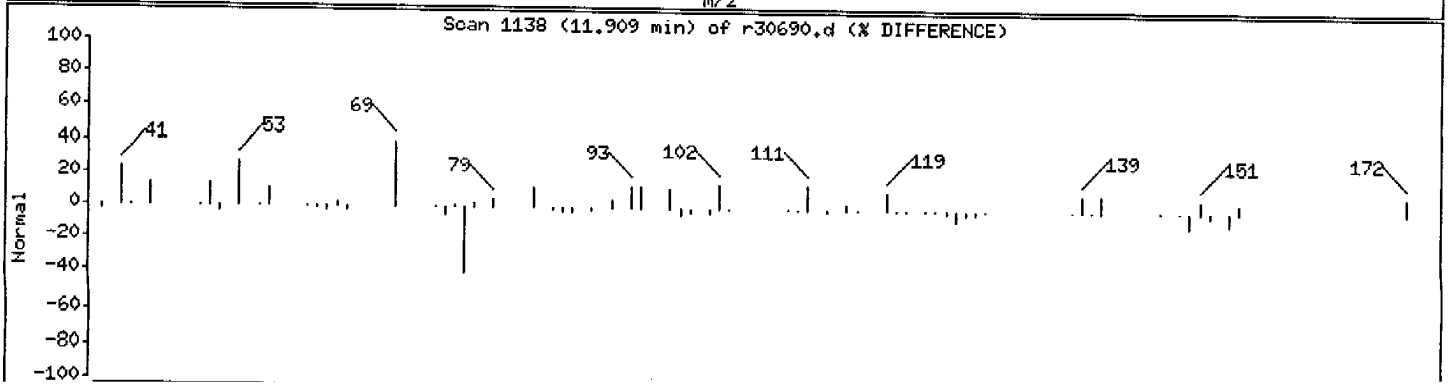
42 Acenaphthene

Concentration: 11 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

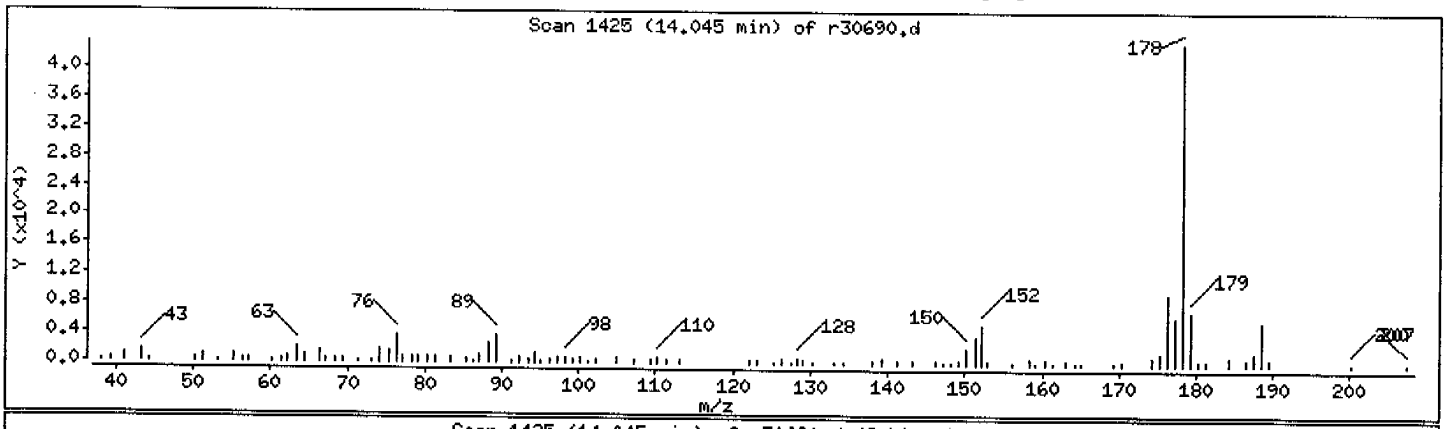
Client ID: B1408-SS02 Instrument: BNAMS1.i

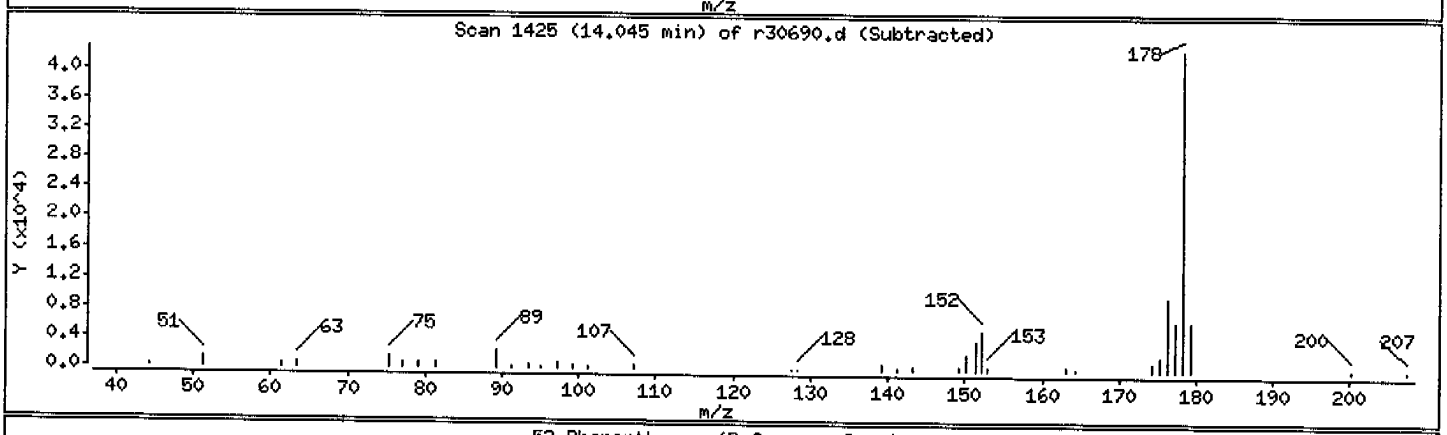
Sample Info: 775282:3281074

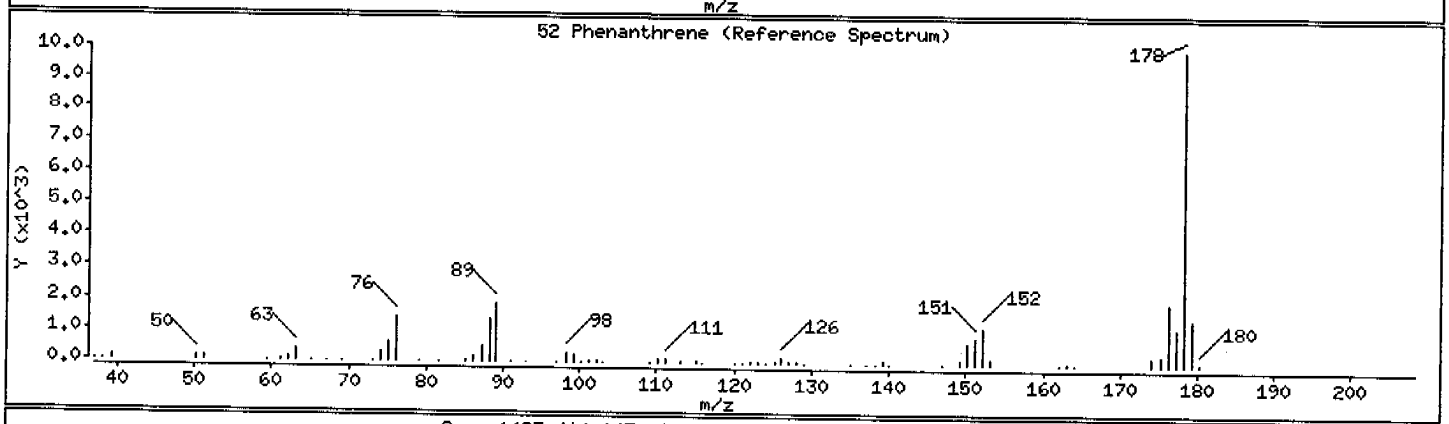
Operator: BNAMS 4

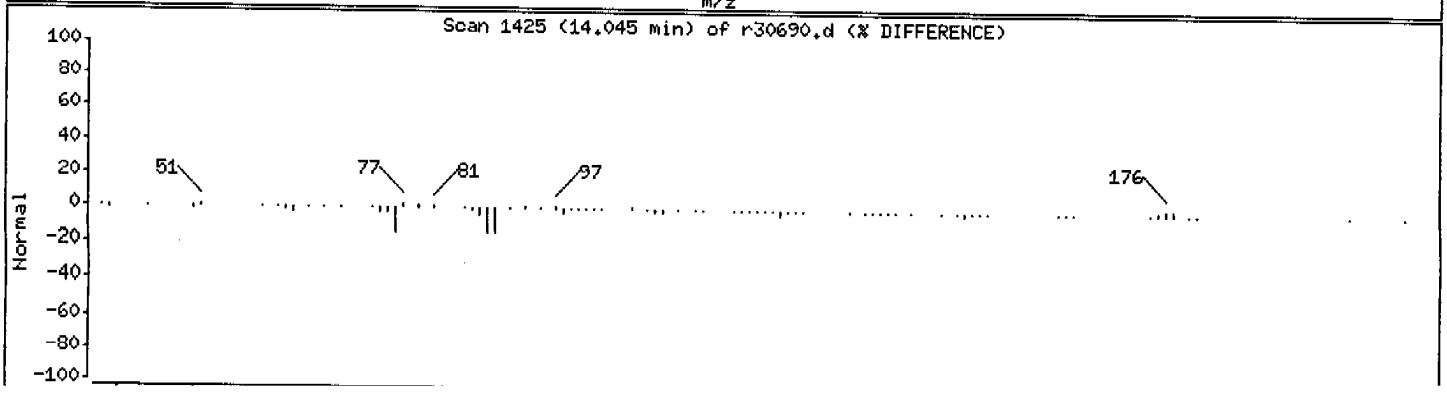
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 110 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

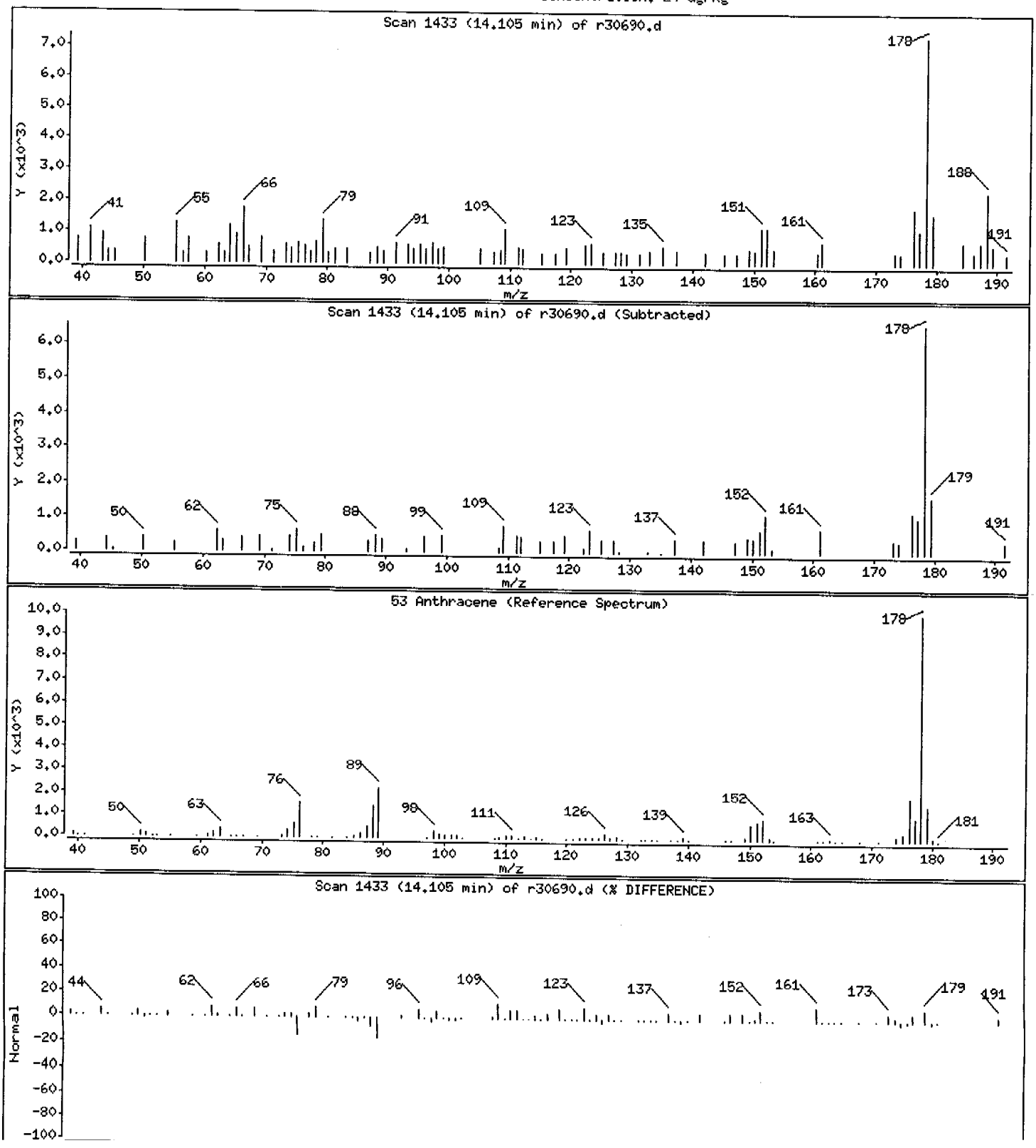
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

53 Anthracene

Concentration: 24 ug/Kg



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Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

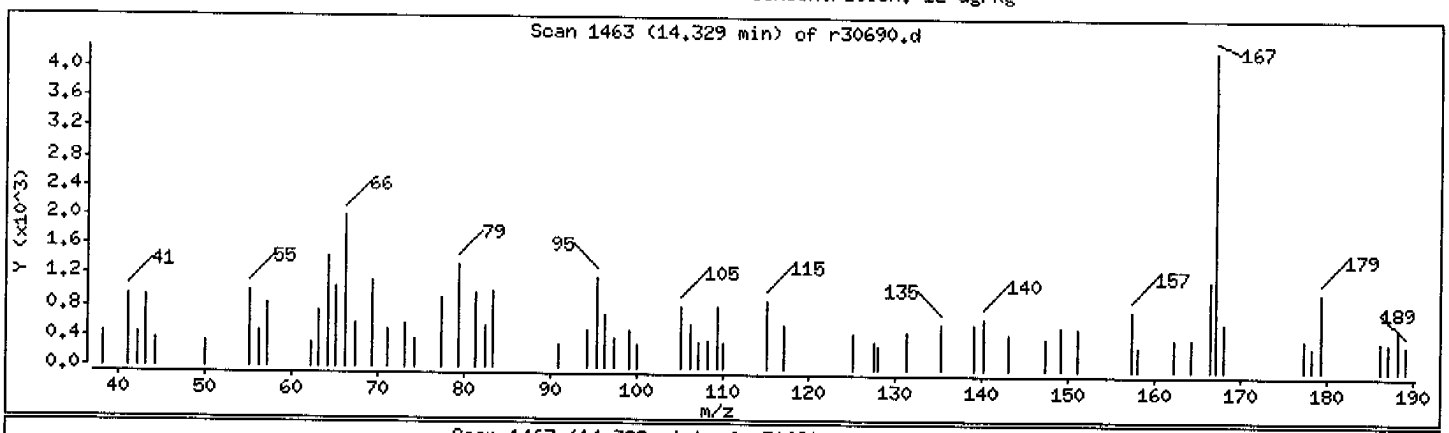
Operator: BNAMS 4

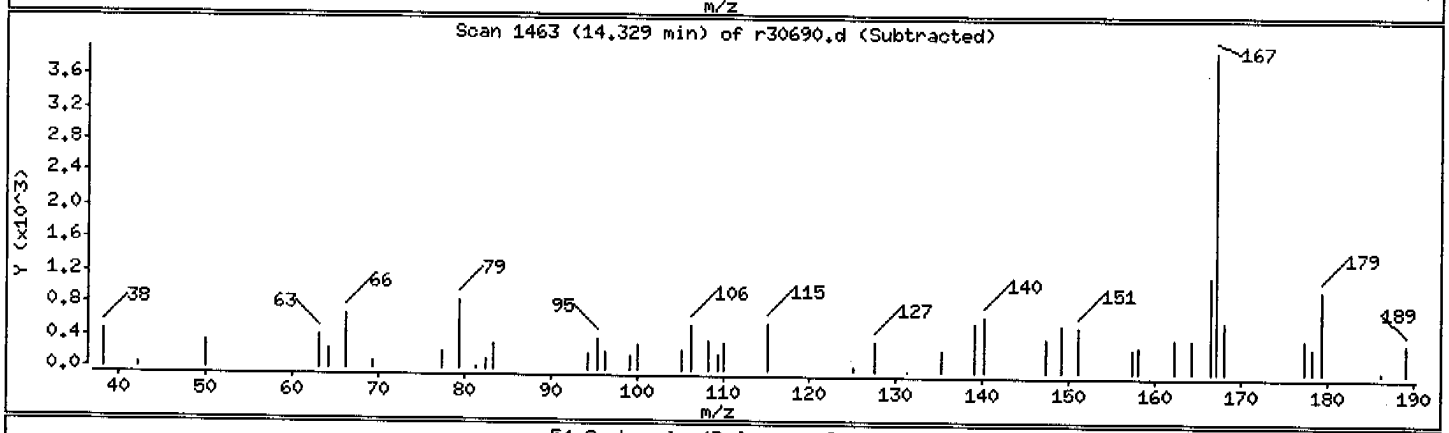
Column phase: DB-5

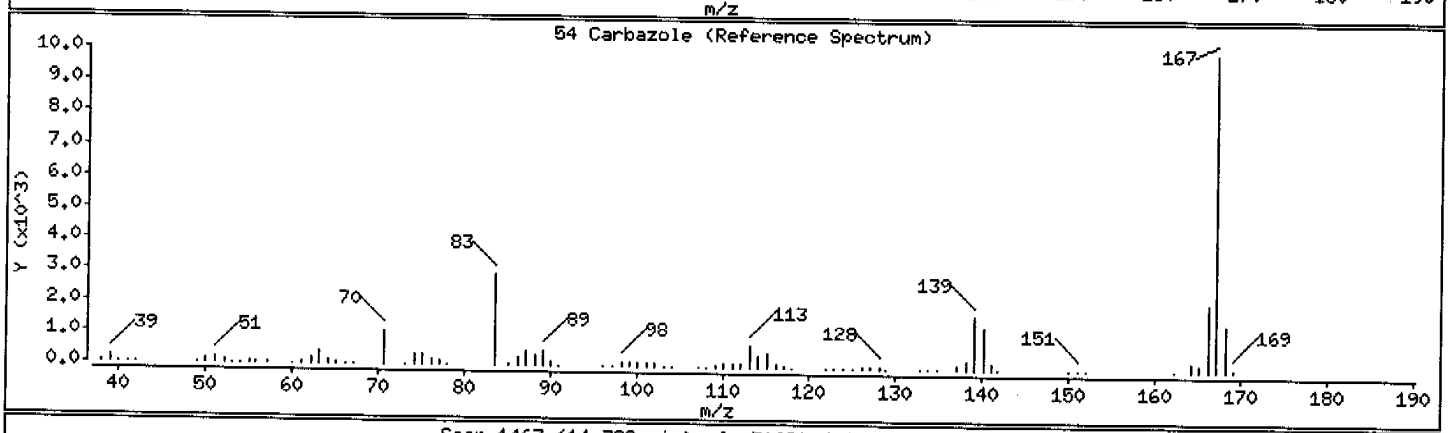
Column diameter: 0.25

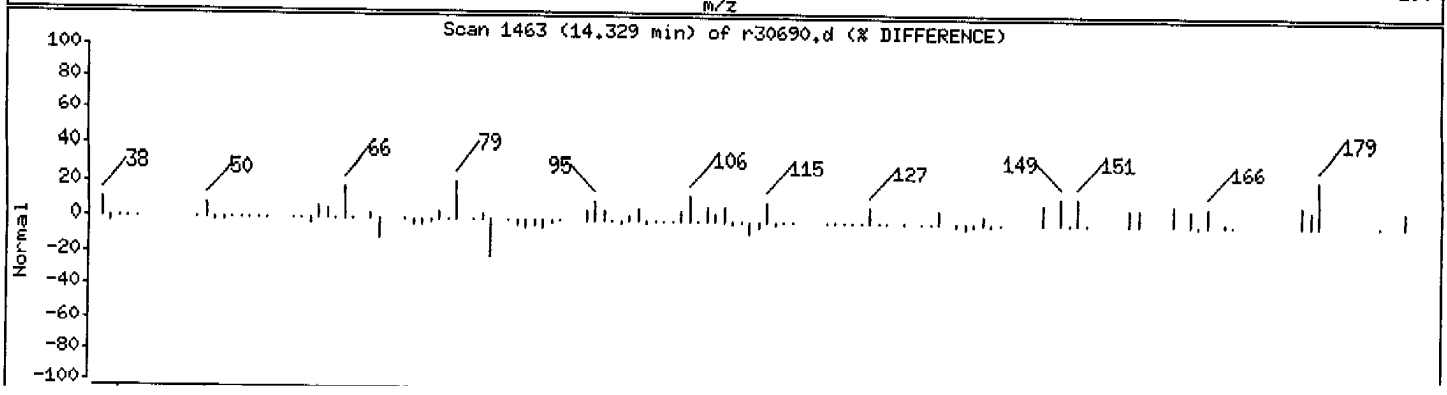
54 Carbazole

Concentration: 12 ug/Kg









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Date : 06-OCT-2006 12:10

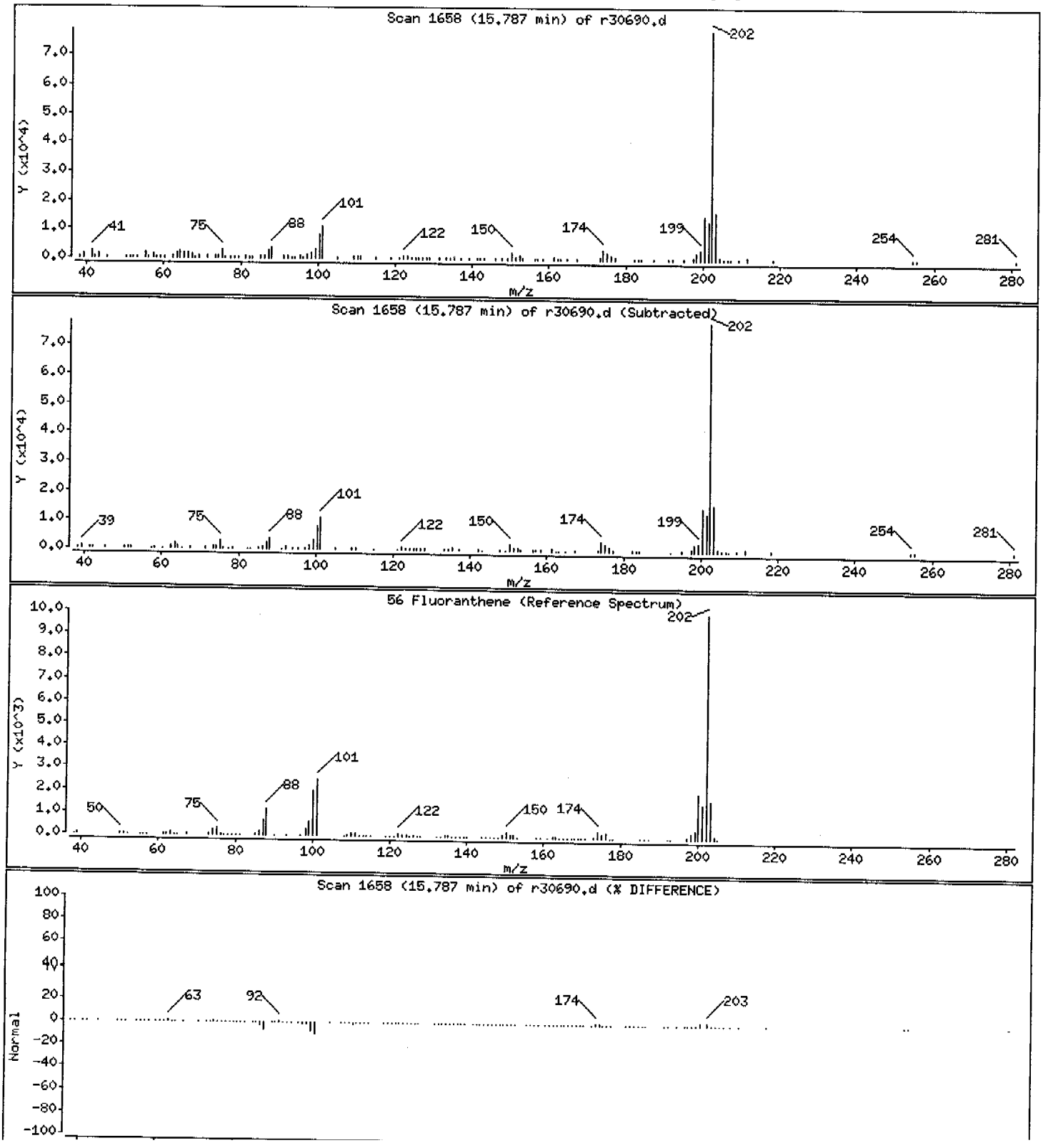
Client ID: B1408-SS02 Instrument: BNAMS1.i

Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 210 ug/Kg



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Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

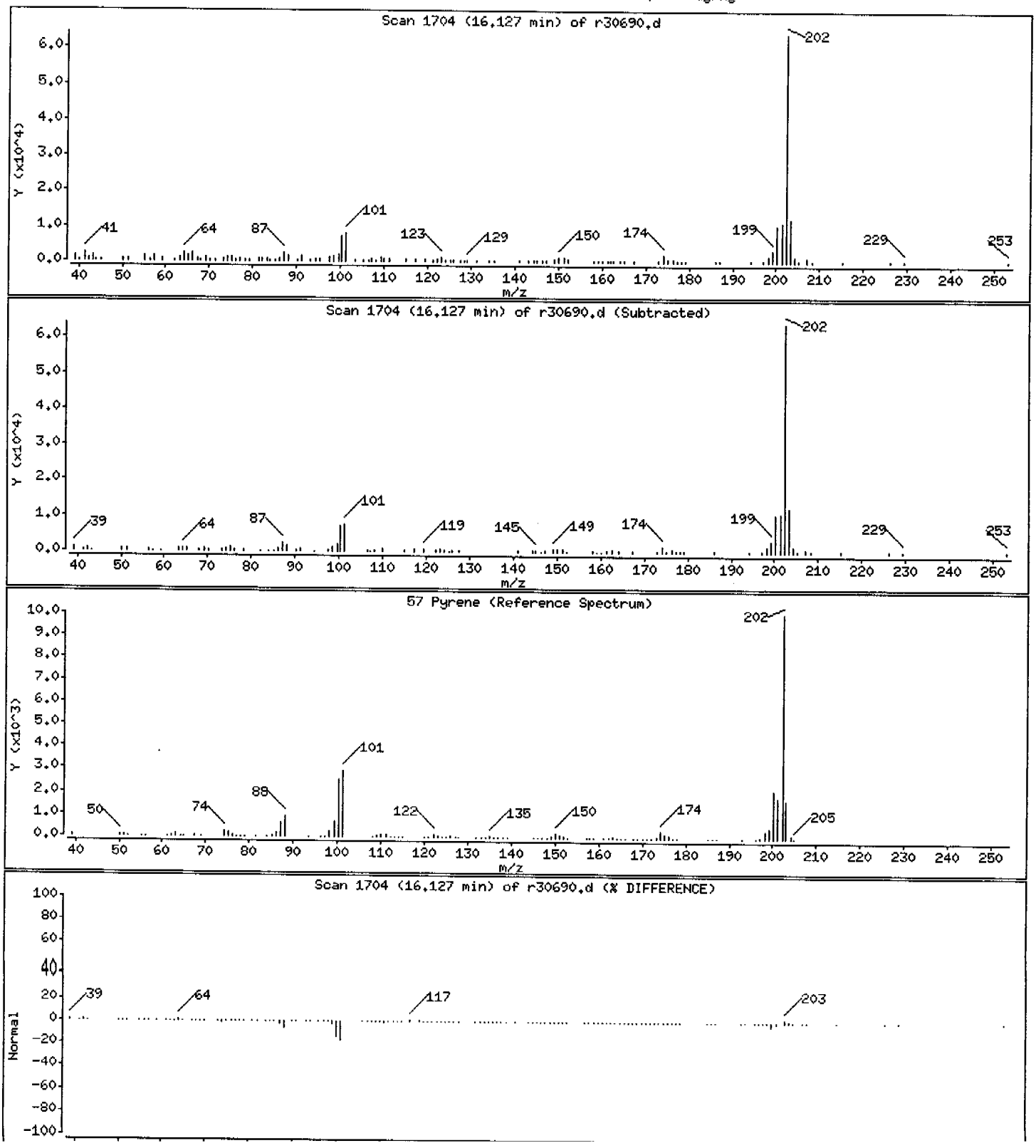
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 200 ug/Kg



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Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

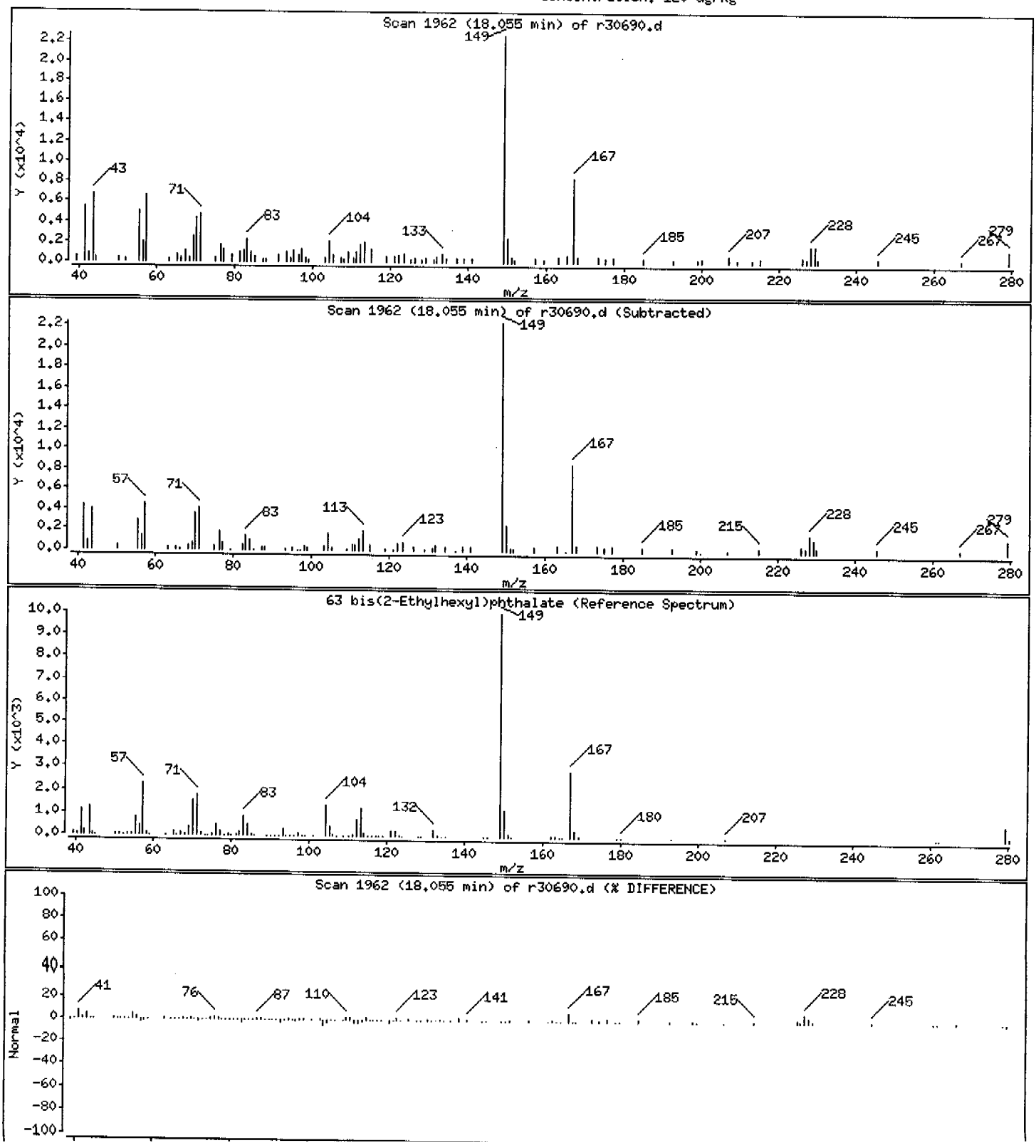
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 120 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

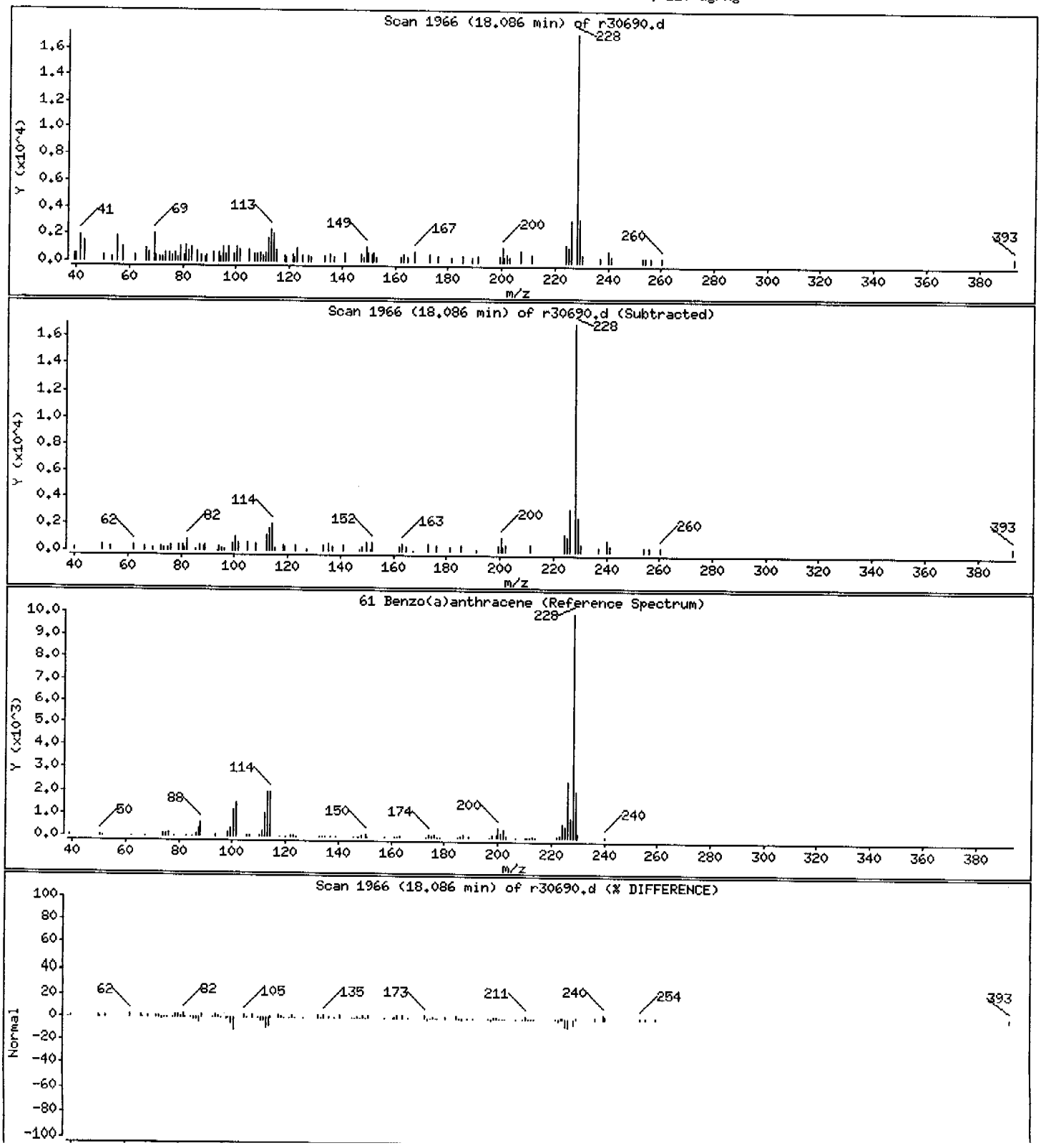
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 110 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

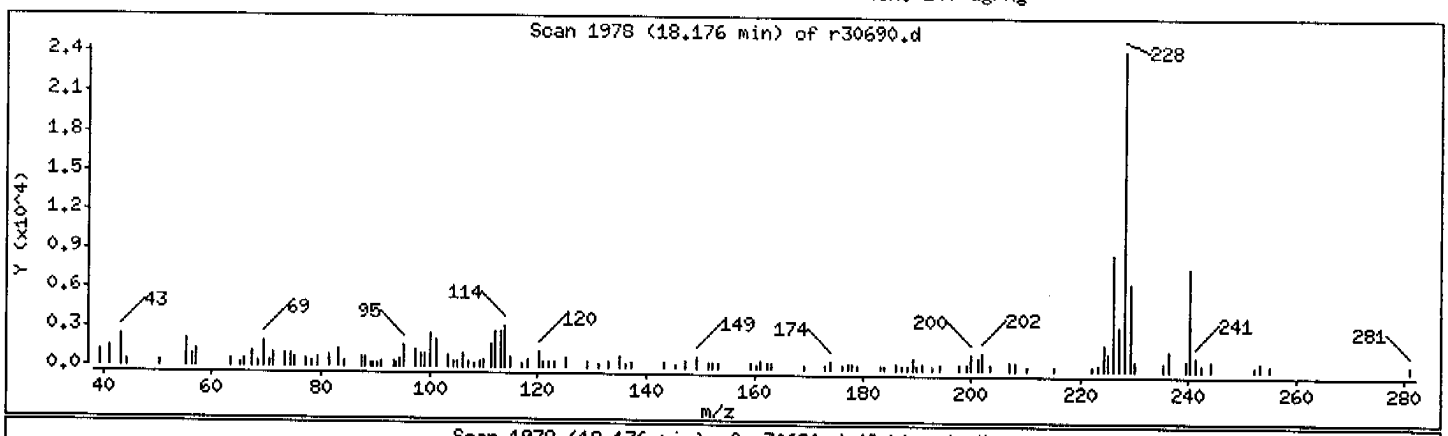
Operator: BNAMS 4

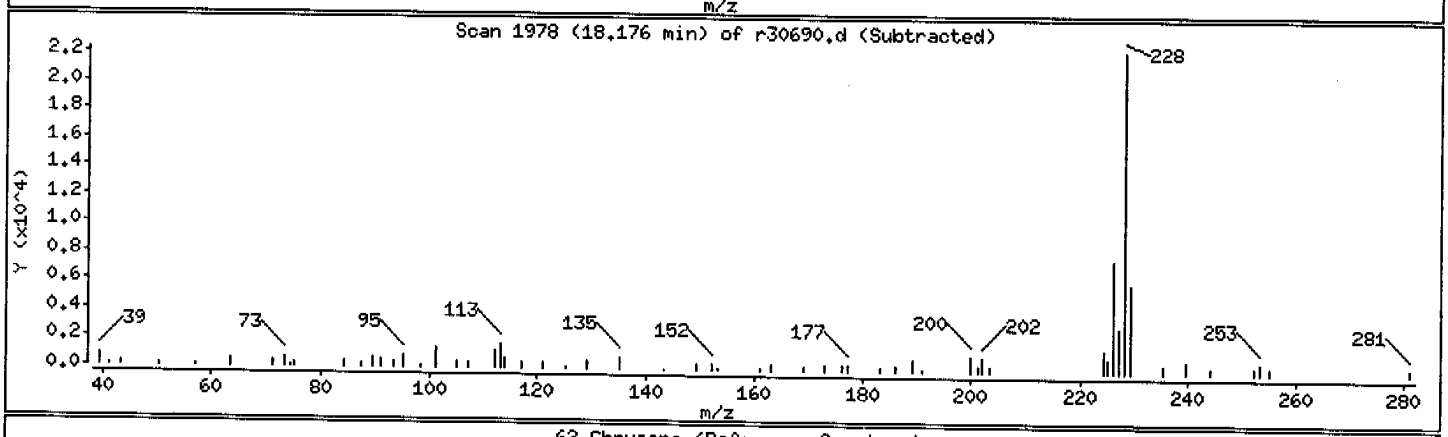
Column phase: DB-5

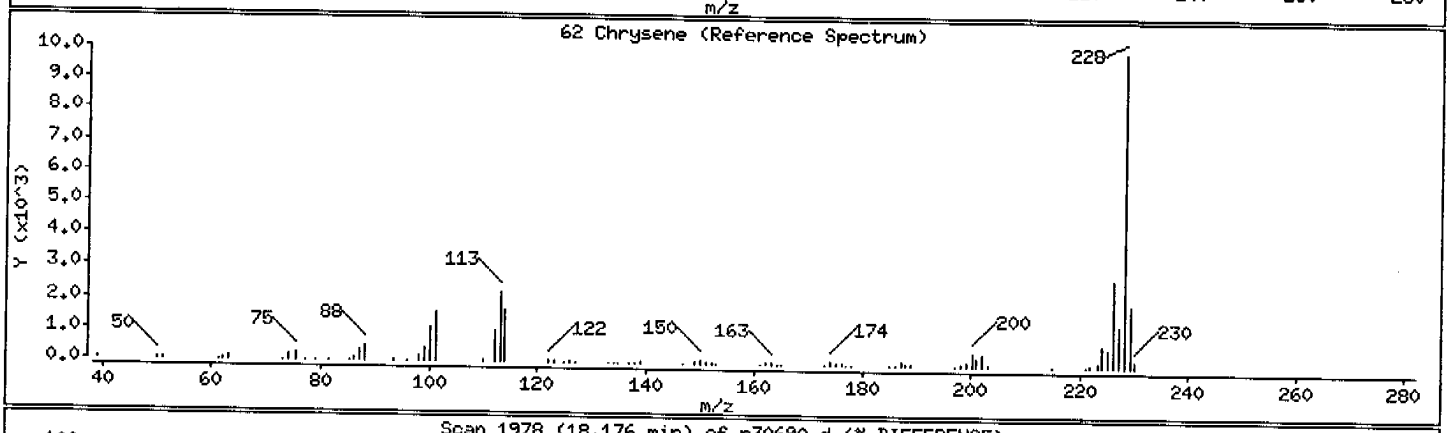
Column diameter: 0.25

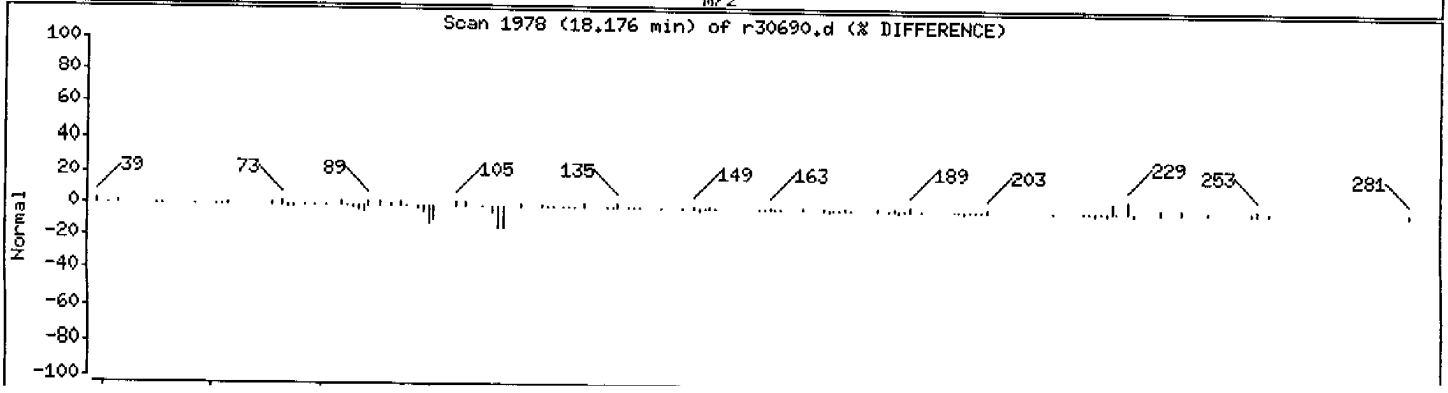
62 Chrysene

Concentration: 140 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

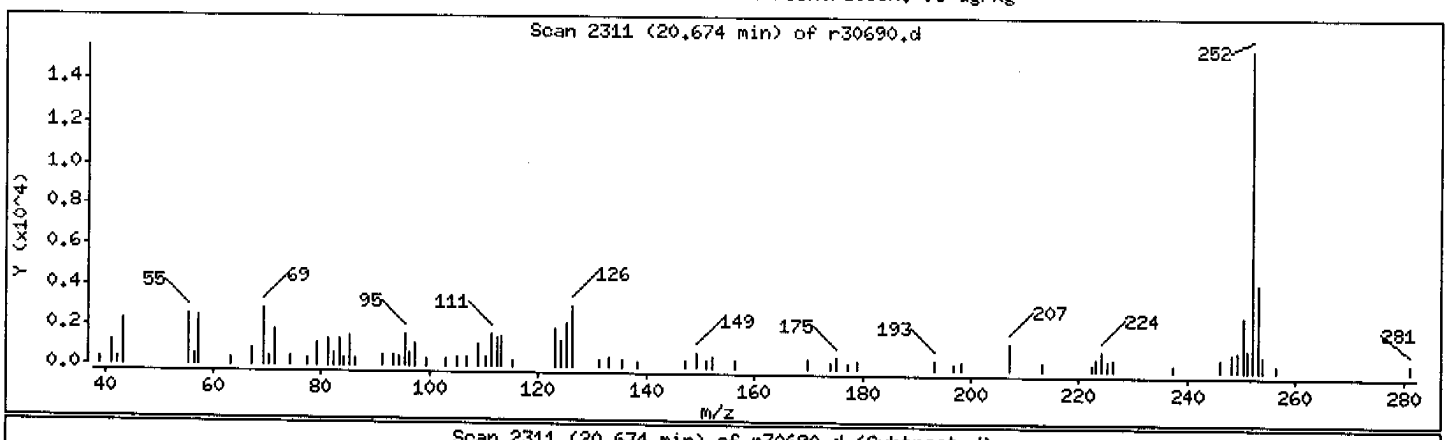
Operator: BNAMS 4

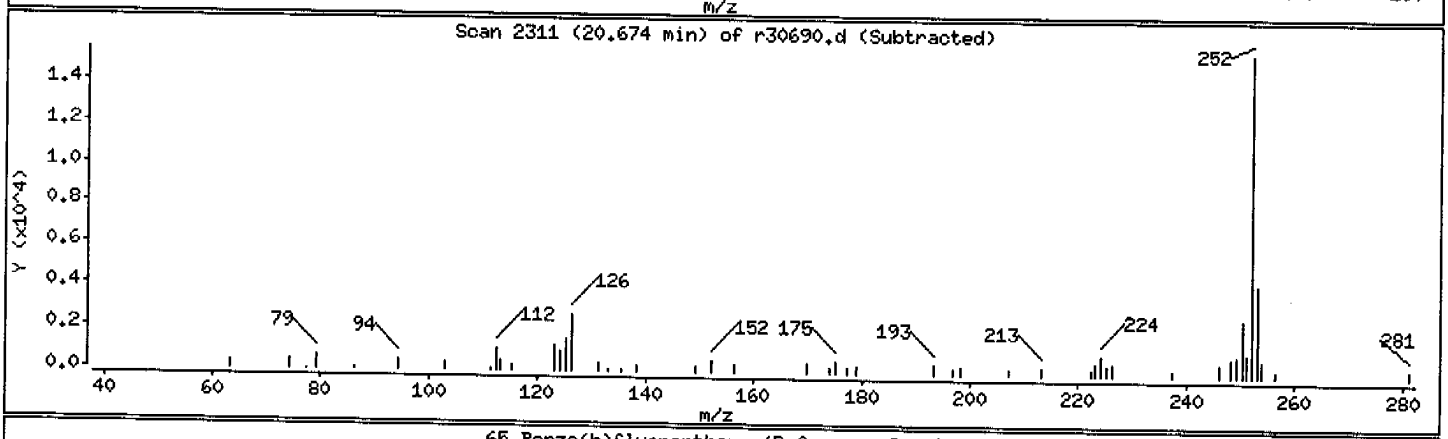
Column phase: DB-5

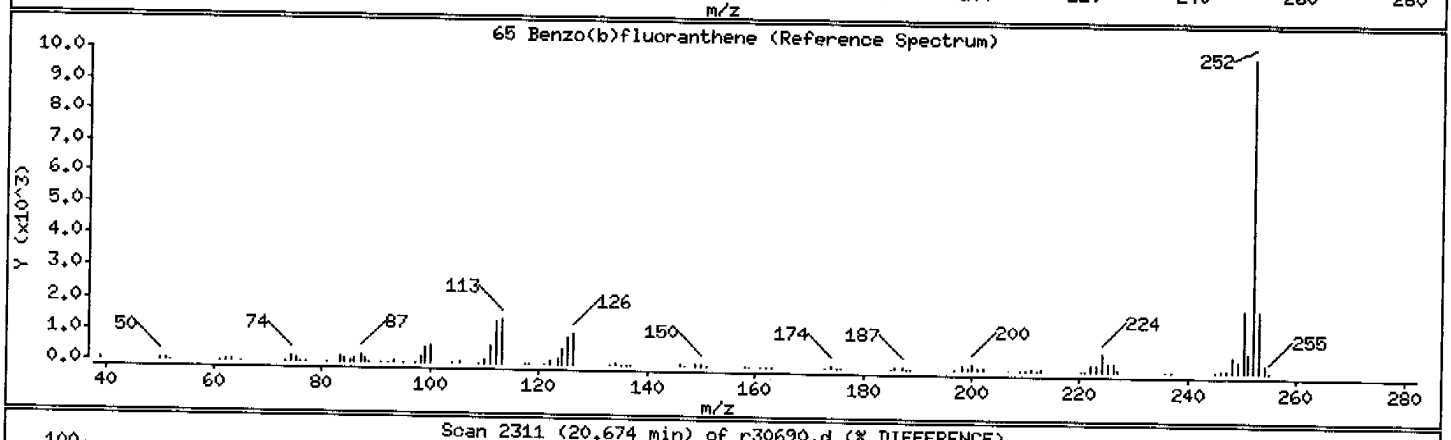
Column diameter: 0.25

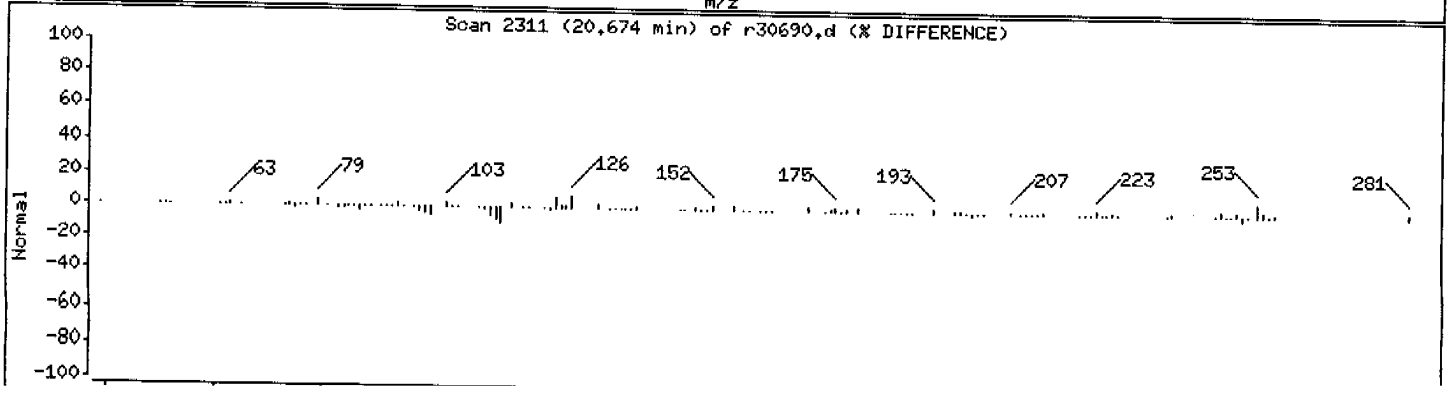
65 Benzo(b)fluoranthene

Concentration: 96 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

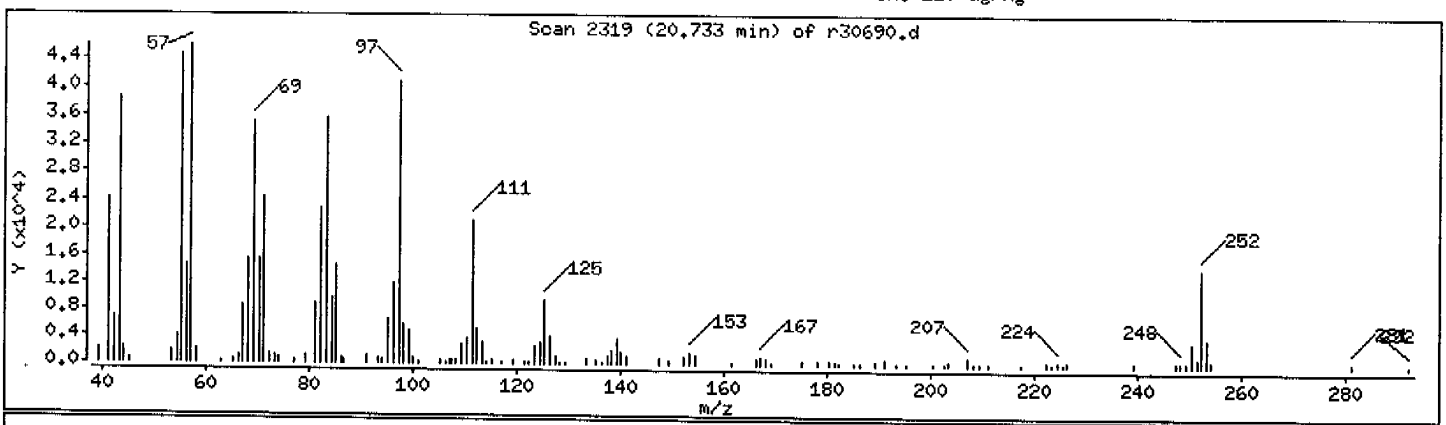
Client ID: B1408-SS02 Instrument: BNAMS1.i

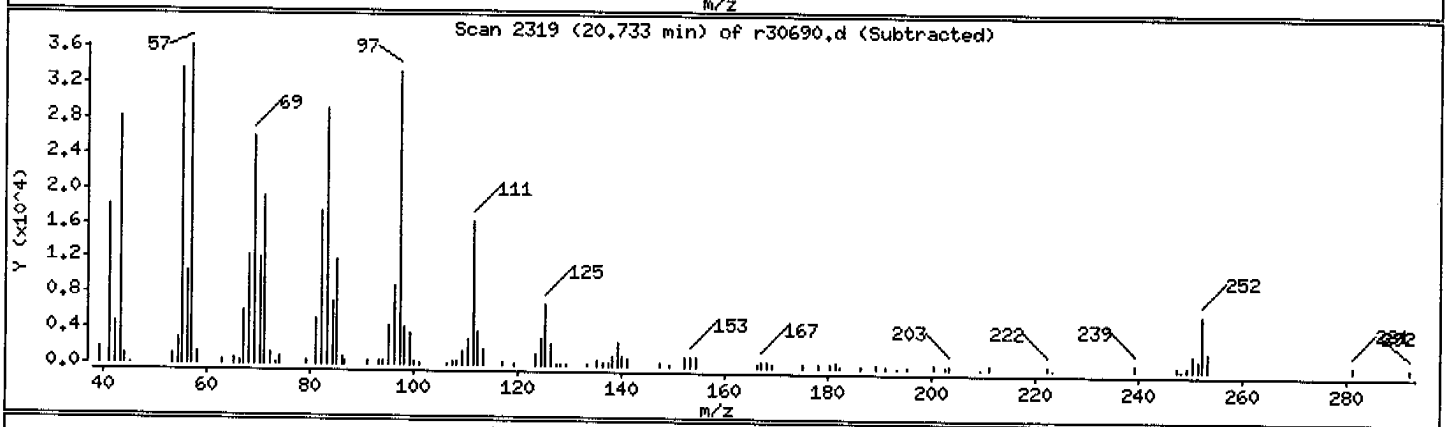
Sample Info: 775282;3281074

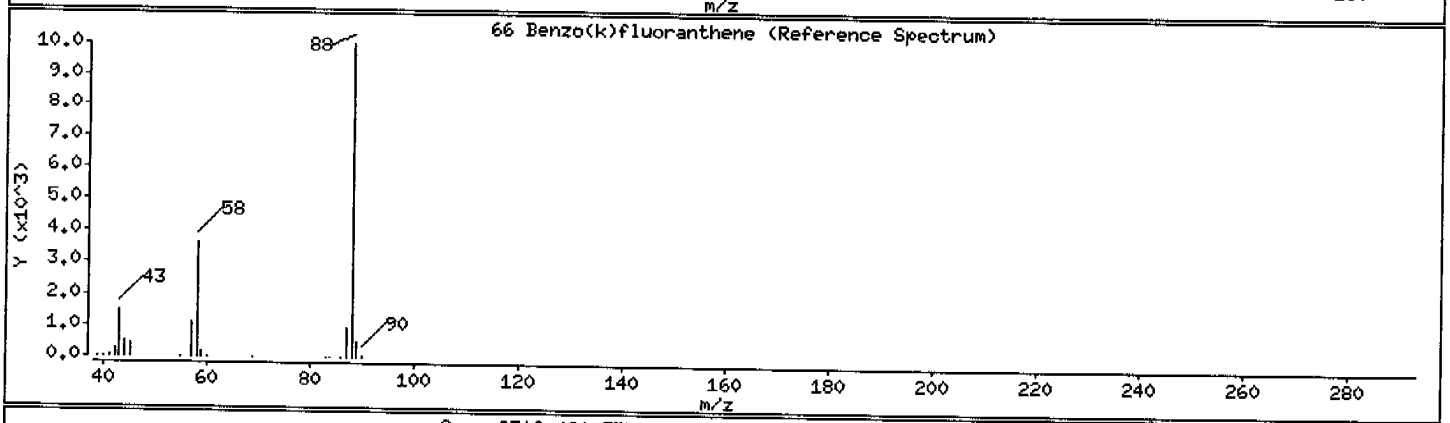
Operator: BNAMS 4

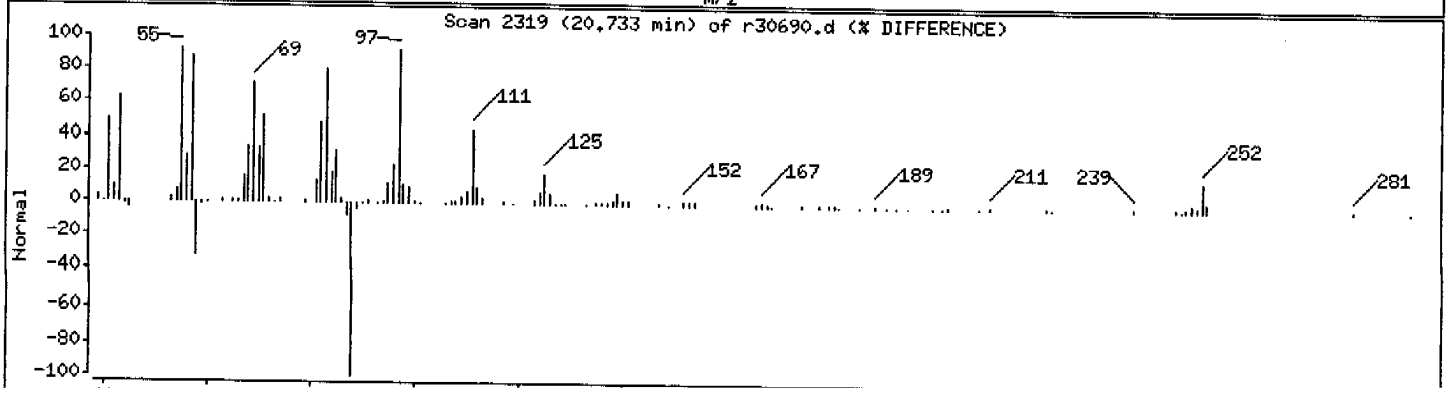
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 110 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

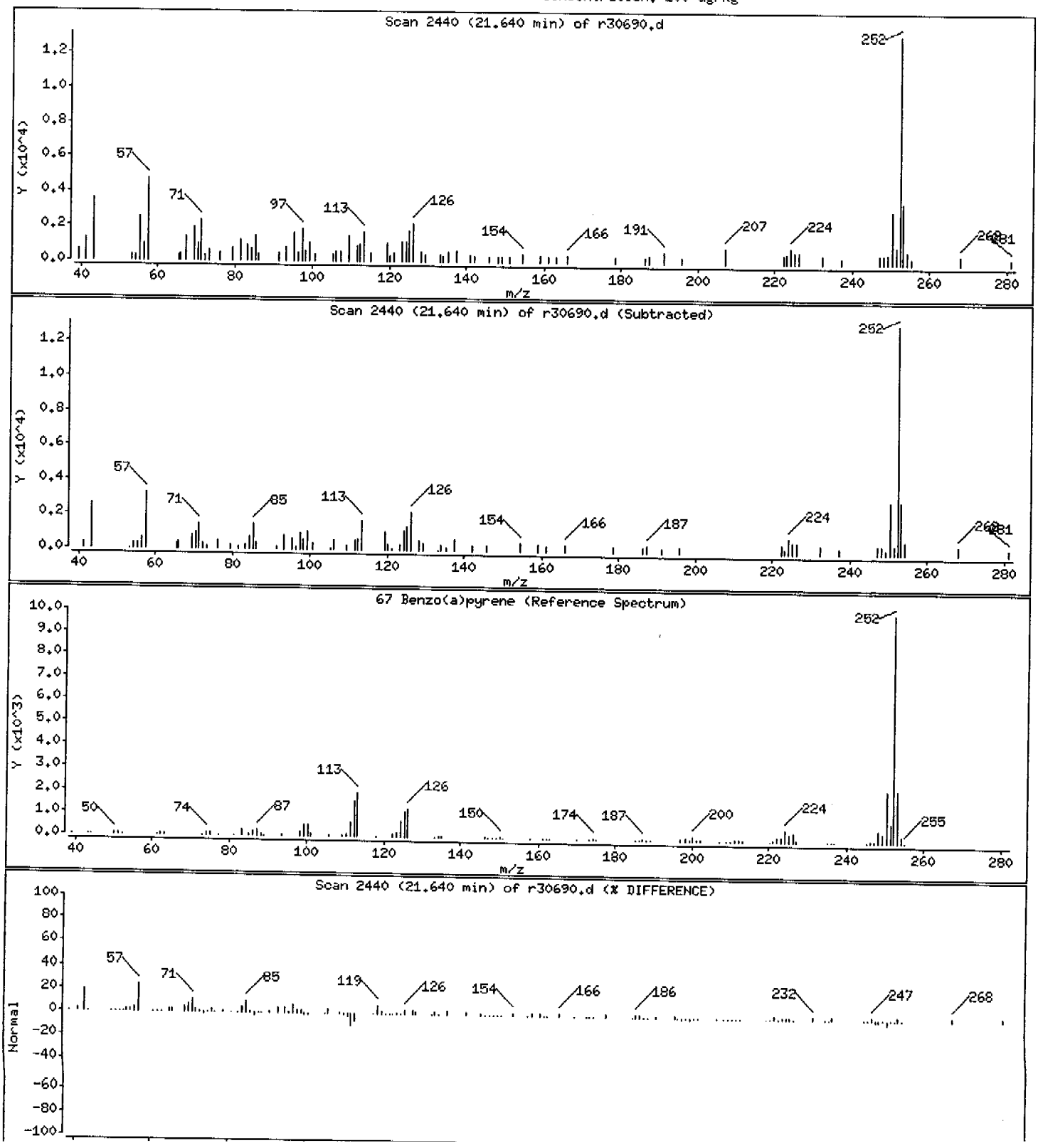
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 100 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

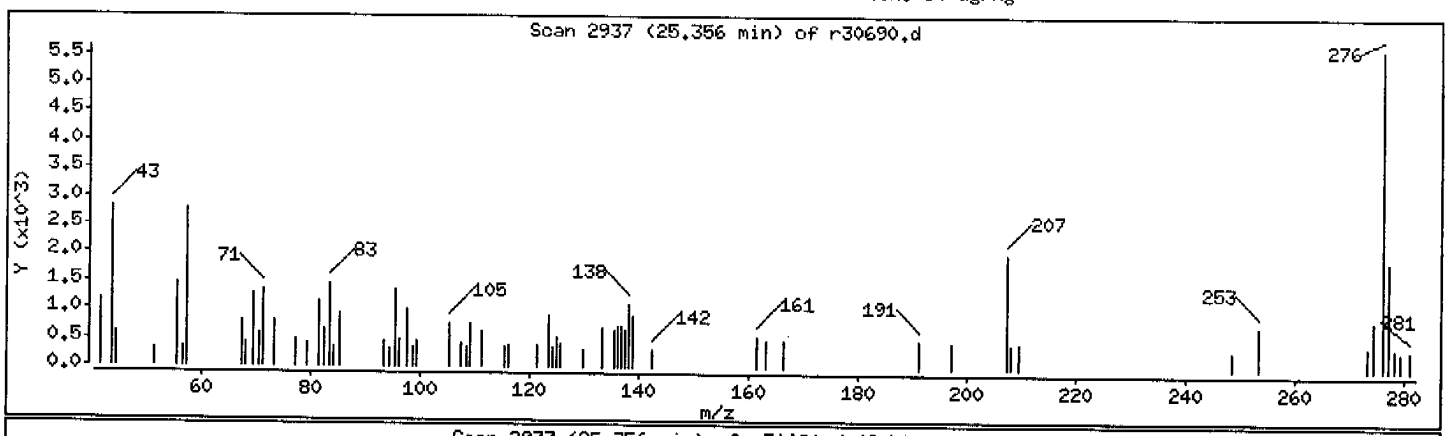
Operator: BNAMS 4

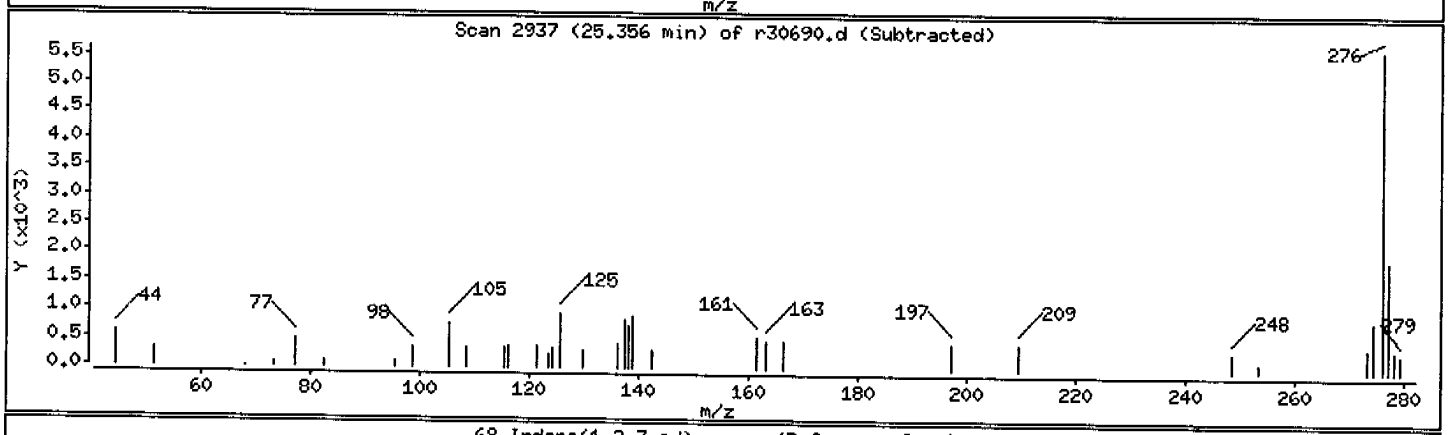
Column phase: DB-5

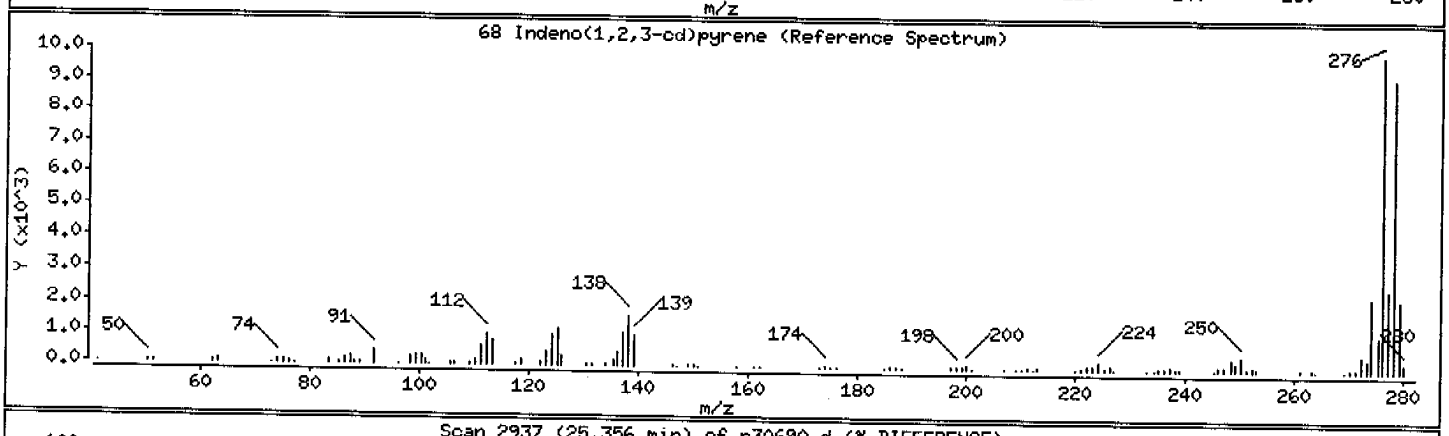
Column diameter: 0.25

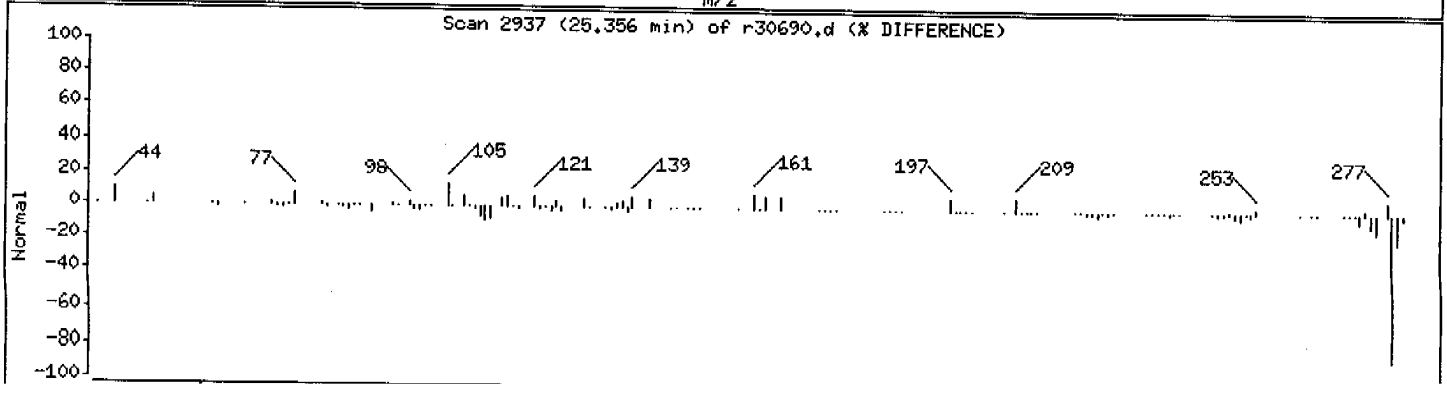
68 Indeno(1,2,3-cd)pyrene

Concentration: 64 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

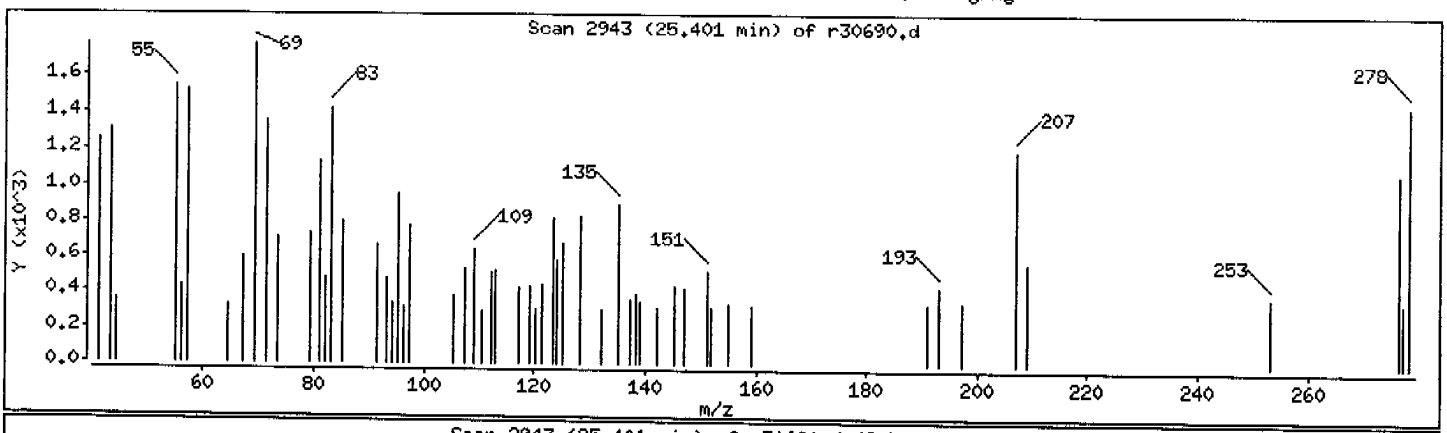
Client ID: B1408-SS02 Instrument: BNAMS1.i

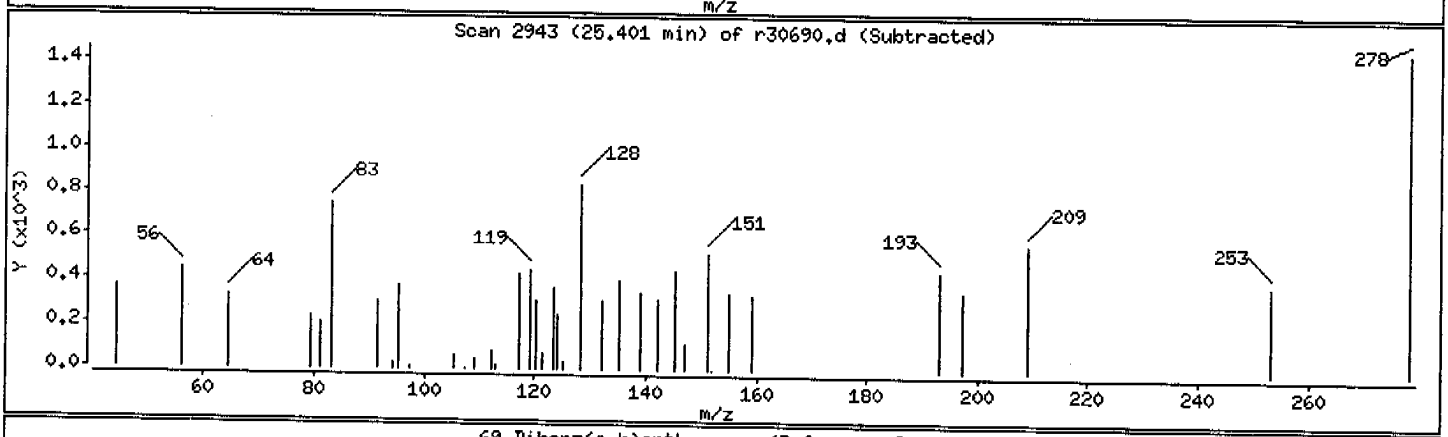
Sample Info: 775282;3281074

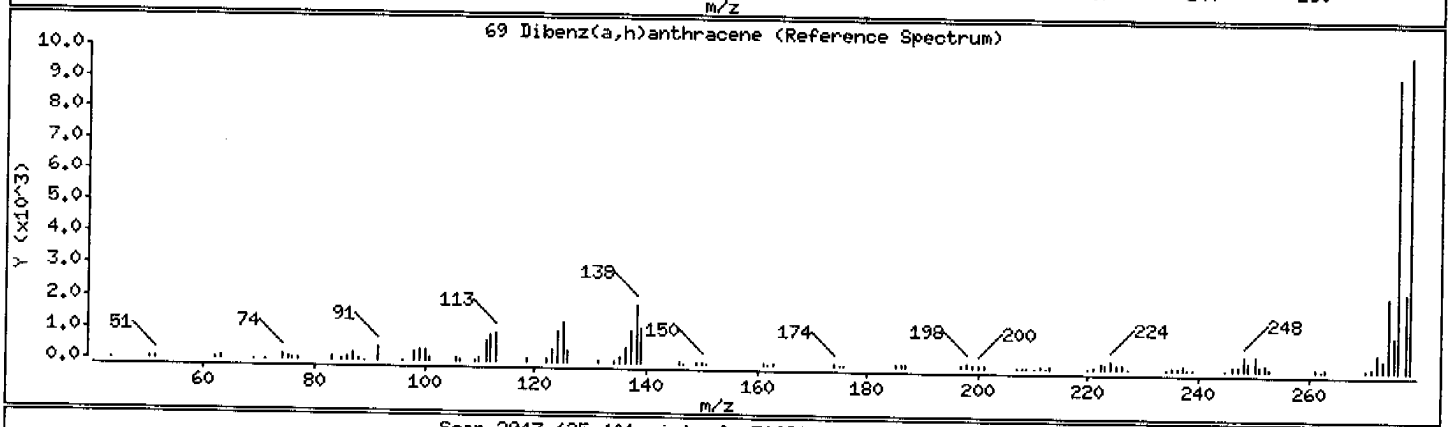
Operator: BNAMS 4

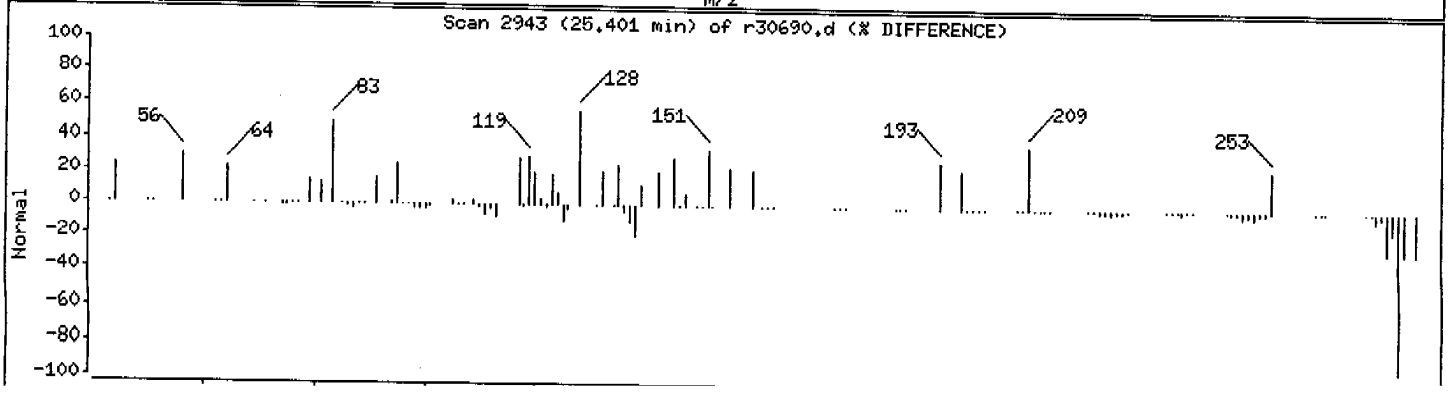
Column phase: DB-5 Column diameter: 0.25

69 Dibenz(a,h)anthracene Concentration: 17 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

Sample Info: 775282;3281074

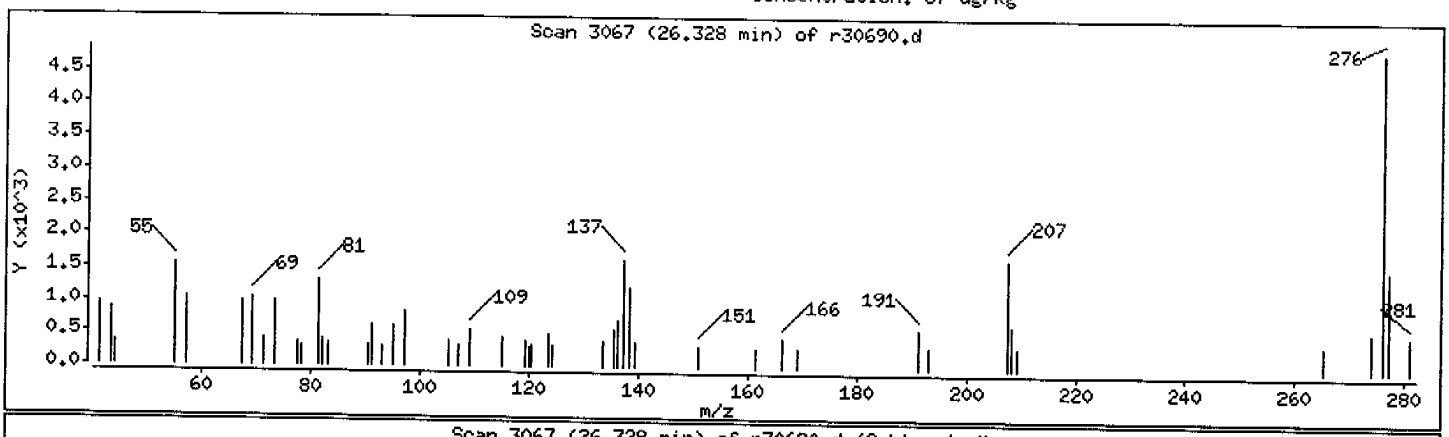
Operator: BNAMS 4

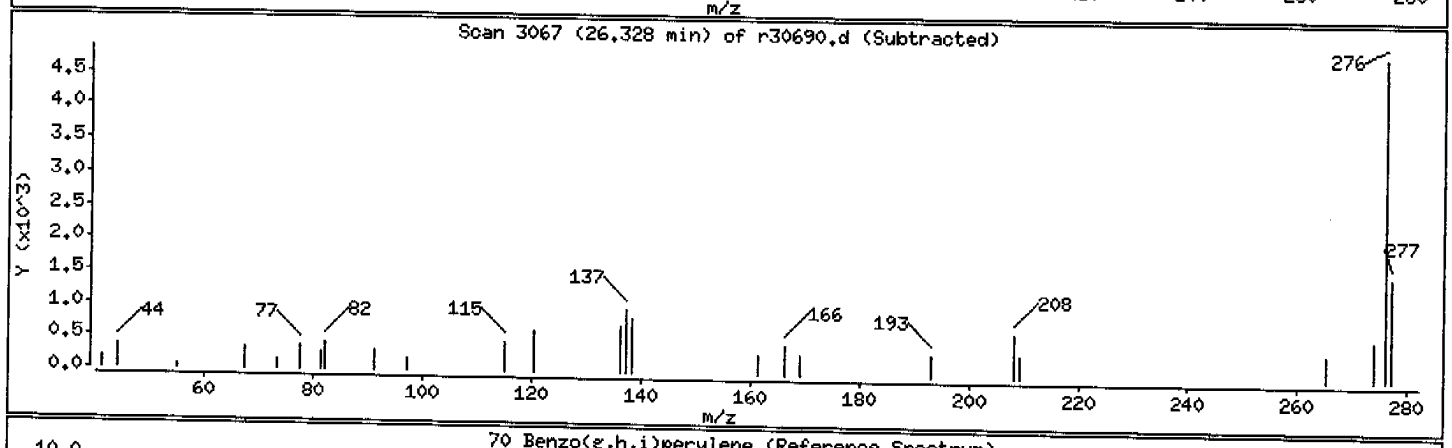
Column phase: DB-5

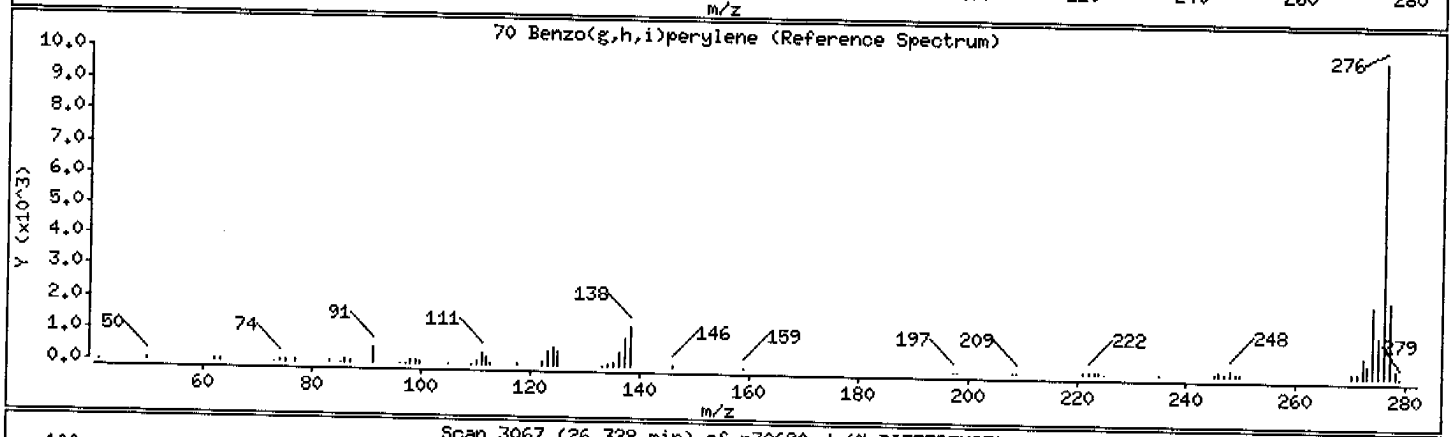
Column diameter: 0.25

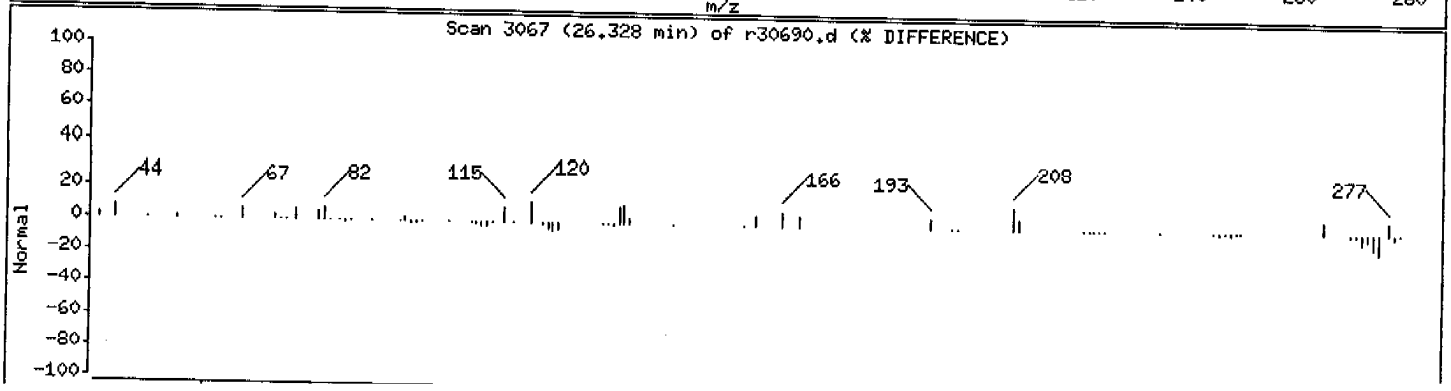
70 Benzo(g,h,i)perylene

Concentration: 57 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

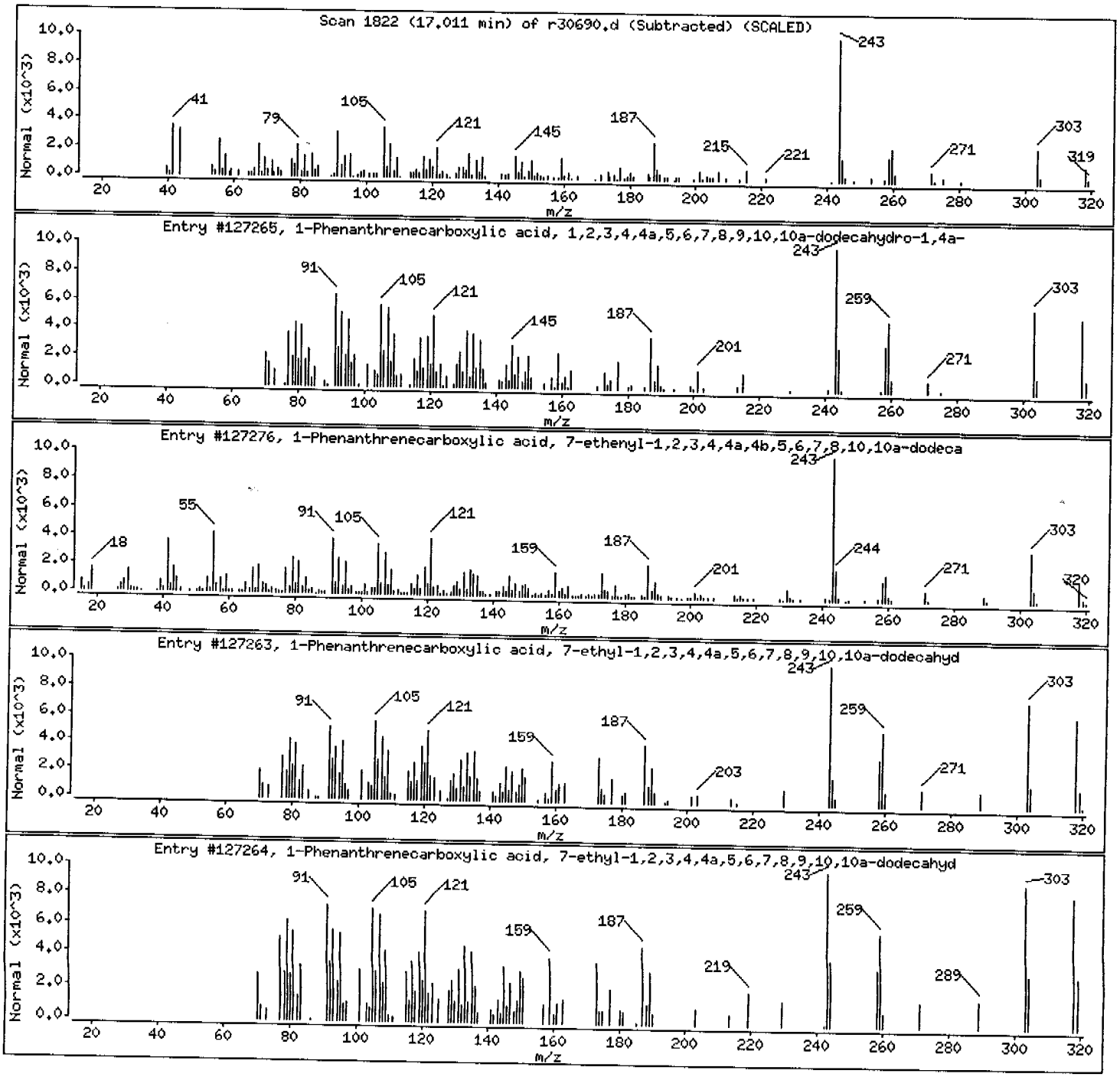
Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Organic Acid						
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	33892-15-8	NIST02.l	127265	95	C21H3402	318
1-Phenanthrenecarboxylic acid, 7-ethenyl	72088-13-2	NIST02.l	127276	94	C21H3402	318
1-Phenanthrenecarboxylic acid, 7-ethyl-1	33952-78-2	NIST02.l	127263	89	C21H3402	318
1-Phenanthrenecarboxylic acid, 7-ethyl-1	3582-25-0	NIST02.l	127264	86	C21H3402	318



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

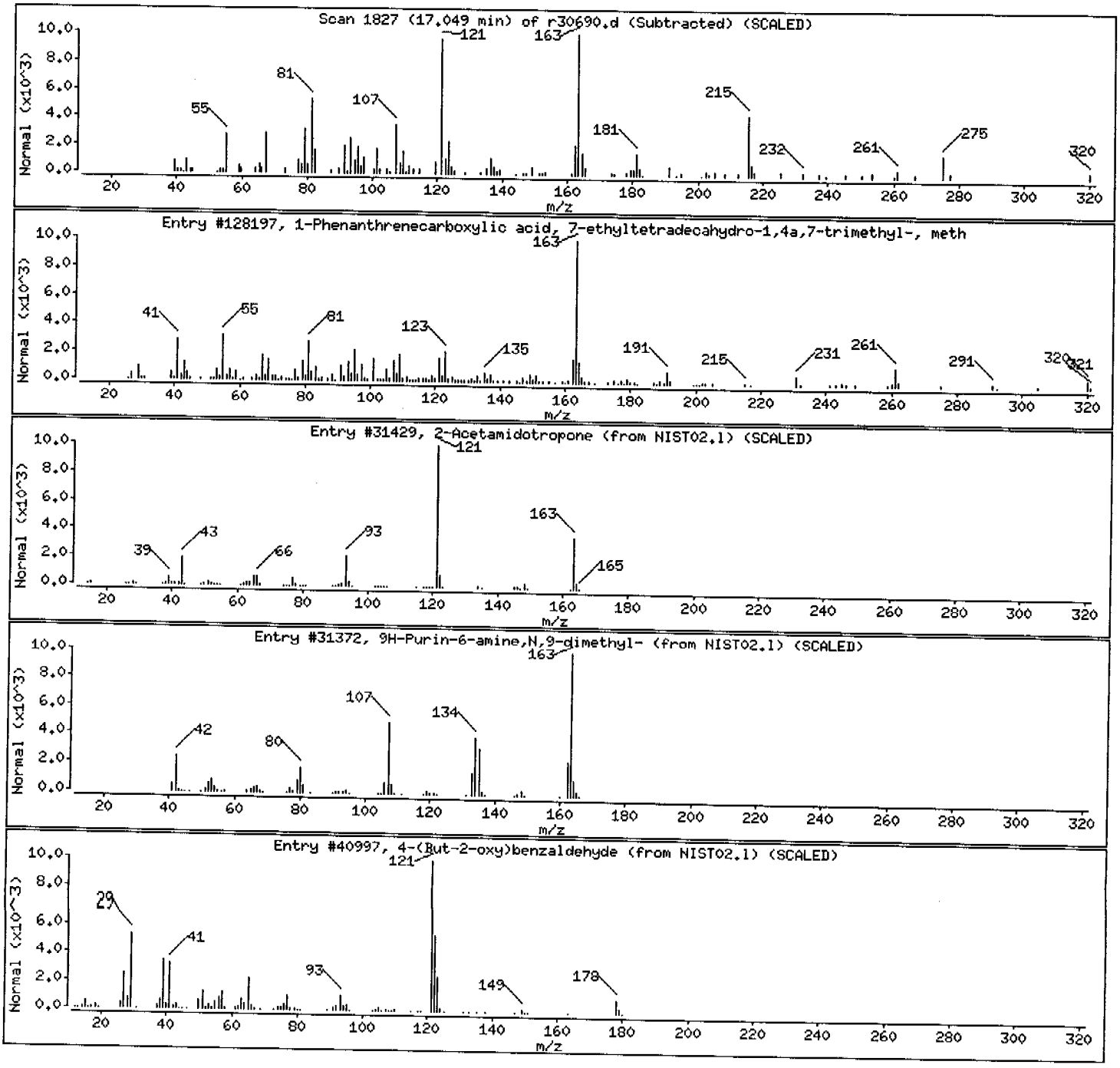
Client ID: B1408-SS02 Instrument: BNAMS1.i

Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Phenanthrenecarboxylic acid, 7-ethylte	4614-69-1	NIST02.l	128197	46	C21H3602	320
2-Acetamidotropone	6422-12-4	NIST02.l	31429	38	C9H9N02	163
9H-Purin-6-amine,N,9-dimethyl-	2009-52-1	NIST02.l	31372	30	C7H9N5	163
4-(But-2-oxy)benzaldehyde	104174-29-0	NIST02.l	40997	22	C11H1402	178



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

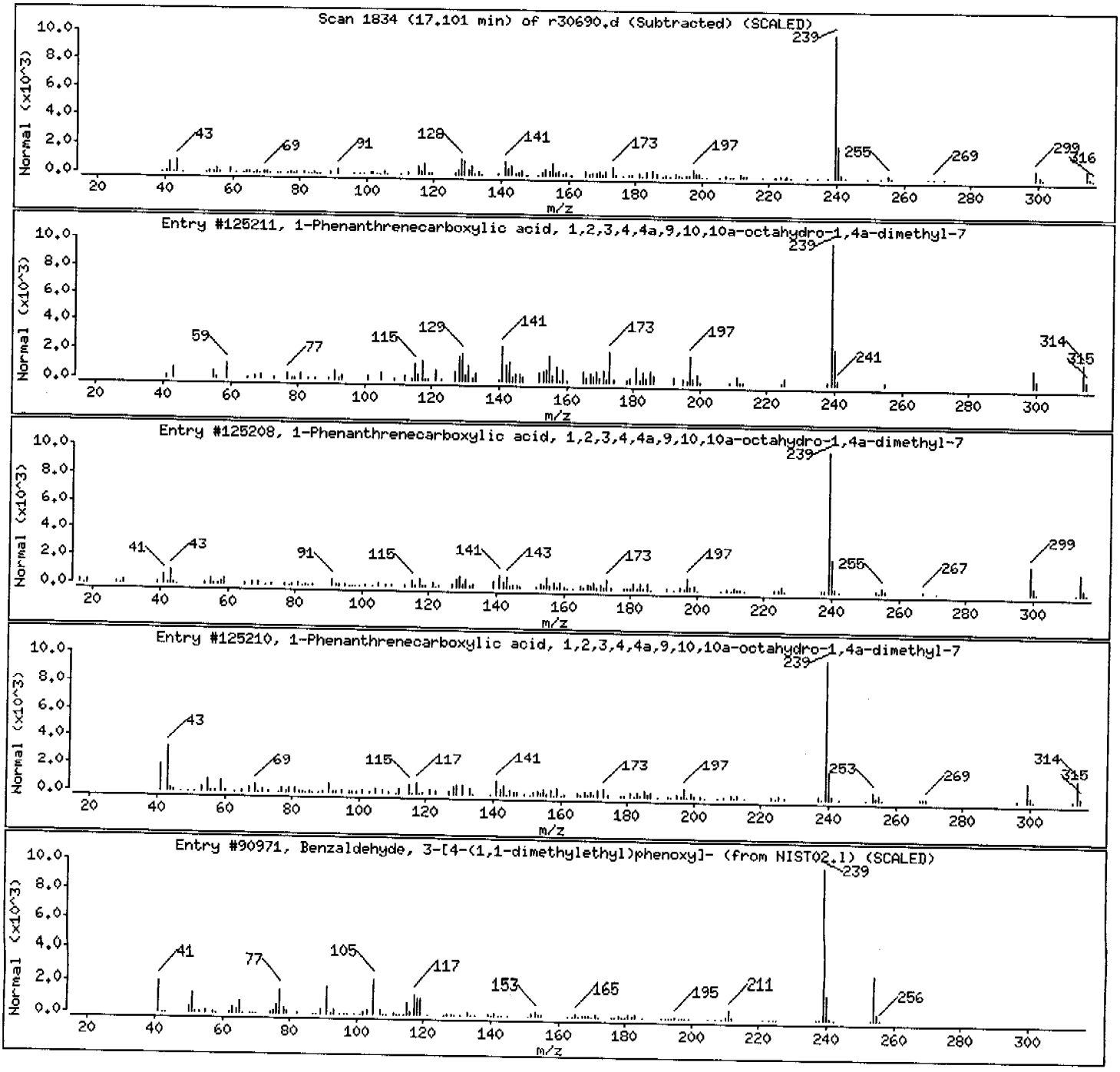
Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1235-74-1	NIST02.l	125211	84	C21H3002	314
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1235-74-1	NIST02.l	125208	76	C21H3002	314
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1235-74-1	NIST02.l	125210	68	C21H3002	314
Benzaldehyde, 3-[4-(1,1-dimethylethyl)ph	69770-23-6	NIST02.l	90971	42	C17H1802	254



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Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

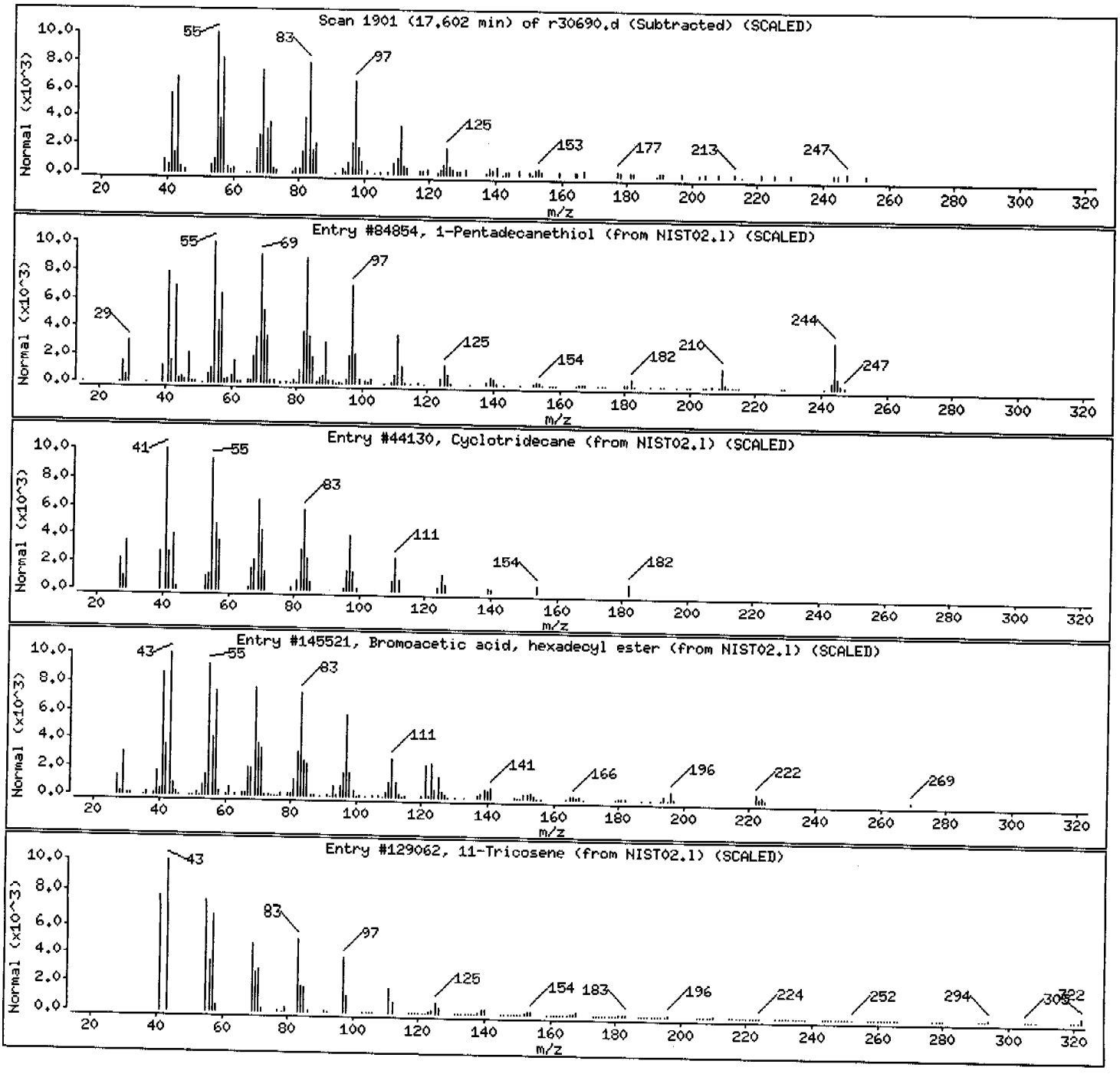
Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Pentadecanethiol	25276-70-4	NIST02.l	84854	91	C15H32S	244
Cyclotridecane	295-02-3	NIST02.l	44130	86	C13H26	182
Bromoacetic acid, hexadecyl ester	5454-48-8	NIST02.l	145521	86	C18H35BrO2	362
11-Tricosene	52078-56-5	NIST02.l	129062	72	C23H46	322



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Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

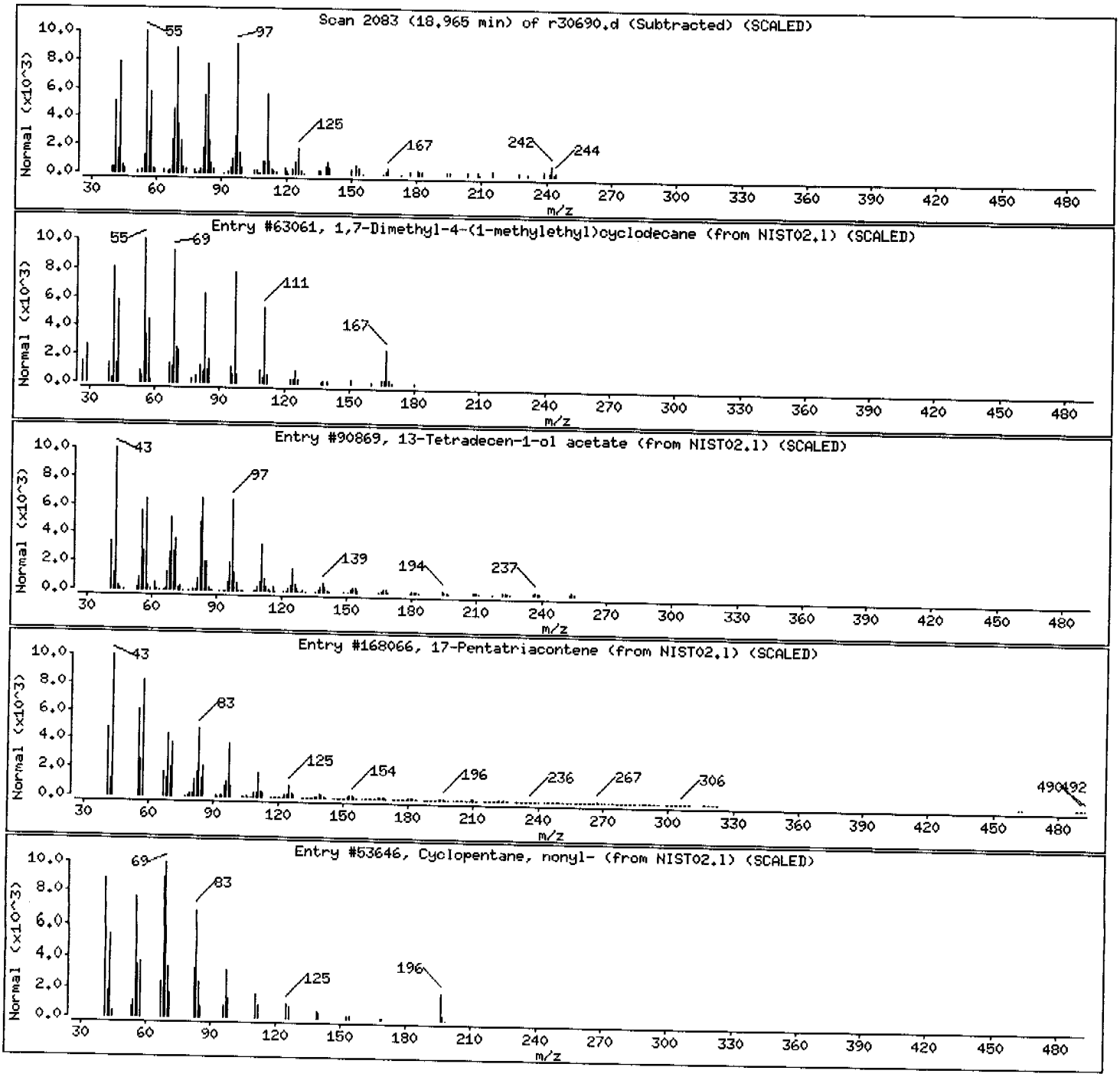
Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,7-Dimethyl-4-(1-methylethyl)cyclodecan	645-10-3	NIST02.1	63061	58	C15H30	210
13-Tetradecen-1-ol acetate	56221-91-1	NIST02.1	90869	58	C16H30O2	254
17-Pentatriacontene	6971-40-0	NIST02.1	168066	53	C35H70	491
Cyclopentane, nonyl-	2882-98-6	NIST02.1	53646	49	C14H28	196



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

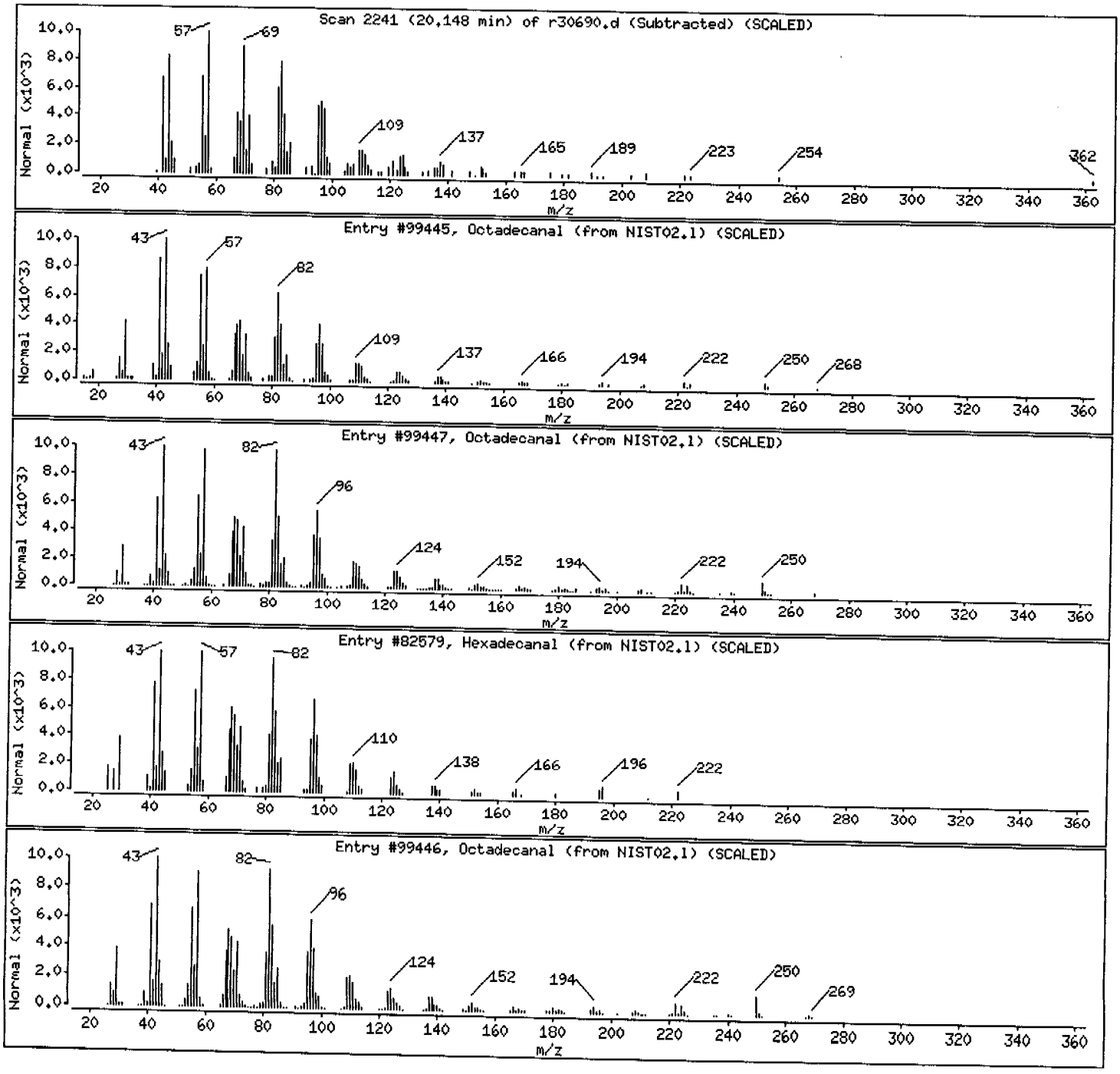
Client ID: B1408-SS02 Instrument: BNAMS1.i

Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanal	638-66-4	NIST02.1	99445	70	C18H36O	268
Octadecanal	638-66-4	NIST02.1	99447	70	C18H36O	268
Hexadecanal	629-80-1	NIST02.1	82579	64	C16H32O	240
Octadecanal	638-66-4	NIST02.1	99446	60	C18H36O	268



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

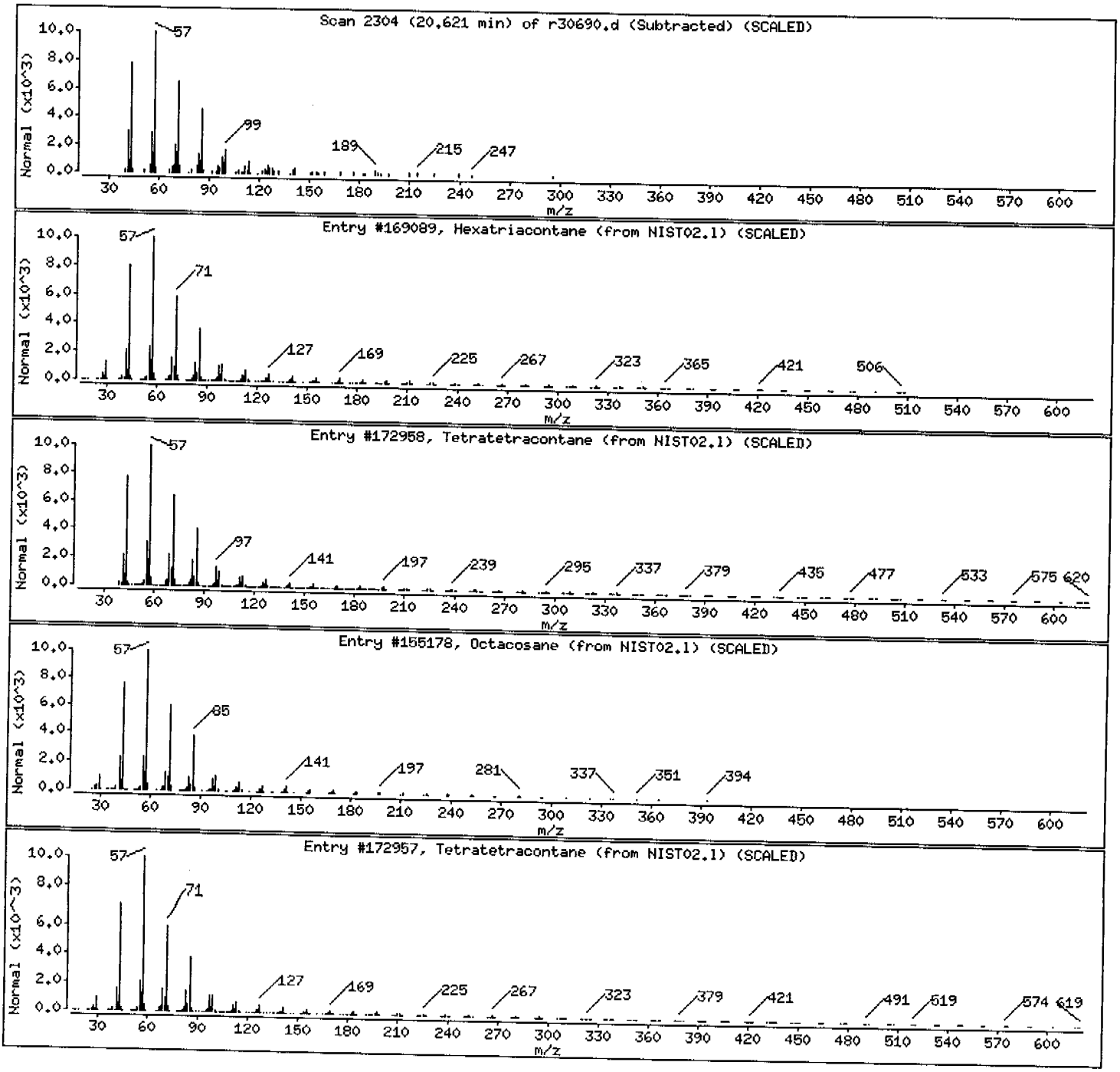
Client ID: B1408-SS02 Instrument: BNAMS1.i

Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexatriacontane	630-06-8	NIST02.1	169089	91	C36H74	507
Tetratetracontane	7098-22-8	NIST02.1	172958	91	C44H90	619
Octacosane	630-02-4	NIST02.1	155178	91	C28H58	394
Tetratetracontane	7098-22-8	NIST02.1	172957	90	C44H90	619



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

Client ID: B1408-SS02

Instrument: BNAMS1.i

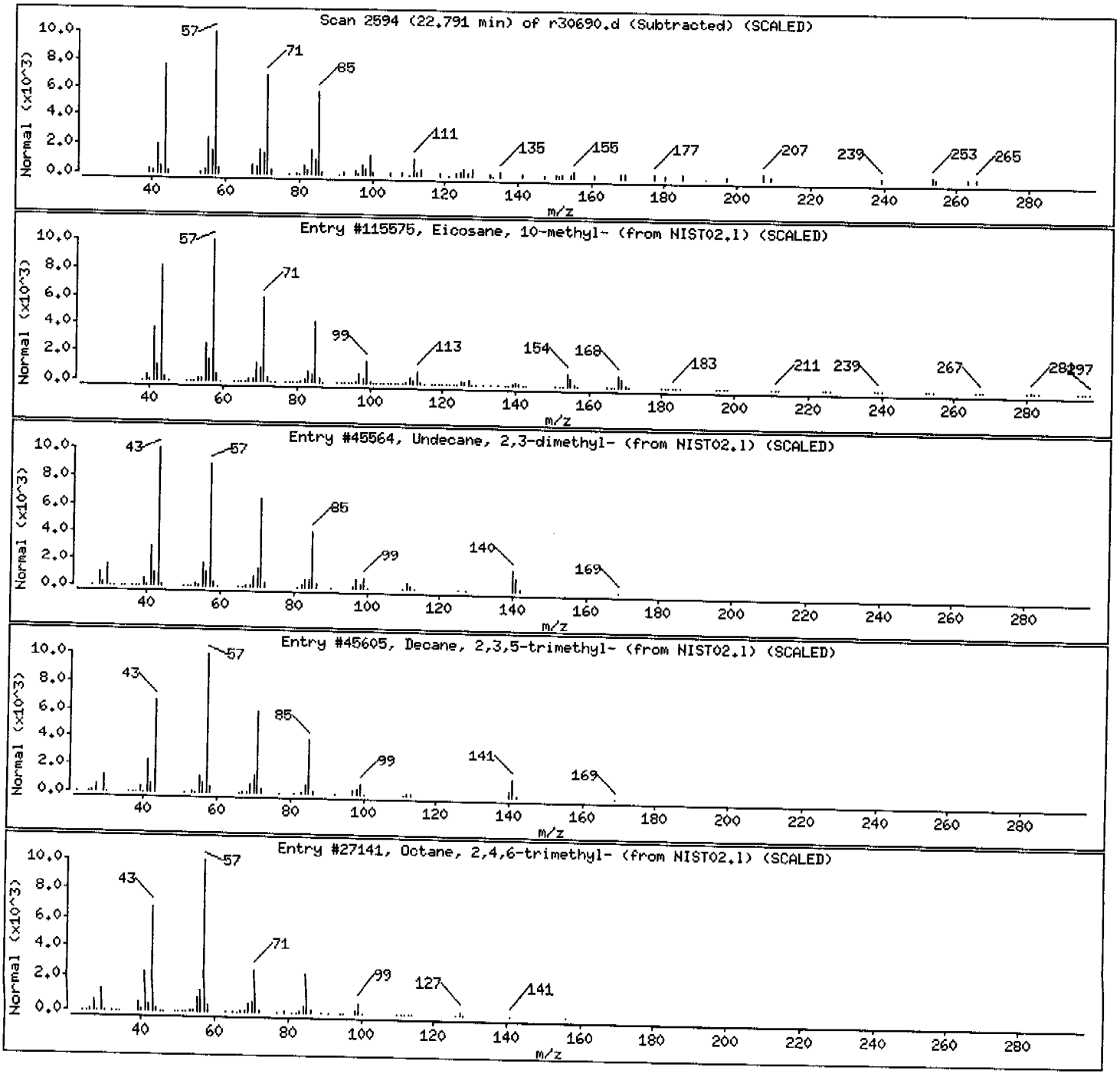
Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane, 10-methyl-	54833-23-7	NIST02.l	115575	80	C21H44	296
Undecane, 2,3-dimethyl-	17312-77-5	NIST02.l	45564	72	C13H28	184
Decane, 2,3,5-trimethyl-	62238-11-3	NIST02.l	45605	72	C13H28	184
Octane, 2,4,6-trimethyl-	62016-37-9	NIST02.l	27141	72	C11H24	156



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

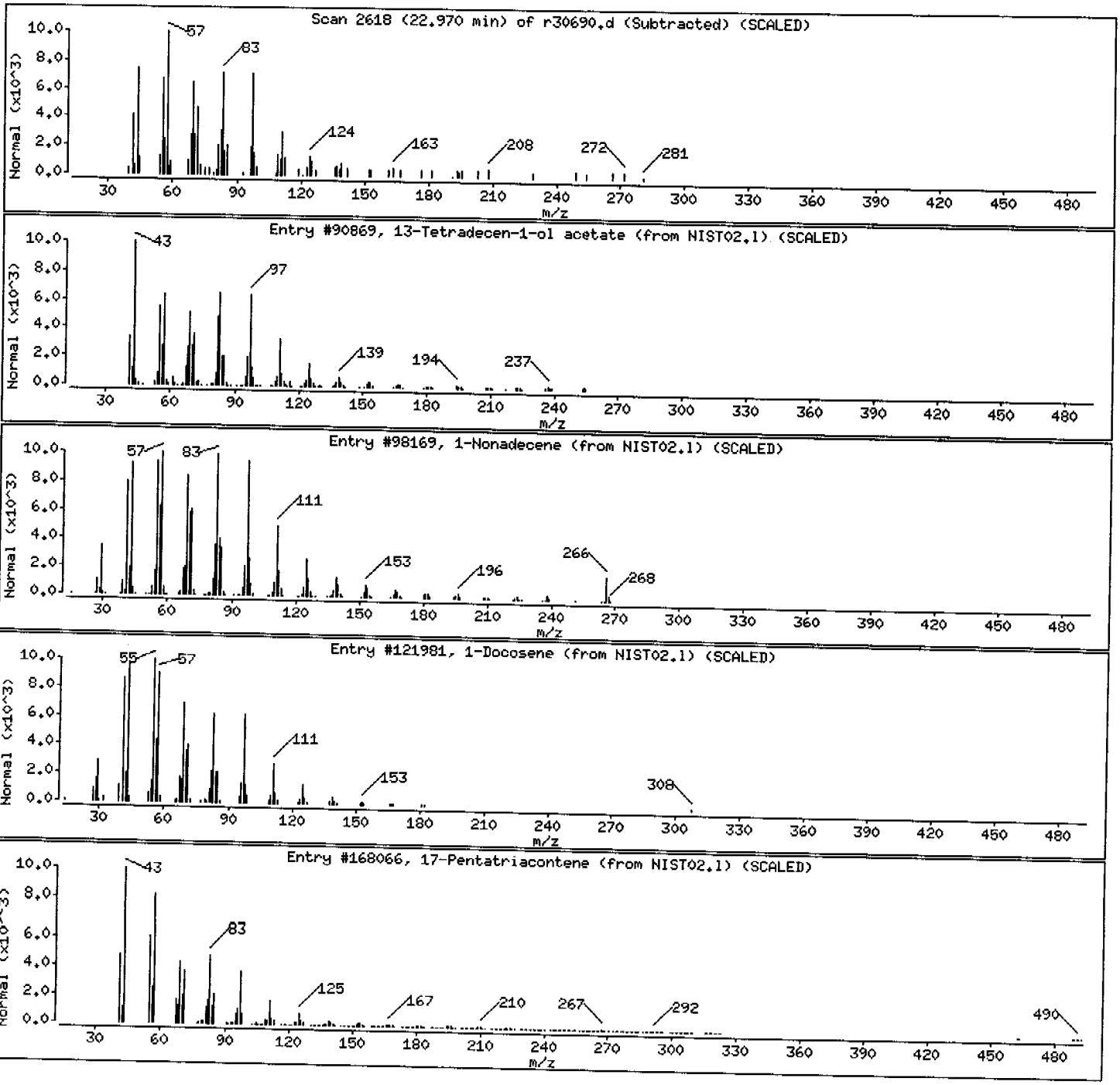
Client ID: B1408-SS02 Instrument: BNAMS1.i

Sample Info: 775282:3281074

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
13-Tetradecen-1-ol acetate	56221-91-1	NIST02.1	90869	90	C16H3002	254
1-Nonadecene	18435-45-5	NIST02.1	98169	83	C19H38	266
1-Docosene	1599-67-3	NIST02.1	121981	72	C22H44	308
17-Pentatriacontene	6971-40-0	NIST02.1	168066	72	C35H70	491



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30690.d

Date : 06-OCT-2006 12:10

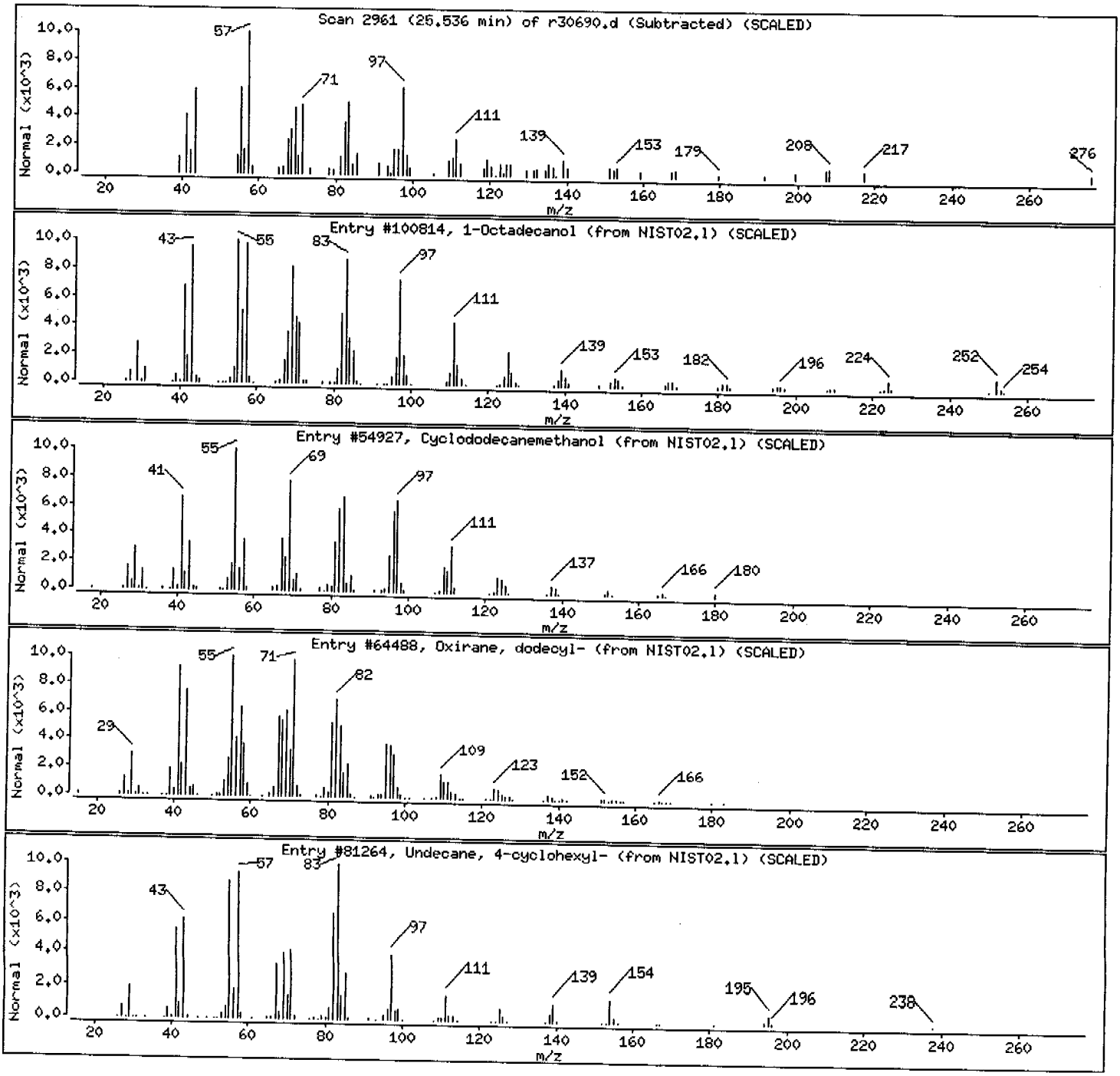
Client ID: B1408-SS02 Instrument: BNAMS1.i

Sample Info: 775282;3281074

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Octadecanol	112-92-5	NIST02.l	100814	52	C18H38O	270
Cyclododecanemethanol	1892-12-2	NIST02.l	54927	47	C13H26O	198
Oxirane, dodecyl-	3234-28-4	NIST02.l	64488	38	C14H28O	212
Undecane, 4-cyclohexyl-	13151-79-6	NIST02.l	81264	38	C17H34	238



Job No. X924 – Environ Corporation, Inc. – Sun Chemcial SI

VOLUME 2

GC/MS Forms and Data (Semivolatiles) - Continued

GC Forms and Data

Metals Forms and Data

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample No: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30696.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	37 J	400
4-Chloroaniline	ND	400
Hexachlorobutadiene	ND	80
2-Methylnaphthalene	16 J	400
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
2-Nitroaniline	ND	800
Dimethylphthalate	ND	400
Acenaphthylene	24 J	400
2,6-Dinitrotoluene	ND	80
3-Nitroaniline	ND	800
Acenaphthene	16 J	400
Dibenzofuran	ND	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	9.4J	400
4-Nitroaniline	ND	800
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	81 J	400
Anthracene	21 J	400

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample No: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30696.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	15 J	400
Di-n-butylphthalate	ND	400
Fluoranthene	210 J	400
Pyrene	200 J	400
Butylbenzylphthalate	ND	400
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	120	40
Chrysene	150 J	400
bis(2-Ethylhexyl)phthalate	210 J	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	ND	40
Benzo(k)fluoranthene	ND	40
Benzo(a)pyrene	140	40
Indeno(1,2,3-cd)pyrene	61	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	64 J	400

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample No: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30696.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	15.84	620	
2. Unknown	16.59	430	
3. Unknown	16.90	760	
4. Unknown	17.01	860	
5. Unknown	17.05	1200	
6. Unknown	17.10	2200	
7. Unknown	17.17	330	
8. Unknown	17.59	550	
9. Unknown	18.96	730	
10. Unknown	20.14	820	
11. Unknown Alkane	20.62	490	
12. Unknown	20.72	2200	
13. Unknown Alkane	22.79	520	
14. Unknown	22.97	400	
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 12110

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d
Lab Smp Id: 775283 Client Smp ID: B1408-SS02D
Inj Date : 06-OCT-2006 15:57
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775283;3281091
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50 Compound Sublist: HSLBN+AEsur.sub

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	16.60000	% Moisture

Cpnd Variable Local Compound Variable

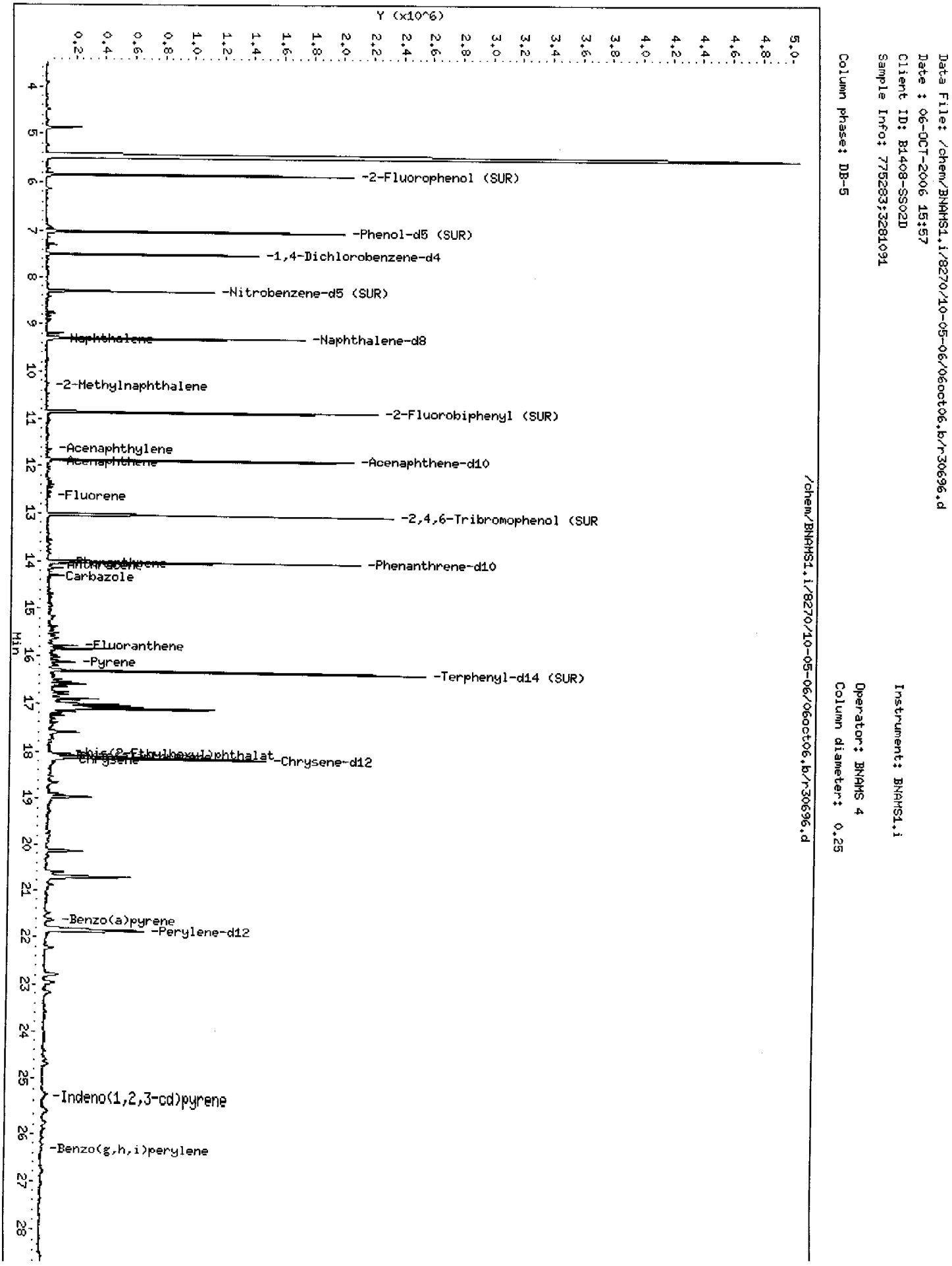
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.848	5.826	(0.779)	806223	74.0126	5900
$ 17 Phenol-d5 (SUR)	99	7.019	7.012	(0.935)	1069252	78.9640	6300
* 79 1,4-Dichlorobenzene-d4	152	7.509	7.499	(1.000)	290856	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.307	8.302	(0.893)	463007	39.2301	3100
* 80 Naphthalene-d8	136	9.307	9.293	(1.000)	1151445	40.0000	
31 Naphthalene	128	9.329	9.330	(1.002)	13429	0.46661	37(a)
34 2-Methylnaphthalene	142	10.311	10.304	(1.108)	4046	0.20101	16(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.854	10.848	(0.915)	929002	40.8426	3300
39 Acenaphthylene	152	11.643	11.641	(0.981)	9429	0.29568	24(a)
* 82 Acenaphthene-d10	164	11.866	11.858	(1.000)	763499	40.0000	
42 Acenaphthene	154	11.910	11.910	(1.004)	4010	0.20689	16(a)
47 Fluorene	166	12.637	12.640	(1.065)	2881	0.11771	9.4(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	13.030	13.021	(1.098)	338781	80.6883	6400
* 83 Phenanthrene-d10	188	14.013	14.005	(1.000)	1118746	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	52 Phenanthrene	178	14.044	14.043	(1.002)	33519	1.01197	81(a)
	53 Anthracene	178	14.102	14.111	(1.006)	8907	0.26895	21(a)
	54 Carbazole	167	14.332	14.333	(1.023)	5846	0.18693	15(a)
	56 Fluoranthene	202	15.785	15.790	(1.126)	89848	2.64597	210(a)
	57 Pyrene	202	16.121	16.124	(0.889)	83830	2.47571	200(a)
$	78 Terphenyl-d14 (SUR)	244	16.312	16.302	(0.899)	1078420	46.4575	3700
	63 bis(2-Ethylhexyl)phthalate	149	18.054	18.048	(0.995)	74485	2.68696	210(a)
	61 Benzo(a)anthracene	228	18.085	18.093	(0.997)	45656	1.57083	120
*	81 Chrysene-d12	240	18.137	18.137	(1.000)	1056447	40.0000	
	62 Chrysene	228	18.182	18.190	(1.002)	50895	1.87910	150(a)
	67 Benzo(a)pyrene	252	21.637	21.672	(0.990)	41066	1.77692	140
*	84 Perylene-d12	264	21.847	21.844	(1.000)	720095	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.338	25.392	(1.160)	17531	0.76510	61
	70 Benzo(g,h,i)perylene	276	26.332	26.408	(1.205)	15976	0.80037	64(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).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Date : 06-OCT-2006 15:57
Client ID: B1408-SS02D
Sample Info: 775283;3281091
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

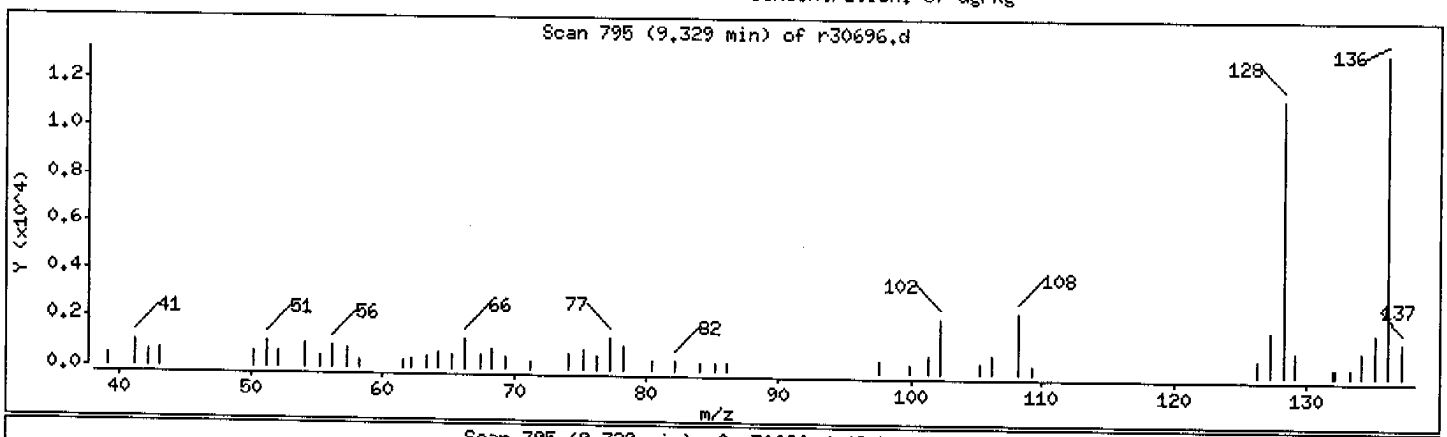
Operator: BNAMS 4

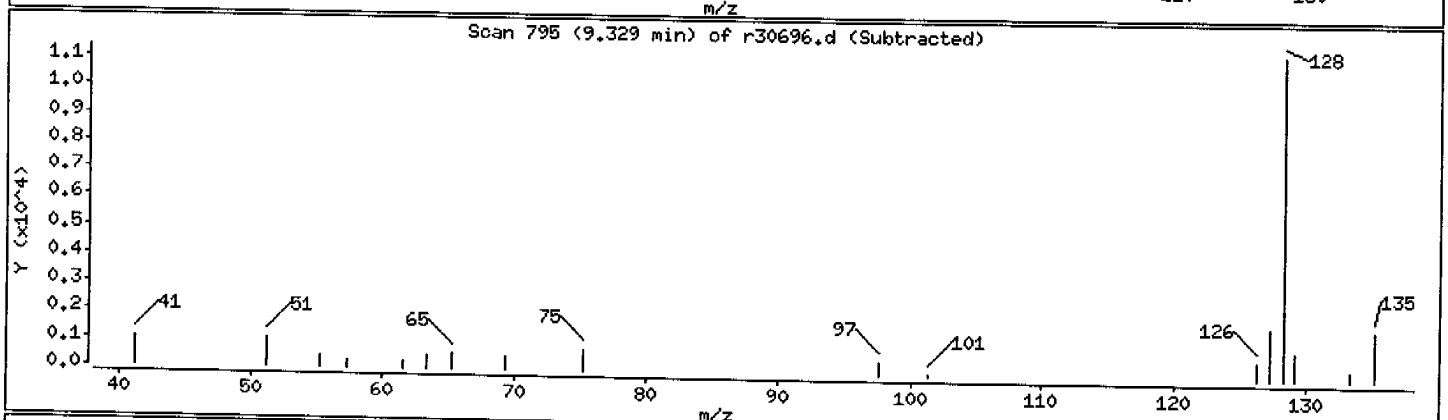
Column phase: DB-5

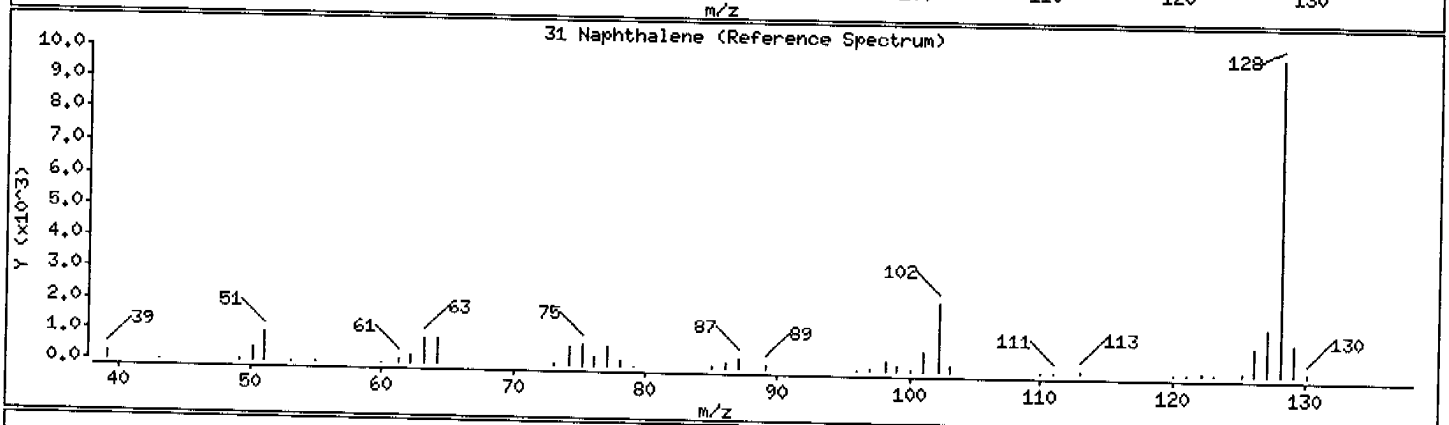
Column diameter: 0.25

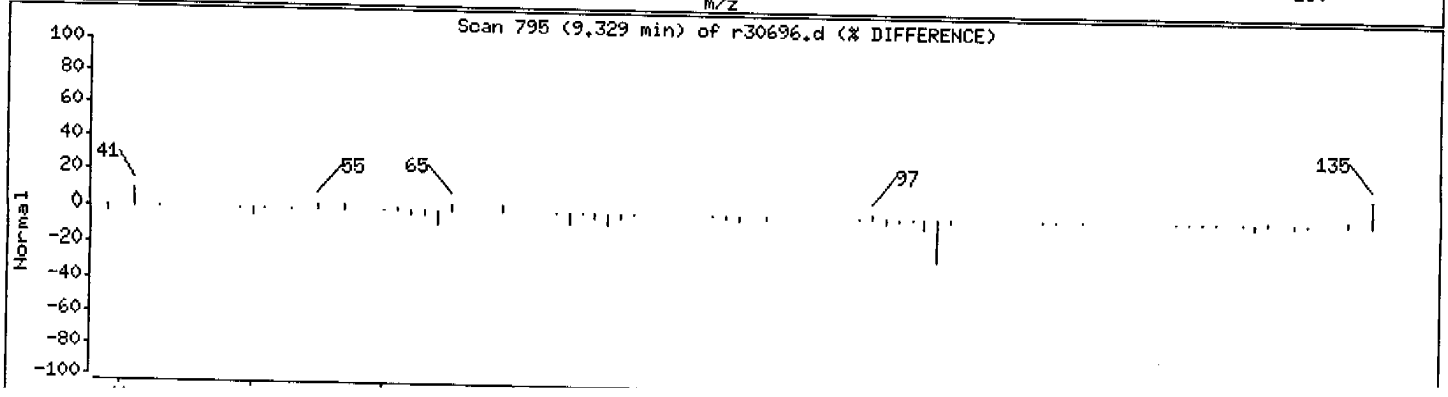
31 Naphthalene

Concentration: 37 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

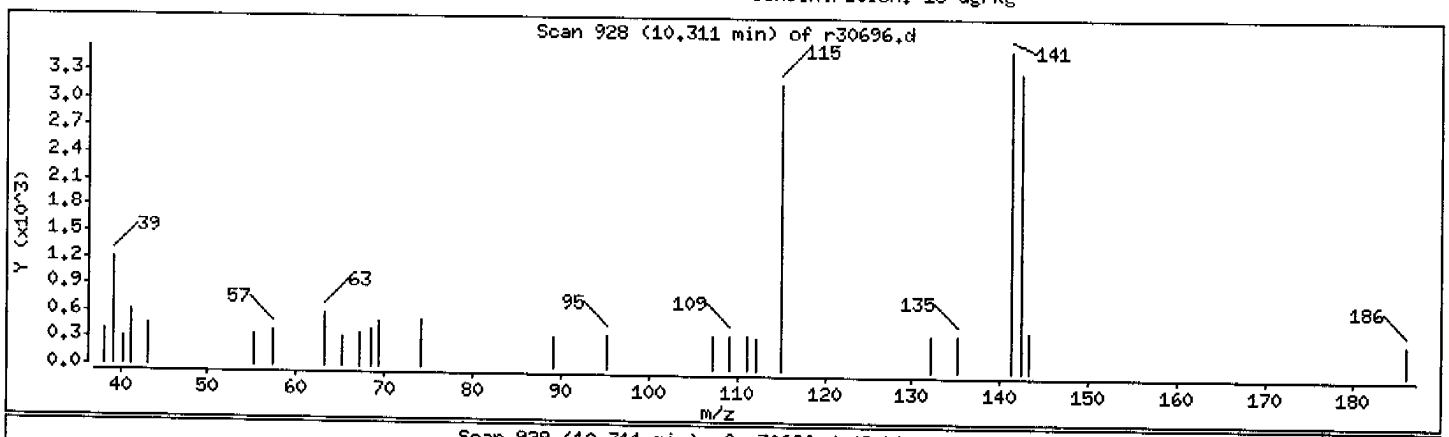
Operator: BNAMS 4

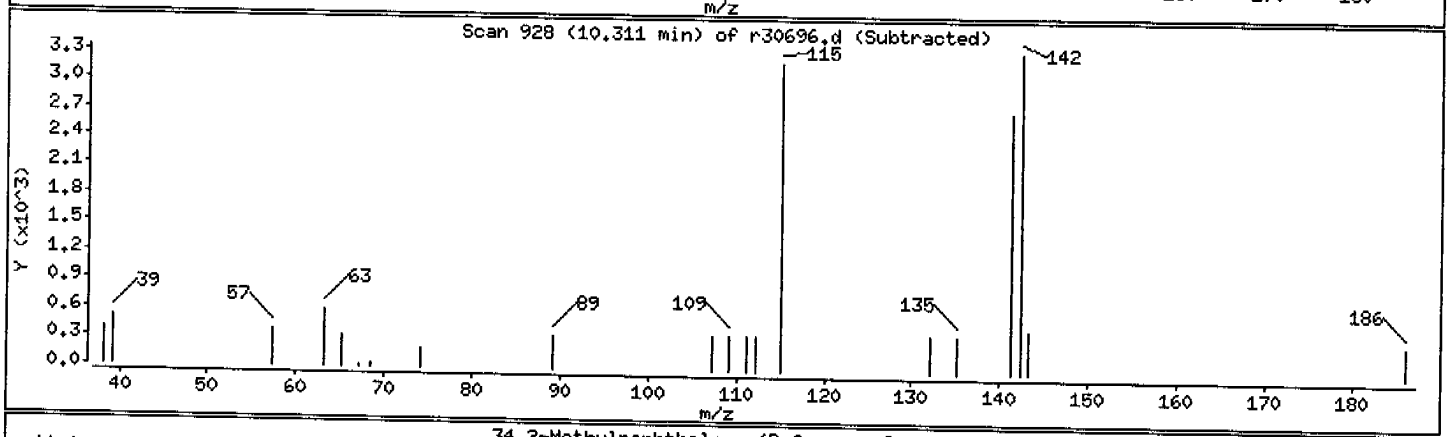
Column phase: DB-5

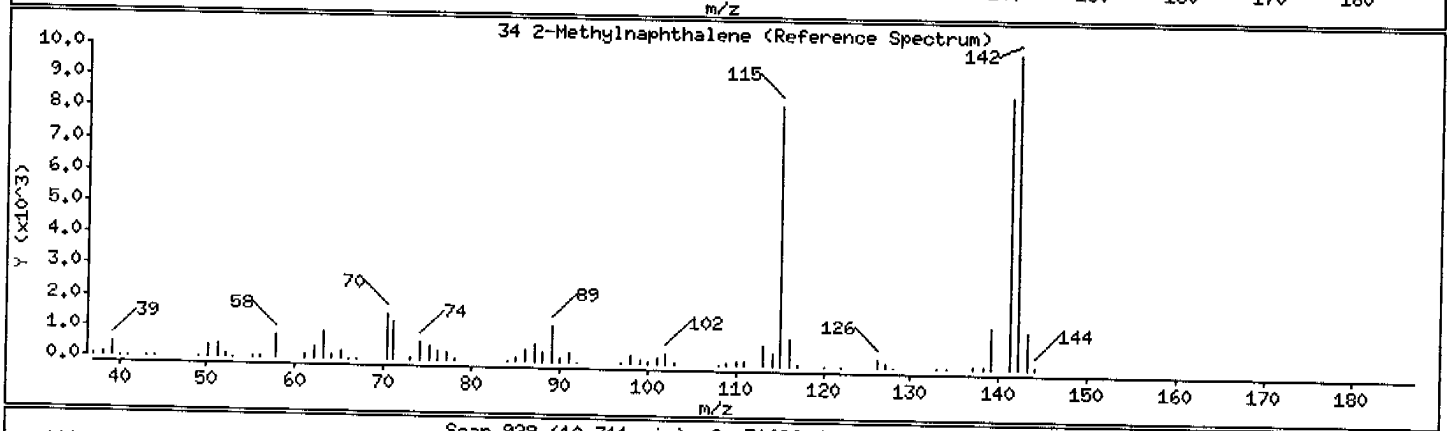
Column diameter: 0.25

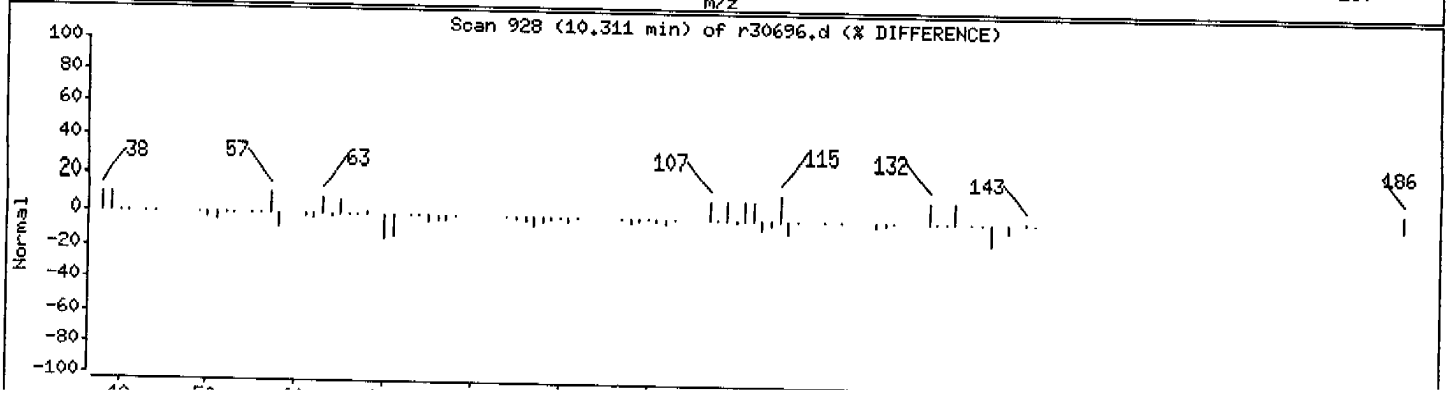
34 2-Methylnaphthalene

Concentration: 16 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

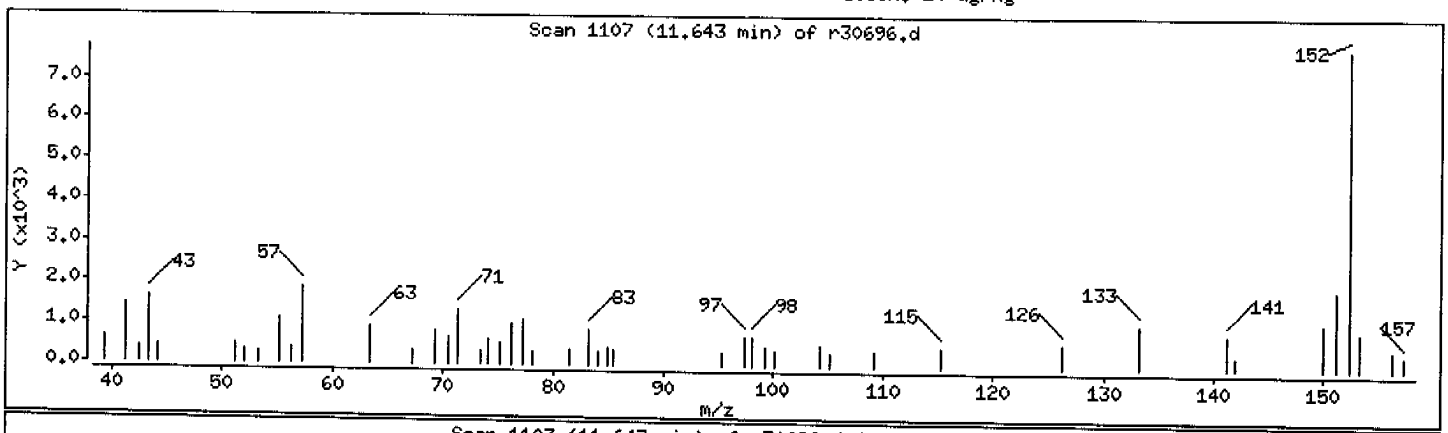
Operator: BNAMS 4

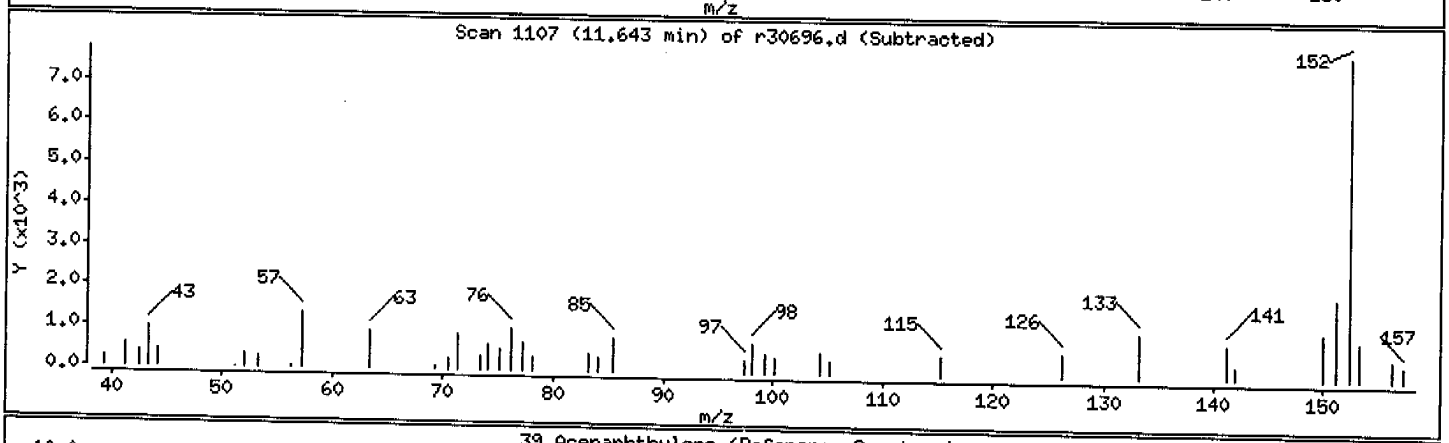
Column phase: DB-5

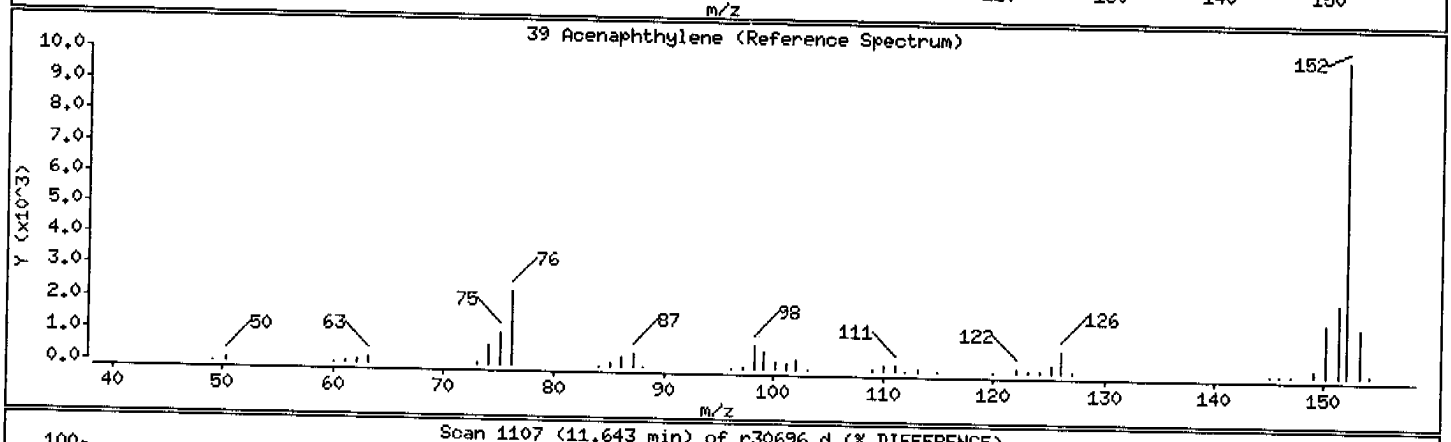
Column diameter: 0.25

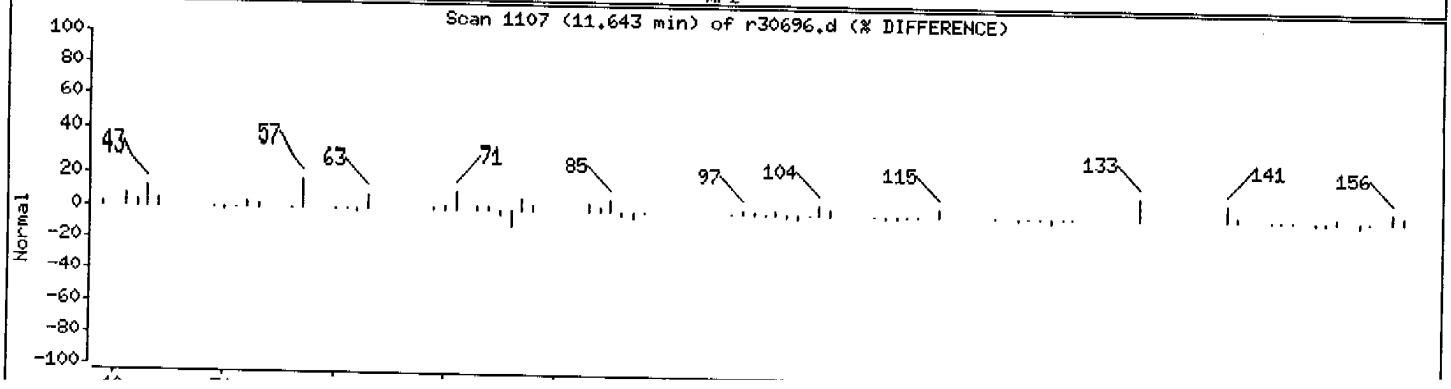
39 Acenaphthylene

Concentration: 24 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

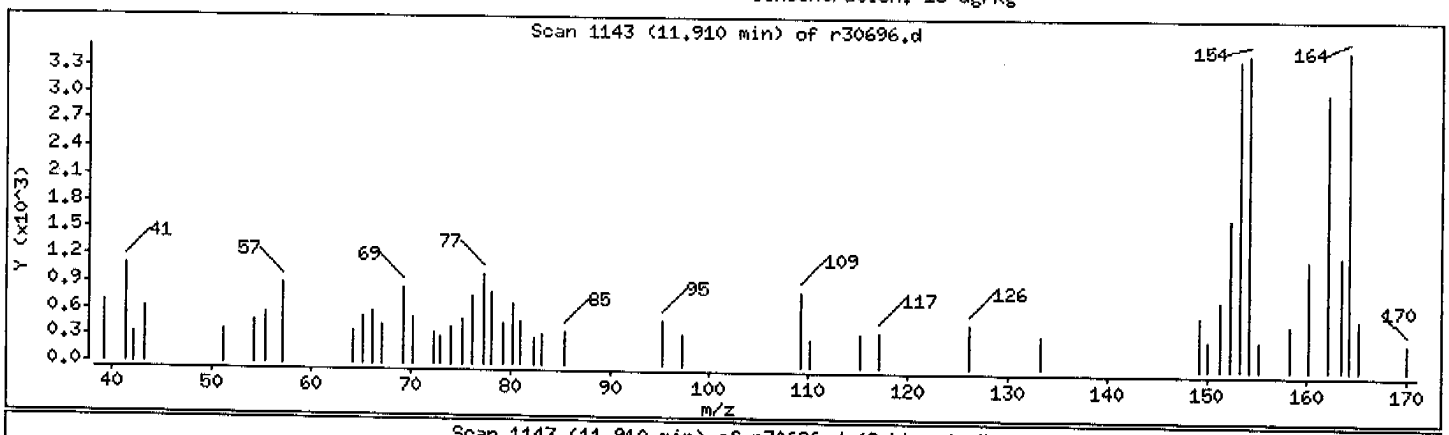
Operator: BNAMS 4

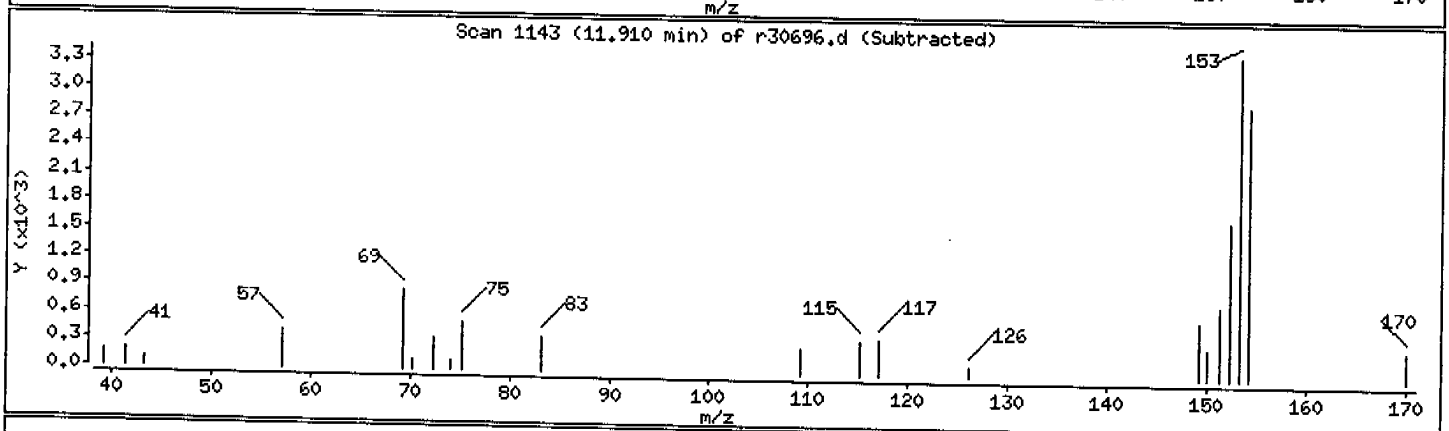
Column phase: DB-5

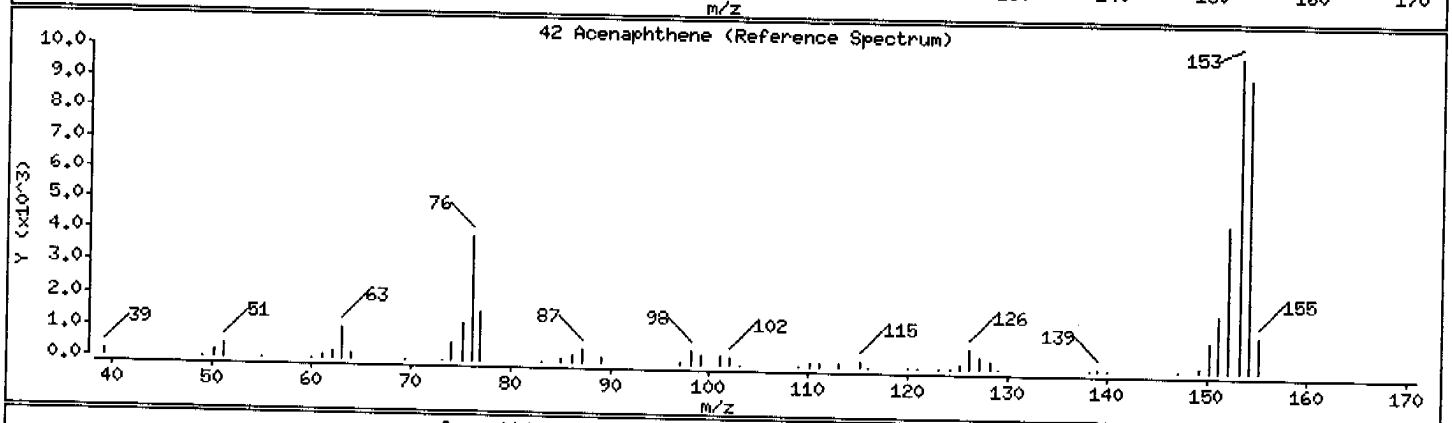
Column diameter: 0.25

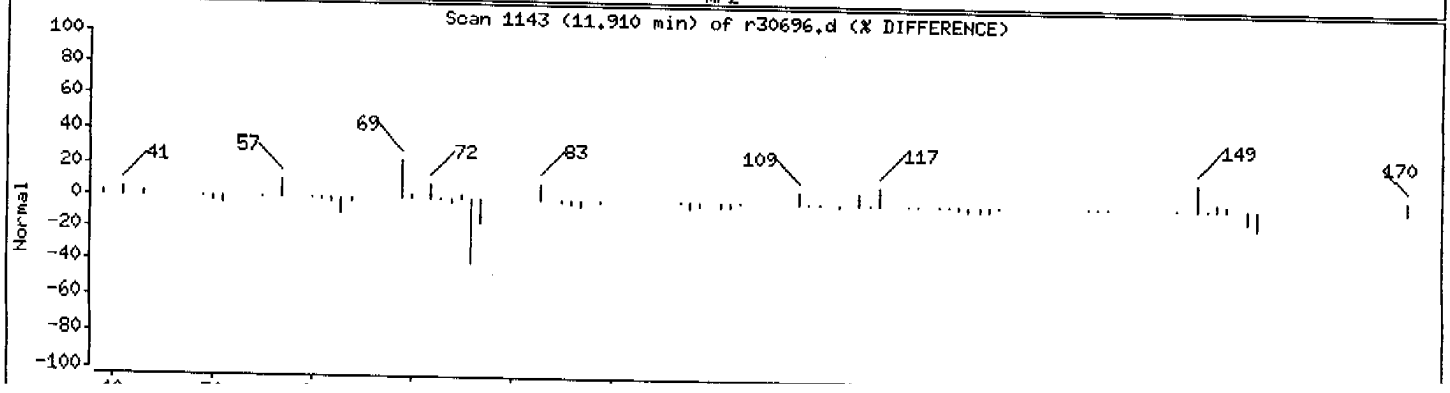
42 Acenaphthene

Concentration: 16 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

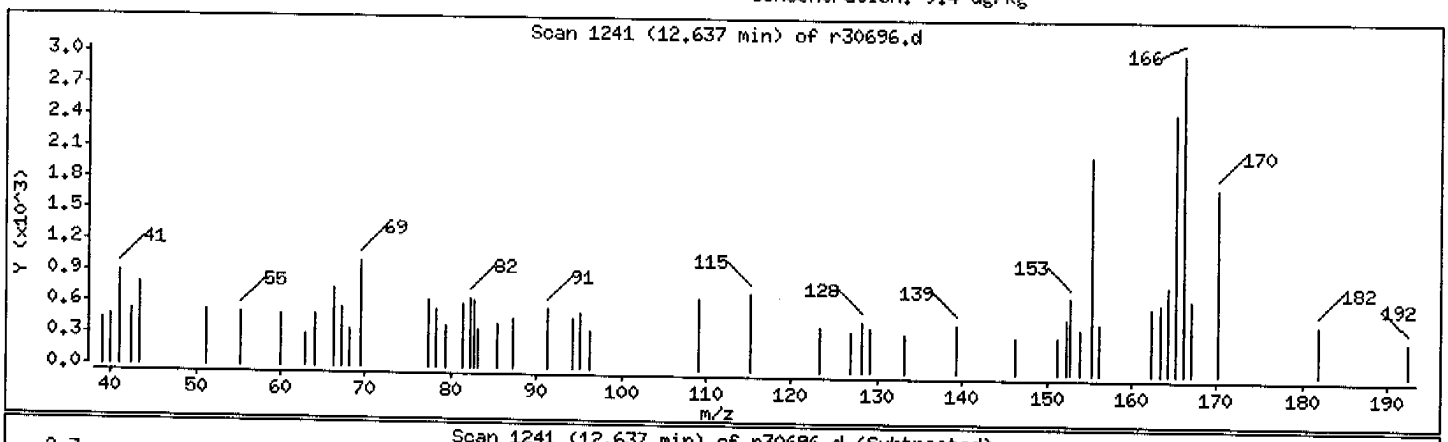
Operator: BNAMS 4

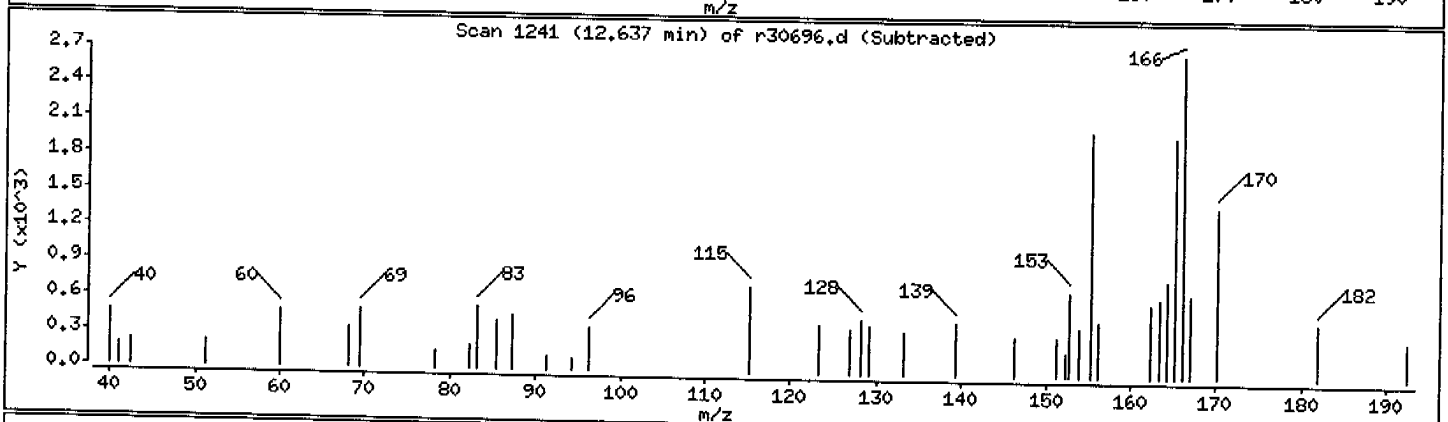
Column phase: DB-5

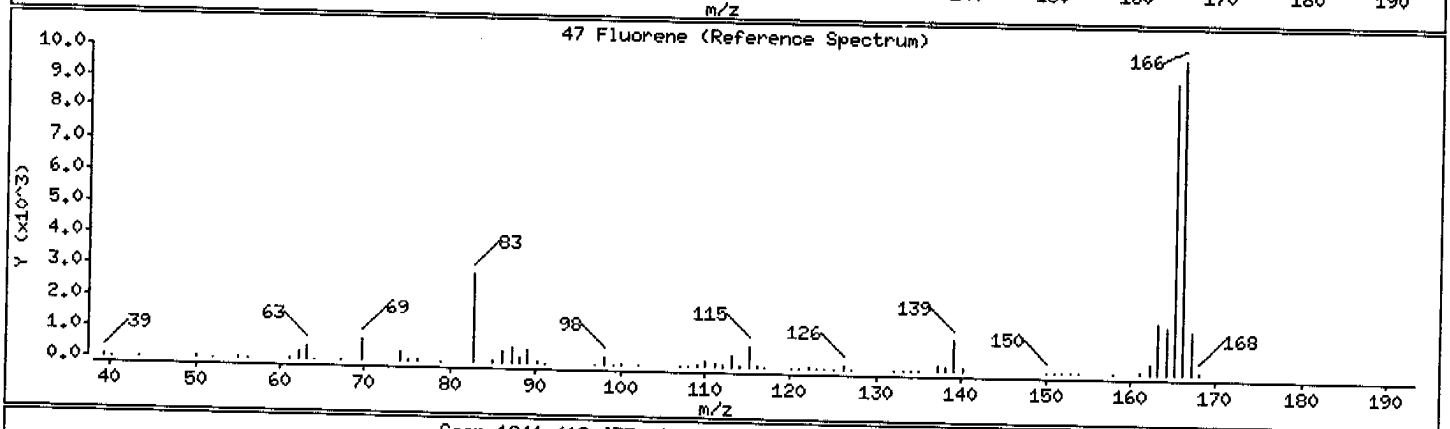
Column diameter: 0.25

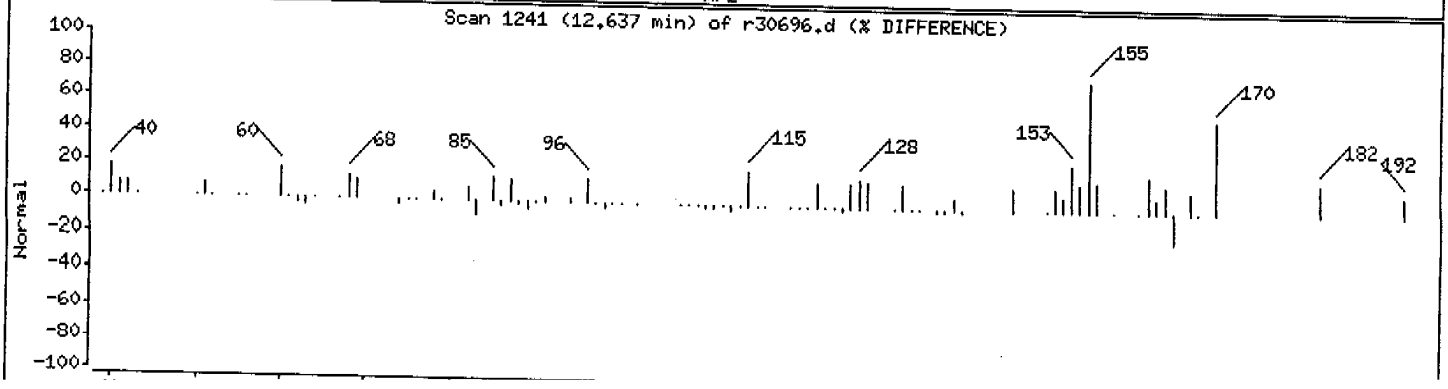
47 Fluorene

Concentration: 9.4 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

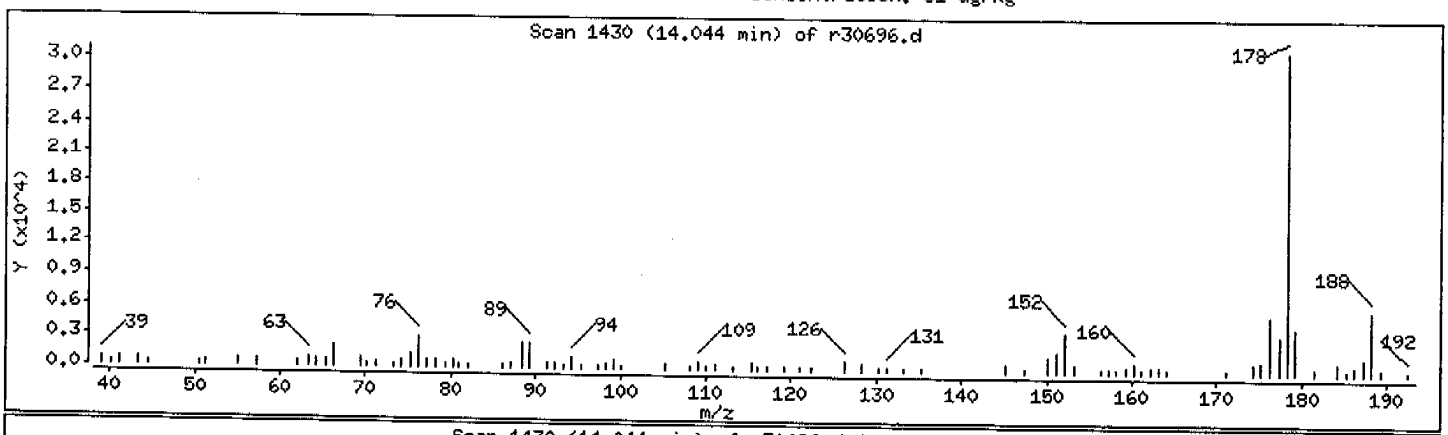
Operator: BNAMS 4

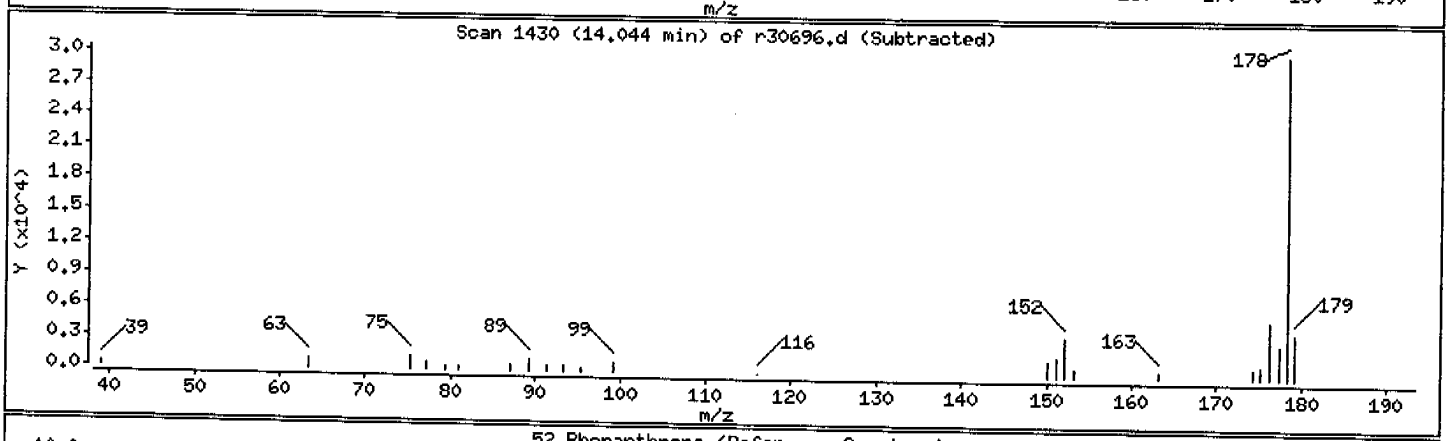
Column phase: DB-5

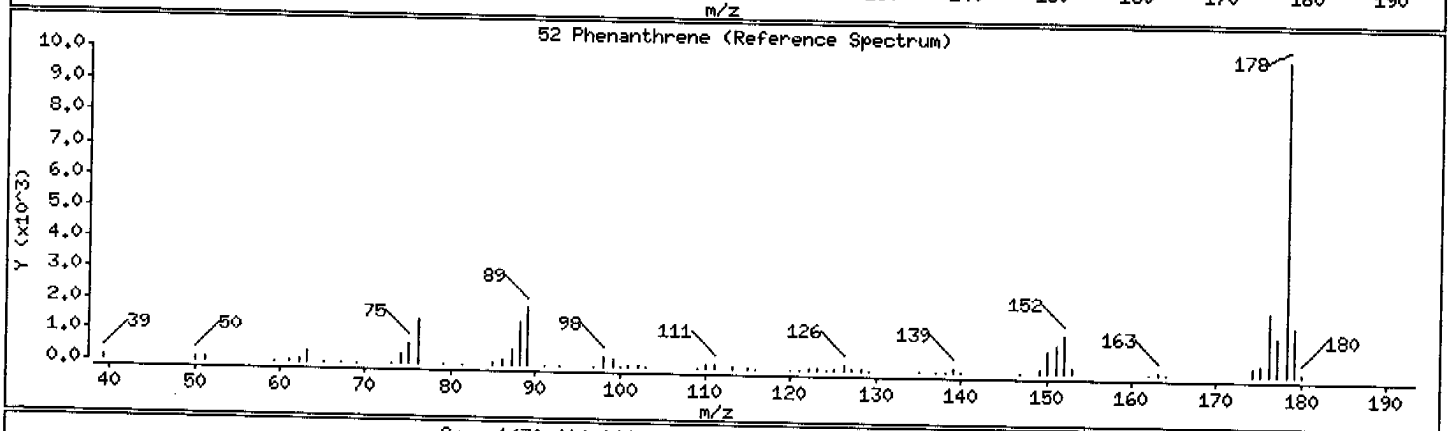
Column diameter: 0.25

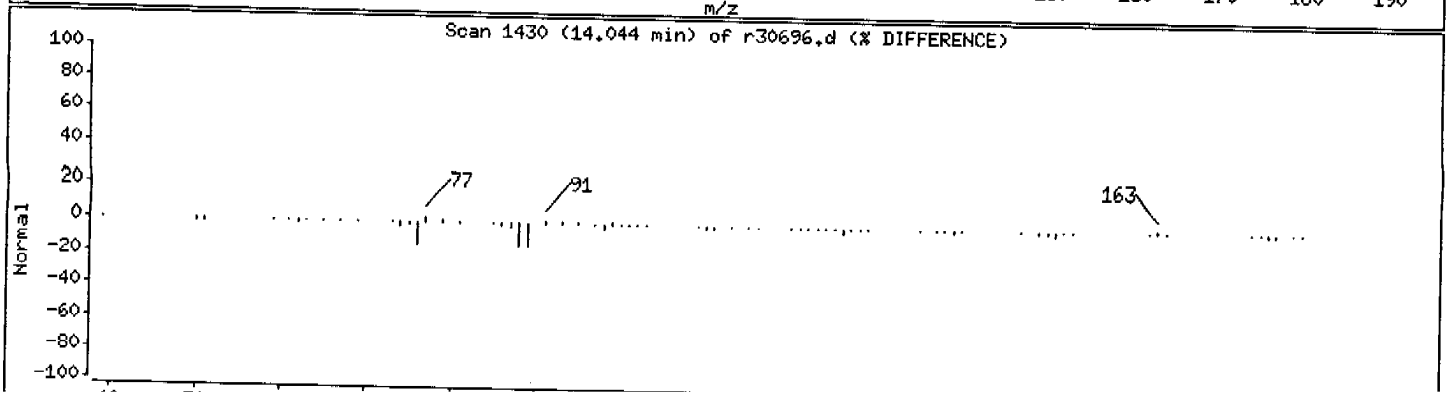
52 Phenanthrene

Concentration: 81 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

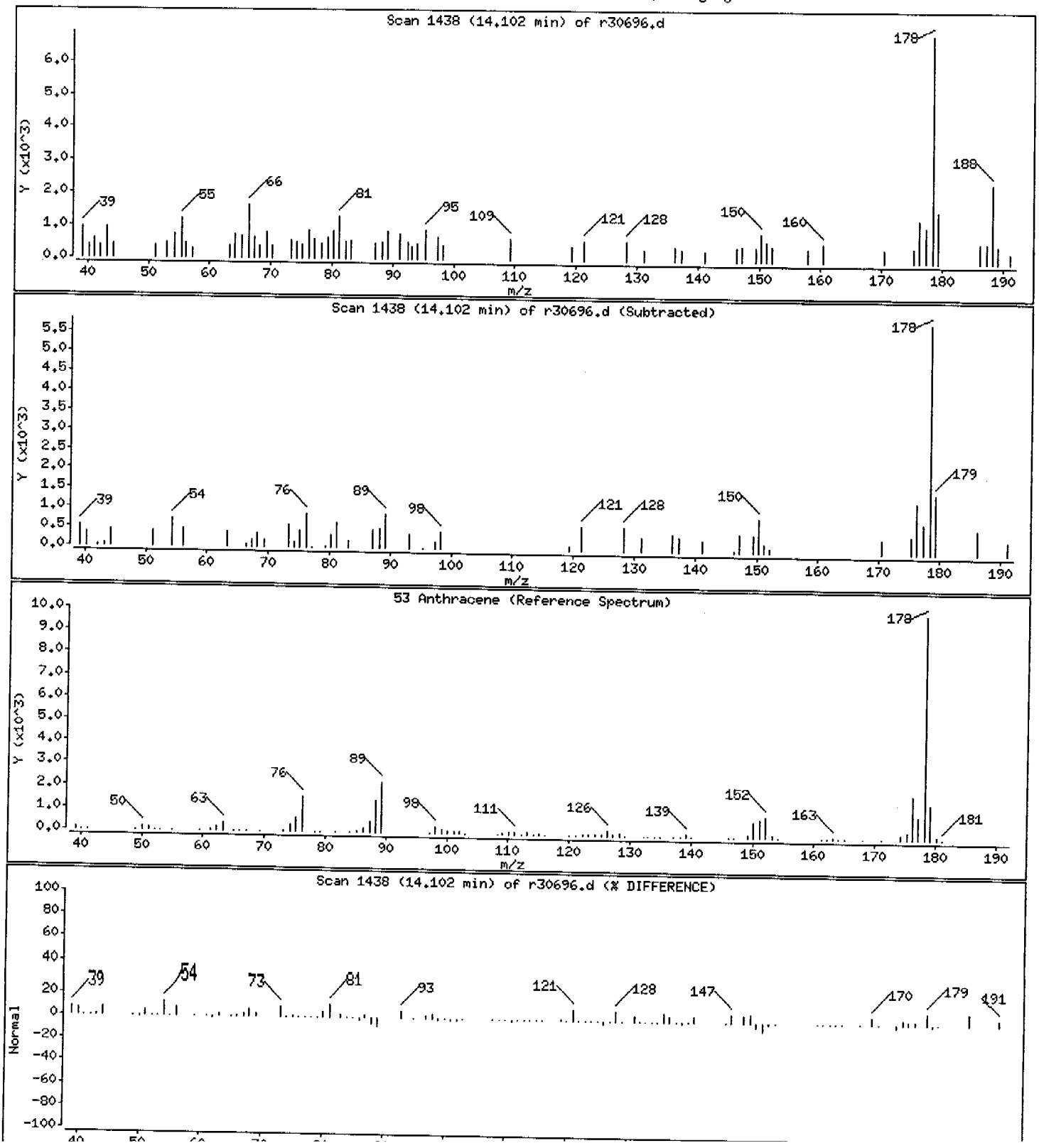
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

53 Anthracene

Concentration: 21 ug/Kg



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

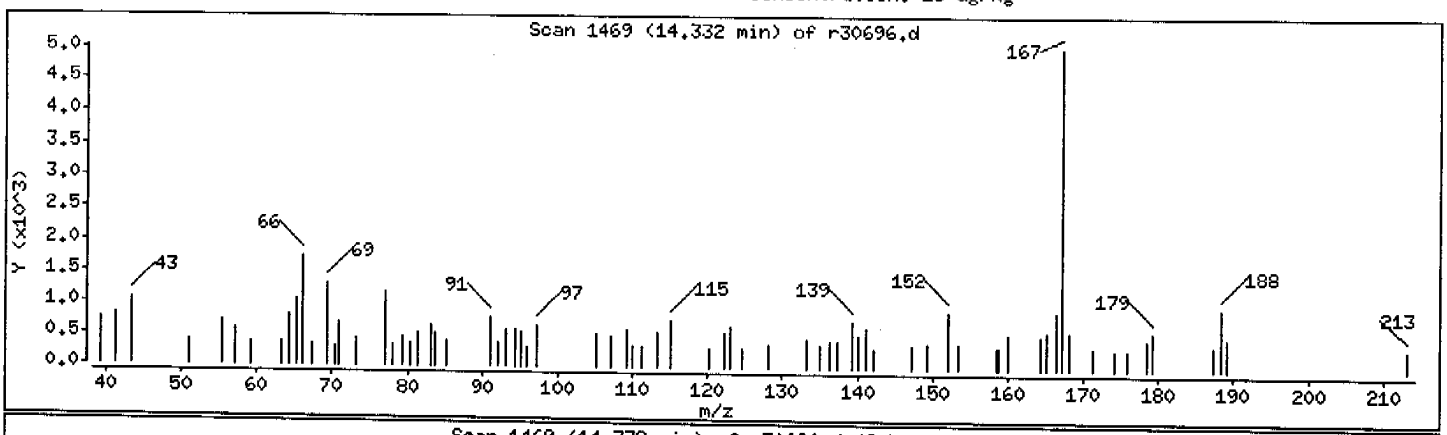
Operator: BNAMS 4

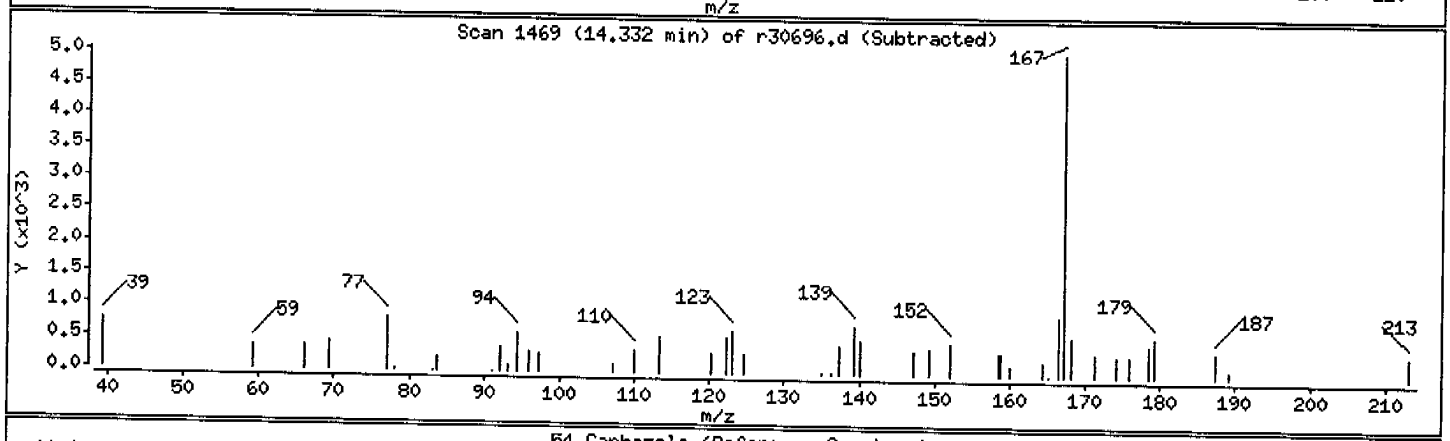
Column phase: DB-5

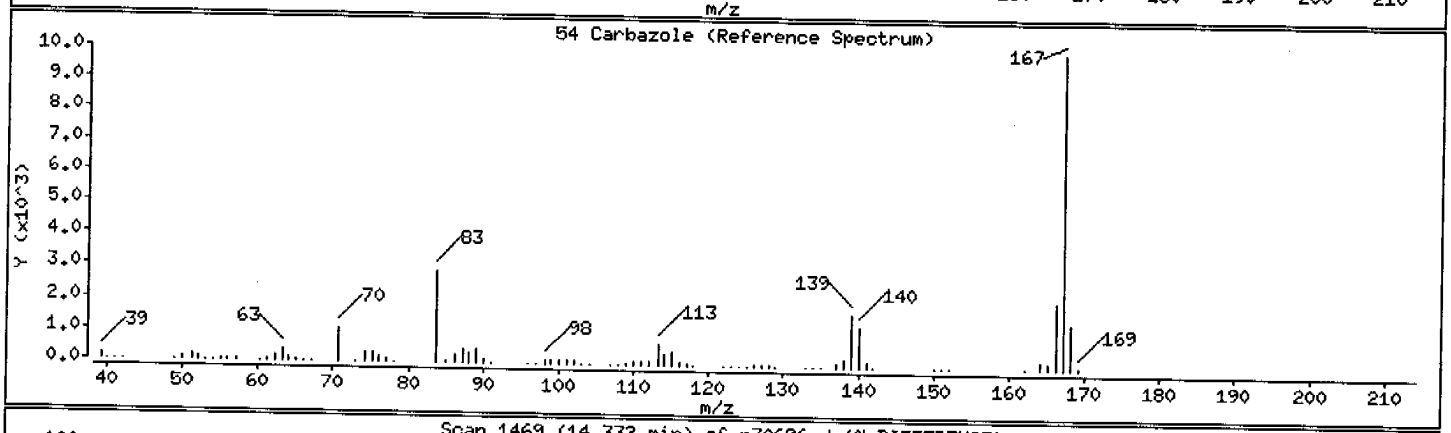
Column diameter: 0.25

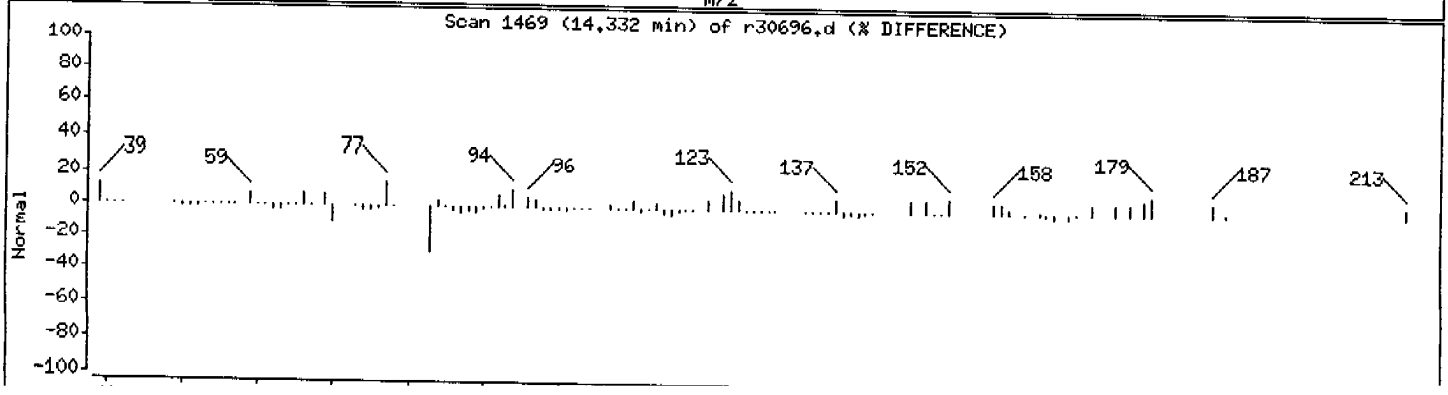
54 Carbazole

Concentration: 15 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

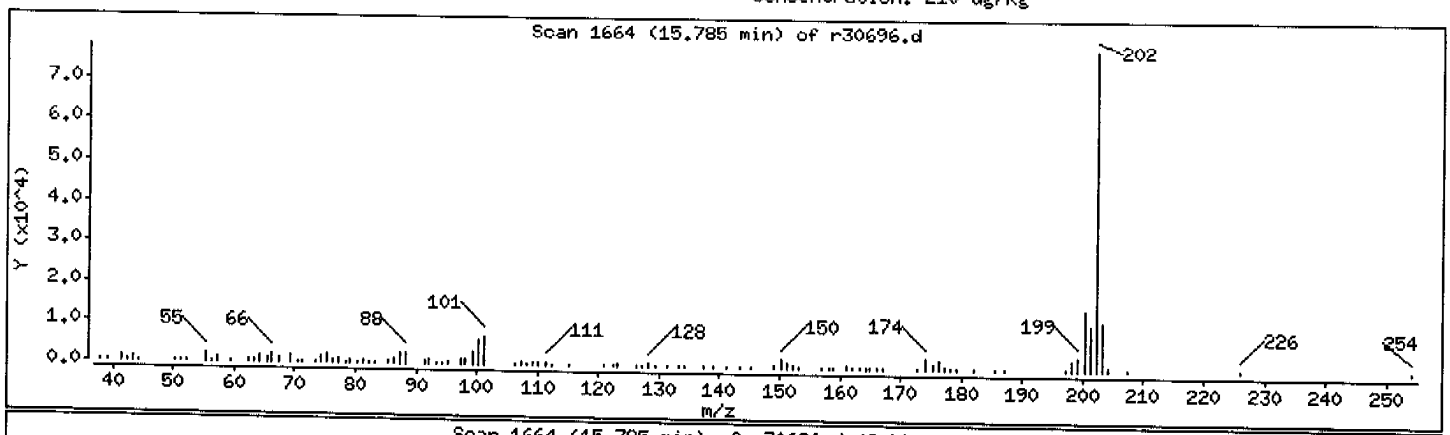
Operator: BNAMS 4

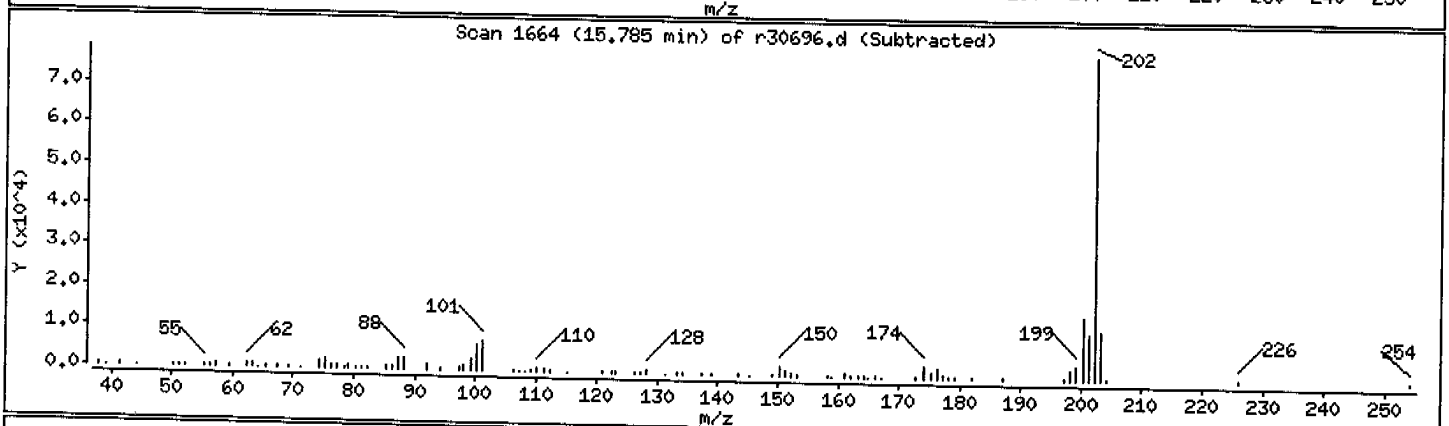
Column phase: DB-5

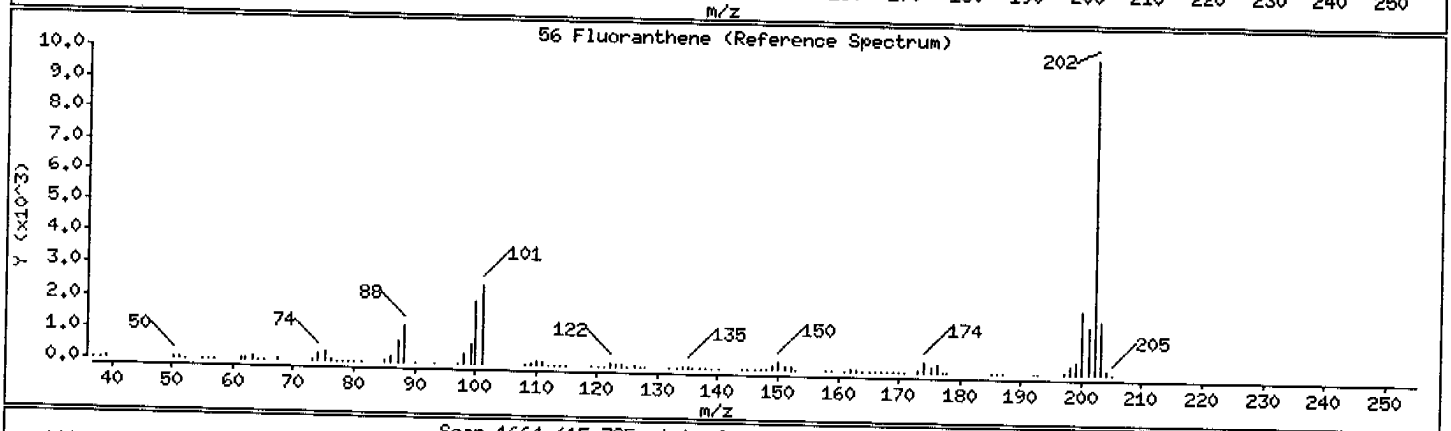
Column diameter: 0.25

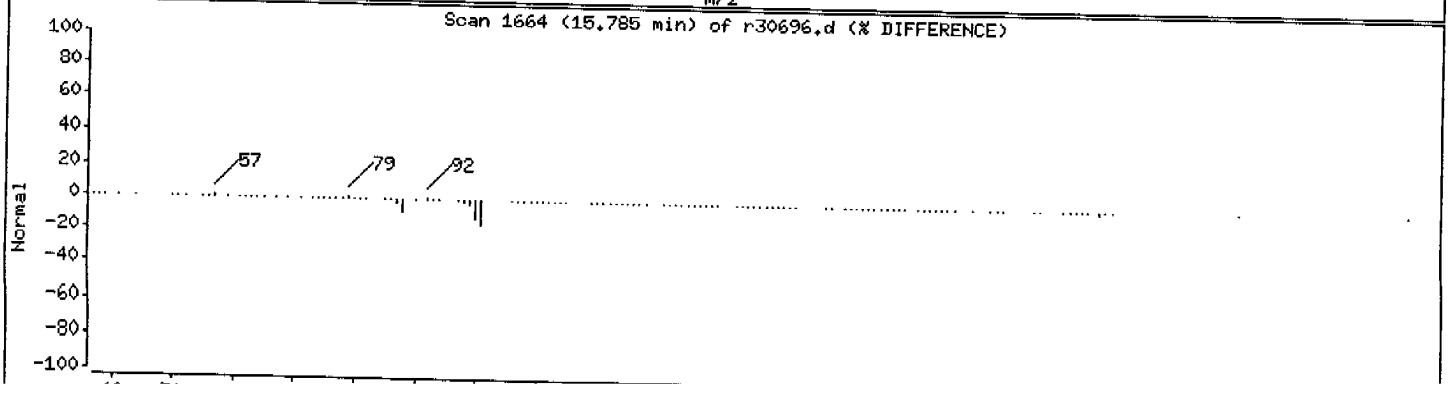
56 Fluoranthene

Concentration: 210 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

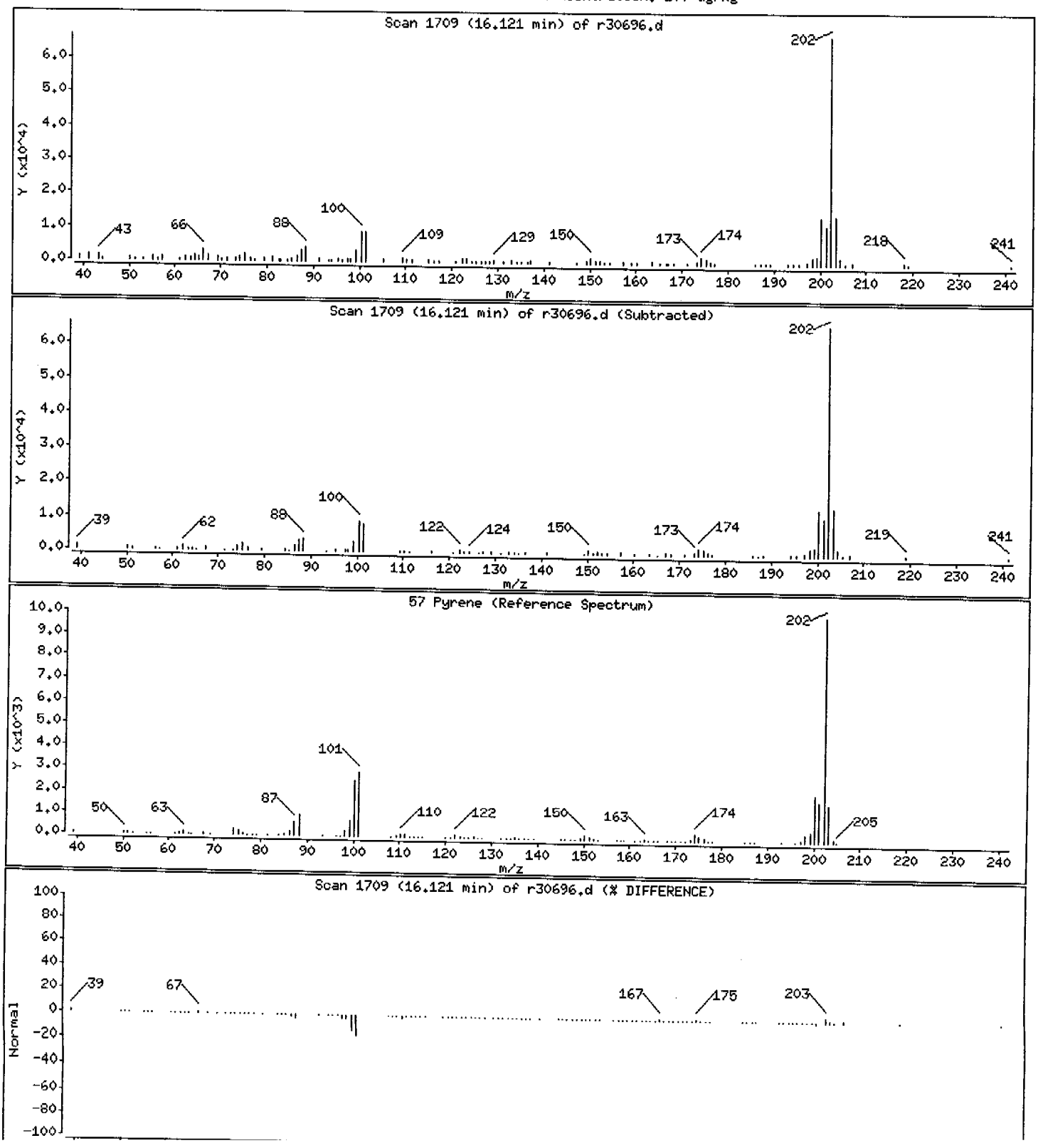
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 200 ug/Kg



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283:3281091

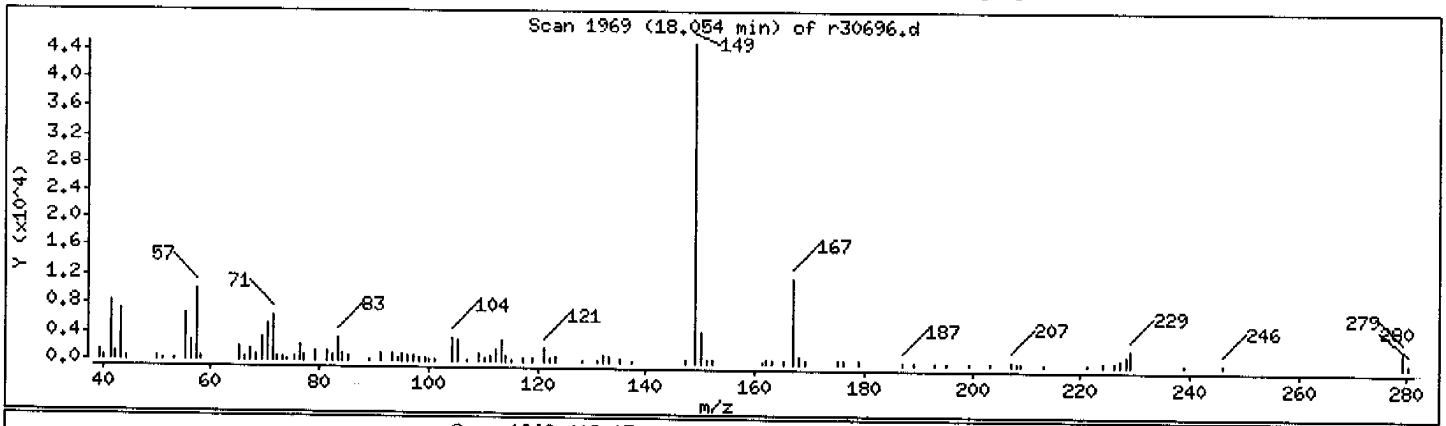
Operator: BNAMS 4

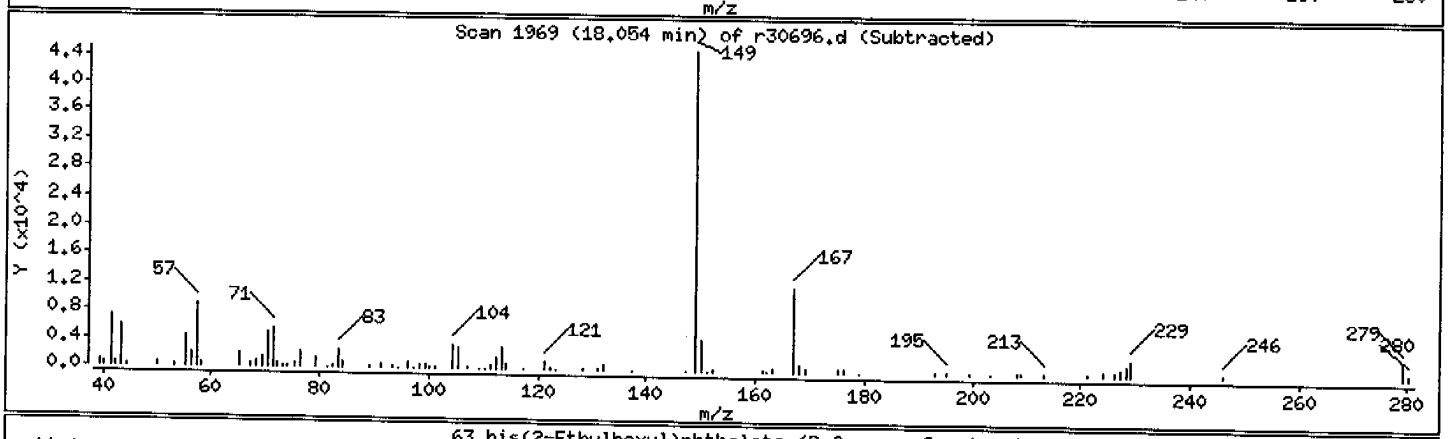
Column phase: DB-5

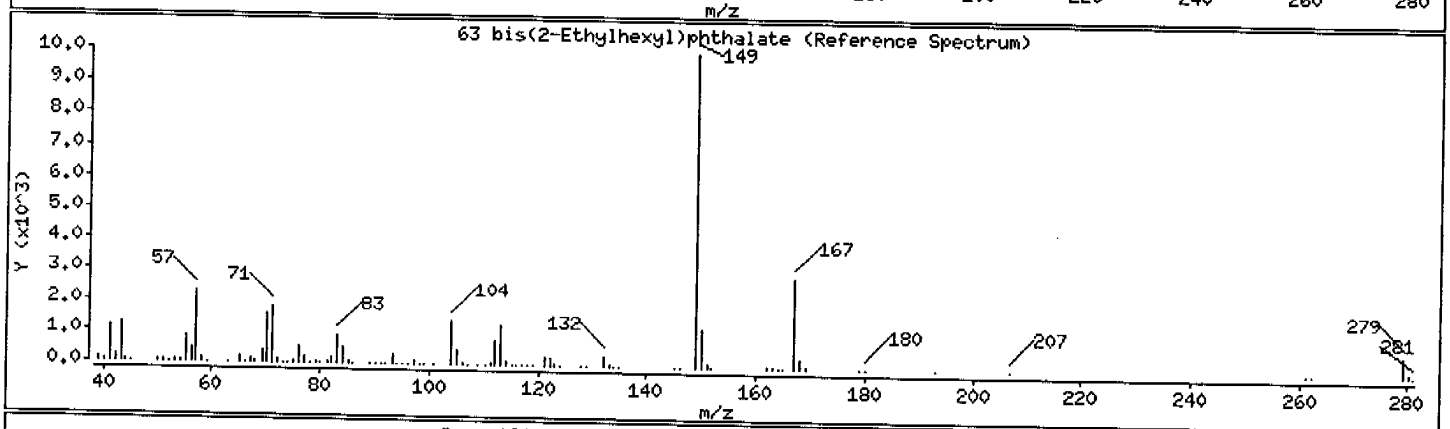
Column diameter: 0.25

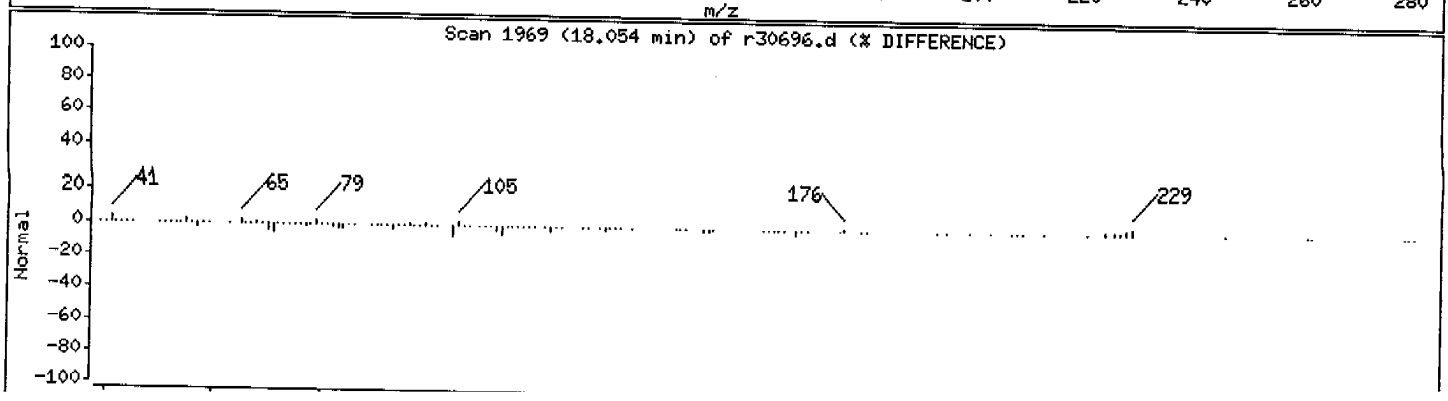
63 bis(2-Ethylhexyl)phthalate

Concentration: 210 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

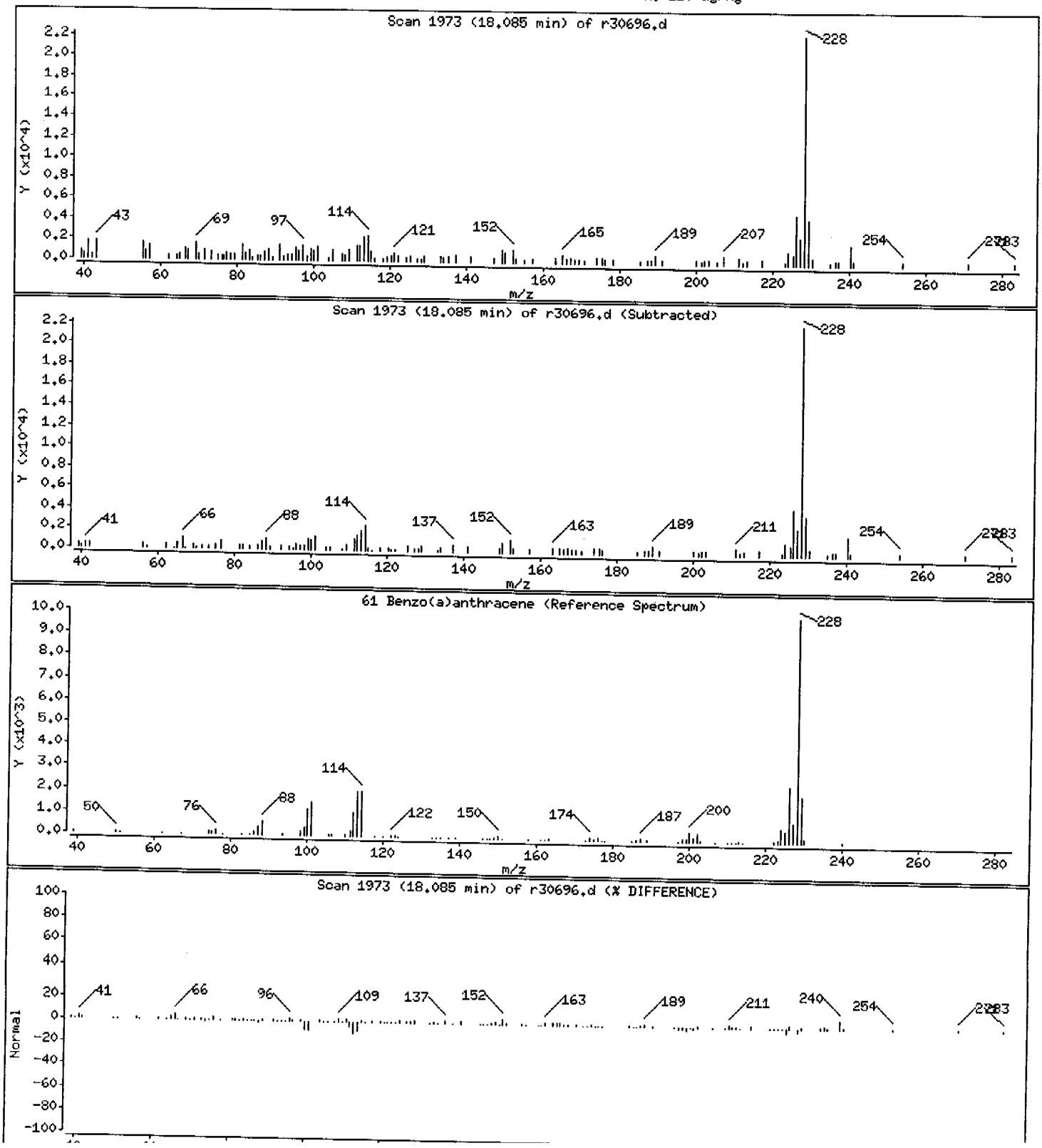
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 120 ug/Kg



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

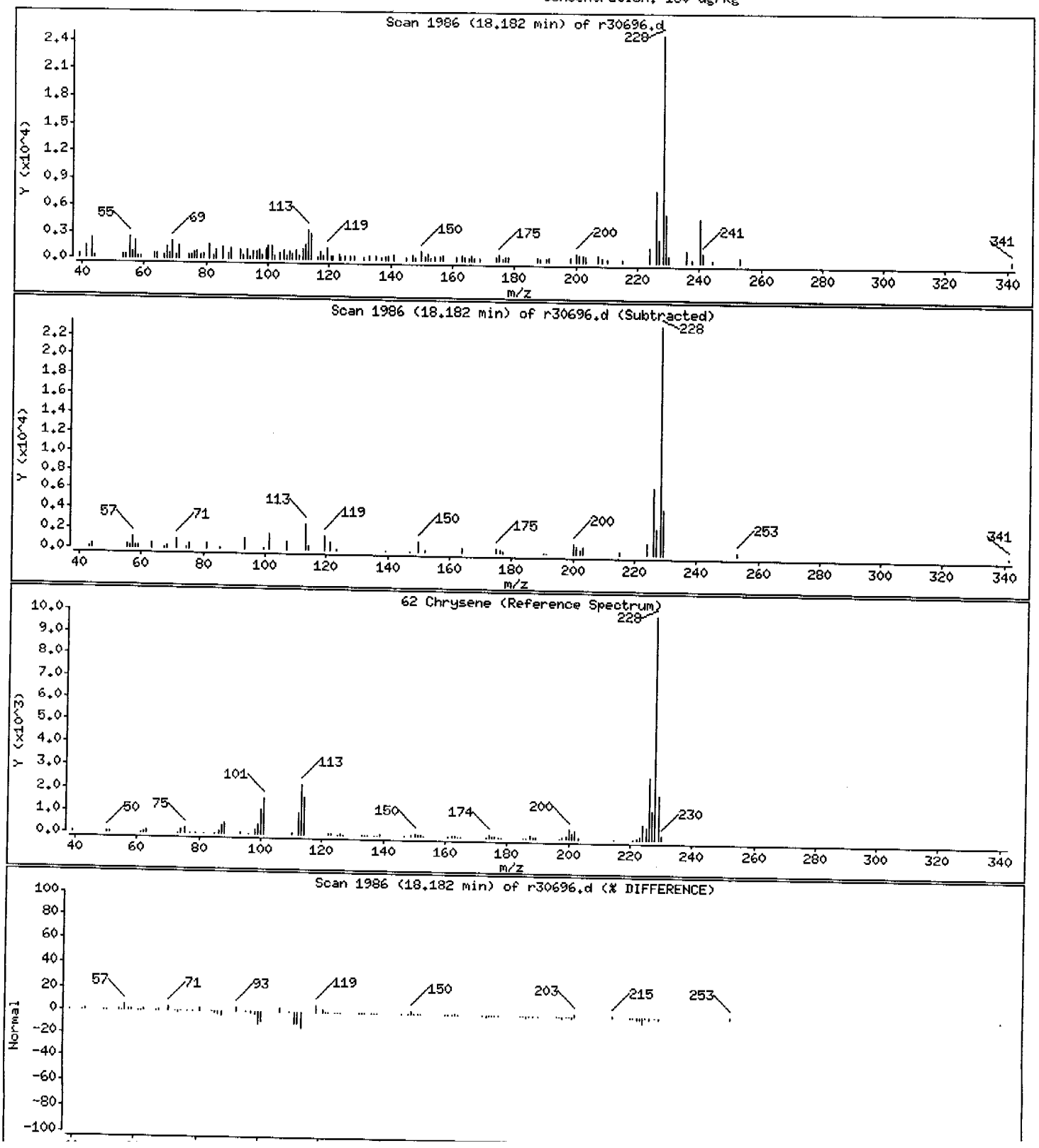
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

62 Chrysene

Concentration: 150 ug/Kg



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

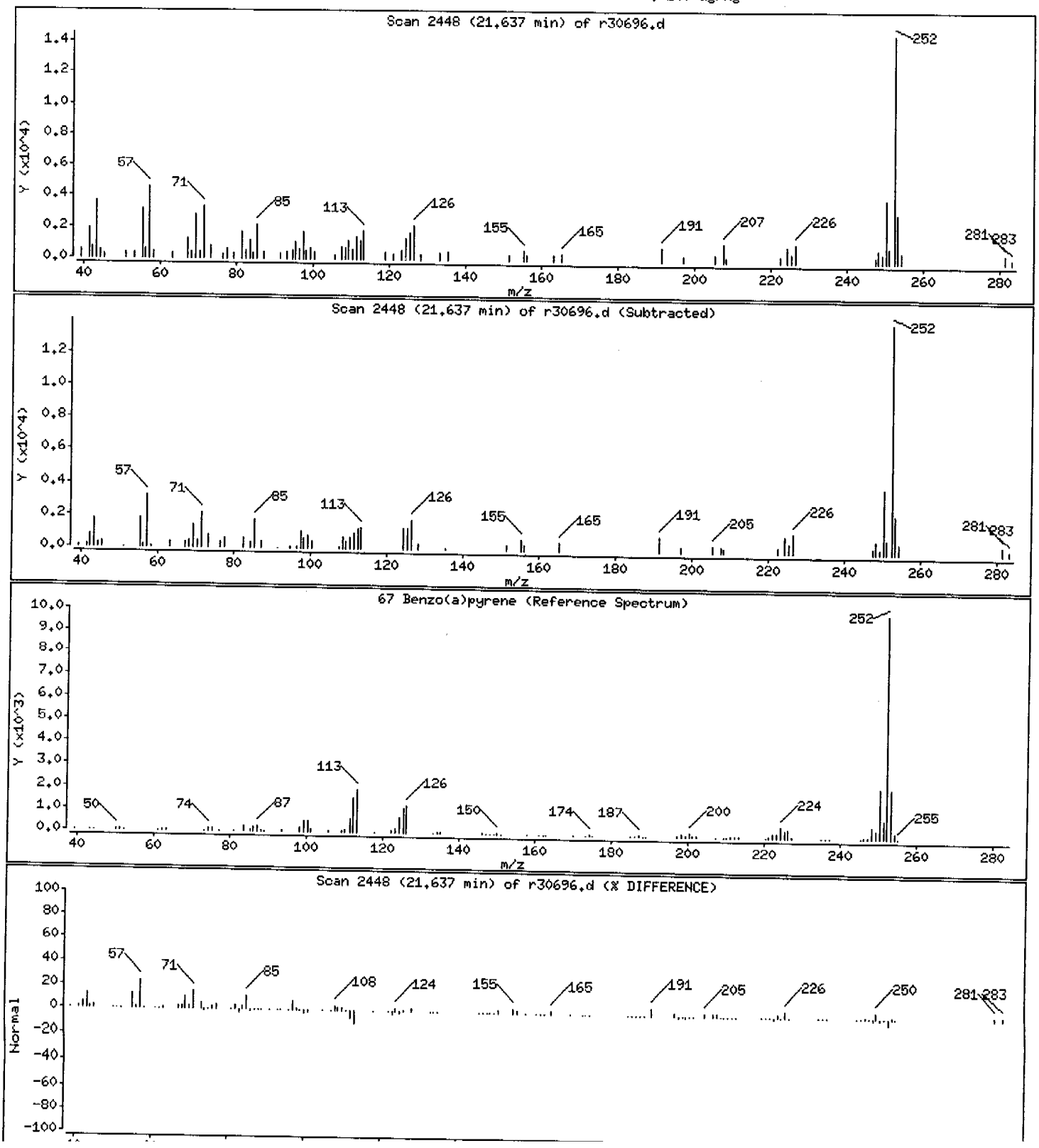
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 140 ug/Kg



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

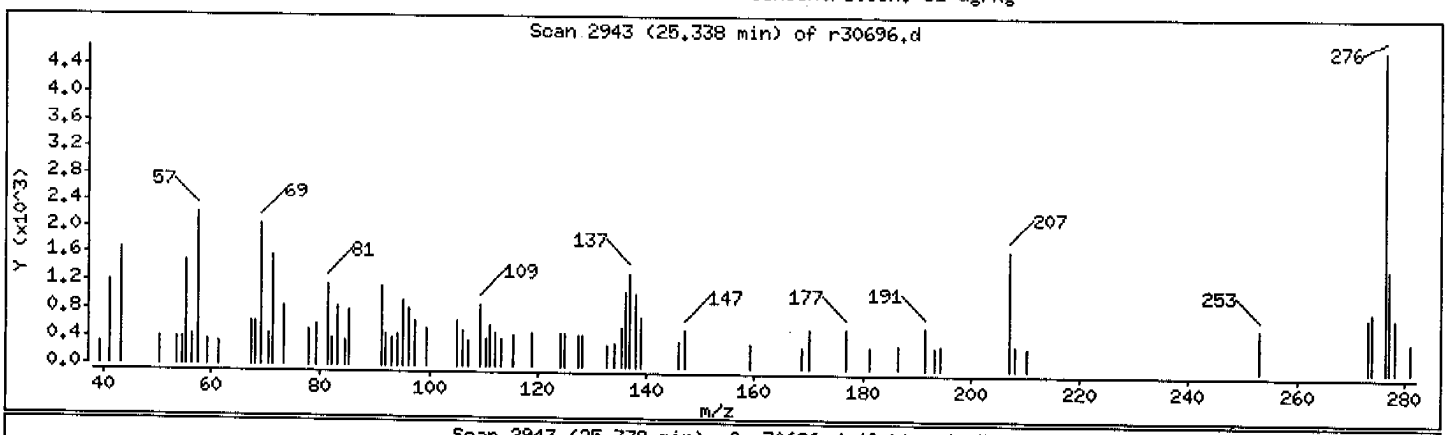
Operator: BNAMS 4

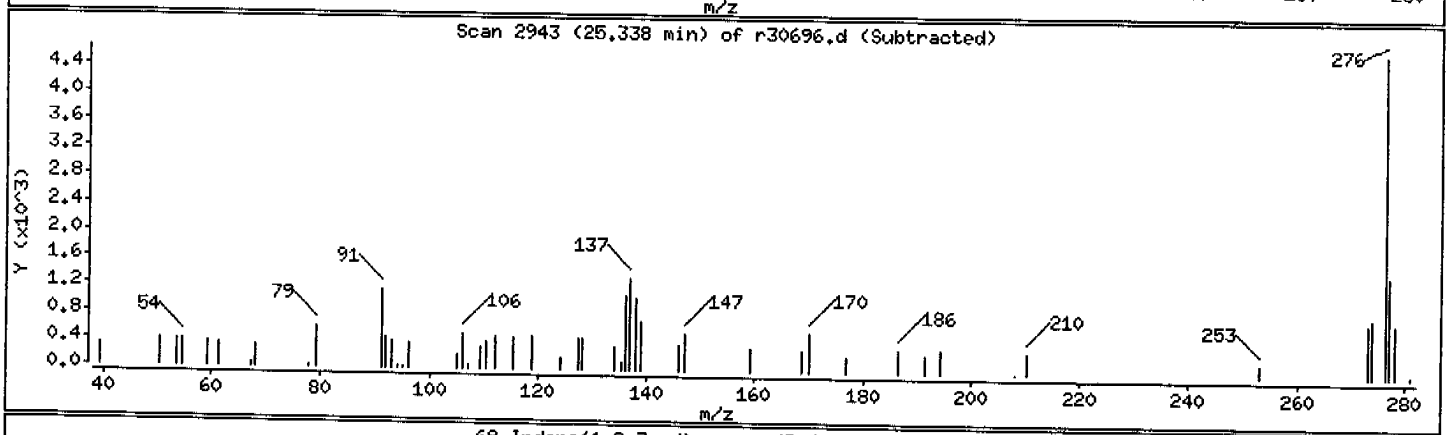
Column phase: DB-5

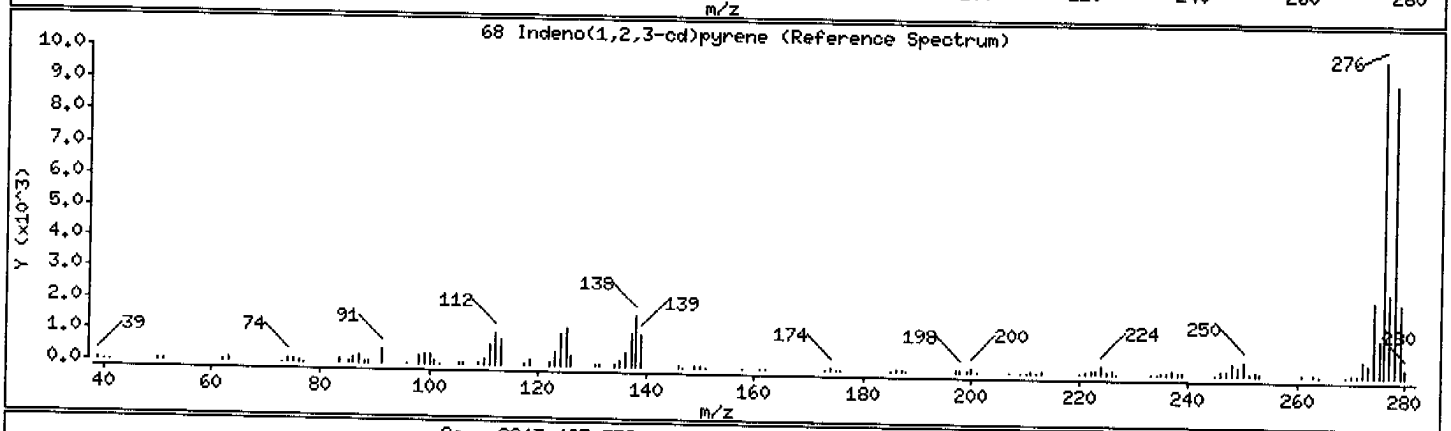
Column diameter: 0.25

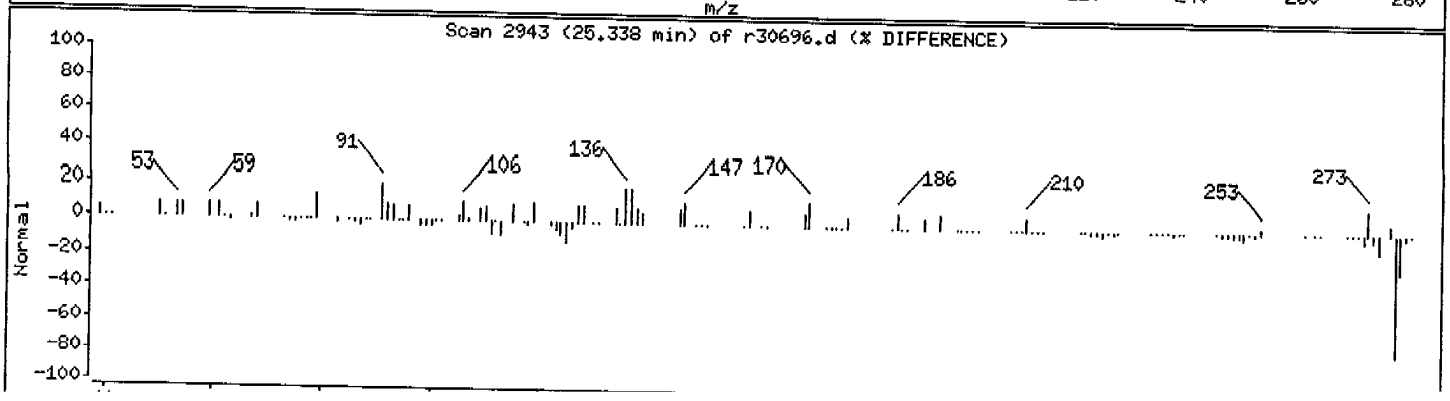
68 Indeno(1,2,3-cd)pyrene

Concentration: 61 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

Sample Info: 775283;3281091

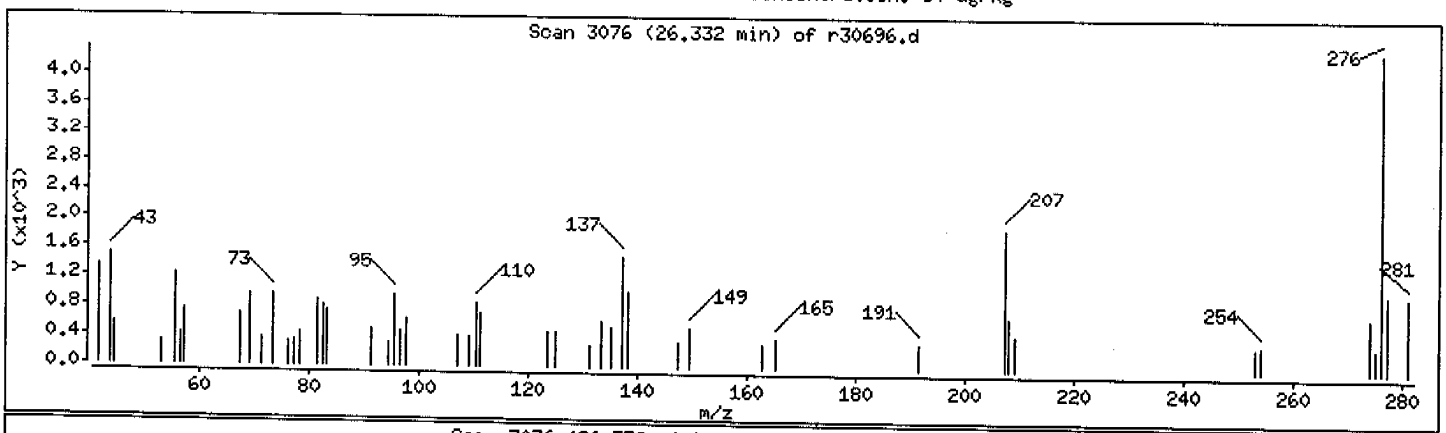
Operator: BNAMS 4

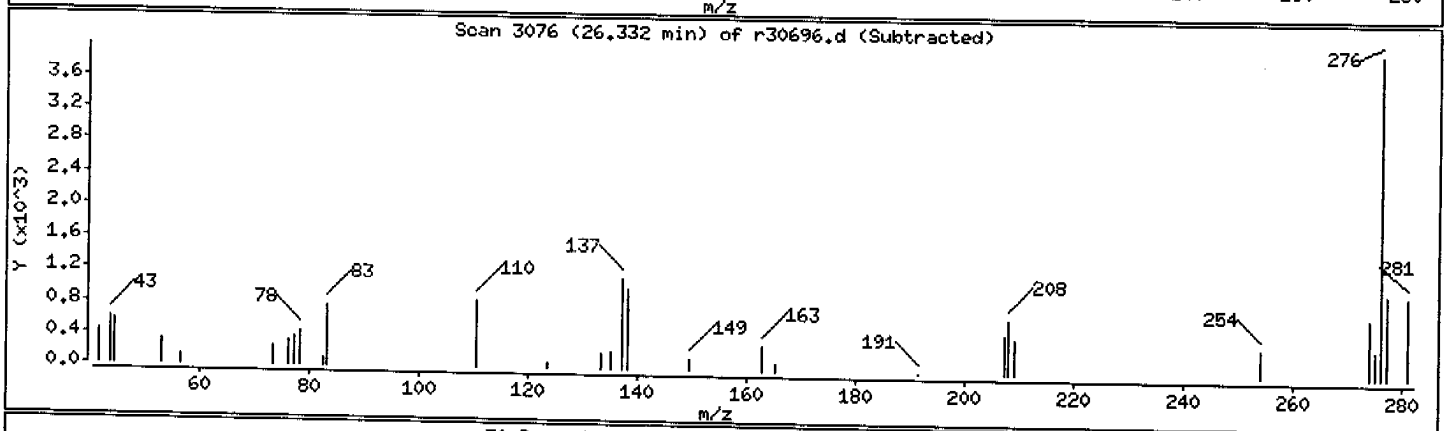
Column phase: DB-5

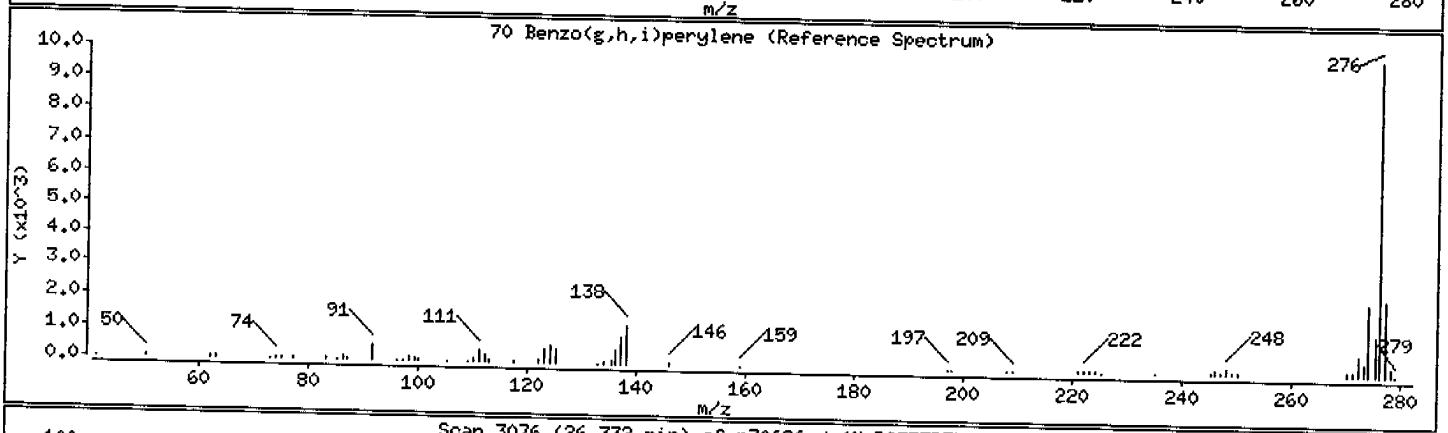
Column diameter: 0.25

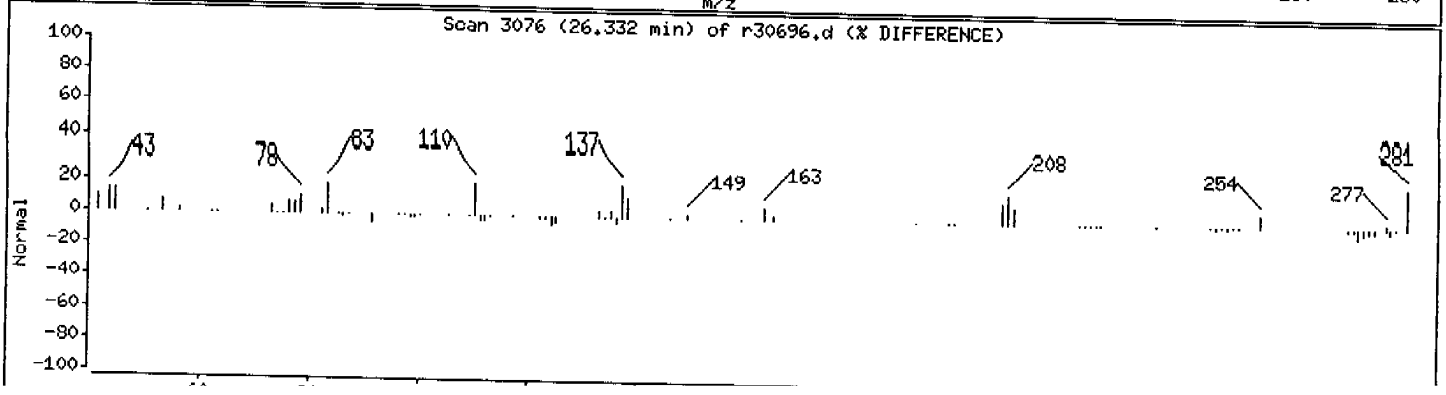
70 Benzo(g,h,i)perylene

Concentration: 64 ug/Kg









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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

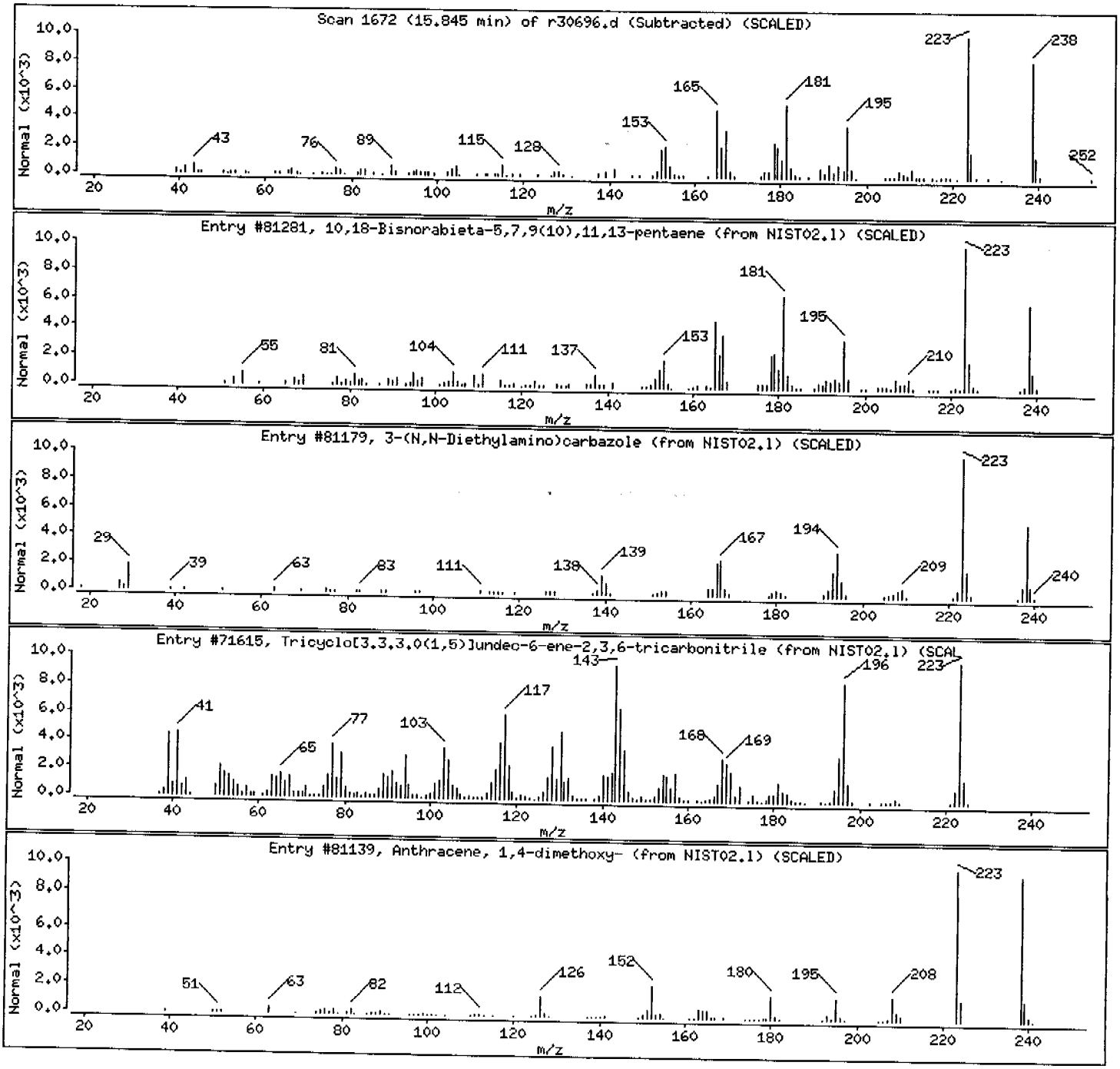
Sample Info: 775283:3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
10,18-Bisnorabieta-5,7,9(10),11,13-penta	6566-19-4	NIST02.l	81281	87	C18H22	238
3-(N,N-Diethylamino)carbazole	54994-31-9	NIST02.l	81179	60	C16H18N2	238
Tricyclo[3.3.3.0(1,5)]undec-6-ene-2,3,6-	118894-71-6	NIST02.l	71615	56	C14H13N3	223
Anthracene, 1,4-dimethoxy-	13076-29-4	NIST02.l	81139	50	C16H1402	238



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

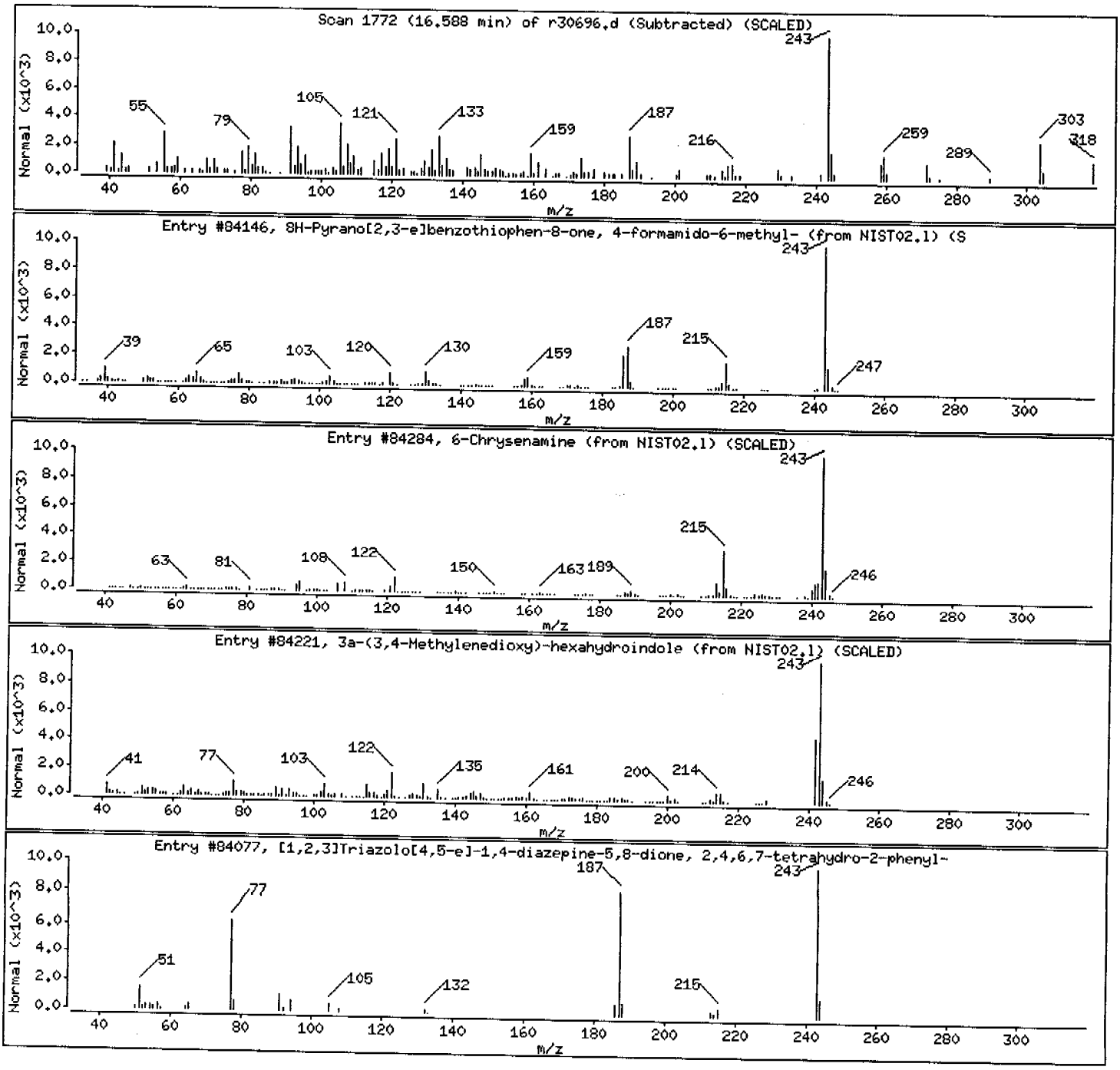
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
8H-Pyrano[2,3-e]benzothiophen-8-one, 4-f	1000266-82-1	NIST02.l	84146	46	C13H9NO4	243
6-Chrysenamine	2642-98-0	NIST02.l	84284	38	C18H13N	243
3a-(3,4-Methylenedioxy)-hexahydroindole	109535-43-5	NIST02.l	84221	38	C15H17NO2	243
[1,2,3]Triazolo[4,5-e]-1,4-diazepine-5,8	1000142-43-5	NIST02.l	84077	38	C11H9N5O2	243



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

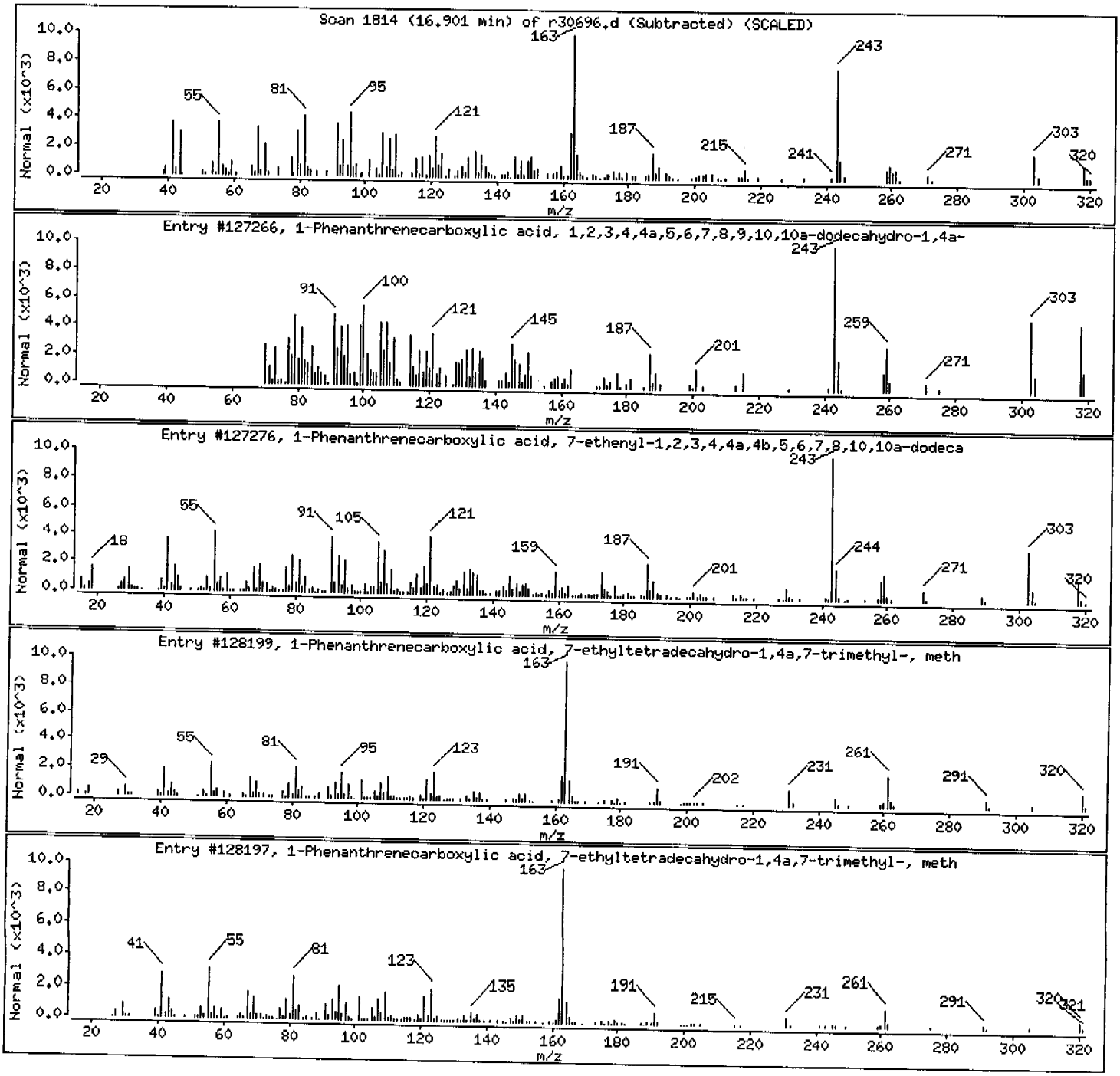
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	33892-14-7	NIST02.l	127266	55	C21H3402	318
1-Phenanthrenecarboxylic acid, 7-ethenyl	72088-13-2	NIST02.l	127276	48	C21H3402	318
1-Phenanthrenecarboxylic acid, 7-ethylte	33892-02-3	NIST02.l	128199	43	C21H3602	320
1-Phenanthrenecarboxylic acid, 7-ethylte	4614-69-1	NIST02.l	128197	30	C21H3602	320



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

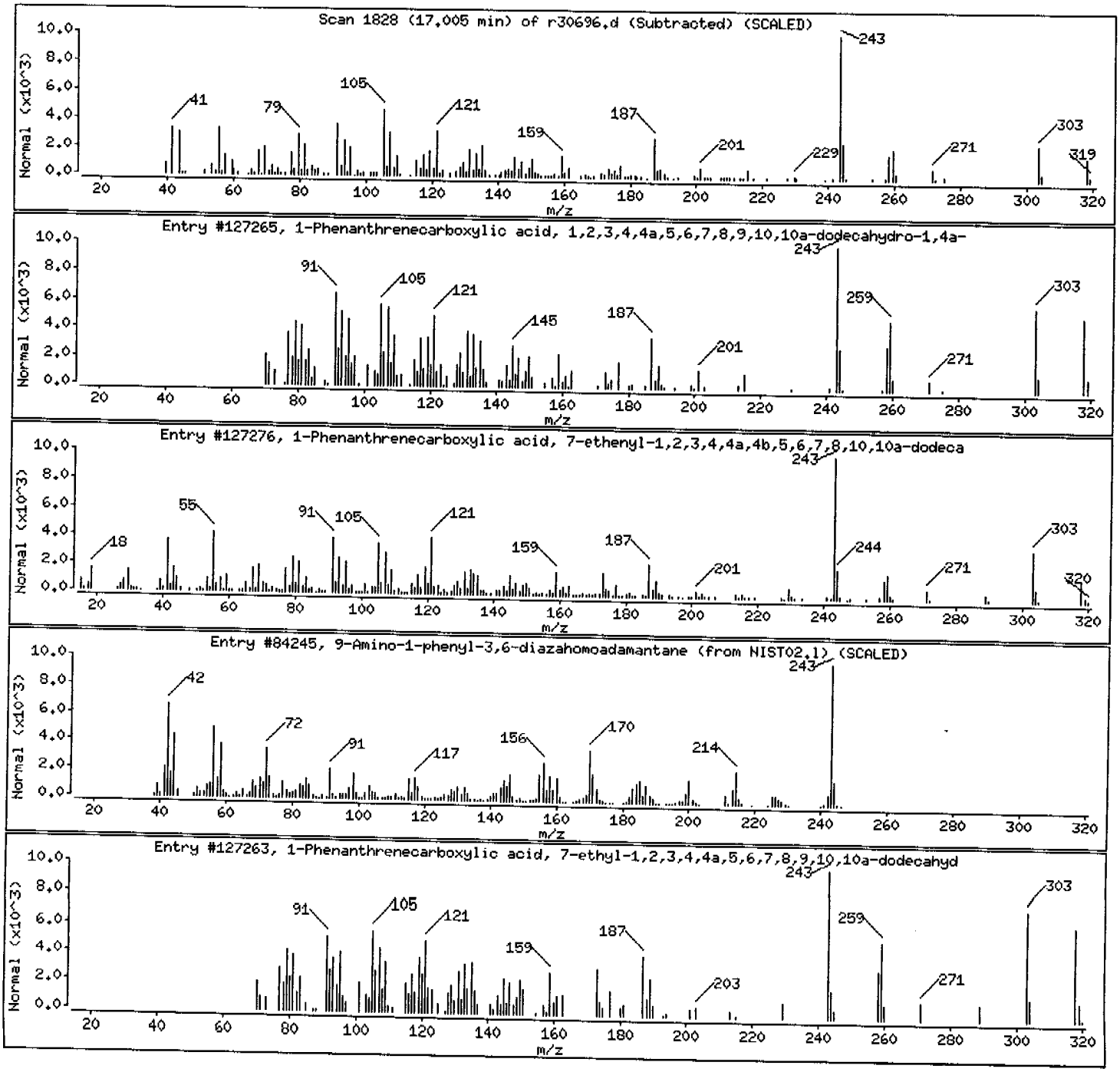
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	33892-15-8	NIST02.l	127265	96	C21H3402	318
1-Phenanthrenecarboxylic acid, 7-ethenyl	72088-13-2	NIST02.l	127276	91	C21H3402	318
9-Amino-1-phenyl-3,6-diazahomoadamantane	147084-69-3	NIST02.l	84245	42	C15H21N3	243
1-Phenanthrenecarboxylic acid, 7-ethyl-1	33952-78-2	NIST02.l	127263	38	C21H3402	318



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

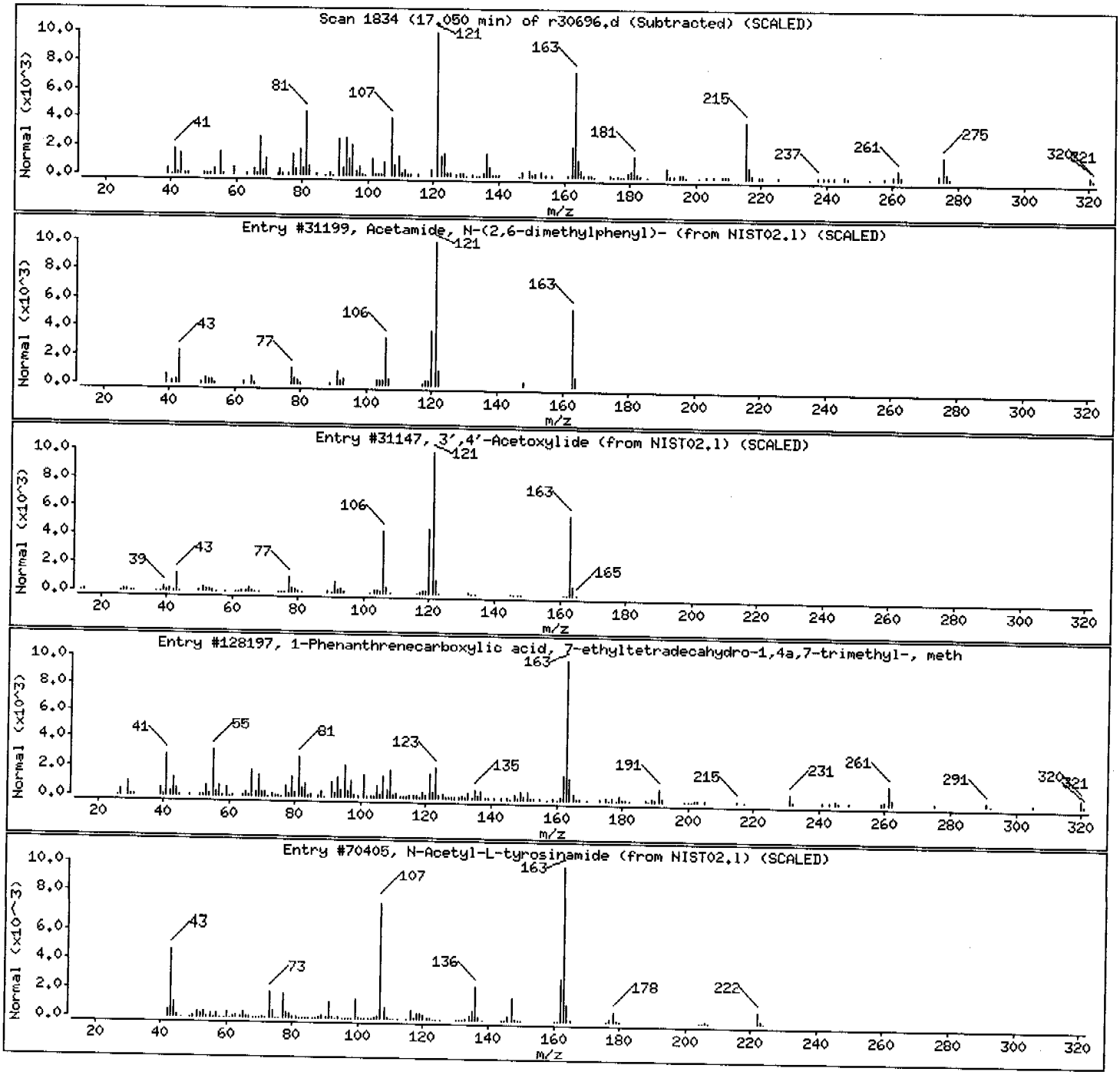
Sample Info: 775283:3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetamide, N-(2,6-dimethylphenyl)-	2198-53-0	NIST02.l	31199	35	C10H13NO	163
3',4'-Acetoxylide	2198-54-1	NIST02.l	31147	35	C10H13NO	163
1-Phenanthrenecarboxylic acid, 7-ethylte	4614-69-1	NIST02.l	128197	25	C21H3602	320
N-Acetyl-L-tyrosinamide	1948-71-6	NIST02.l	70405	22	C11H14N203	222



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

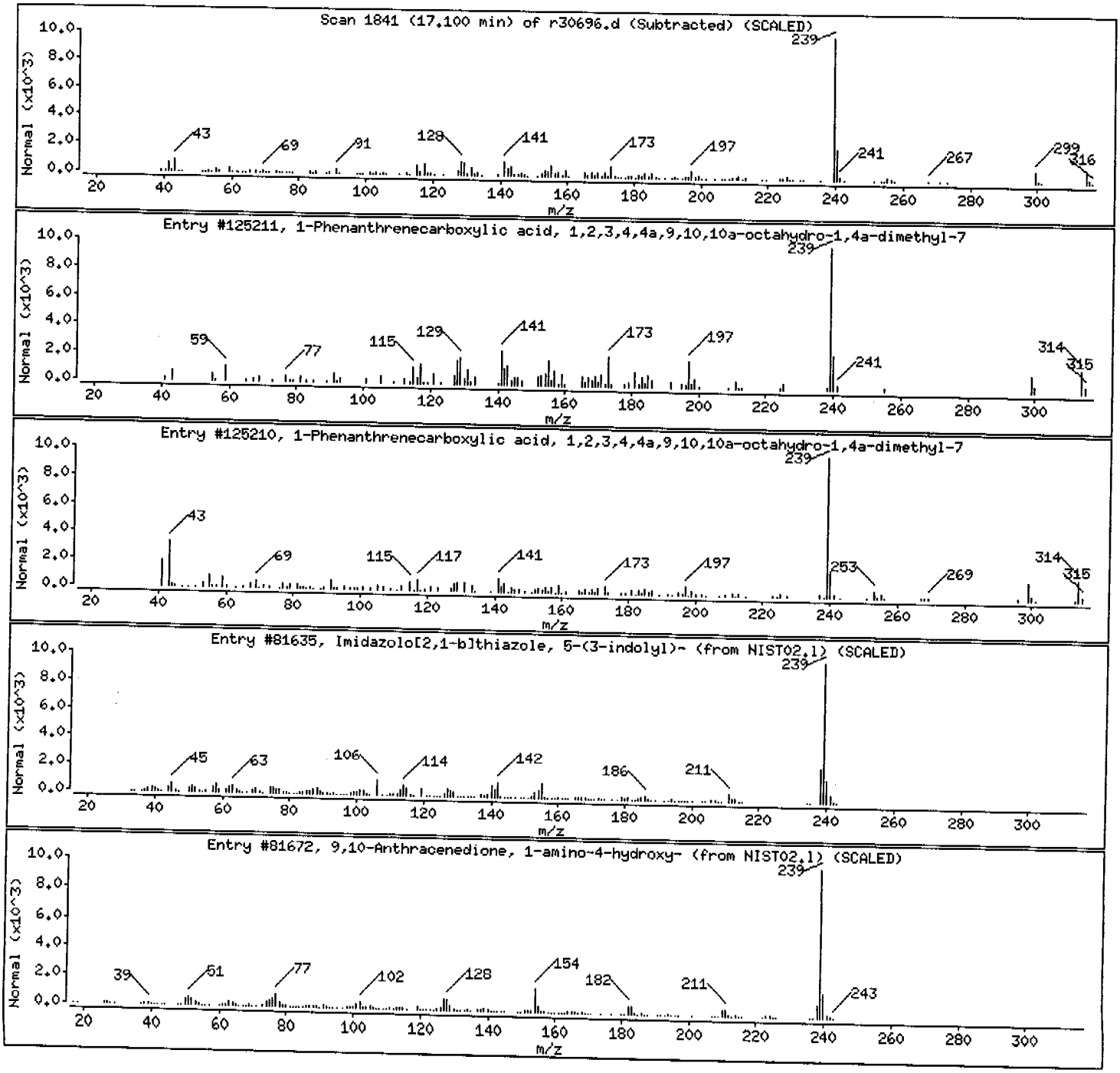
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1235-74-1	NIST02.l	125211	89	C21H3002	314
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1235-74-1	NIST02.l	125210	50	C21H3002	314
Imidazolo[2,1-b]thiazole, 5-(3-indolyl)-	327097-37-0	NIST02.l	81635	45	C13H9N3S	239
9,10-Anthracenedione, 1-amino-4-hydroxy-	116-85-8	NIST02.l	81672	42	C14H9N03	239



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

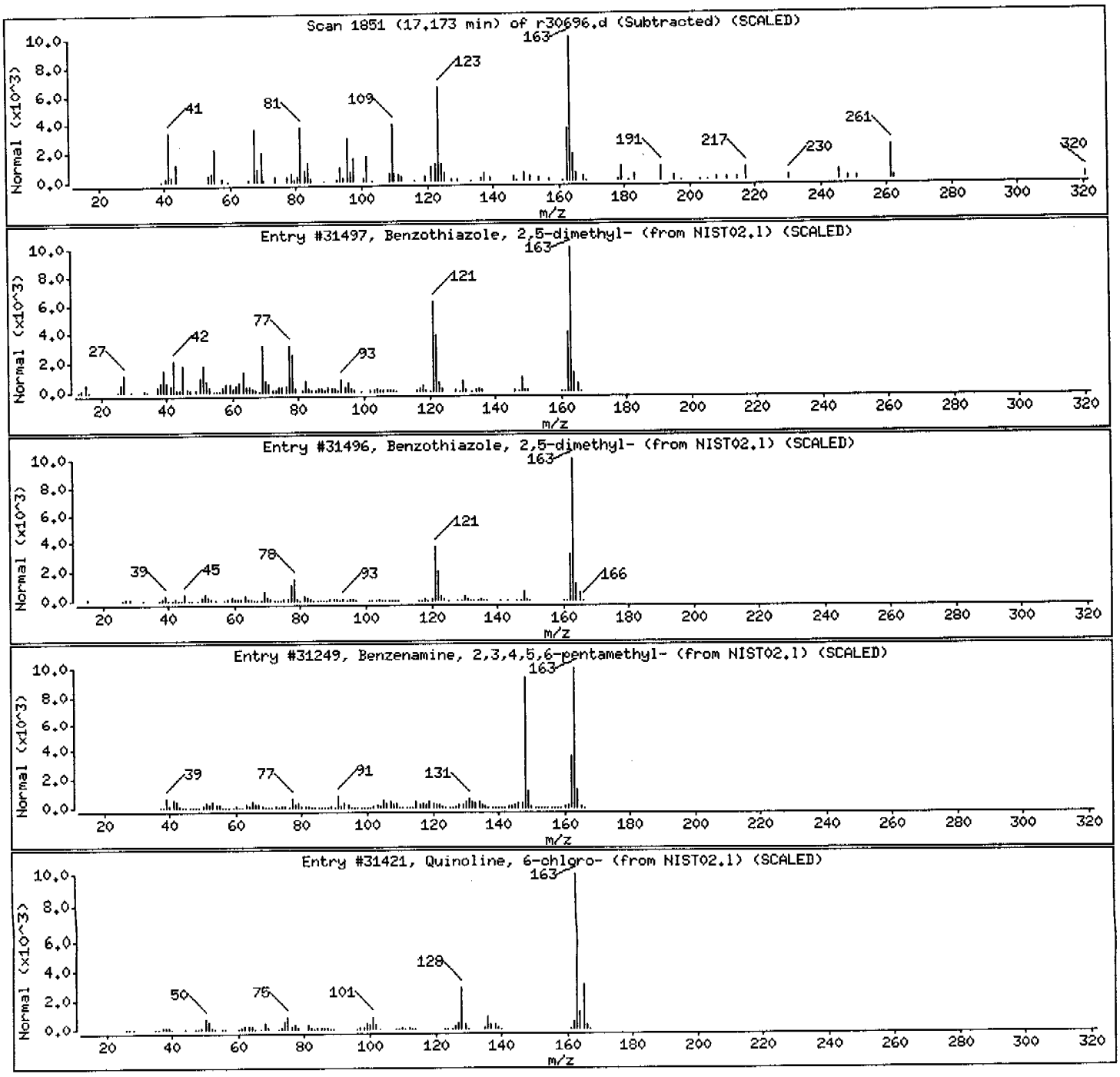
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzothiazole, 2,5-dimethyl-	95-26-1	NIST02.l	31497	25	C9H9NS	163
Benzothiazole, 2,5-dimethyl-	95-26-1	NIST02.l	31496	25	C9H9NS	163
Benzenamine, 2,3,4,5,6-pentamethyl-	2243-30-3	NIST02.l	31249	25	C11H17N	163
Quinoline, 6-chloro-	612-57-7	NIST02.l	31421	22	C9H6ClN	163



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

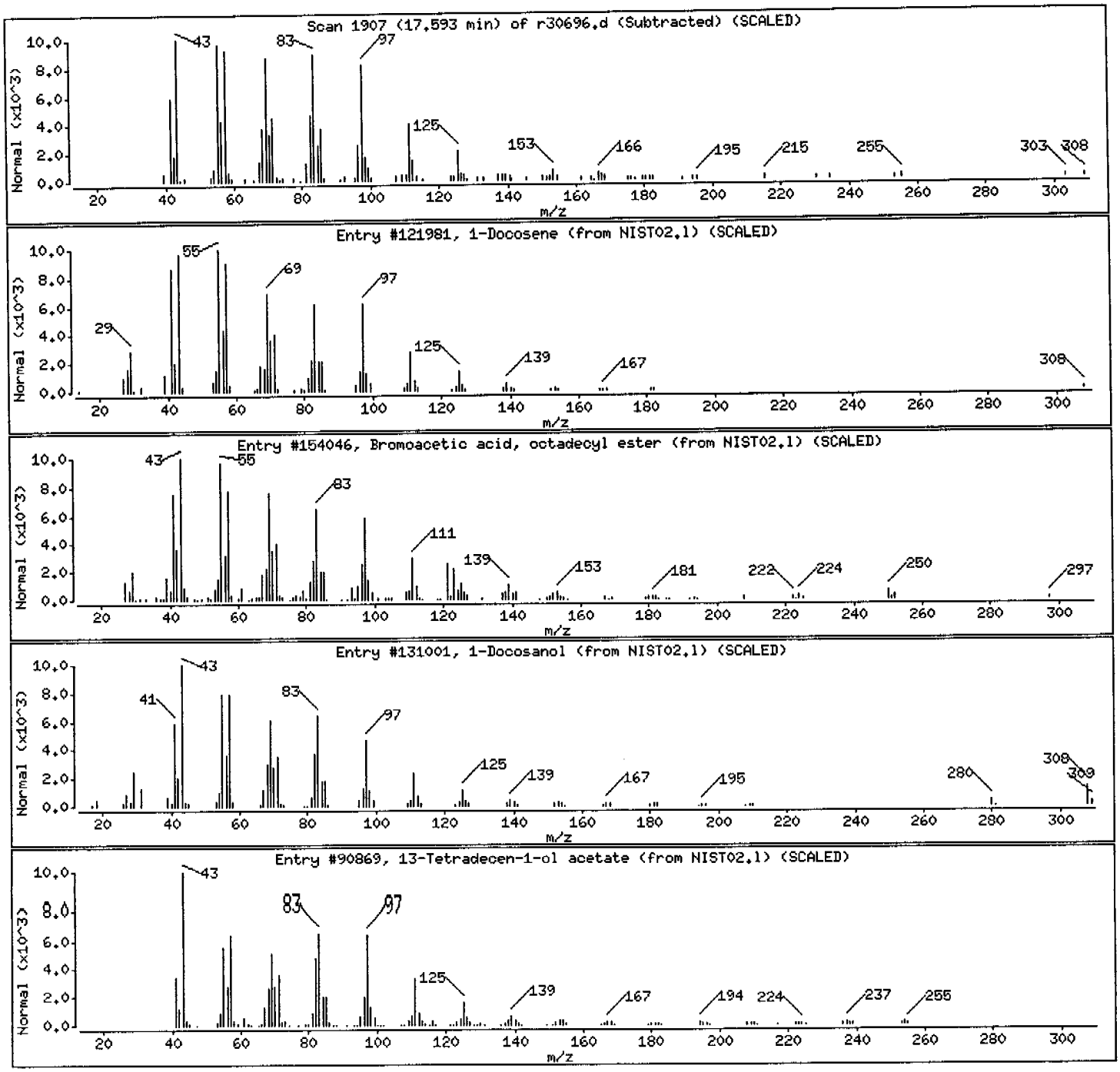
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Docosene	1599-67-3	NIST02.l	121981	83	C22H44	308
Bromoacetic acid, octadecyl ester	18992-03-5	NIST02.l	154046	83	C20H39BrO2	390
1-Docosanol	661-19-8	NIST02.l	131001	81	C22H46O	326
13-Tetradecen-1-ol acetate	56221-91-1	NIST02.l	90869	81	C16H30O2	254



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

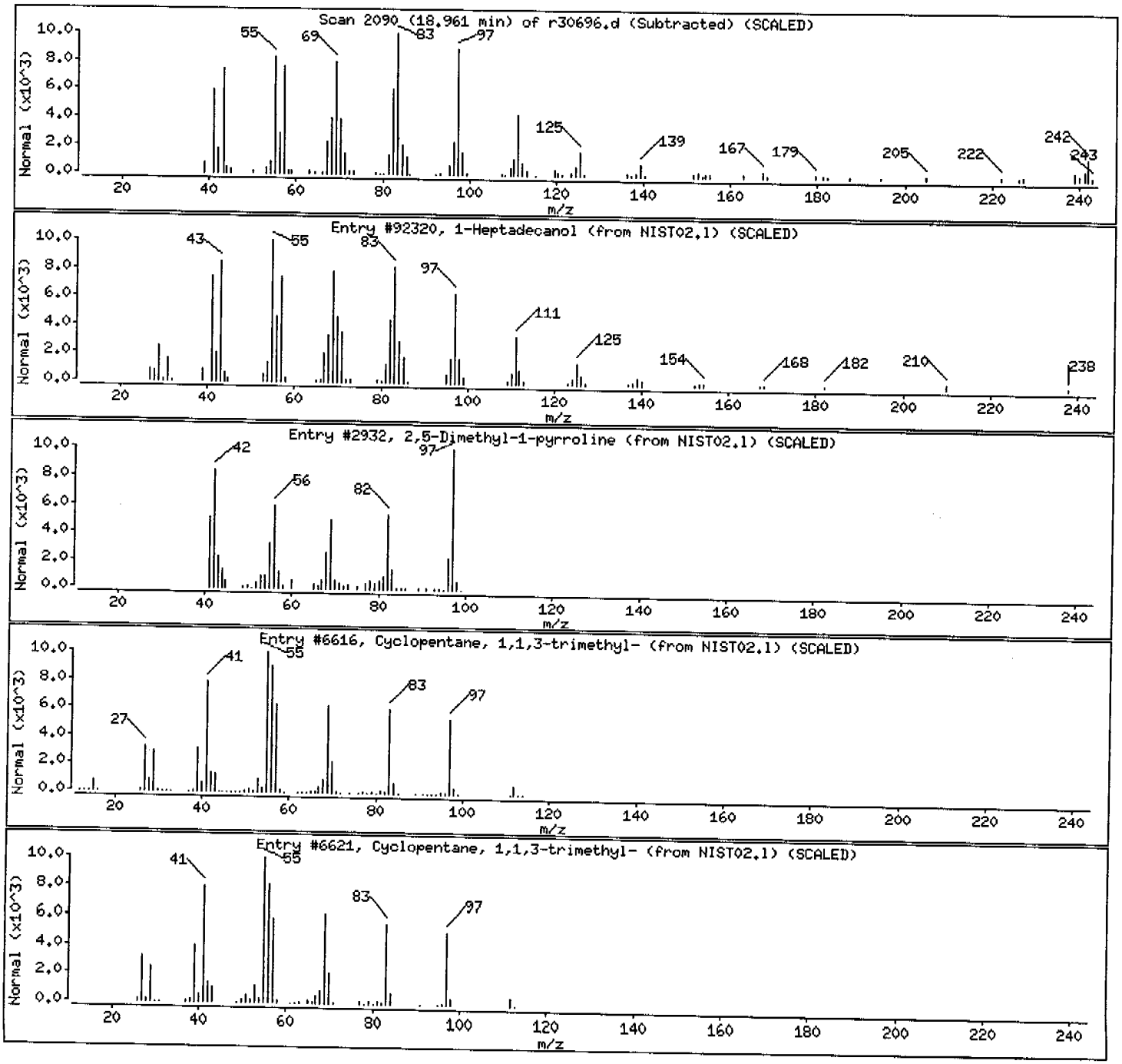
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Heptadecanol	1454-85-9	NIST02.l	92320	80	C17H36O	256
2,5-Dimethyl-1-pyrroline	822-64-0	NIST02.l	2932	53	C6H11N	97
Cyclopentane, 1,1,3-trimethyl-	4516-69-2	NIST02.l	6616	52	C8H16	112
Cyclopentane, 1,1,3-trimethyl-	4516-69-2	NIST02.l	6621	52	C8H16	112



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

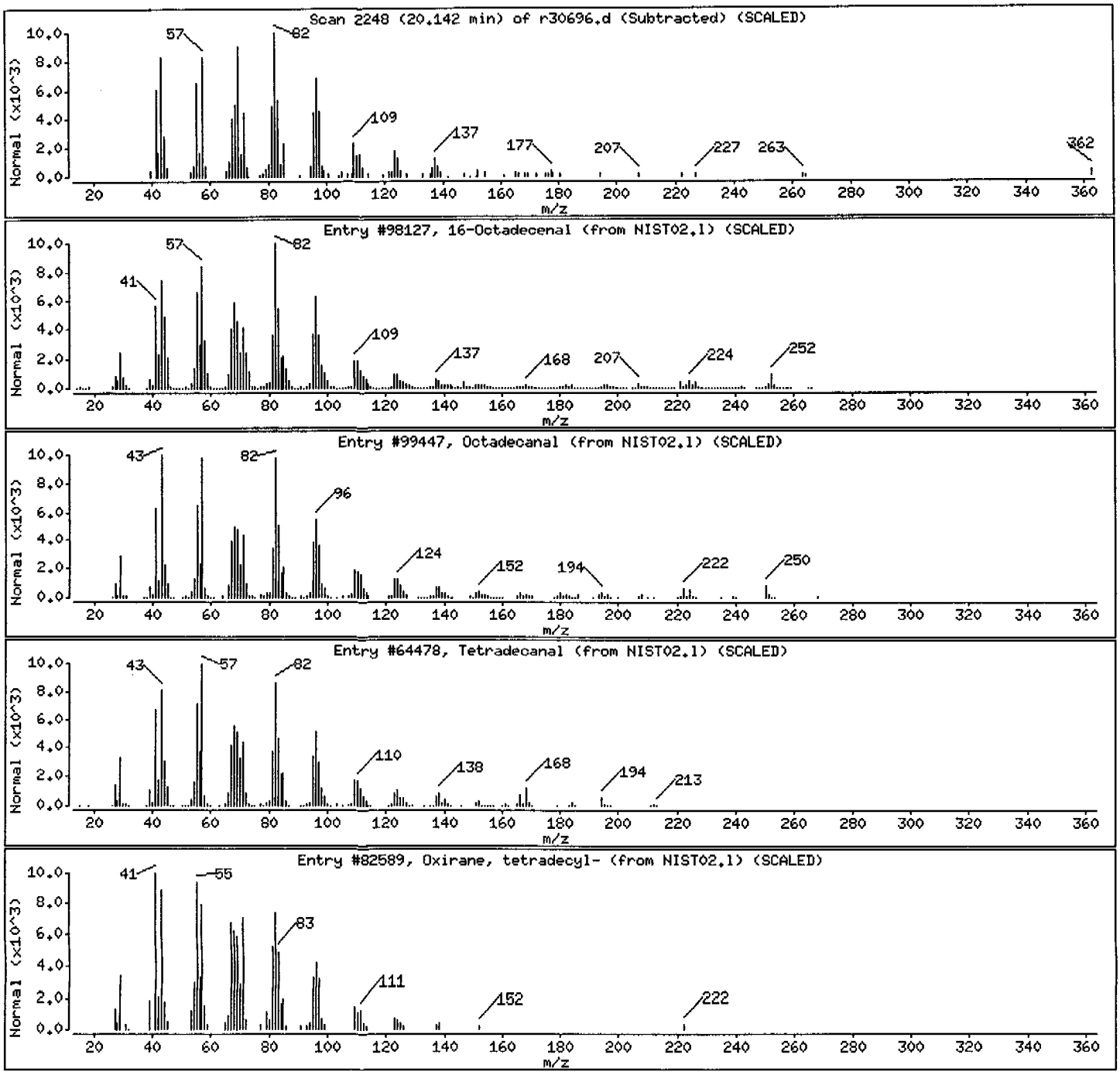
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
16-Octadecenal	56554-87-1	NIST02.1	98127	72	C18H340	266
Octadecanal	638-66-4	NIST02.1	99447	72	C18H360	268
Tetradecanal	124-25-4	NIST02.1	64478	72	C14H280	212
Oxirane, tetradecyl-	7320-37-8	NIST02.1	82589	62	C16H320	240



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

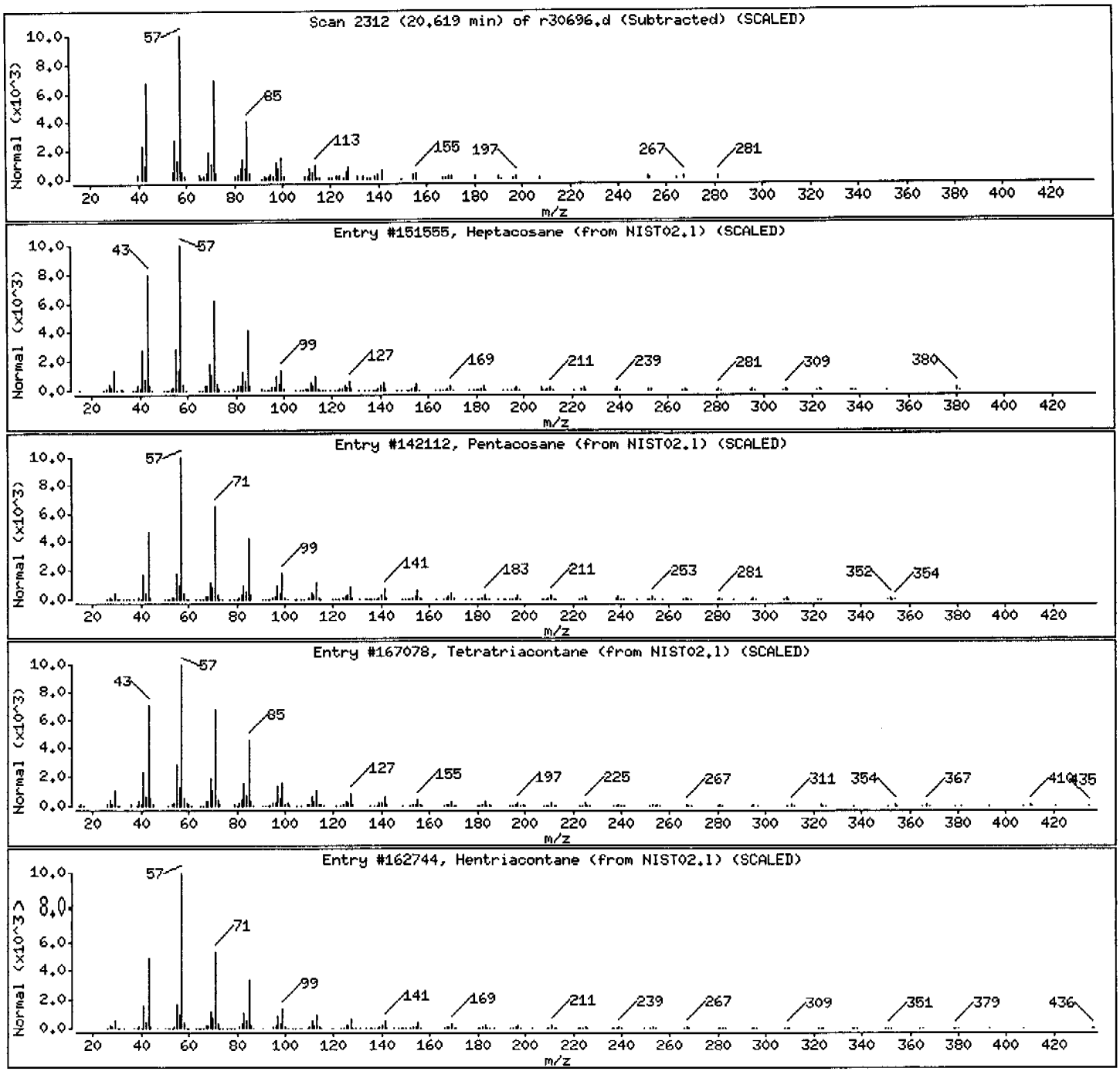
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptacosane	593-49-7	NIST02.l	151555	91	C27H56	380
Pentacosane	629-99-2	NIST02.l	142112	91	C25H52	352
Tetratriacontane	14167-59-0	NIST02.l	167078	90	C34H70	479
Hentriacontane	630-04-6	NIST02.l	162744	87	C31H64	437



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Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

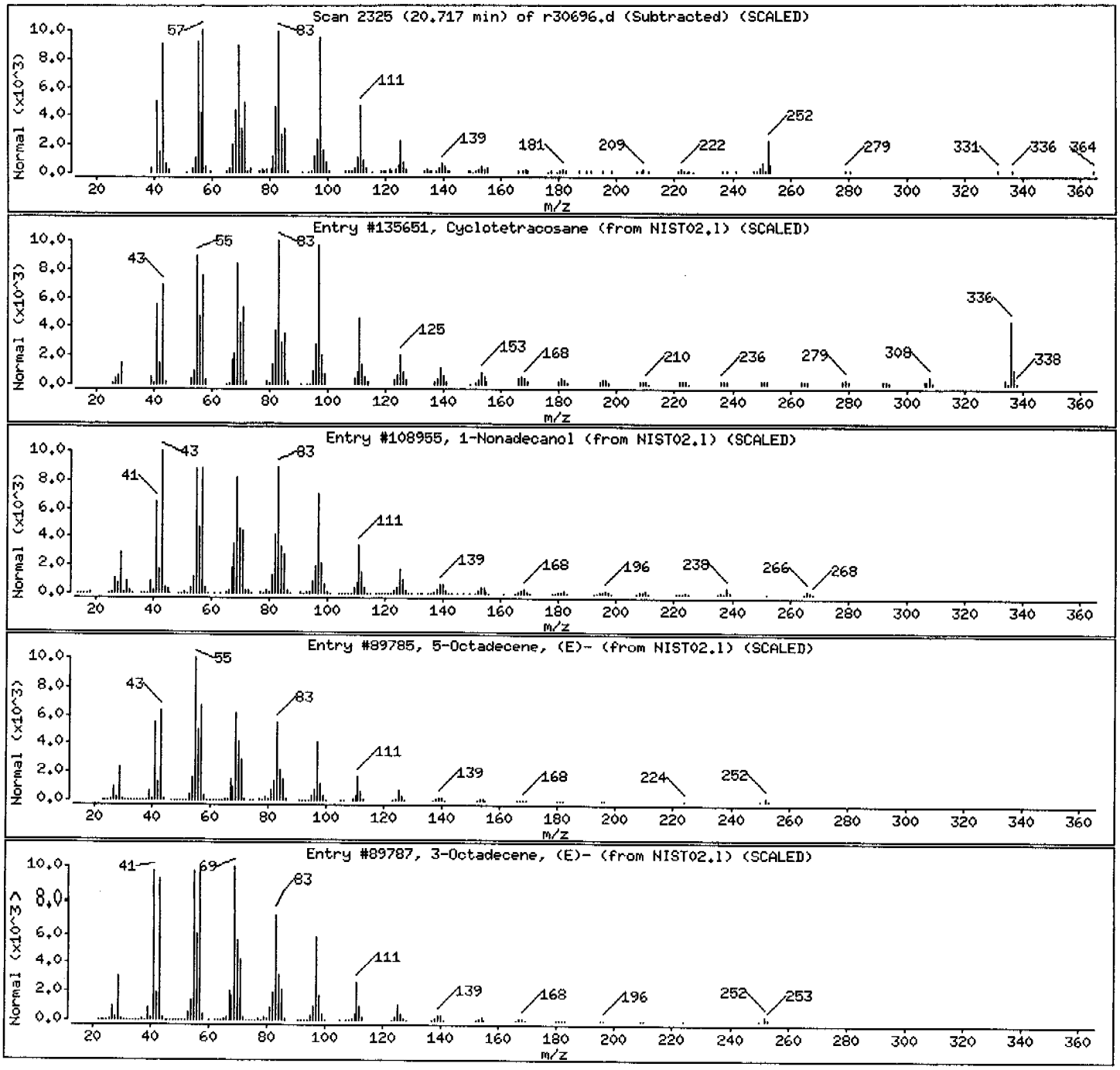
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetracosane	297-03-0	NIST02.l	135651	98	C24H48	336
1-Nonadecanol	1454-84-8	NIST02.l	108955	87	C19H400	284
5-Octadecene, (E)-	7206-21-5	NIST02.l	89785	83	C18H36	252
3-Octadecene, (E)-	7206-19-1	NIST02.l	89787	83	C18H36	252



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

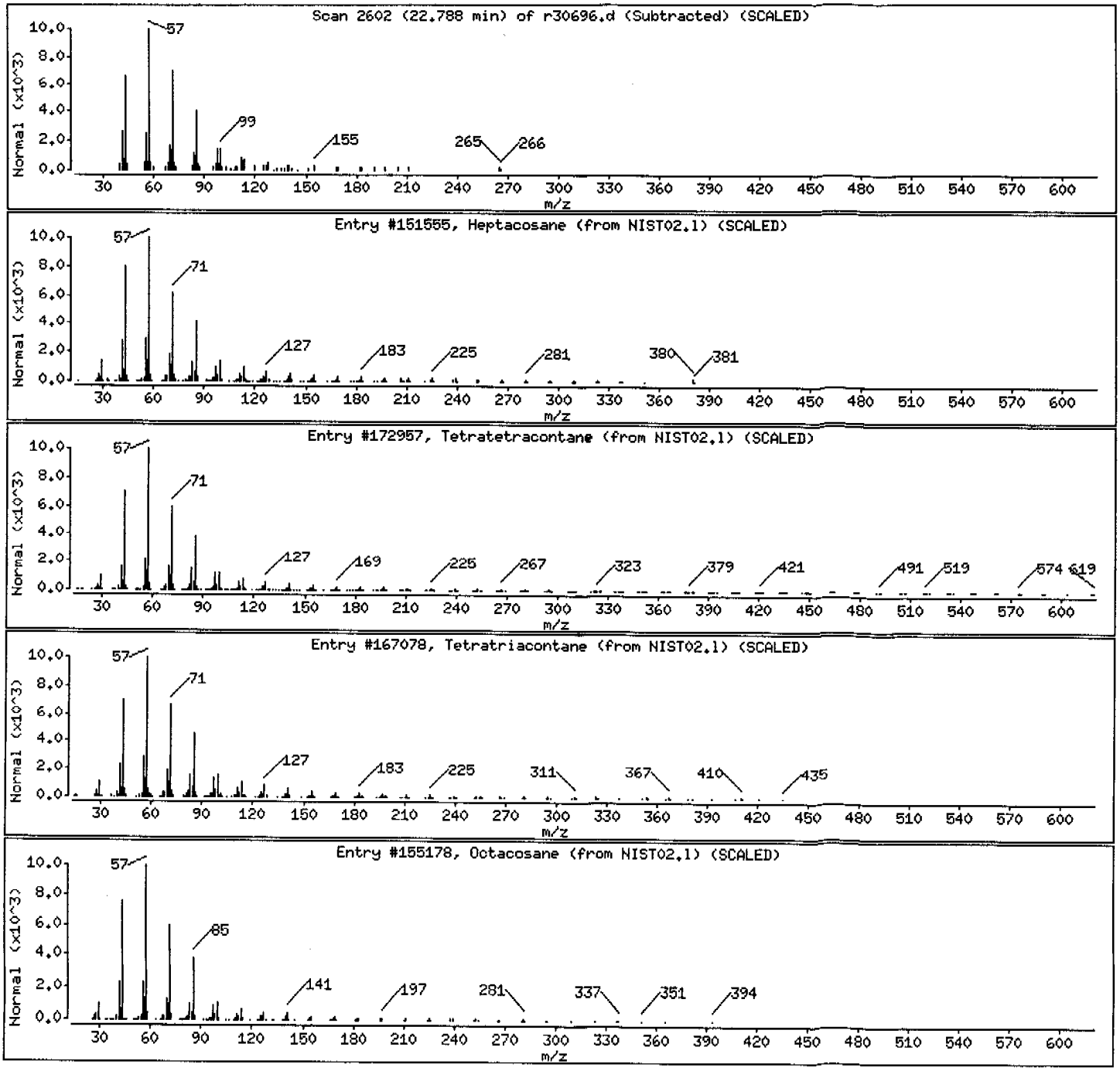
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptacosane	593-49-7	NIST02.l	151555	91	C27H56	380
Tetratetracontane	7098-22-8	NIST02.l	172957	91	C44H90	619
Tetratriacontane	14167-59-0	NIST02.l	167078	90	C34H70	479
Octacosane	630-02-4	NIST02.l	155178	87	C28H58	394



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30696.d

Date : 06-OCT-2006 15:57

Client ID: B1408-SS02D

Instrument: BNAMS1.i

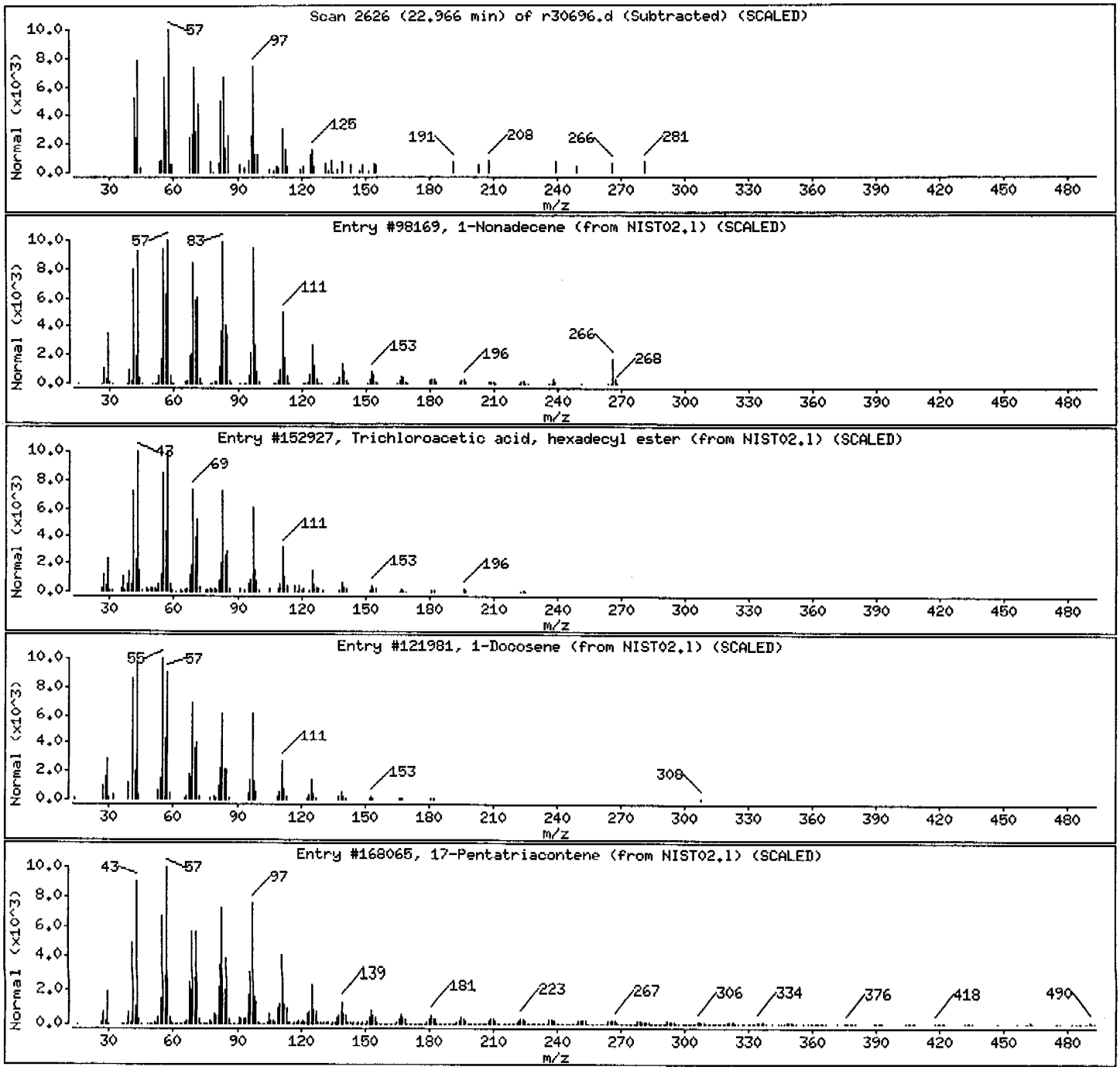
Sample Info: 775283;3281091

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Nonadecene	18435-45-5	NIST02.l	98169	87	C19H38	266
Trichloroacetic acid, hexadecyl ester	74339-54-1	NIST02.l	152927	70	C18H33Cl3O2	386
1-Docosene	1599-67-3	NIST02.l	121981	58	C22H44	308
17-Pentatriacontene	6971-40-0	NIST02.l	168065	49	C35H70	491



Client ID: **B1408-SS03**
Site: Sun Chemical SI

Lab Sample No: **775284**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30867.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	79
2-Methylnaphthalene	ND	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	790
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	79
3-Nitroaniline	ND	790
Acenaphthene	ND	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	79
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
4-Nitroaniline	ND	790
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	ND	390
Anthracene	ND	390

Client ID: **B1408-SS03**
Site: Sun Chemical SI

Lab Sample No: **775284**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30867.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	ND	390
Pyrene	ND	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	790
Benzo(a)anthracene	ND	39
Chrysene	ND	390
bis(2-Ethylhexyl)phthalate	120 J	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	ND	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	ND	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	ND	390

Client ID: **B1408-SS03**
Site: Sun Chemical SI

Lab Sample No: **775284**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30867.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 15.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30867.d
Report Date: 20-Oct-2006 14:34

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30867.d
Lab Smp Id: 775284 Client Smp ID: B1408-SS03
Inj Date : 19-OCT-2006 11:51
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775284;3281108
Misc Info : X924;SB291;QA4704
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/19oct06.b/8270C6-1.m
Meth Date : 20-Oct-2006 14:13 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	15.60000	% Moisture

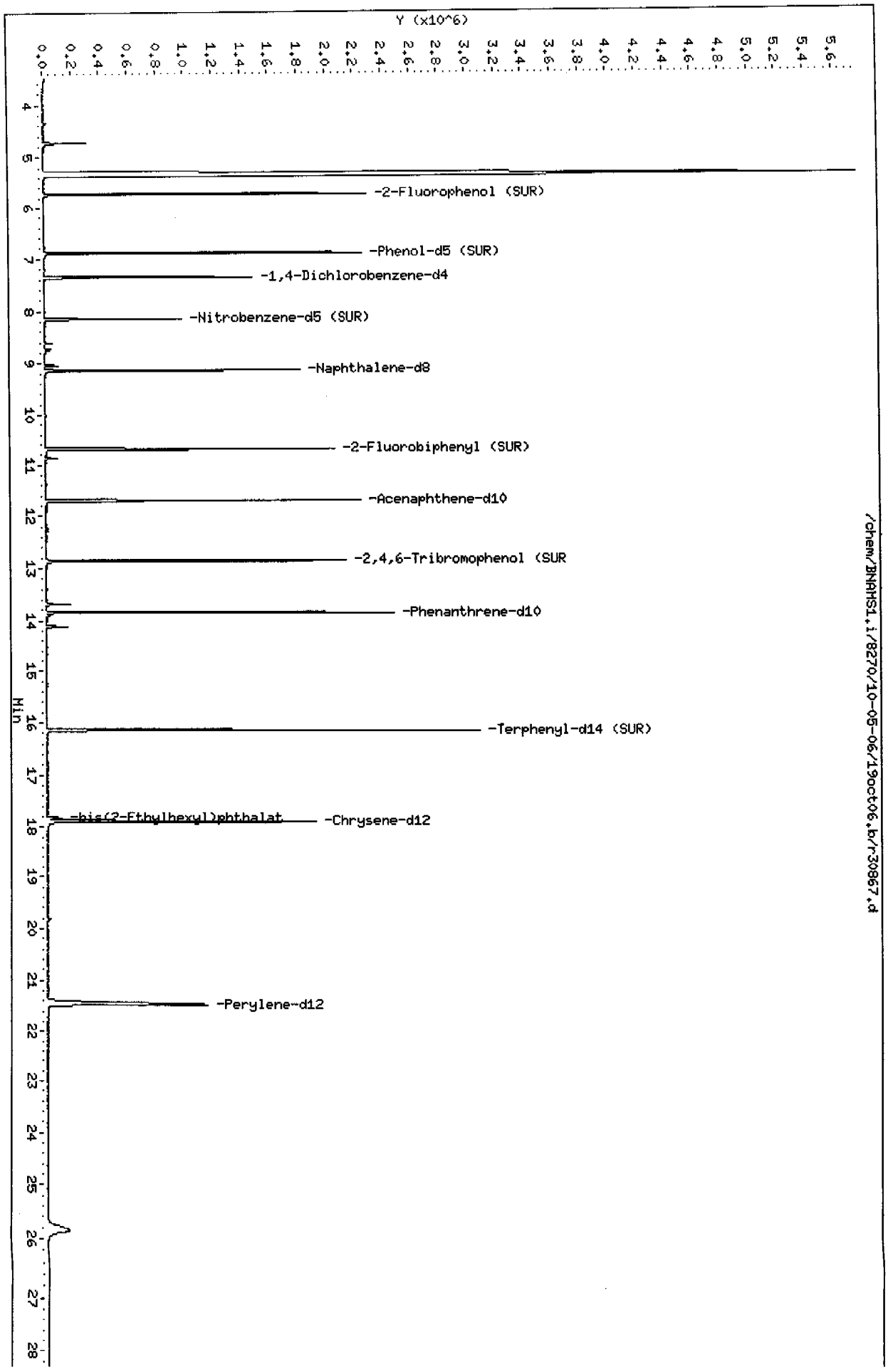
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.714	5.698	(0.777)	893456	76.6709	6000
$	17 Phenol-d5 (SUR)	99	6.887	6.881	(0.937)	1141026	78.7683	6200
*	79 1,4-Dichlorobenzene-d4	152	7.352	7.350	(1.000)	311151	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.145	8.151	(0.891)	424130	33.8562	2700
*	80 Naphthalene-d8	136	9.141	9.140	(1.000)	1222180	40.0000	
$	77 2-Fluorobiphenyl (SUR)	172	10.683	10.688	(0.913)	888520	34.6642	2700
*	82 Acenaphthene-d10	164	11.696	11.699	(1.000)	860384	40.0000	
$	18 2,4,6-Tribromophenol (SUR)	330	12.850	12.854	(1.099)	331051	69.9685	5500
*	83 Phenanthrene-d10	188	13.834	13.839	(1.000)	1343602	40.0000	
$	78 Terphenyl-d14 (SUR)	244	16.132	16.134	(0.902)	1399809	44.6283	3500
	63 bis(2-Ethylhexyl)phthalate	149	17.824	17.834	(0.996)	54774	1.46231	120(a)
*	81 Chrysene-d12	240	17.892	17.901	(1.000)	1427492	40.0000	
*	84 Perylene-d12	264	21.462	21.467	(1.000)	1331083	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30867.d
Report Date: 20-Oct-2006 14:34

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30867.d
Date : 19-OCT-2006 11:51
Client ID: B1408-SS03
Sample Info: 775284;3281108
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30867.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-bis(2-Ethylhexyl)phthalat
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30867.d

Date : 19-OCT-2006 11:51

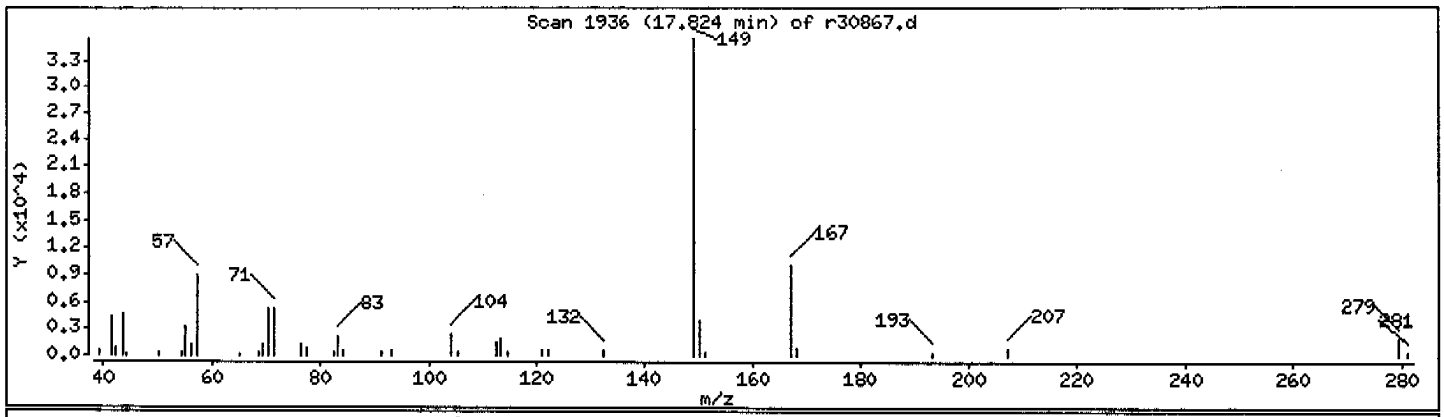
Client ID: B1408-SS03 Instrument: BNAMS1.i

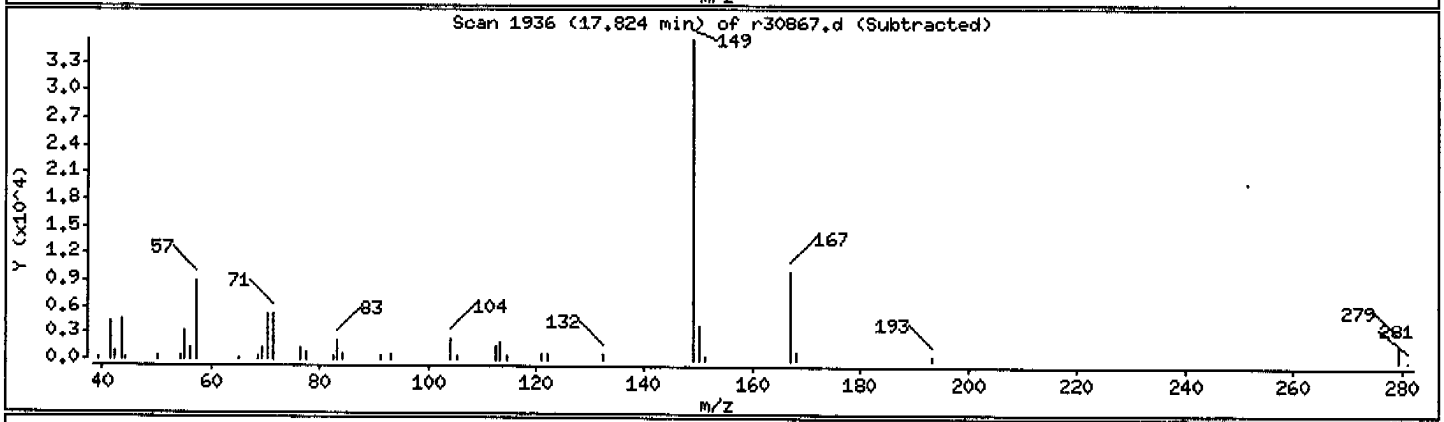
Sample Info: 775284;3281108

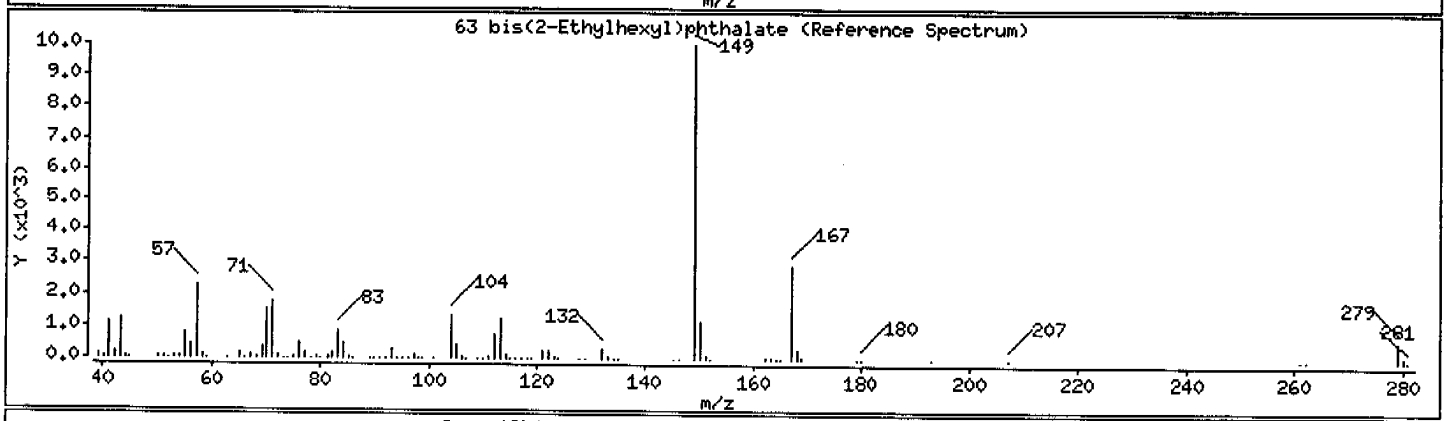
Operator: BNAMS 4

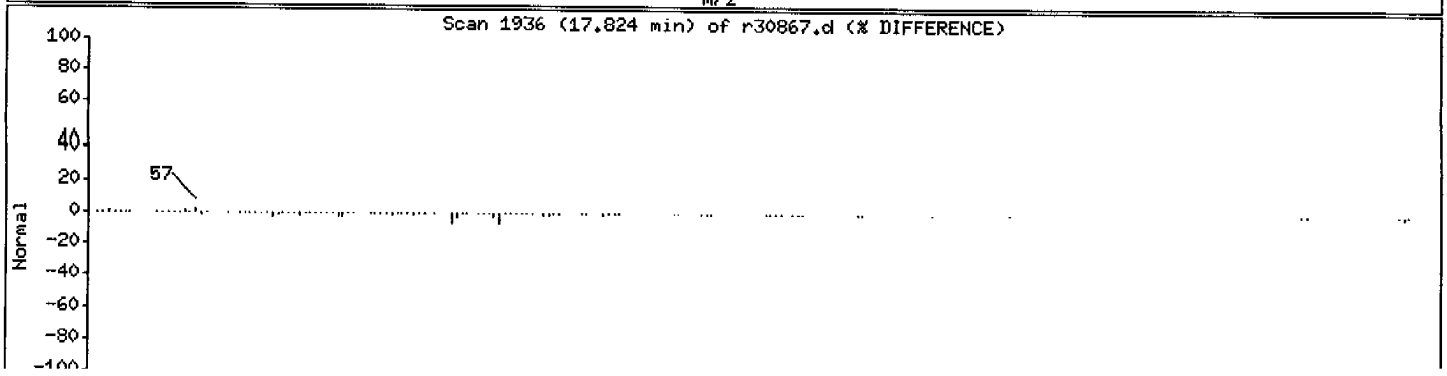
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 120 ug/Kg









Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample No: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30698.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	28 J	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	74
2-Methylnaphthalene	10 J	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	740
Dimethylphthalate	ND	370
Acenaphthylene	130 J	370
2,6-Dinitrotoluene	ND	74
3-Nitroaniline	ND	740
Acenaphthene	12 J	370
Dibenzofuran	9.5J	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
4-Nitroaniline	ND	740
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	260 J	370
Anthracene	75 J	370

Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample No: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30698.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	37 J	370
Di-n-butylphthalate	ND	370
Fluoranthene	790	370
Pyrene	800	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	1100	37
Chrysene	520	370
bis(2-Ethylhexyl)phthalate	130 J	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	570	37
Benzo(k)fluoranthene	620	37
Benzo(a)pyrene	580	37
Indeno(1,2,3-cd)pyrene	190	37
Dibenz(a,h)anthracene	79	37
Benzo(g,h,i)perylene	170 J	370

Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample No: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30698.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	17.59	420	
2.	C18H12 PAH	18.66	5500	
3.	Unknown	18.96	580	
4.	2,2'-Dinaphthyl ether	19.03	2700	
5.	Naphthalene, 1-(2-naphthalenyloxy)-	19.30	370	
6.	Unknown	20.14	1200	
7.	Unknown Alkane	20.62	780	
8.	Unknown	20.73	3800	
9.	C20H12 PAH	21.49	490	
10.	Unknown	22.21	780	
11.	Unknown Alkane	22.79	1000	
12.	Unknown	24.70	760	
13.	Unknown Alkane	25.30	400	
14.	Unknown	25.53	490	
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION 19270

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d
Lab Smp Id: 775285 Client Smp ID: B1405-SS01
Inj Date : 06-OCT-2006 17:12
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775285;3281125
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	9.70000	% Moisture

Cpnd Variable Local Compound Variable

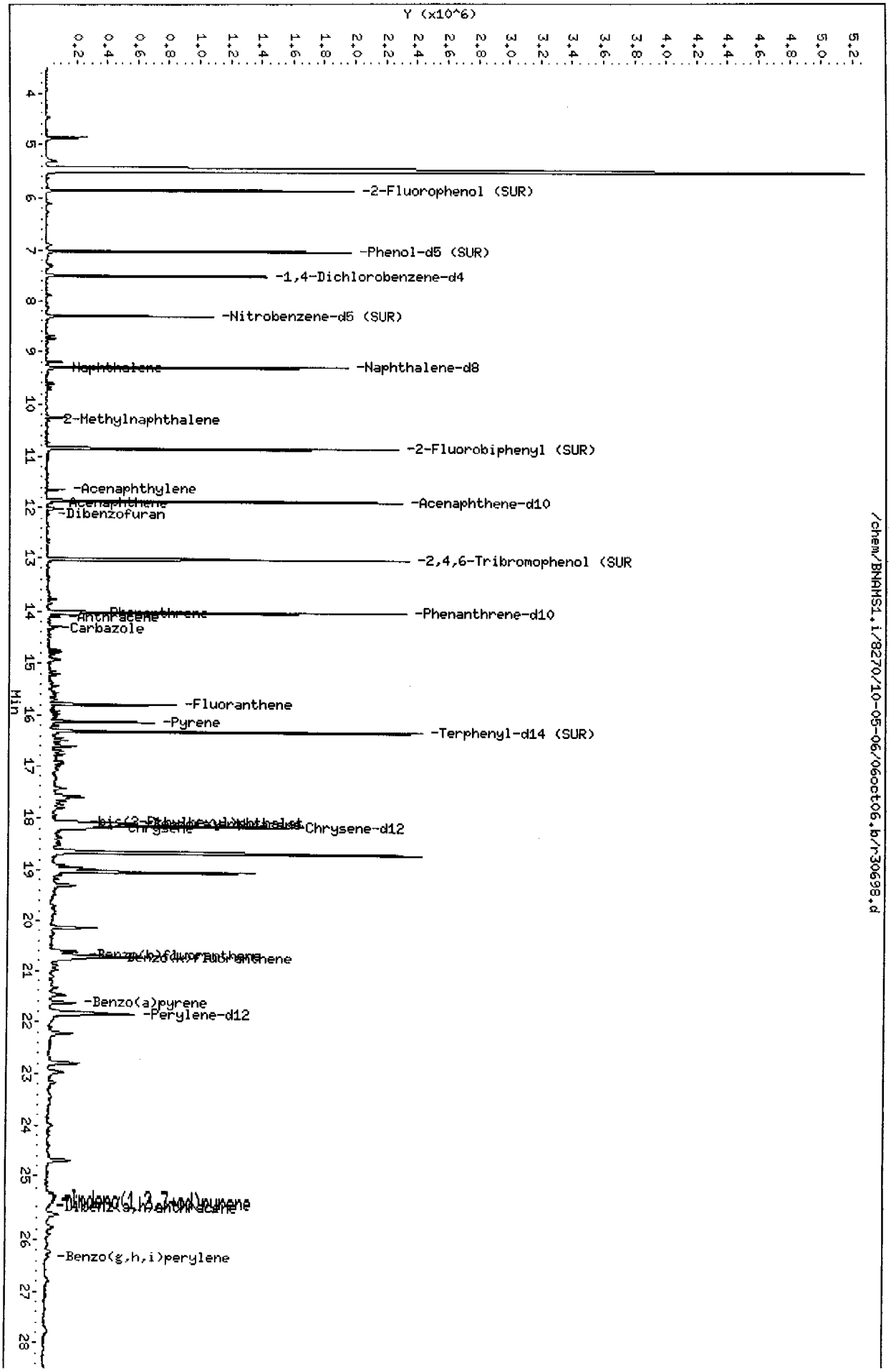
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.848	5.826	(0.779)	836283	69.9117	5200
$ 17 Phenol-d5 (SUR)	99	7.021	7.012	(0.935)	1068479	71.8556	5300
* 79 1,4-Dichlorobenzene-d4	152	7.511	7.499	(1.000)	319398	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.310	8.302	(0.893)	455697	36.2068	2700
* 80 Naphthalene-d8	136	9.303	9.293	(1.000)	1227893	40.0000	
31 Naphthalene	128	9.333	9.330	(1.003)	11846	0.38598	28(a)
34 2-Methylnaphthalene	142	10.308	10.304	(1.108)	2947	0.13730	10(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.855	10.848	(0.914)	918555	36.4436	2700
39 Acenaphthylene	152	11.648	11.641	(0.981)	62906	1.78018	130(a)
* 82 Acenaphthene-d10	164	11.871	11.858	(1.000)	846038	40.0000	
42 Acenaphthene	154	11.909	11.910	(1.003)	3421	0.15929	12(a)
43 Dibenzofuran	168	12.137	12.135	(1.022)	4321	0.12932	9.5(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	13.028	13.021	(1.097)	348191	74.8389	5500
* 83 Phenanthrene-d10	188	14.019	14.005	(1.000)	1260765	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d
Report Date: 08-Oct-2006 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	52 Phenanthrene	178	14.048	14.043	(1.002)	130521	3.49668	260(a)
	53 Anthracene	178	14.108	14.111	(1.006)	38145	1.02204	75(a)
	54 Carbazole	167	14.330	14.333	(1.022)	17691	0.50196	37(a)
	56 Fluoranthene	202	15.789	15.790	(1.126)	411400	10.7507	790
	57 Pyrene	202	16.122	16.124	(0.889)	393538	10.8827	800
$	78 Terphenyl-d14 (SUR)	244	16.309	16.302	(0.899)	1092739	44.0793	3200
	63 bis(2-Ethylhexyl)phthalate	149	18.060	18.048	(0.996)	53665	1.81274	130(a)
	61 Benzo(a)anthracene	228	18.090	18.093	(0.997)	450858	14.5252	1100
*	81 Chrysene-d12	240	18.139	18.137	(1.000)	1128228	40.0000	
	62 Chrysene	228	18.182	18.190	(1.002)	202047	6.98519	520
	65 Benzo(b)fluoranthene	252	20.680	20.711	(0.947)	166967	7.72409	570(H)
	66 Benzo(k)fluoranthene	252	20.740	20.779	(0.949)	157092	8.37270	620
	67 Benzo(a)pyrene	252	21.642	21.672	(0.991)	143627	7.89858	580
*	84 Perylene-d12	264	21.846	21.844	(1.000)	566581	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	25.349	25.392	(1.160)	45433	2.52004	190
	69 Dibenz(a,h)anthracene	278	25.409	25.458	(1.163)	15458	1.06919	79(H)
	70 Benzo(g,h,i)perylene	276	26.345	26.408	(1.206)	36353	2.31467	170(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d
Date : 06-OCT-2006 17:12
Client ID: E1405-SS01
Sample Info: 775285;3281125
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BN&MS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
Chrysene-d12
-Benzo(a)pyrene
-Perylene-d12
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

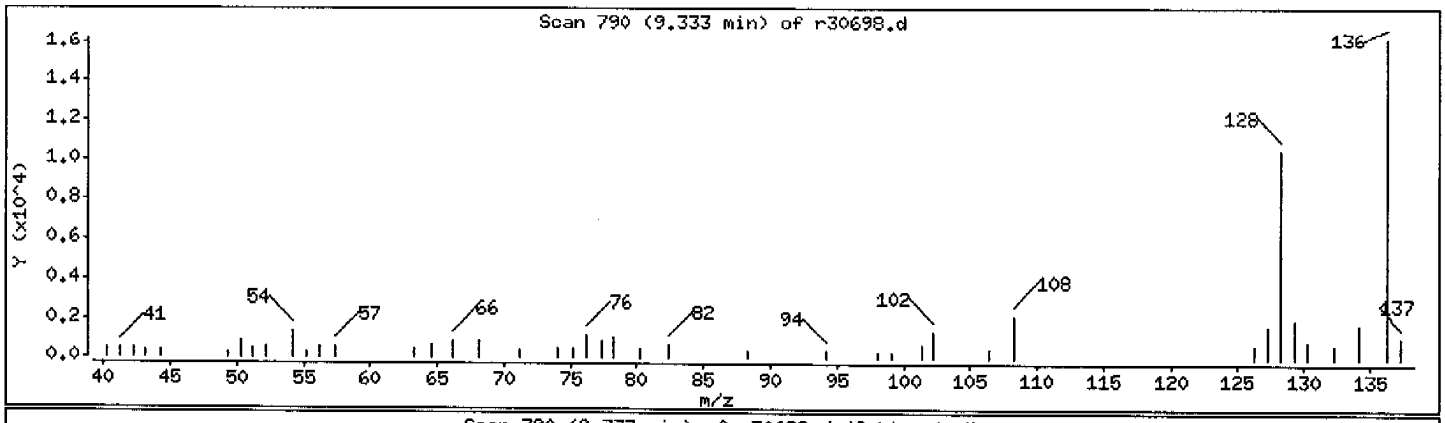
Client ID: B1405-SS01 Instrument: BNAMS1.i

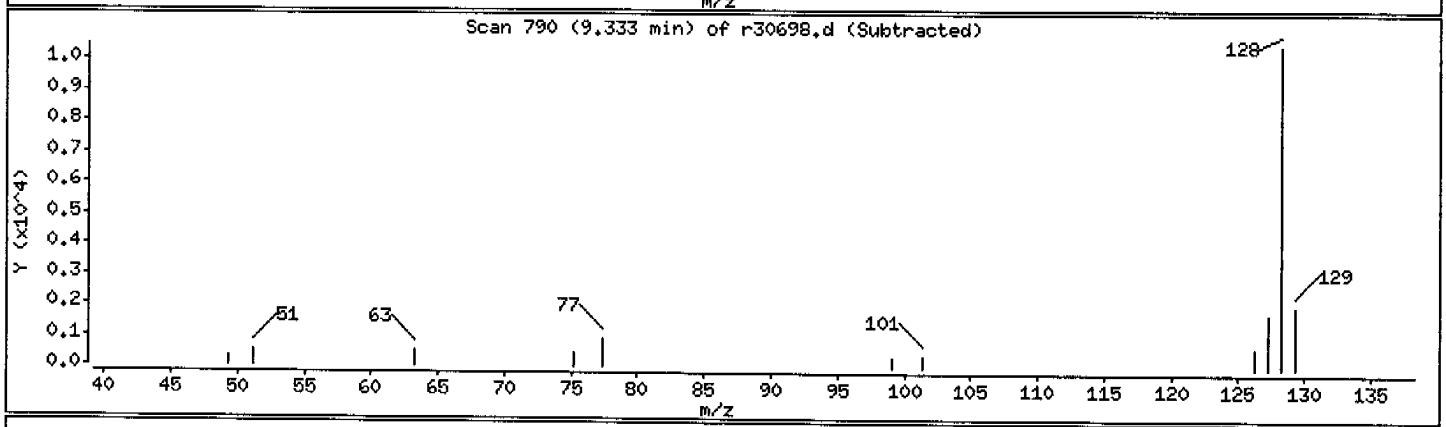
Sample Info: 775285;3281125

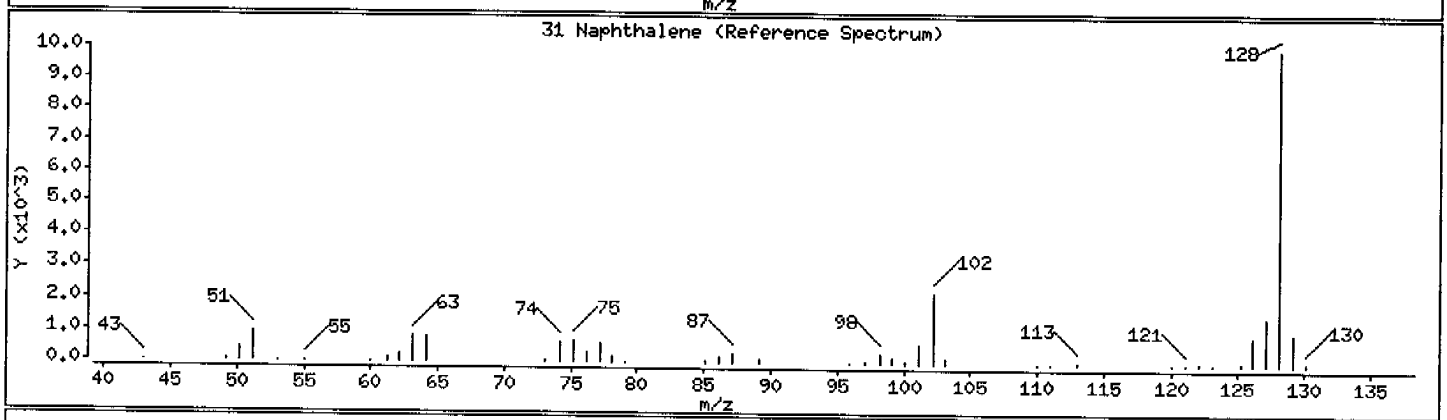
Operator: BNAMS 4

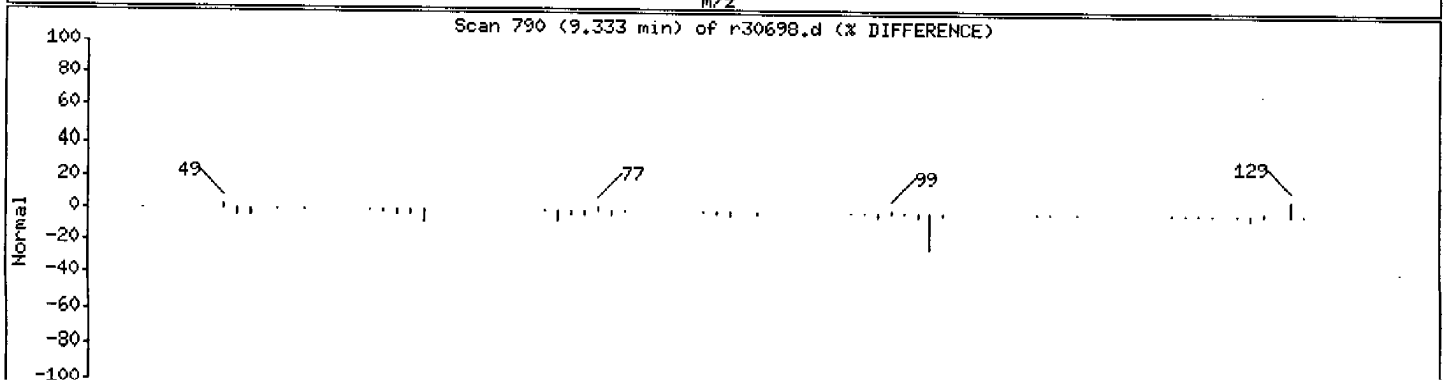
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 28 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

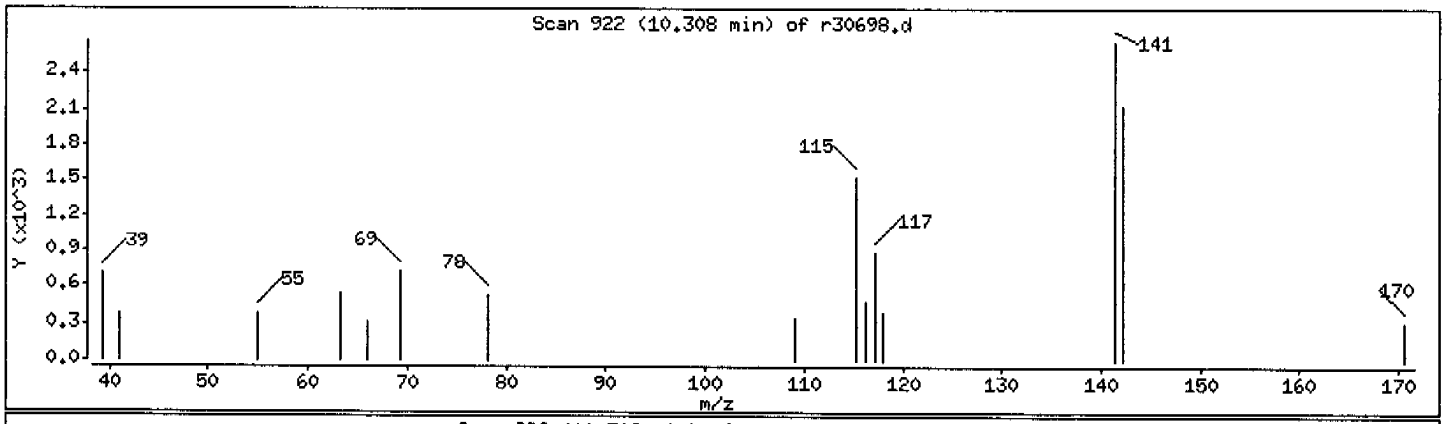
Client ID: B1405-SS01 Instrument: BNAMS1.i

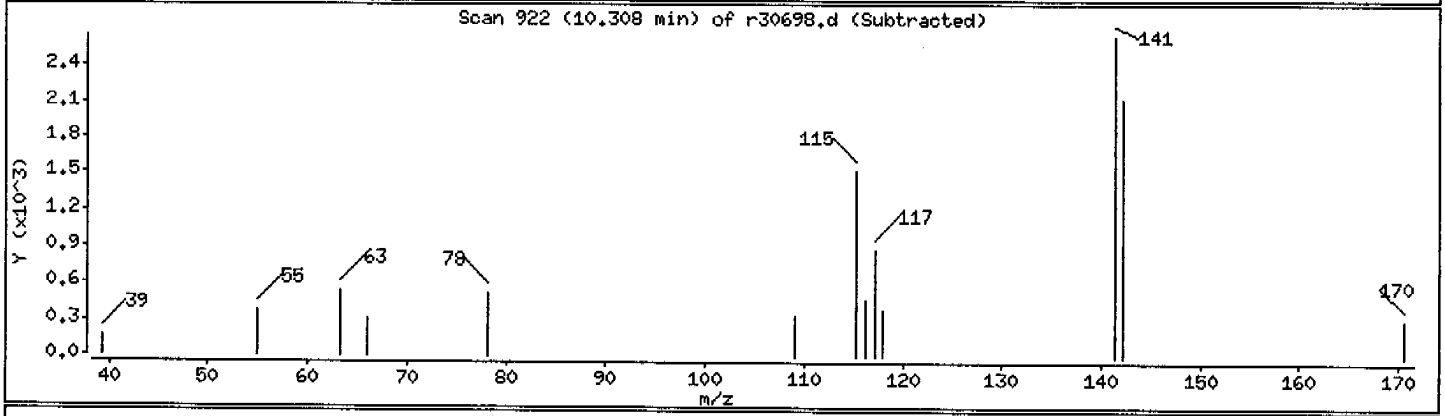
Sample Info: 775285;3281125

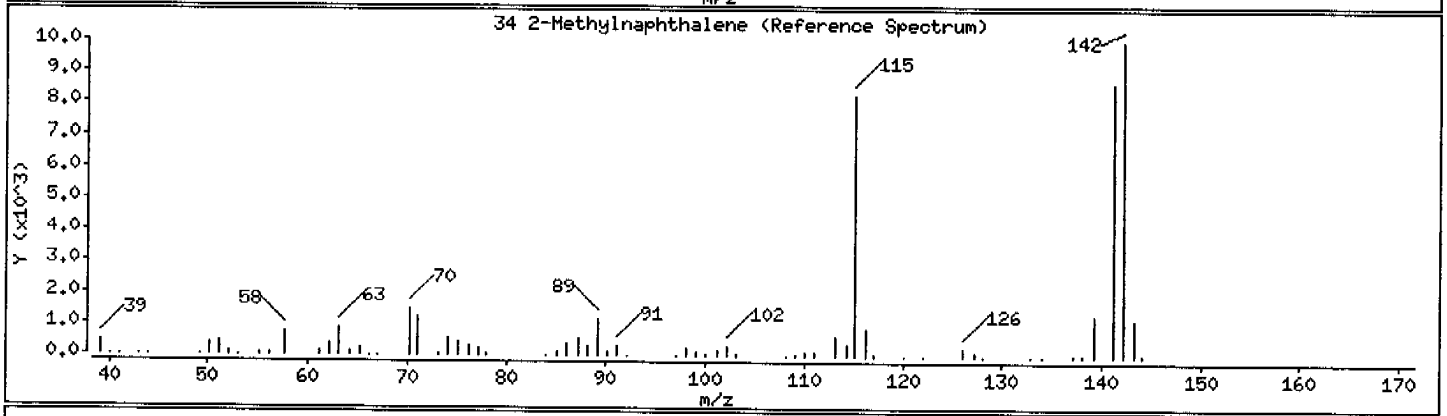
Operator: BNAMS 4

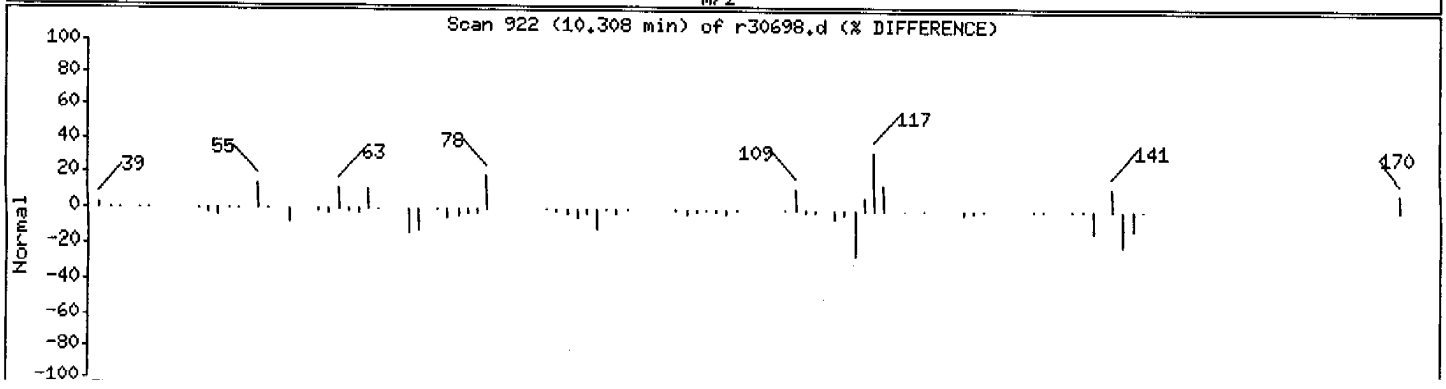
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 10 ug/Kg









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Date : 06-OCT-2006 17:12

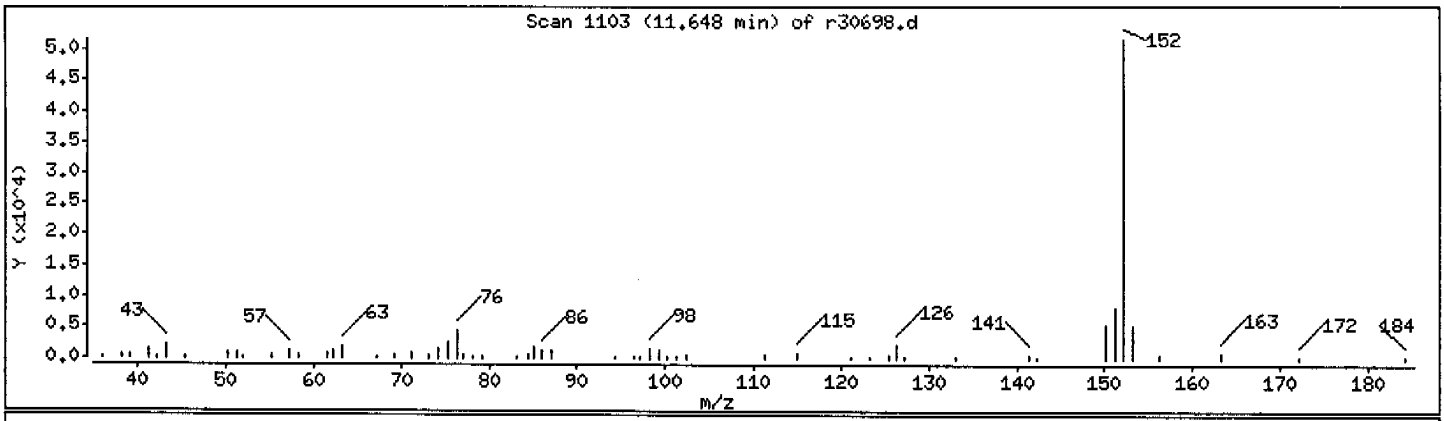
Client ID: B1405-SS01 Instrument: BNAMS1.i

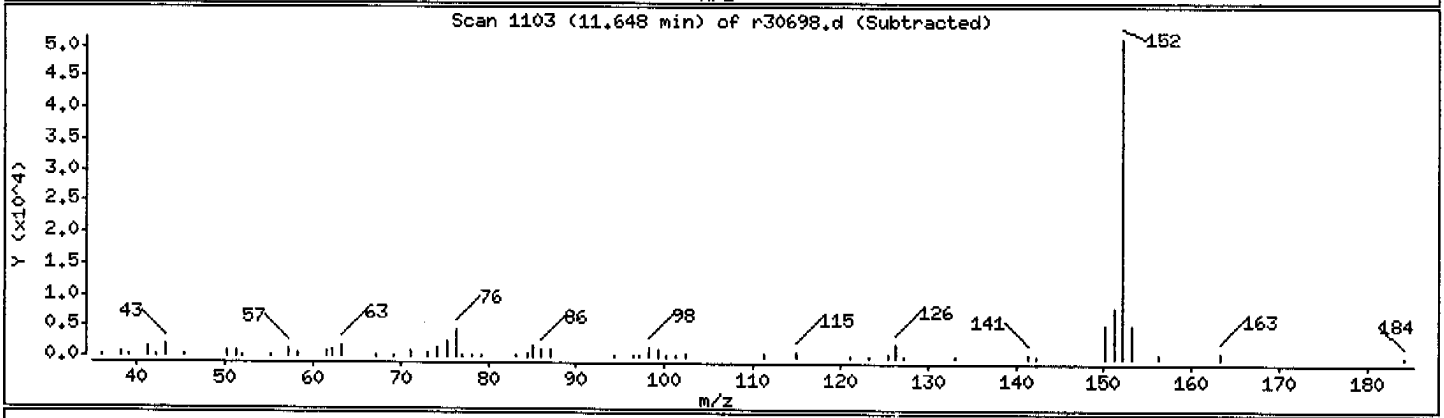
Sample Info: 775285;3281125

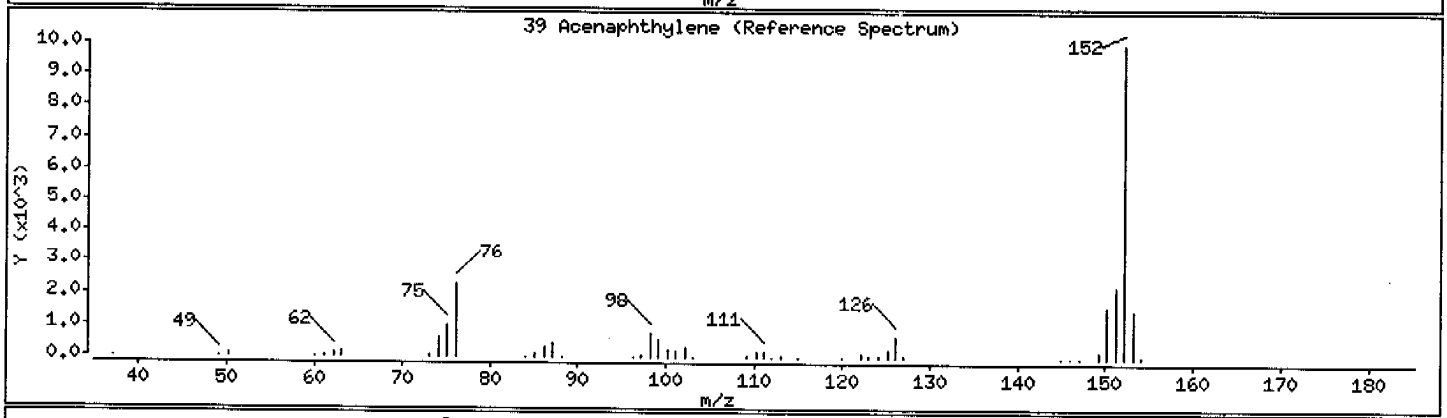
Operator: BNAMS 4

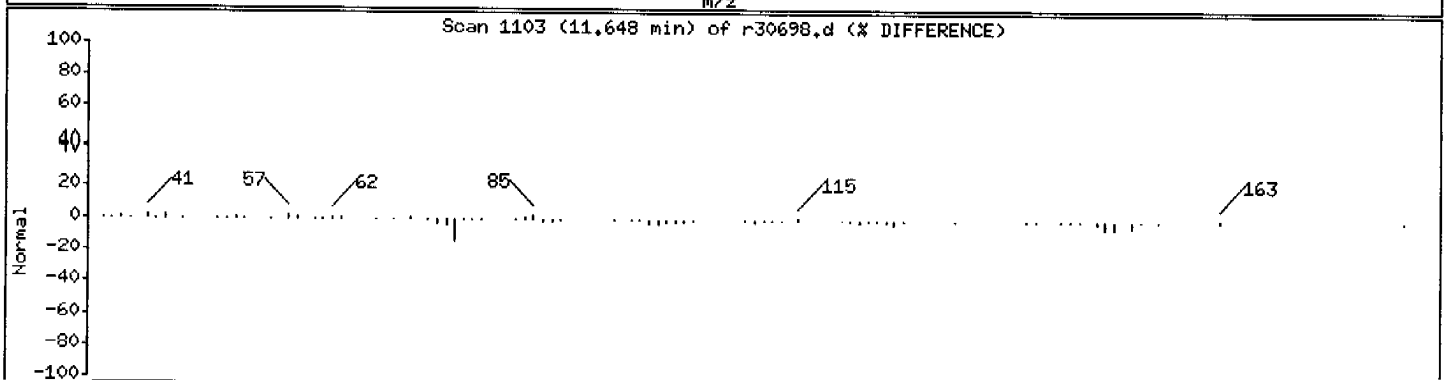
Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 130 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

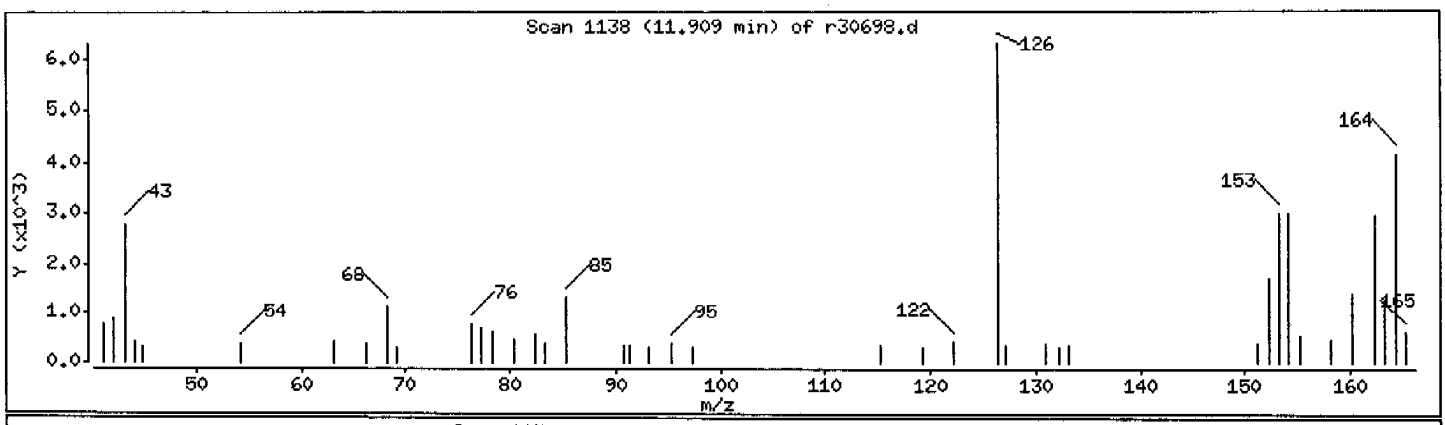
Client ID: B1405-SS01 Instrument: BNAMS1.i

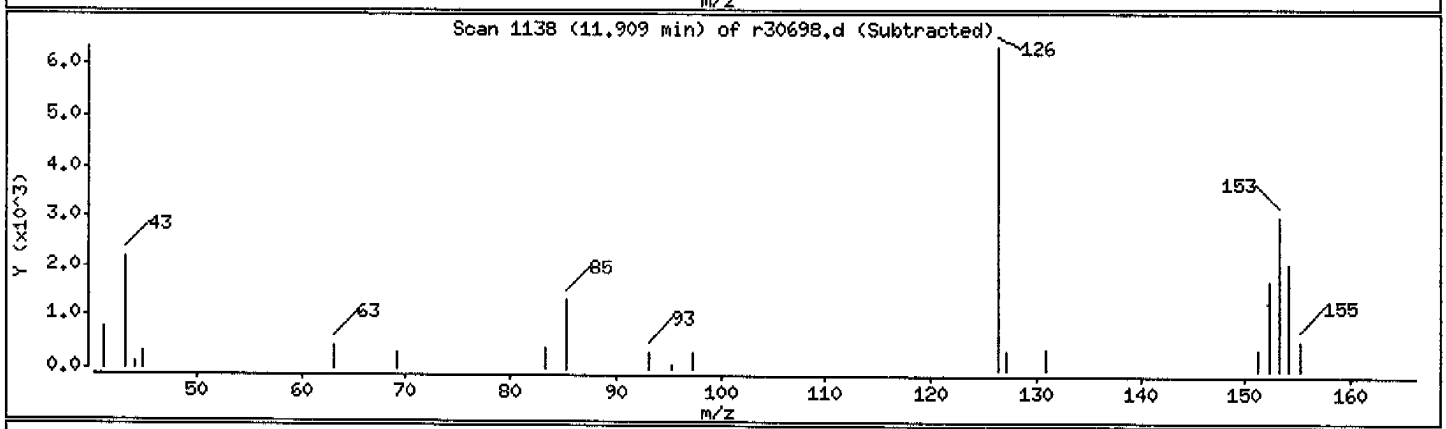
Sample Info: 775285;3281125

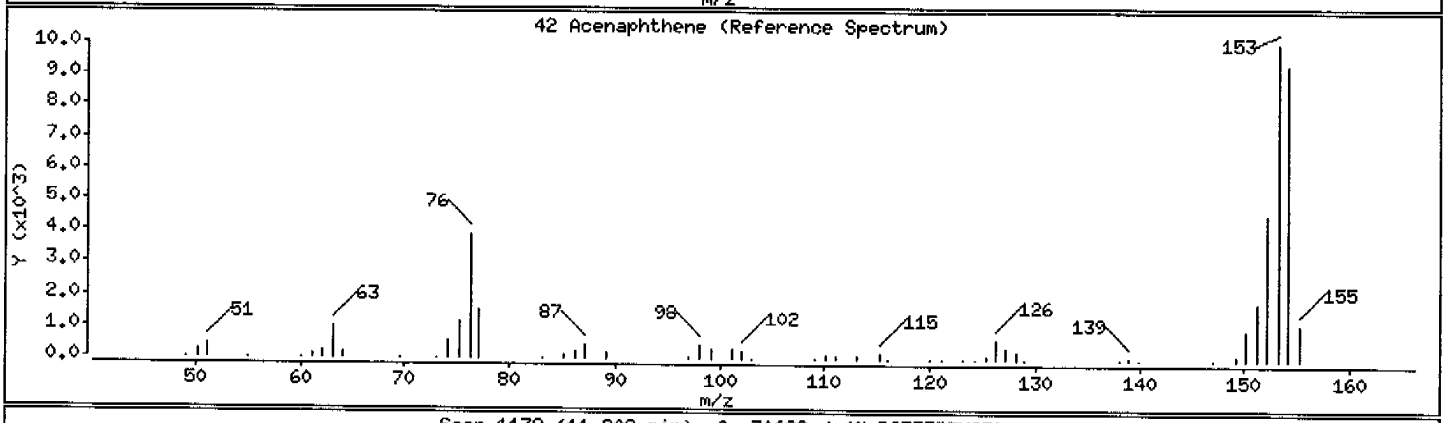
Operator: BNAMS 4

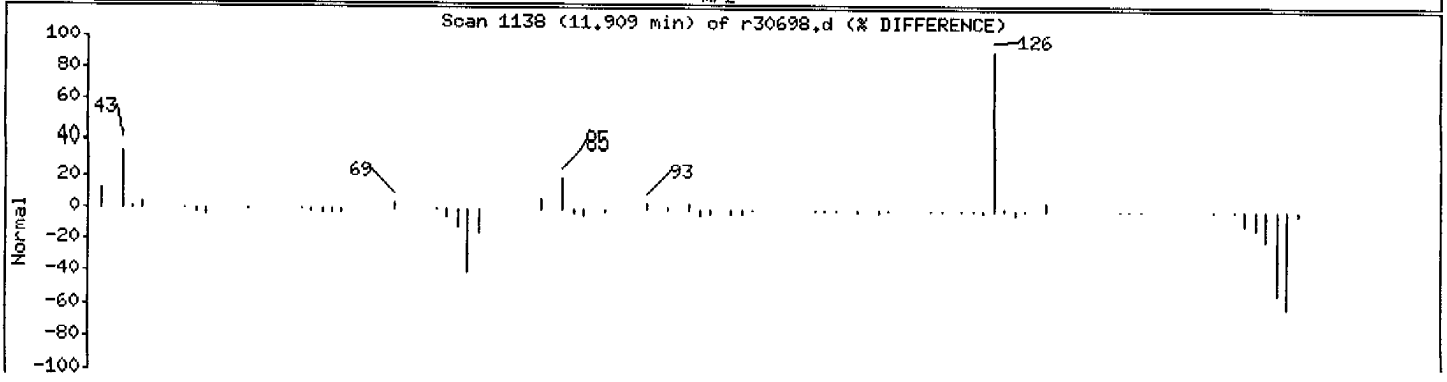
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 12 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

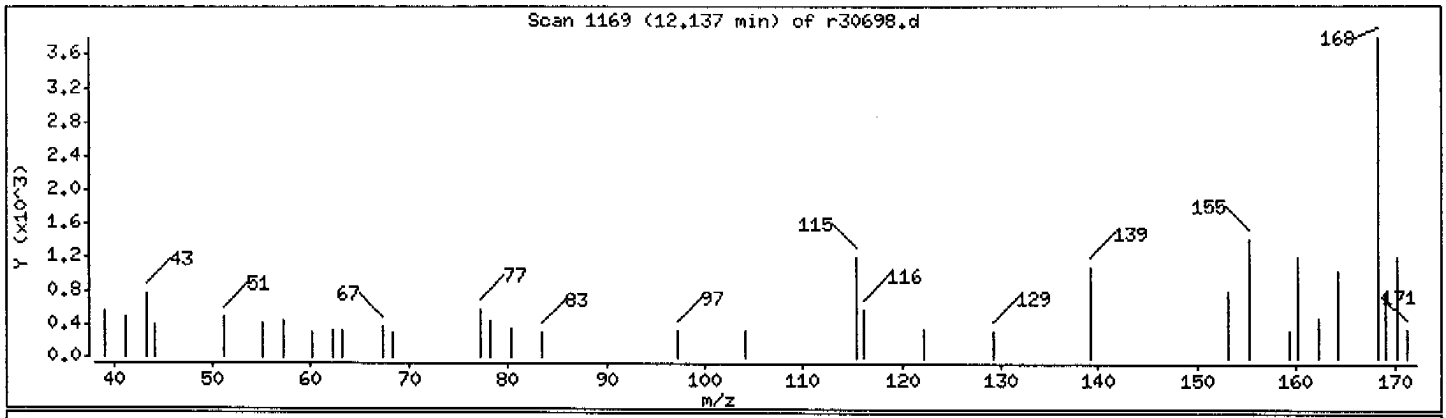
Client ID: B1405-SS01 Instrument: BNAMS1.i

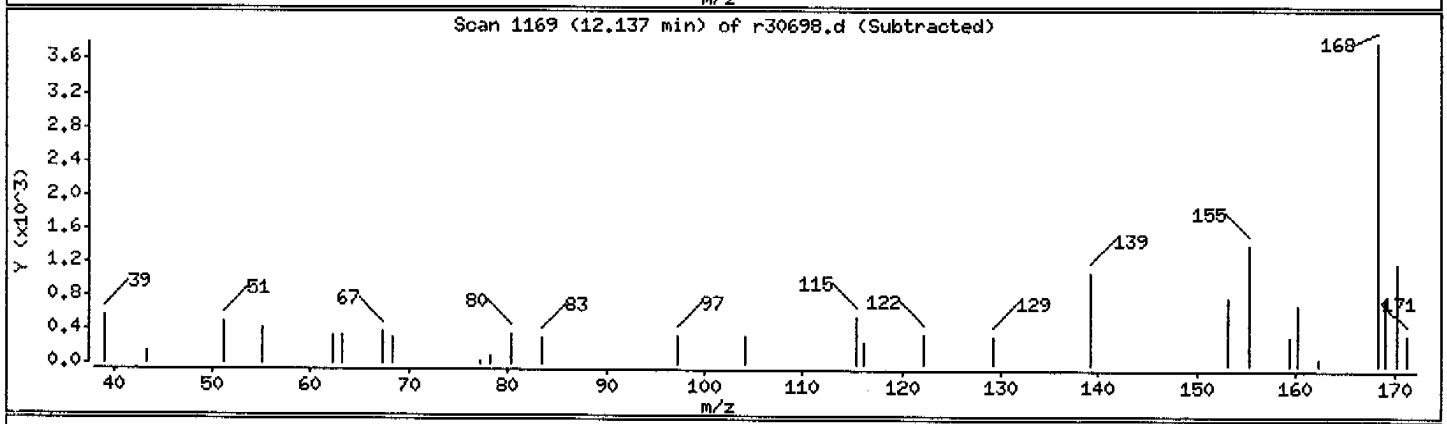
Sample Info: 775285;3281125

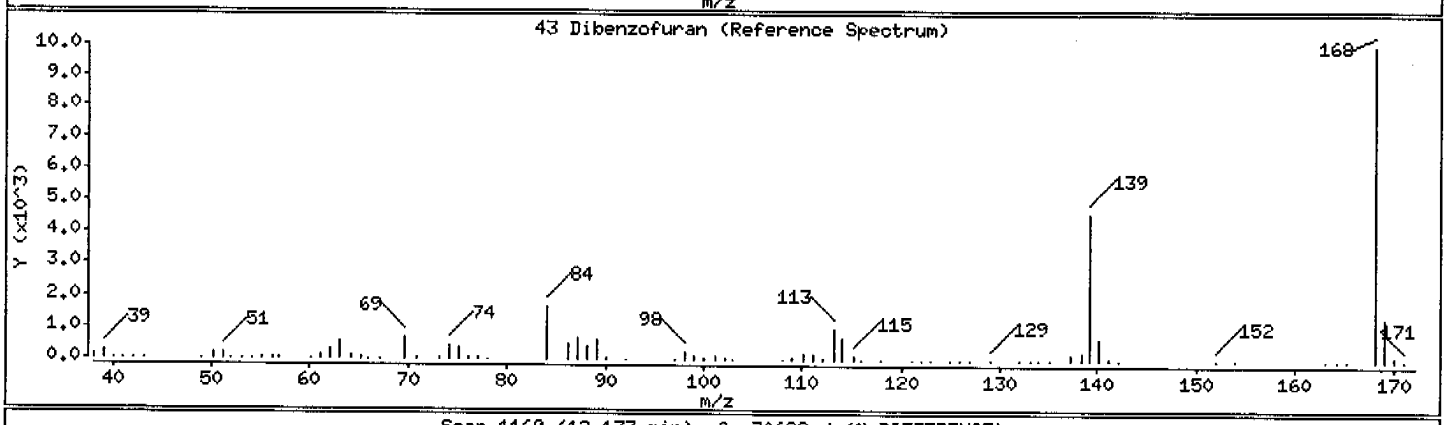
Operator: BNAMS 4

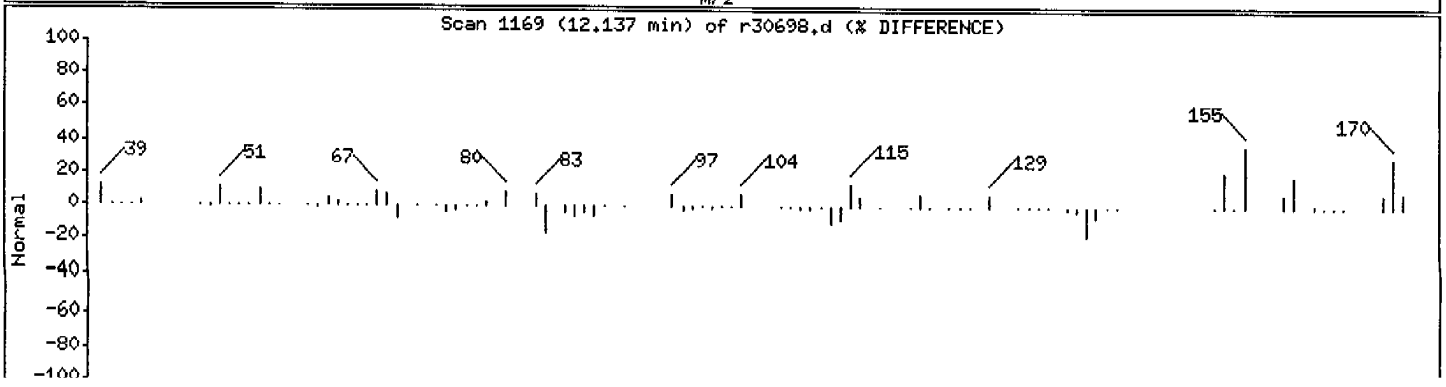
Column phase: DB-5 Column diameter: 0.25

43 Dibenzofuran Concentration: 9.5 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

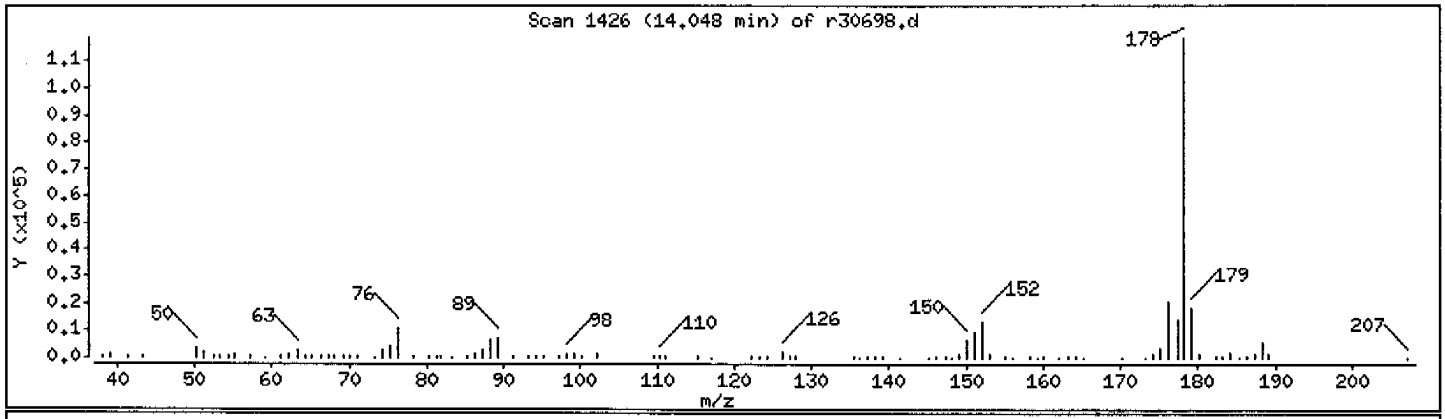
Client ID: B1405-SS01 Instrument: BNAMS1.i

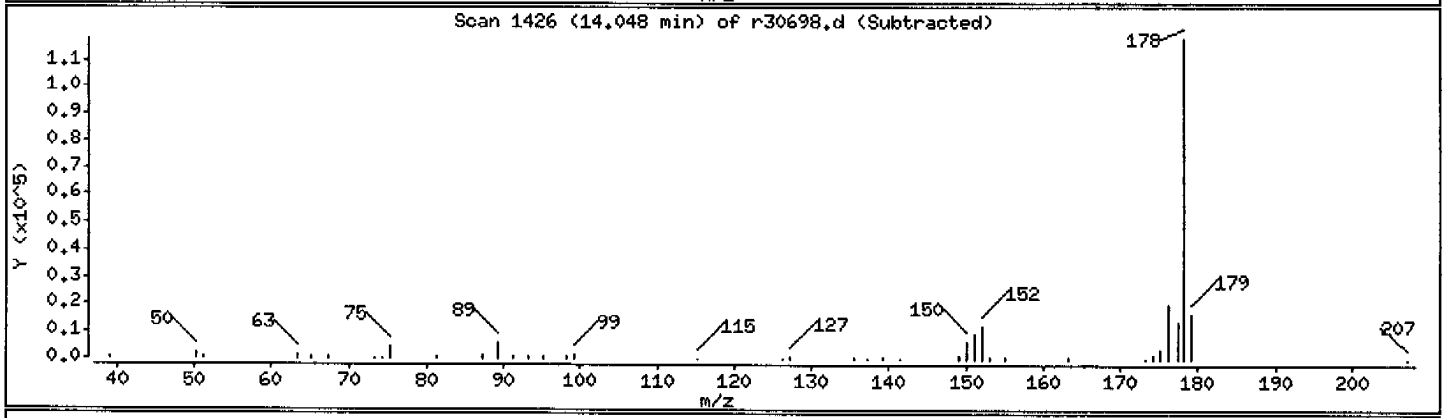
Sample Info: 775285;3281125

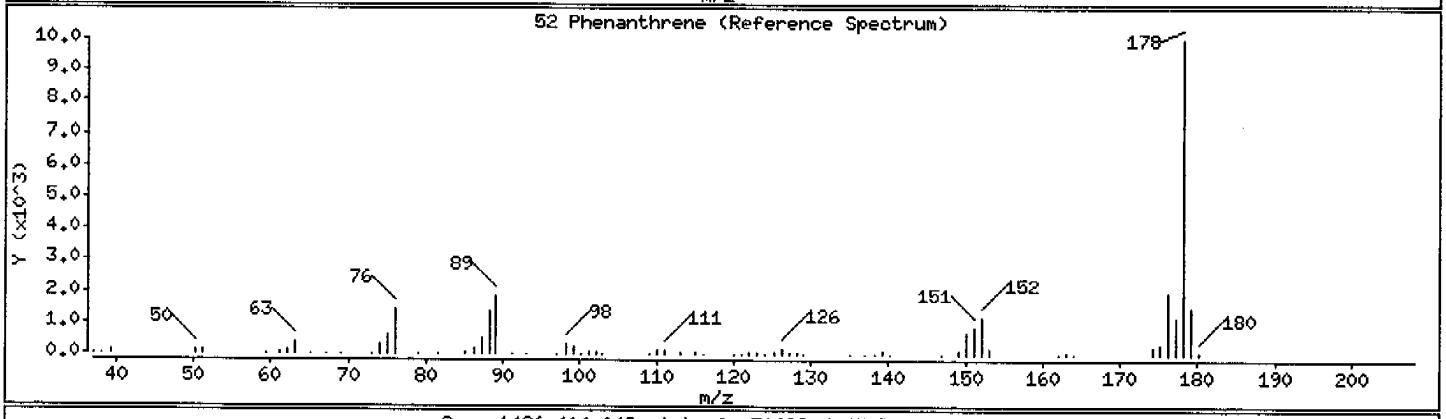
Operator: BNAMS 4

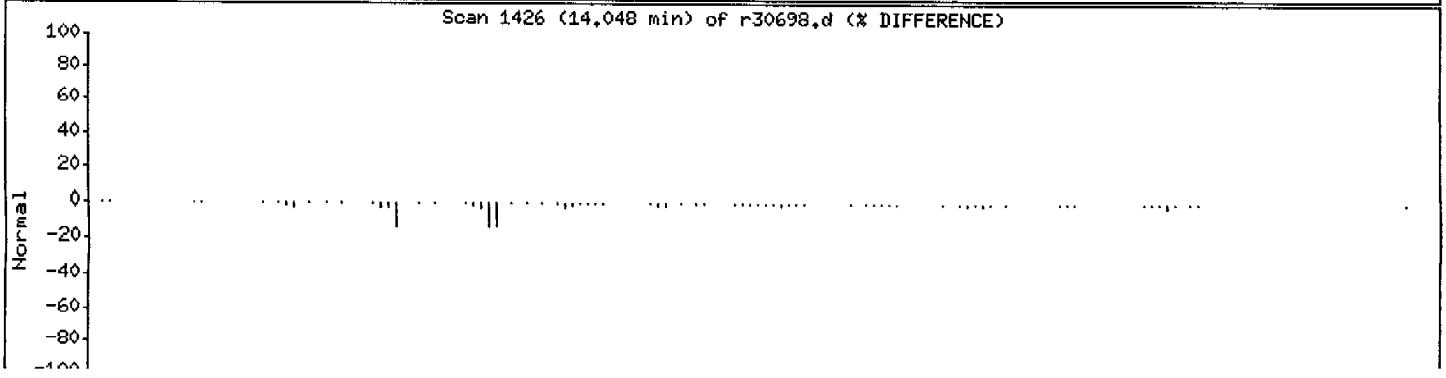
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 260 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

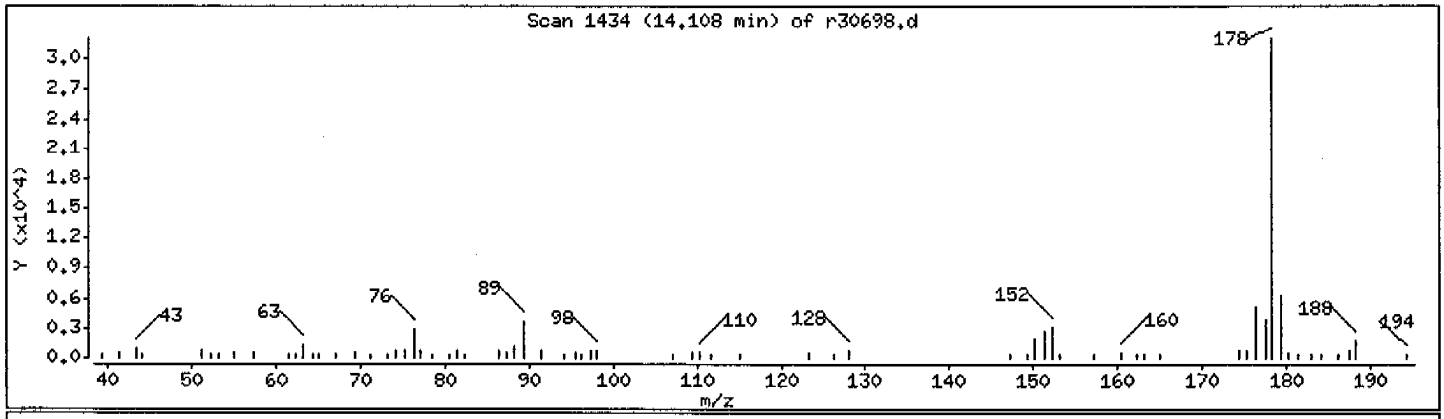
Client ID: B1405-SS01 Instrument: BNAMS1.i

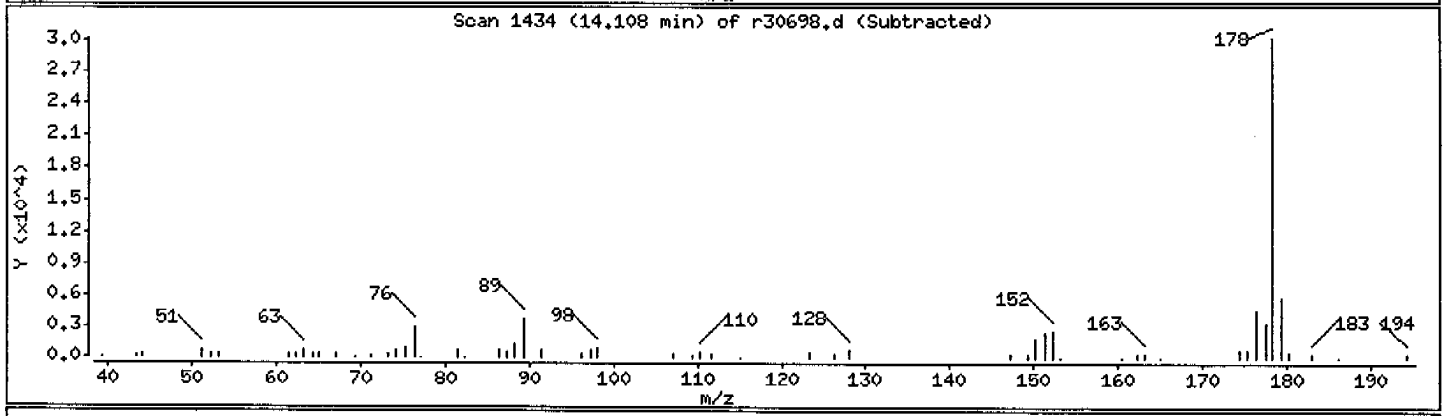
Sample Info: 775285;3281125

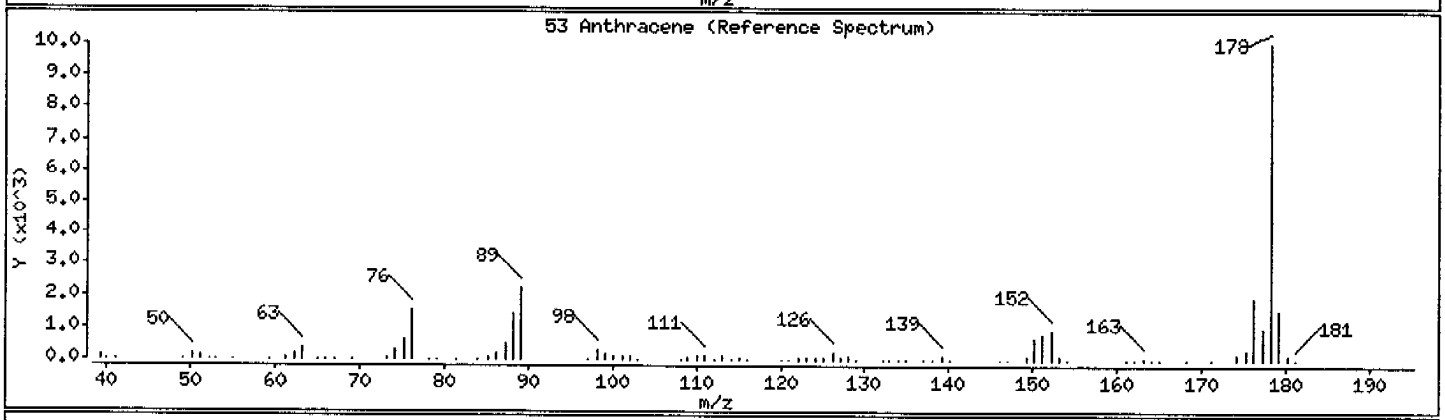
Operator: BNAMS 4

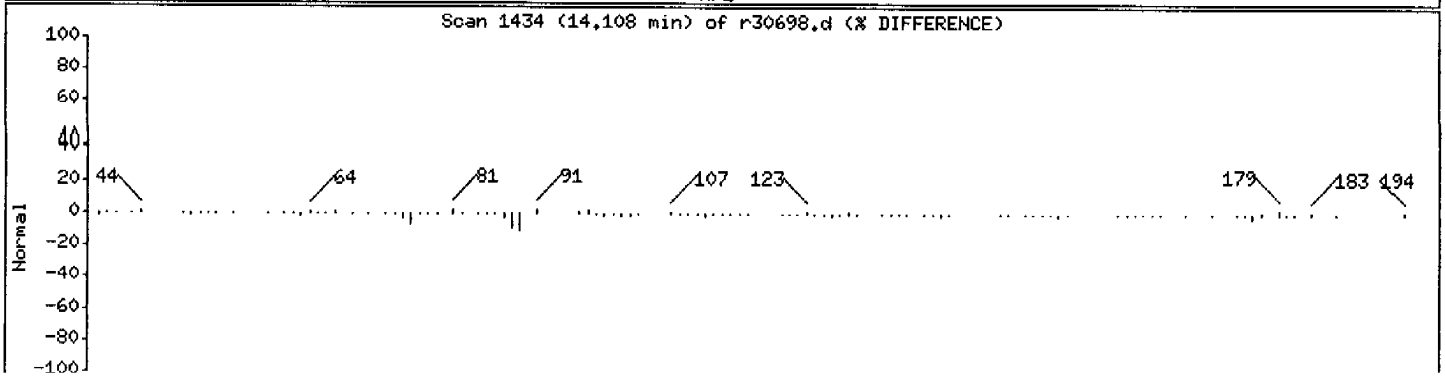
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 75 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

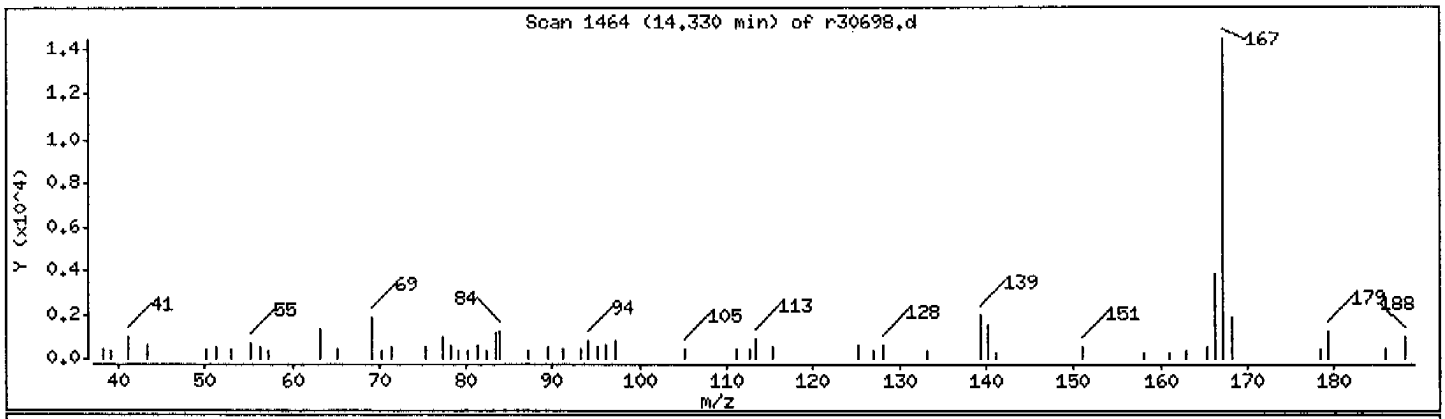
Client ID: B1405-SS01 Instrument: BNAMS1.i

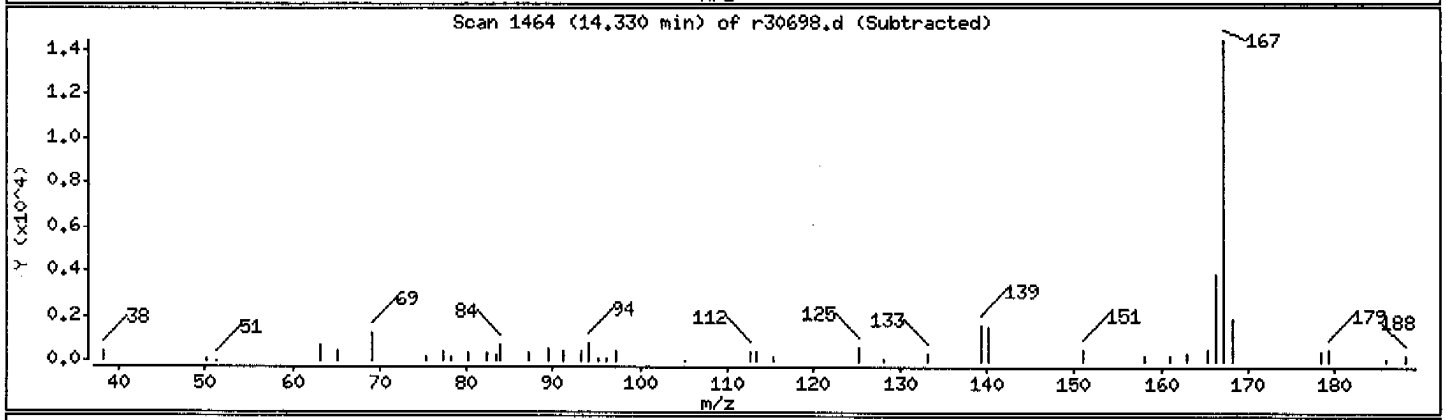
Sample Info: 775285;3281125

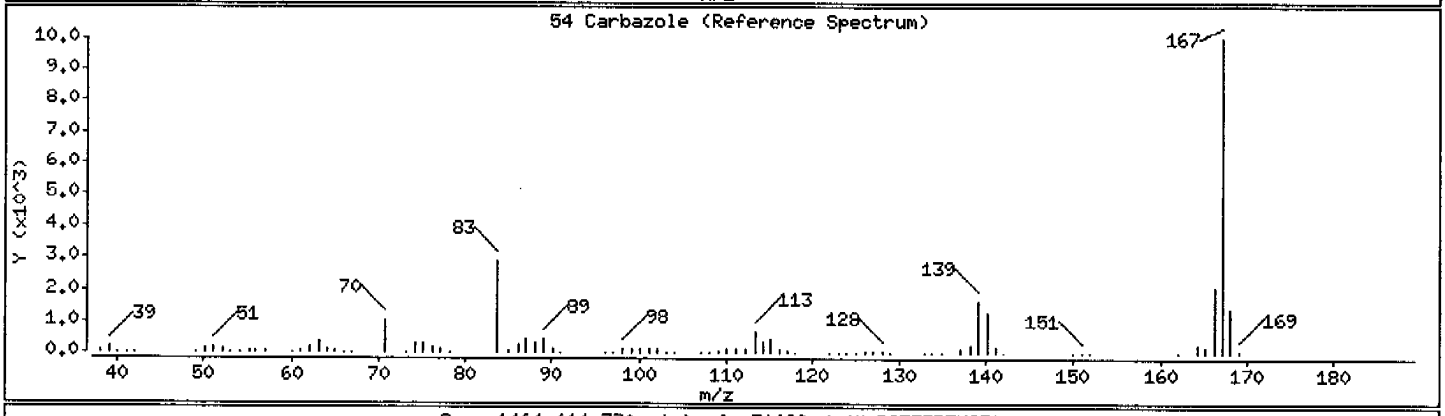
Operator: BNAMS 4

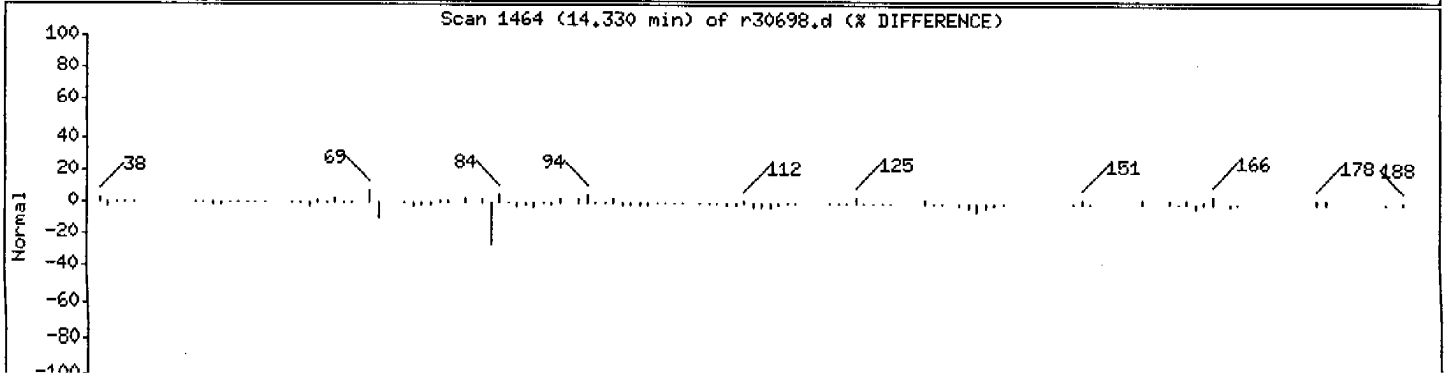
Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 37 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

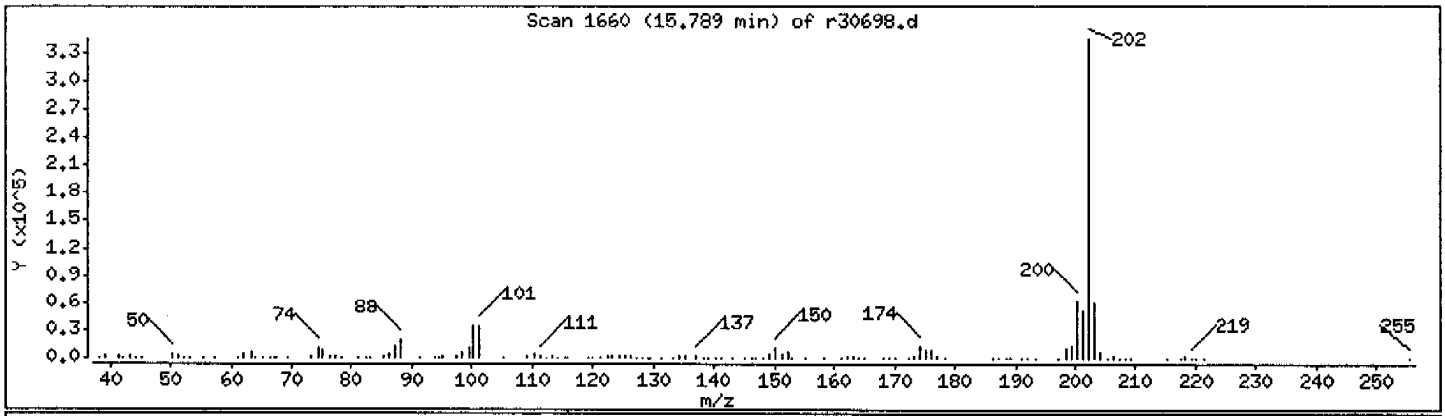
Client ID: B1405-SS01 Instrument: BNAMS1.i

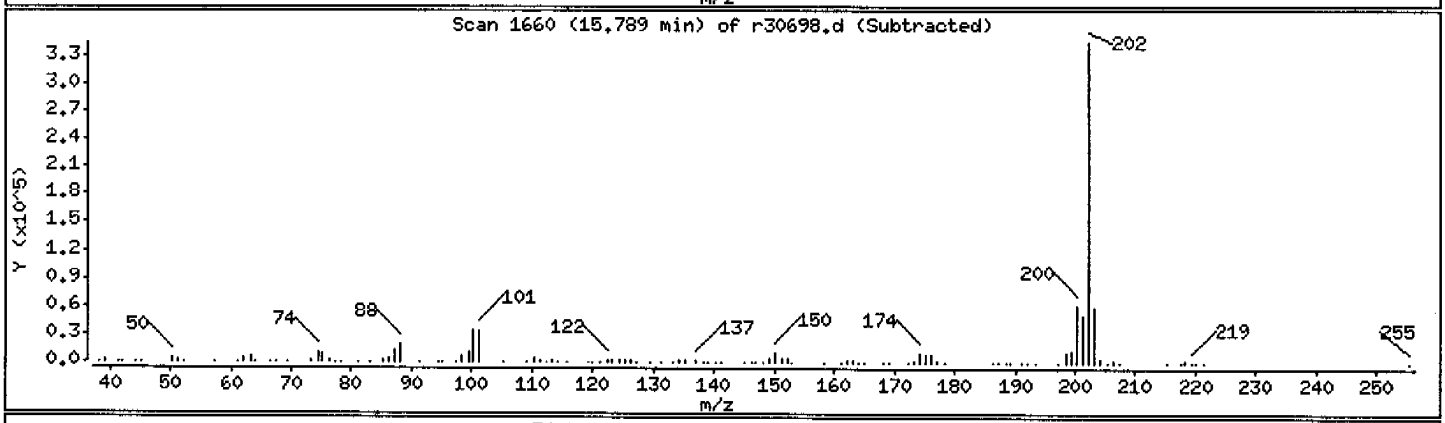
Sample Info: 775285;3281125

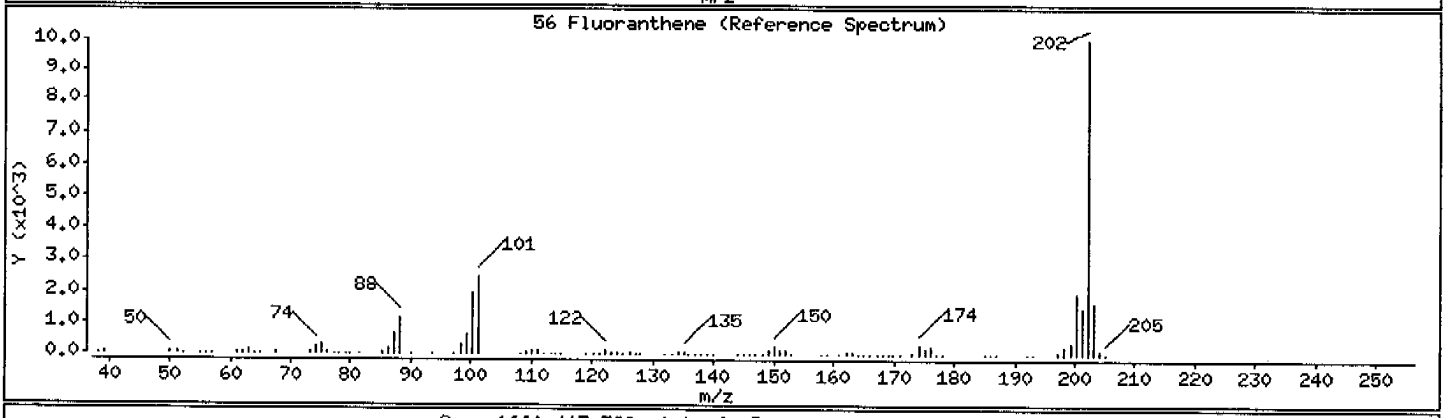
Operator: BNAMS 4

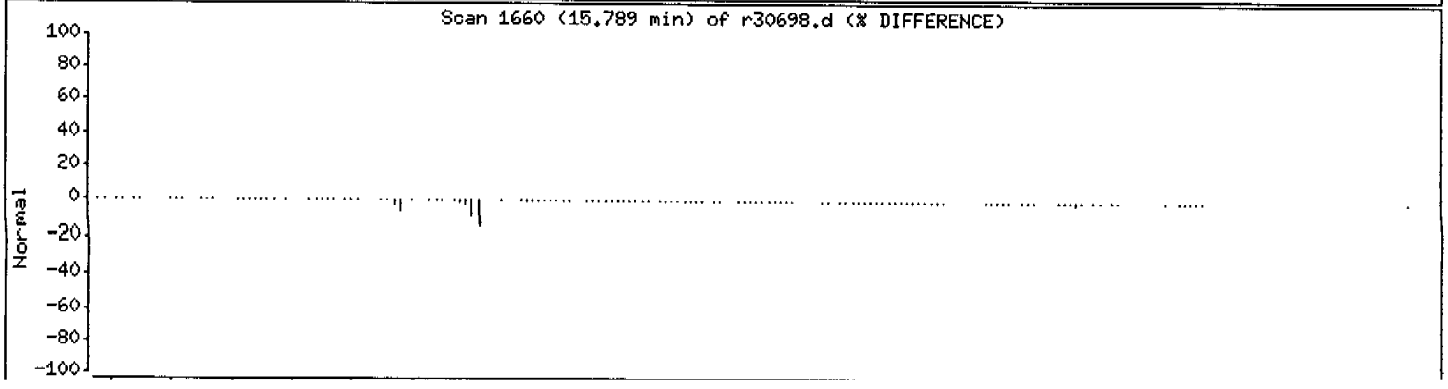
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 790 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

Client ID: B1405-SS01

Instrument: BNAMS1.i

Sample Info: 775285;3281125

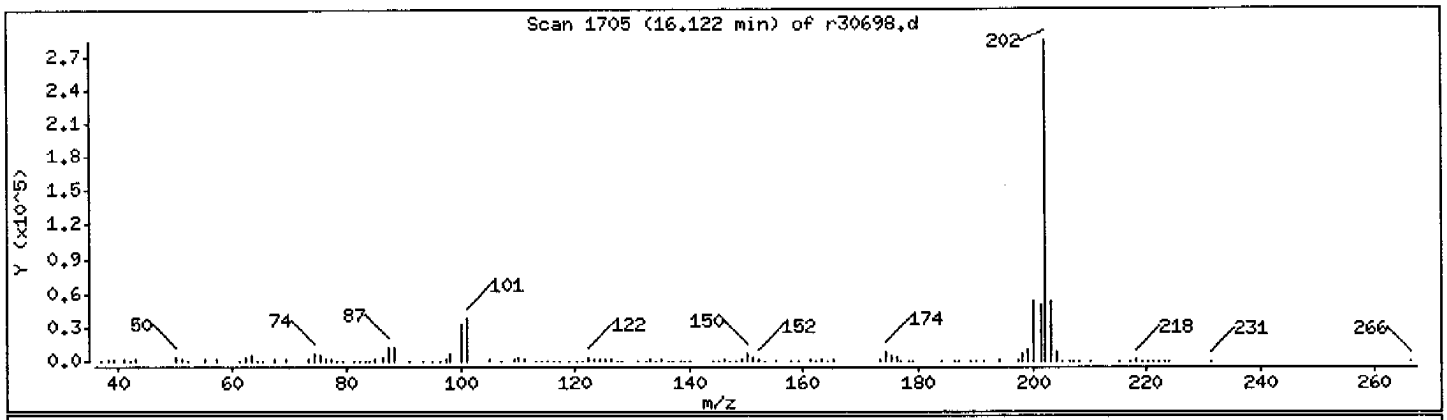
Operator: BNAMS 4

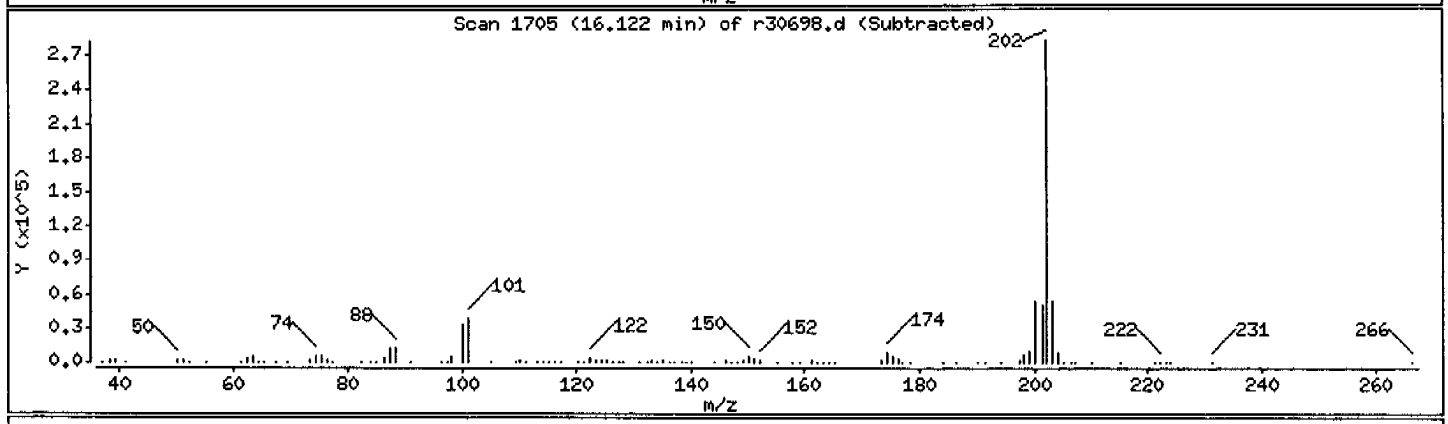
Column phase: DB-5

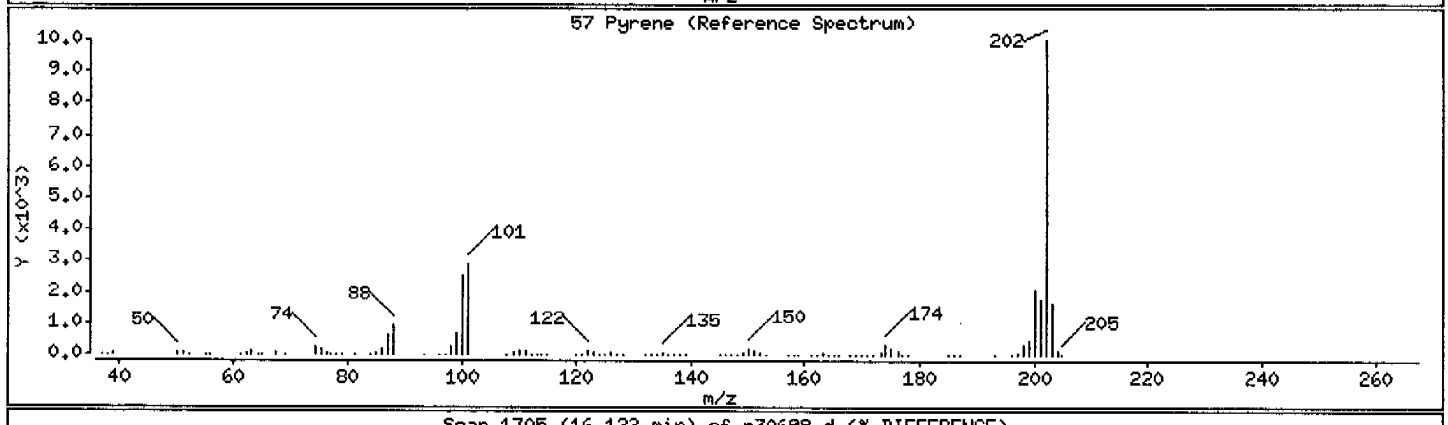
Column diameter: 0.25

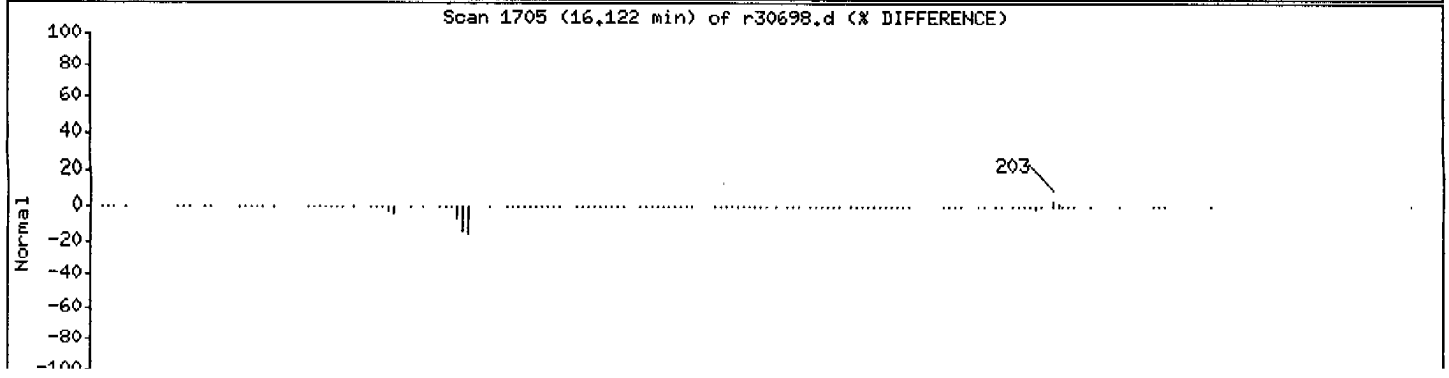
57 Pyrene

Concentration: 800 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

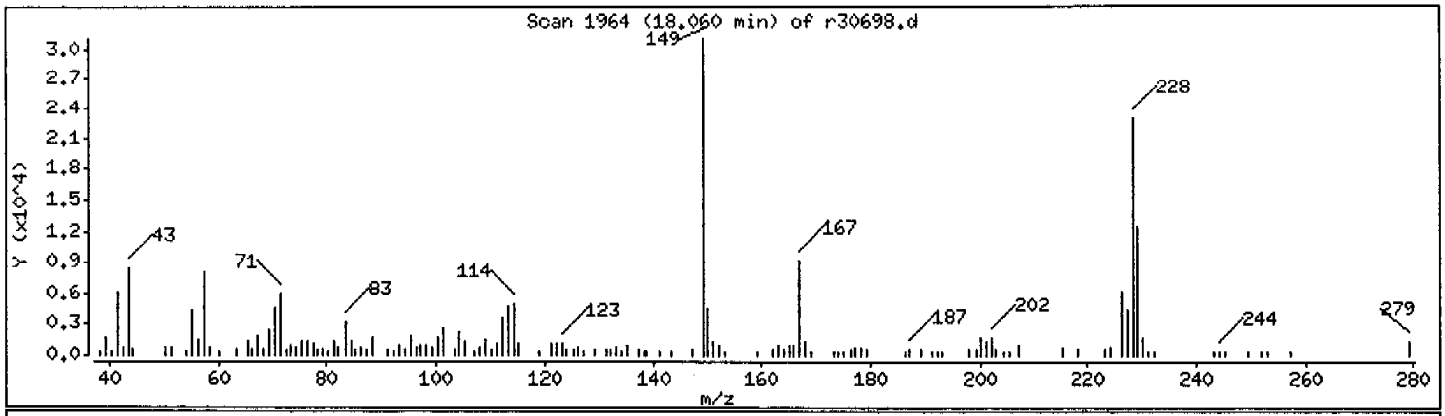
Client ID: B1405-SS01 Instrument: BNAMS1.i

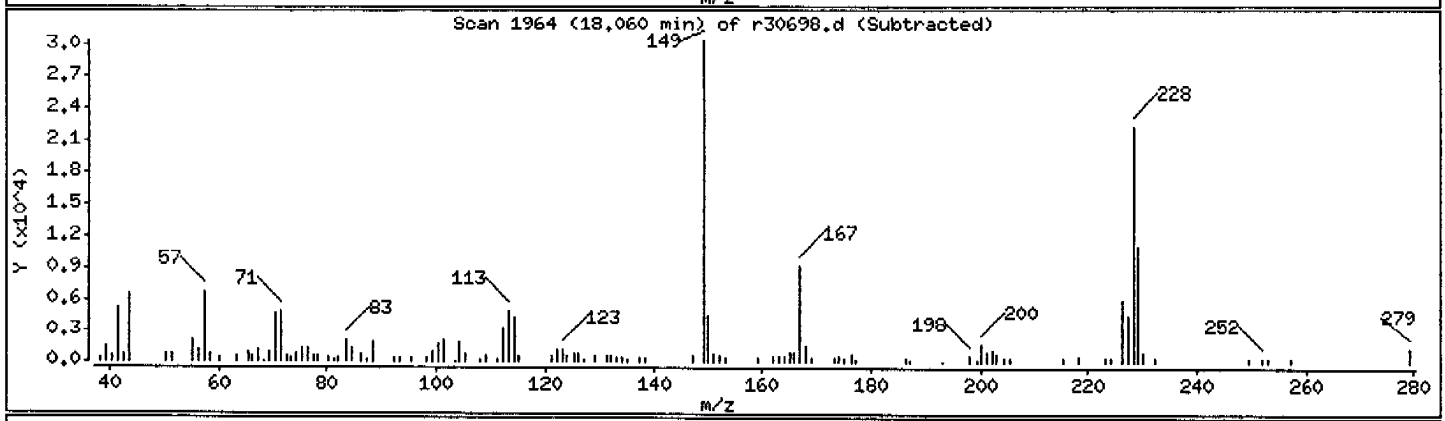
Sample Info: 775285;3281125

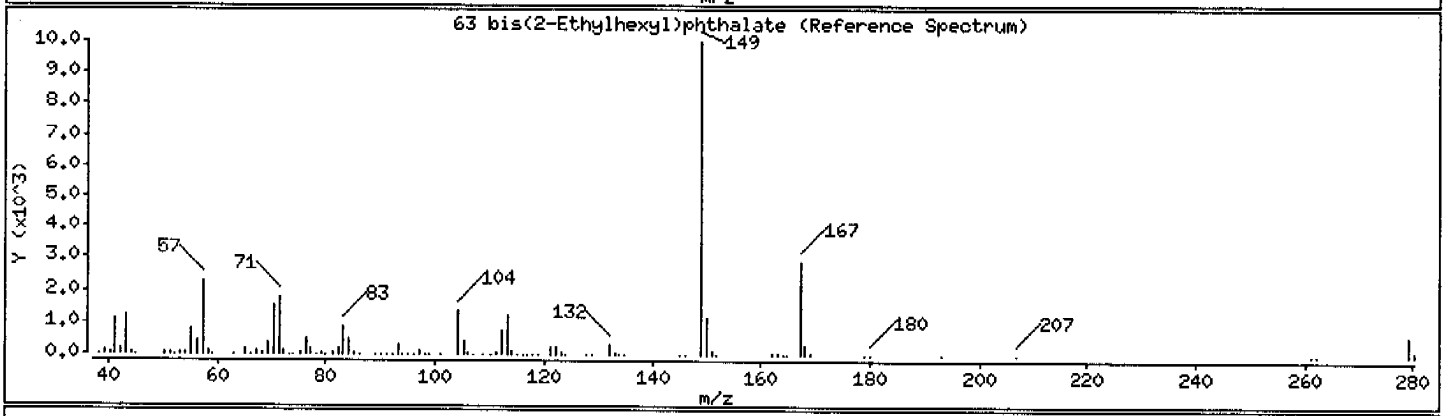
Operator: BNAMS 4

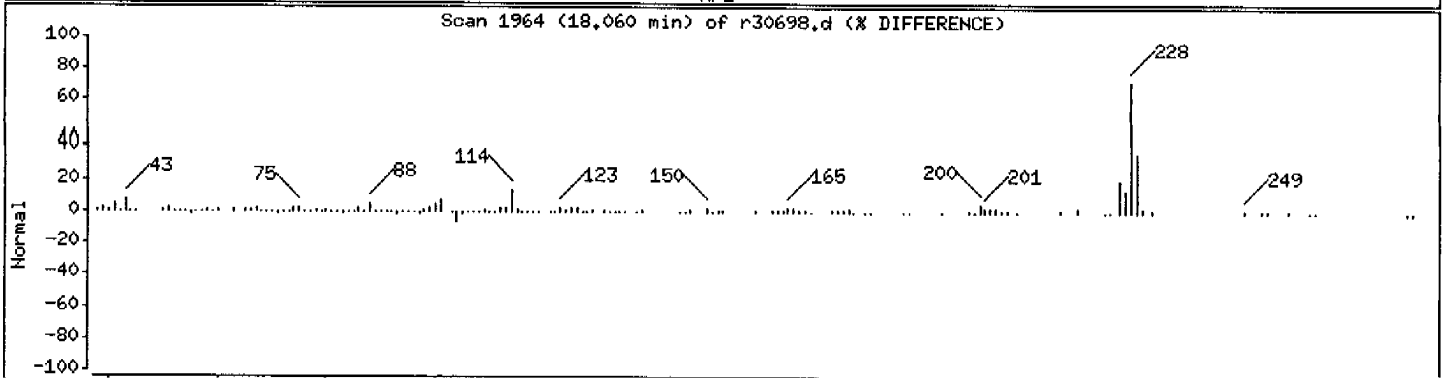
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 130 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

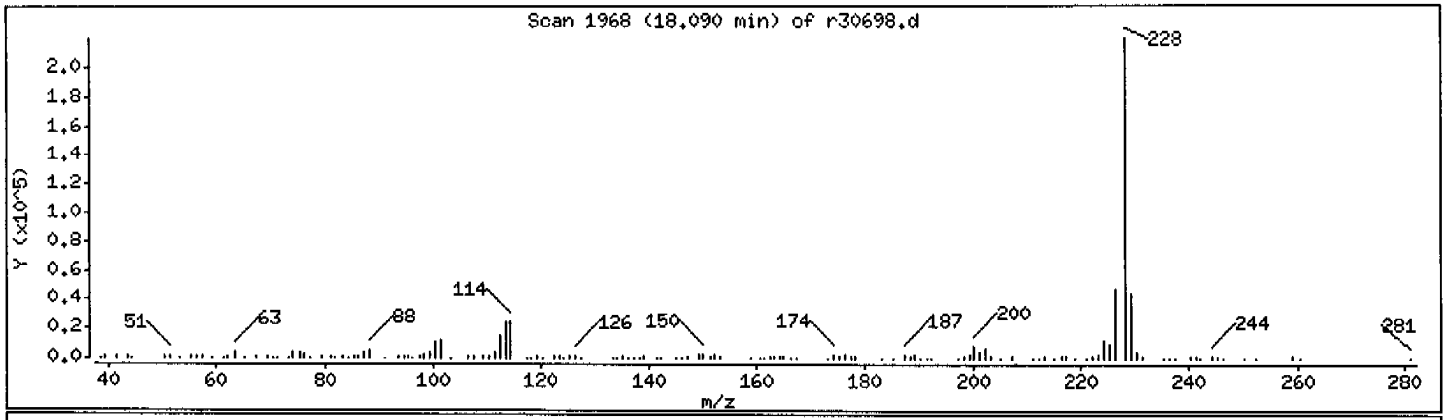
Date : 06-OCT-2006 17:12

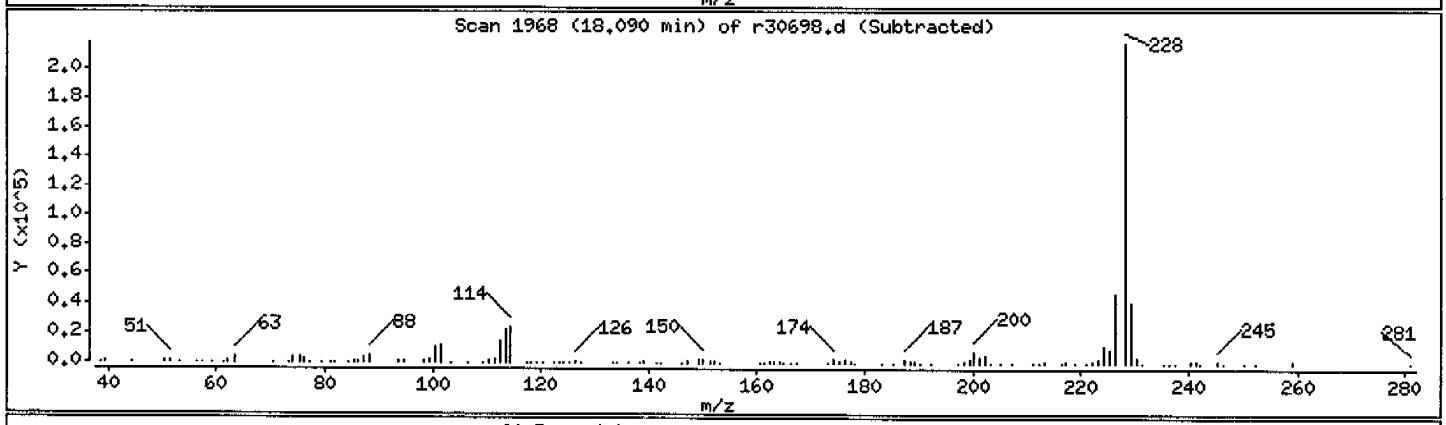
Client ID: B1405-SS01 Instrument: BNAMS1.i

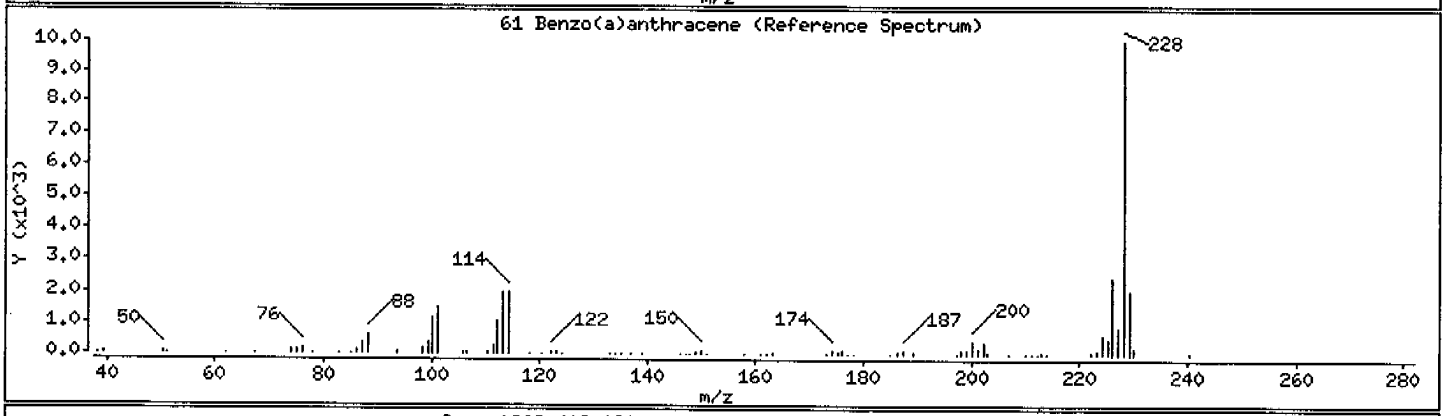
Sample Info: 775285;3281125 Operator: BNAMS 4

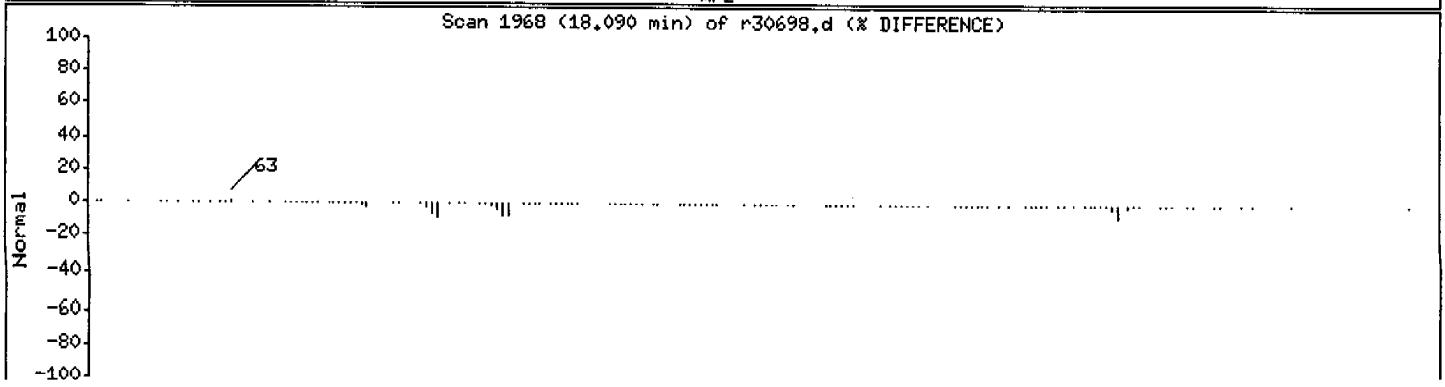
Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 1100 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

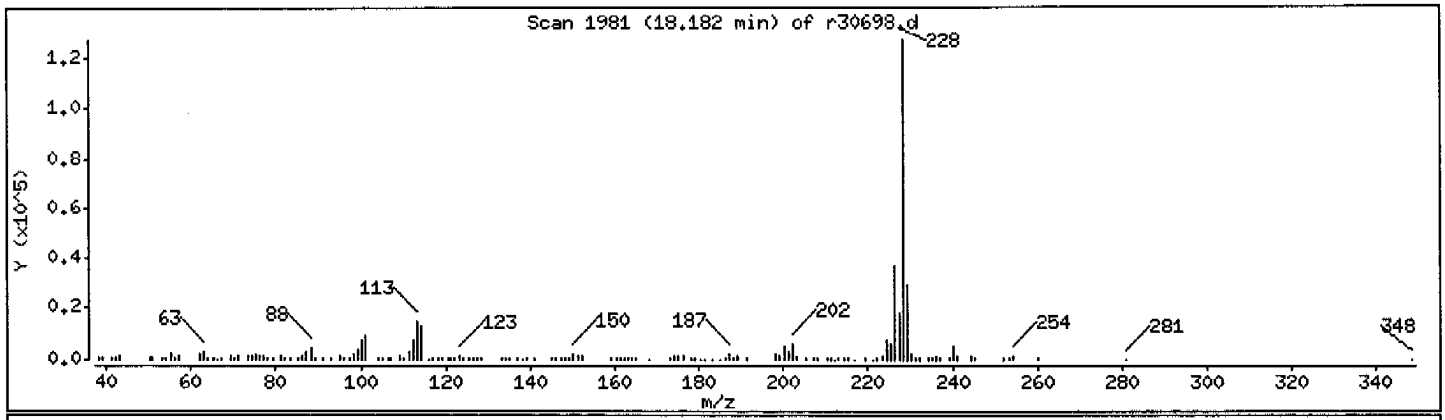
Client ID: B1405-SS01 Instrument: BNAMS1.i

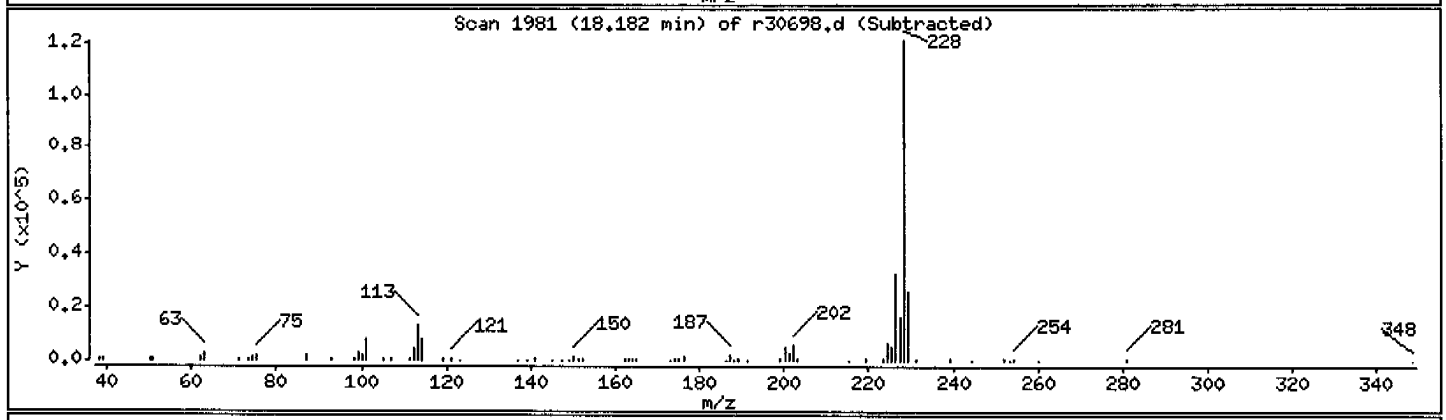
Sample Info: 775285;3281125

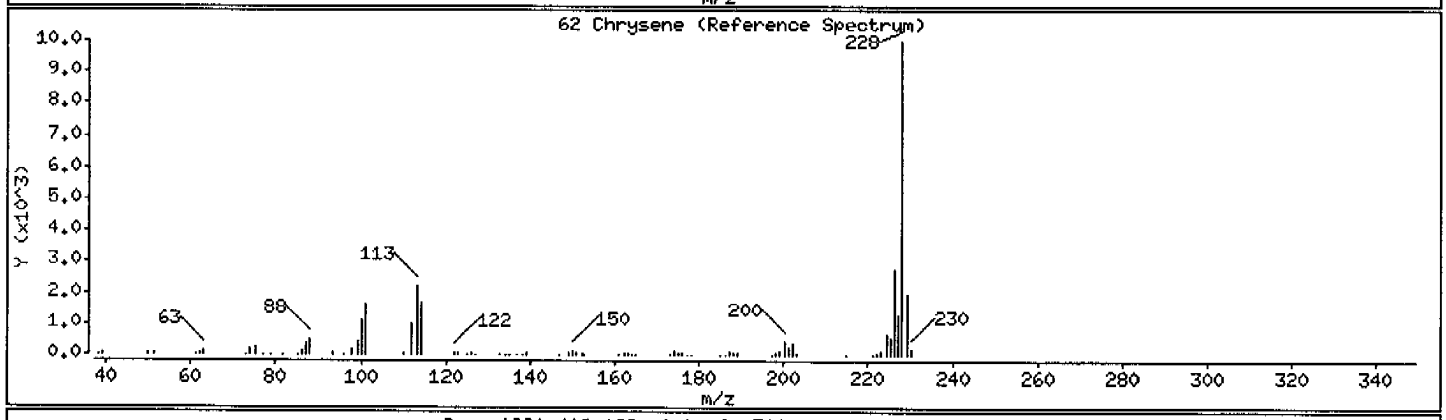
Operator: BNAMS 4

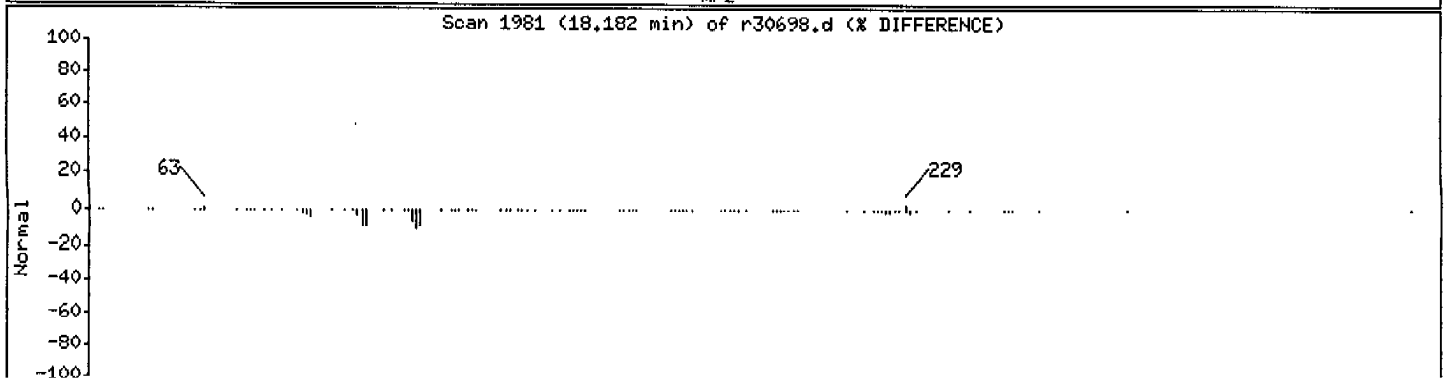
Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 520 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

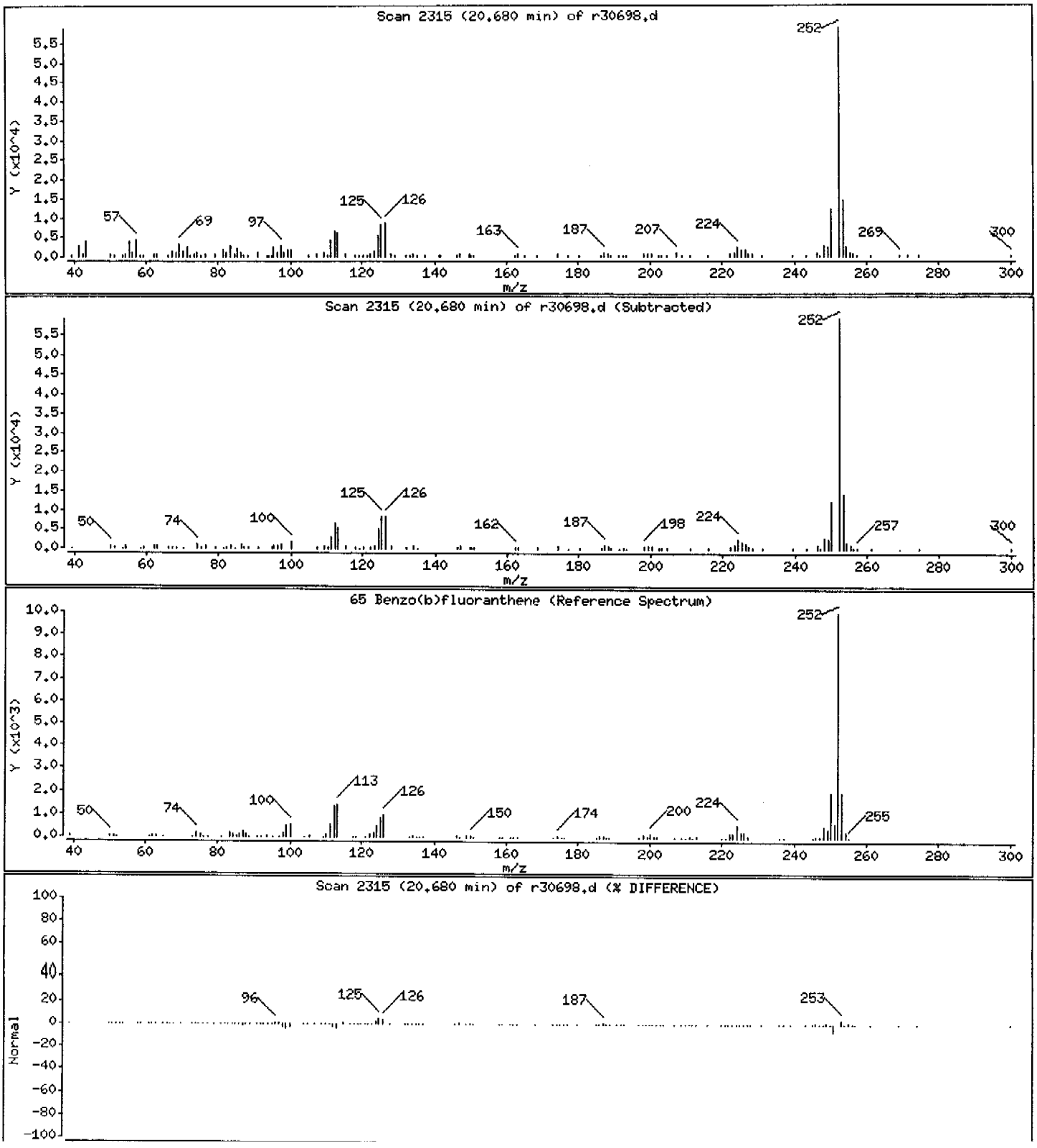
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 570 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

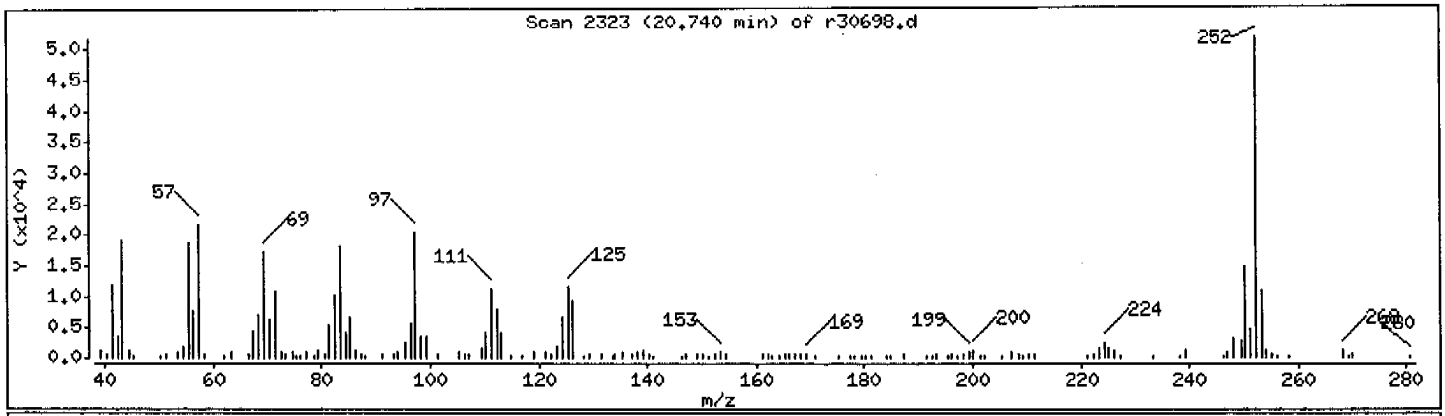
Client ID: B1405-SS01 Instrument: BNAMS1.i

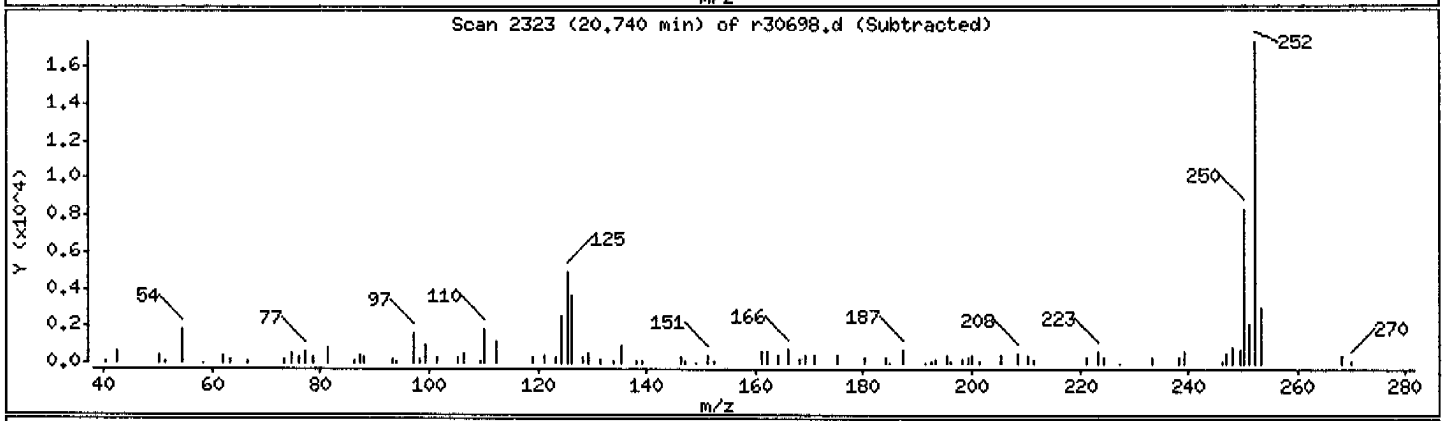
Sample Info: 775285;3281125

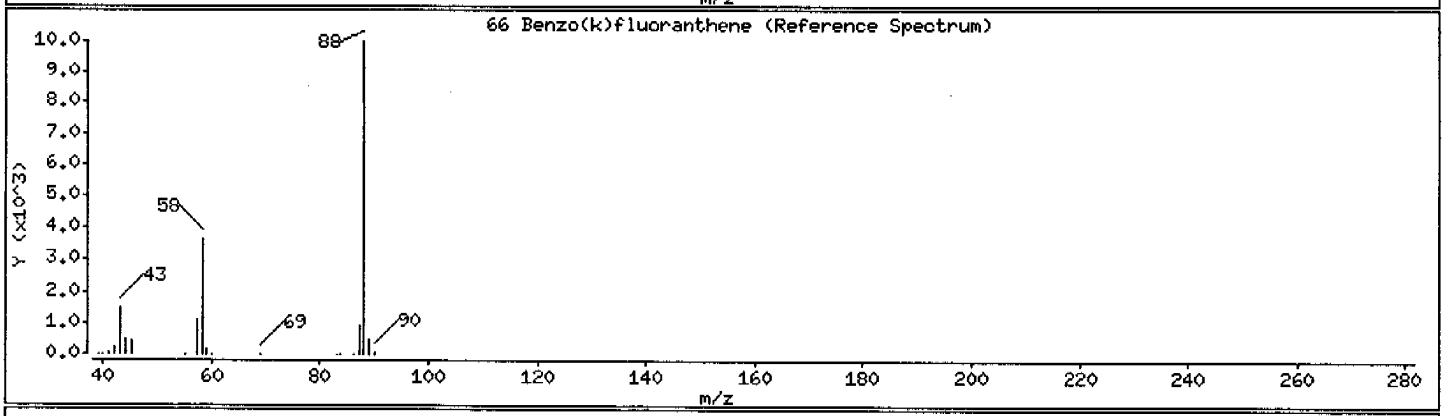
Operator: BNAMS 4

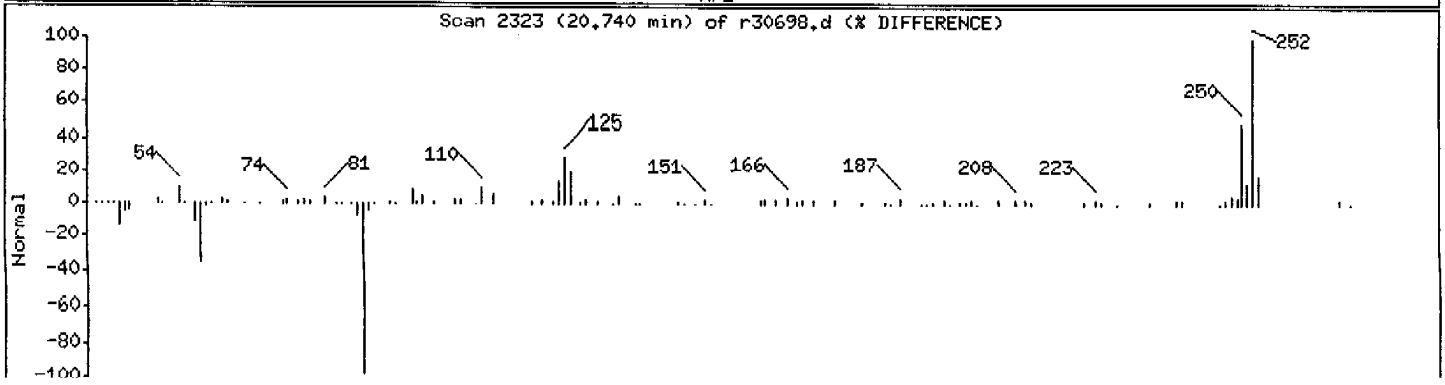
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 620 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

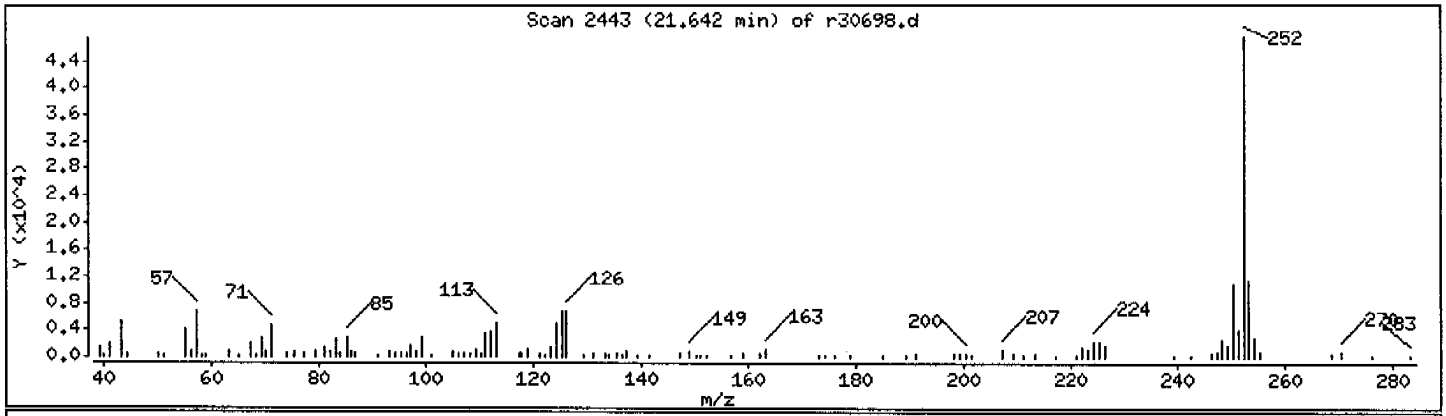
Client ID: B1405-SS01 Instrument: BNAMS1.i

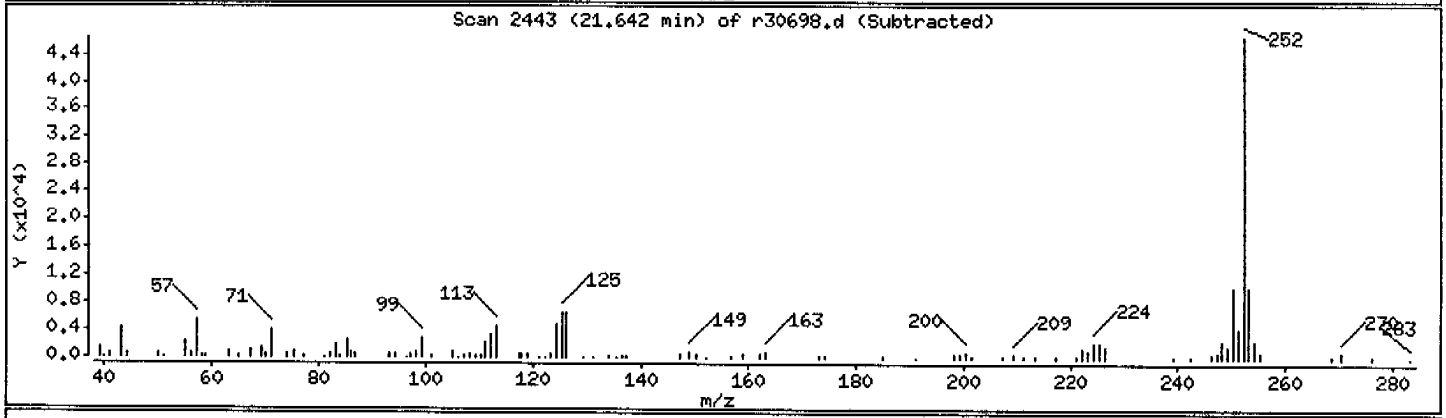
Sample Info: 775285;3281125

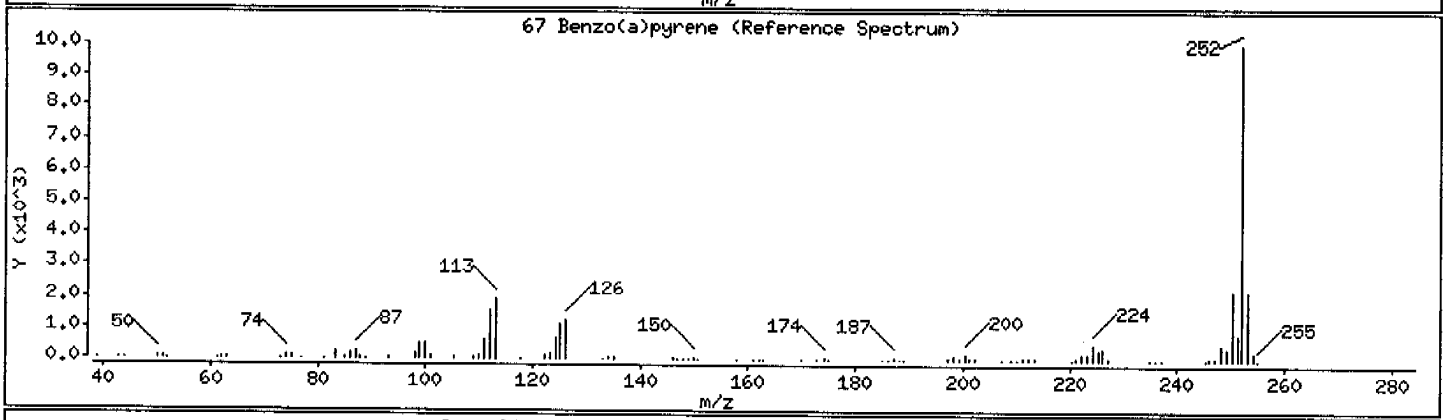
Operator: BNAMS 4

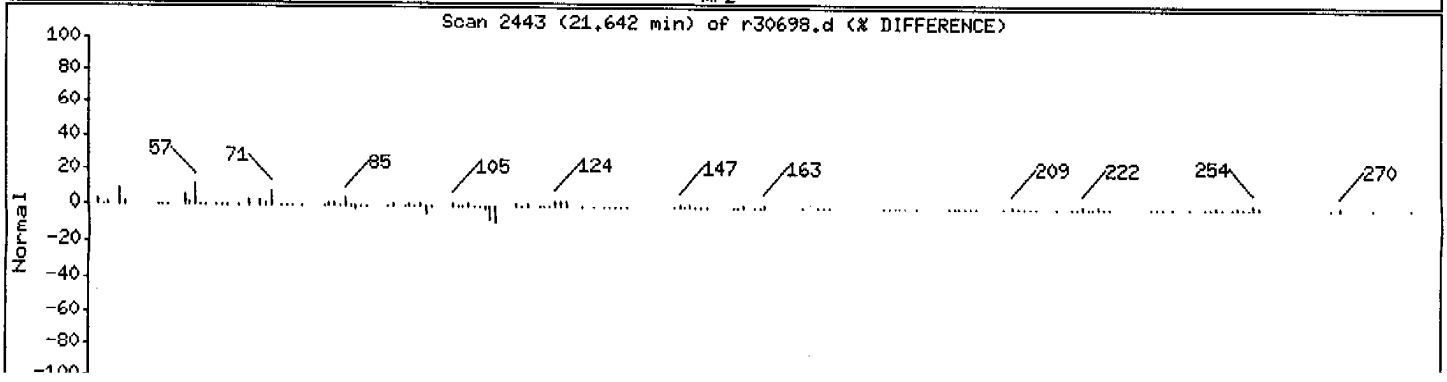
Column phase: DB-5 Column diameter: 0.25

67 Benzo(a)pyrene Concentration: 580 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

Client ID: B1405-SS01

Instrument: BNAMS1.i

Sample Info: 775285;3281125

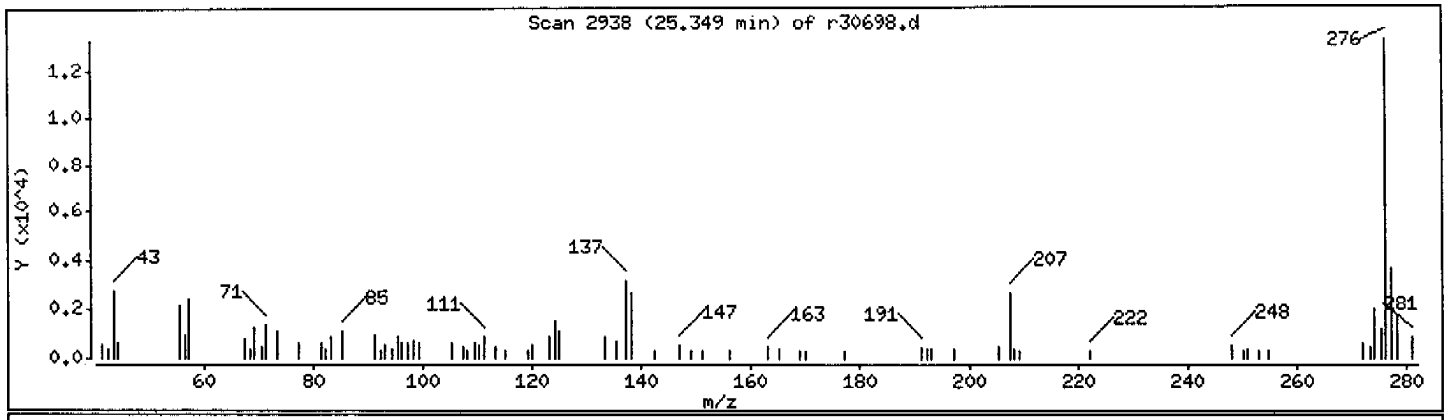
Operator: BNAMS 4

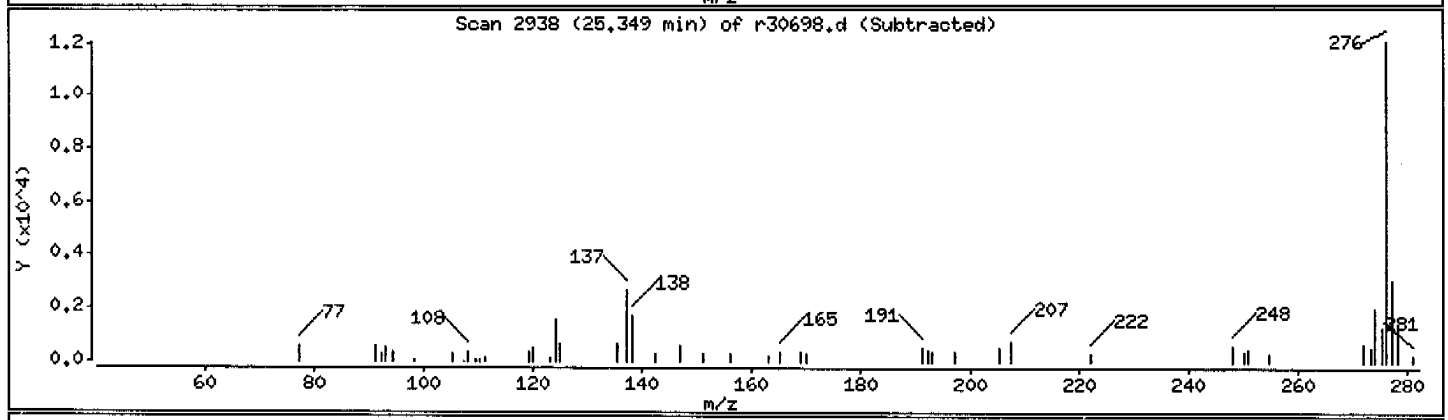
Column phase: DB-5

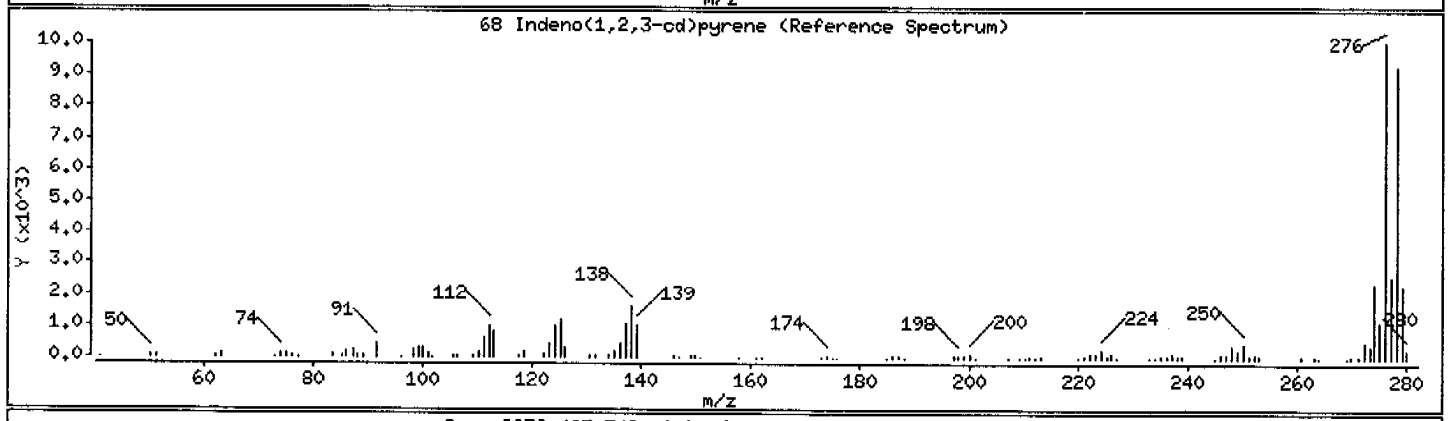
Column diameter: 0.25

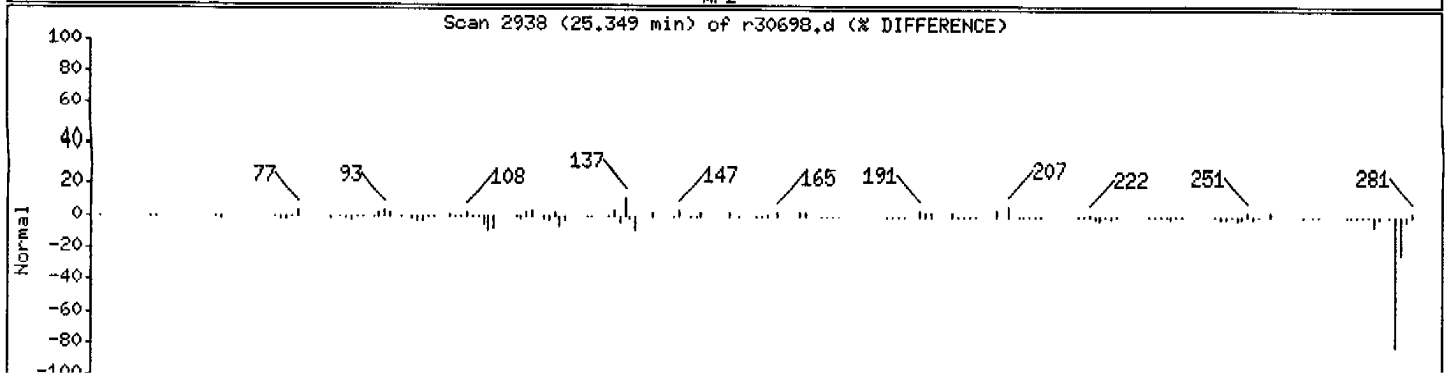
68 Indeno(1,2,3-cd)pyrene

Concentration: 190 ug/Kg









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Date : 06-OCT-2006 17:12

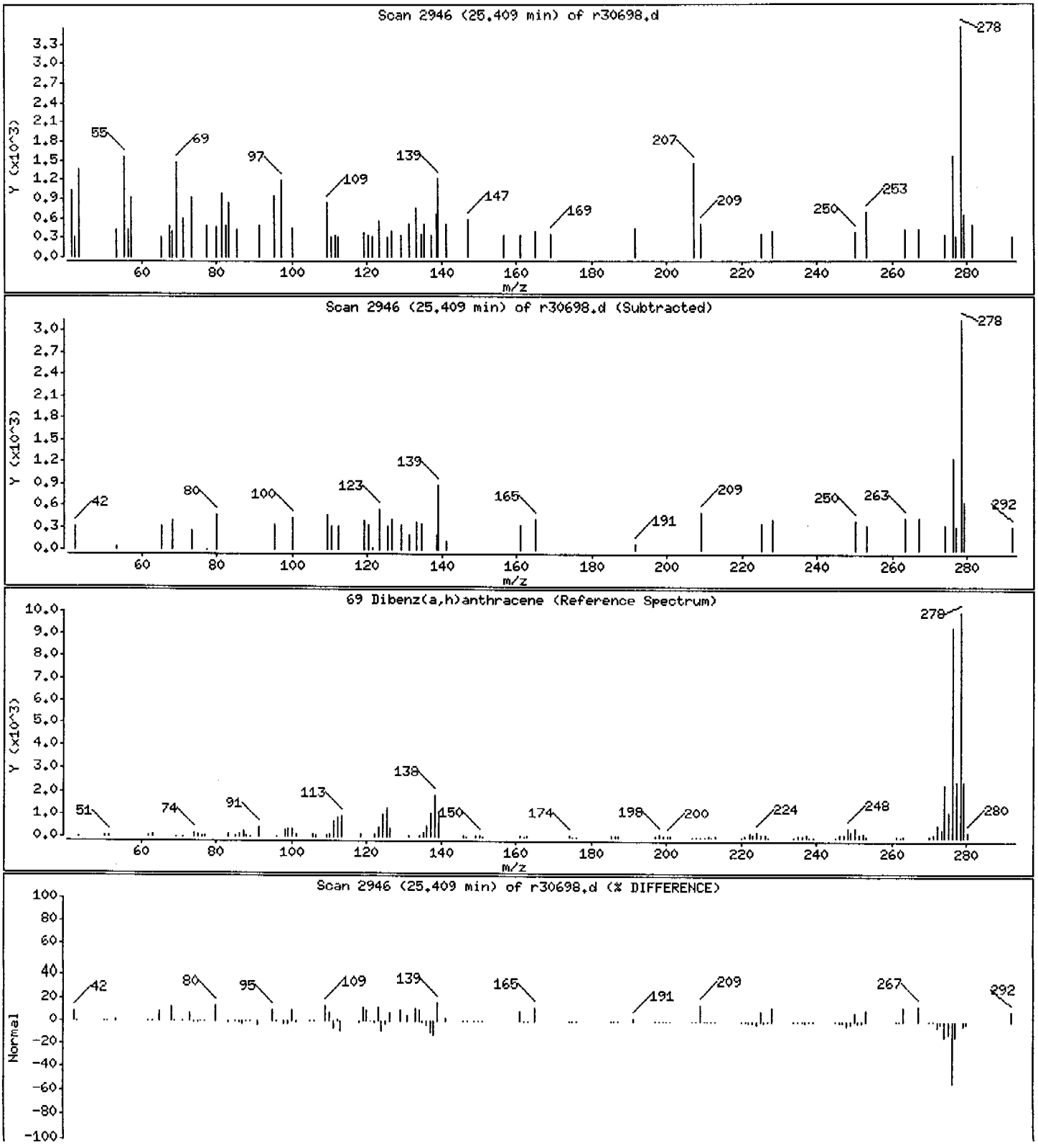
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285:3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

69 Dibenz(a,h)anthracene Concentration: 79 ug/Kg



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Date : 06-OCT-2006 17:12

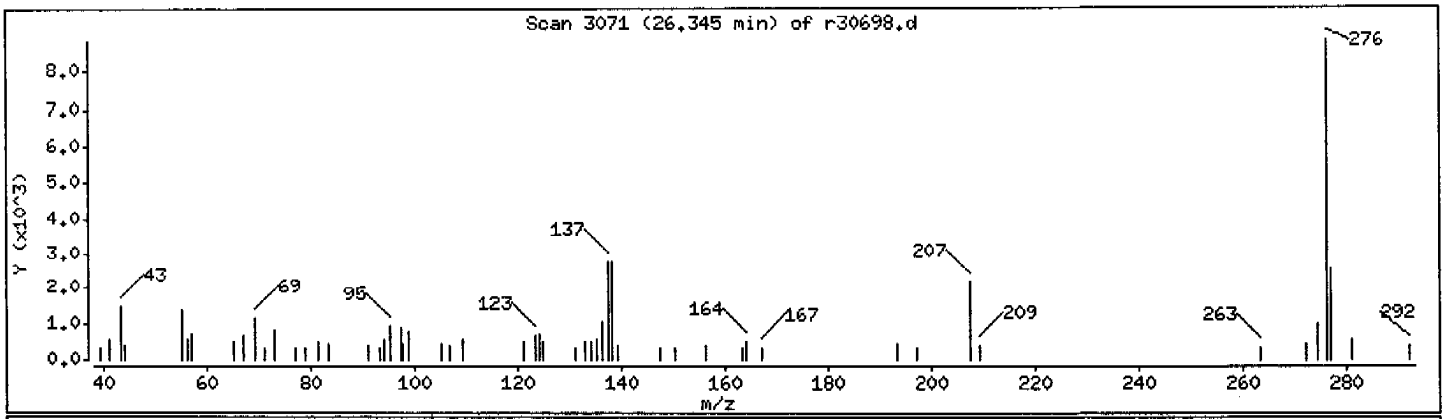
Client ID: B1405-SS01 Instrument: BNAMS1.i

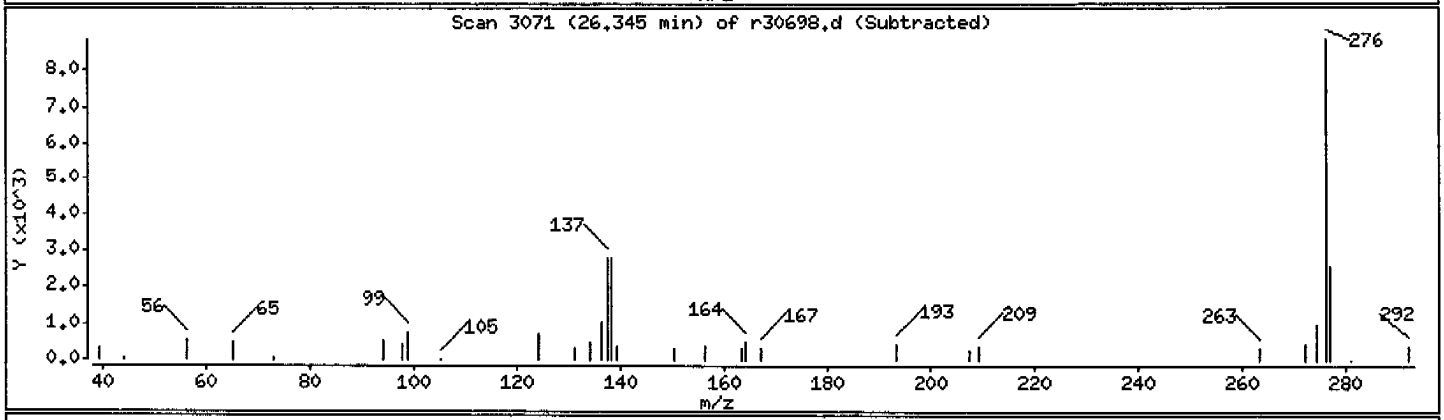
Sample Info: 775285;3281125

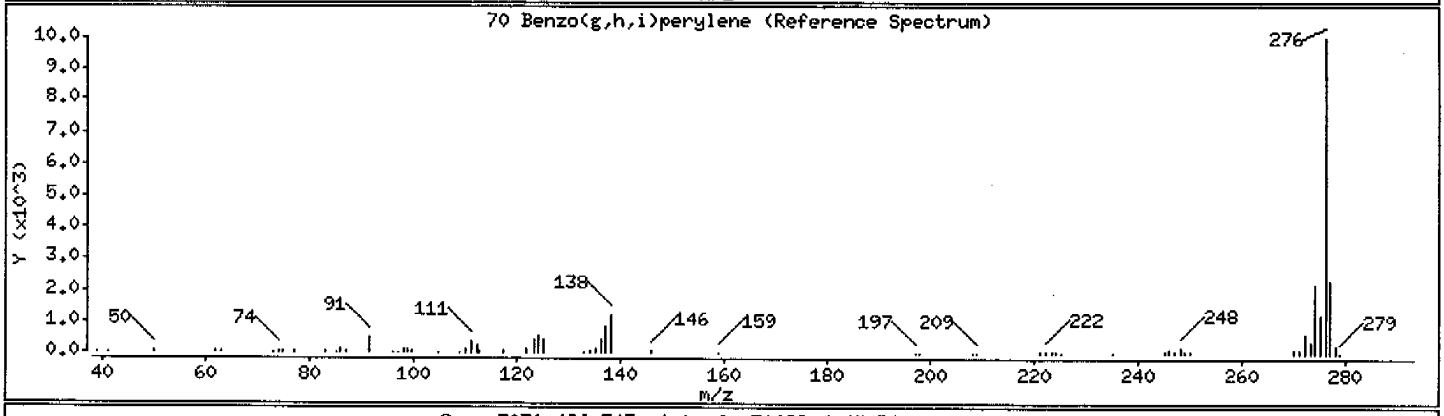
Operator: BNAMS 4

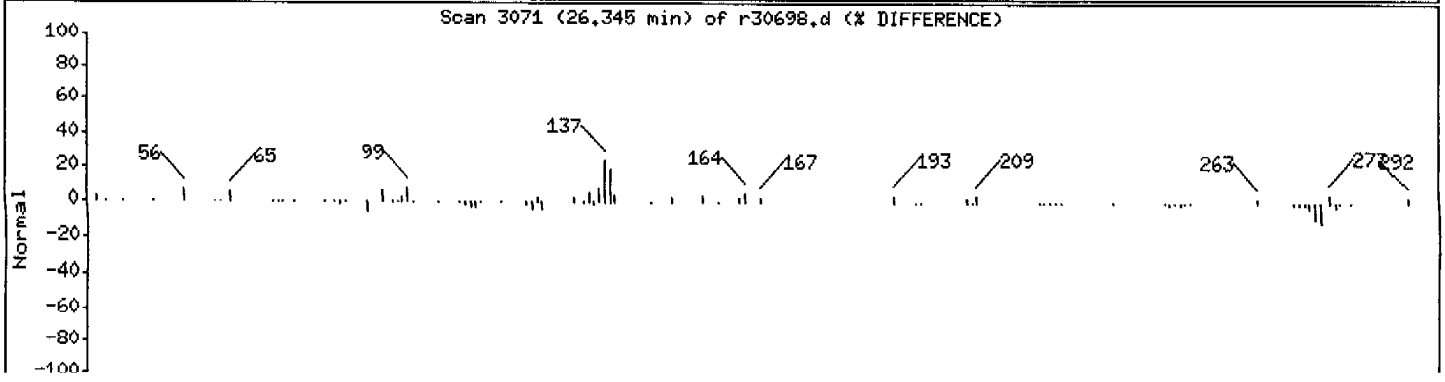
Column phase: DB-5 Column diameter: 0.25

70 Benzo(g,h,i)perylene Concentration: 170 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

Client ID: B1405-SS01

Instrument: BNAMS1.i

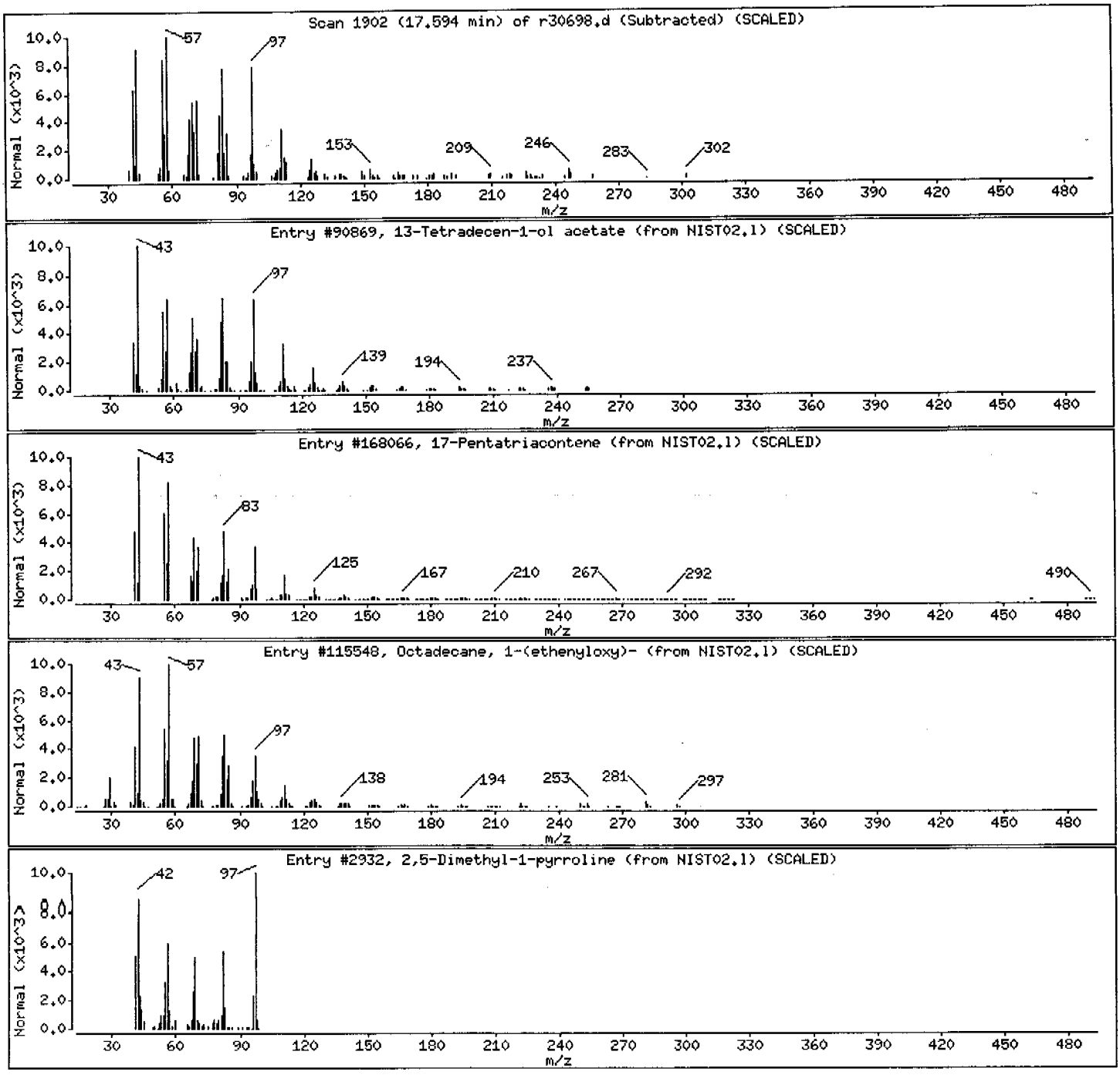
Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
13-Tetradecen-1-ol acetate	56221-91-1	NIST02.l	90869	58	C16H30O2	254
17-Pentatriacontene	6971-40-0	NIST02.l	168066	58	C35H70	491
Octadecane, 1-(ethenyloxy)-	930-02-9	NIST02.l	115548	43	C20H40O	296
2,5-Dimethyl-1-pyrroline	822-64-0	NIST02.l	2932	38	C6H11N	97



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

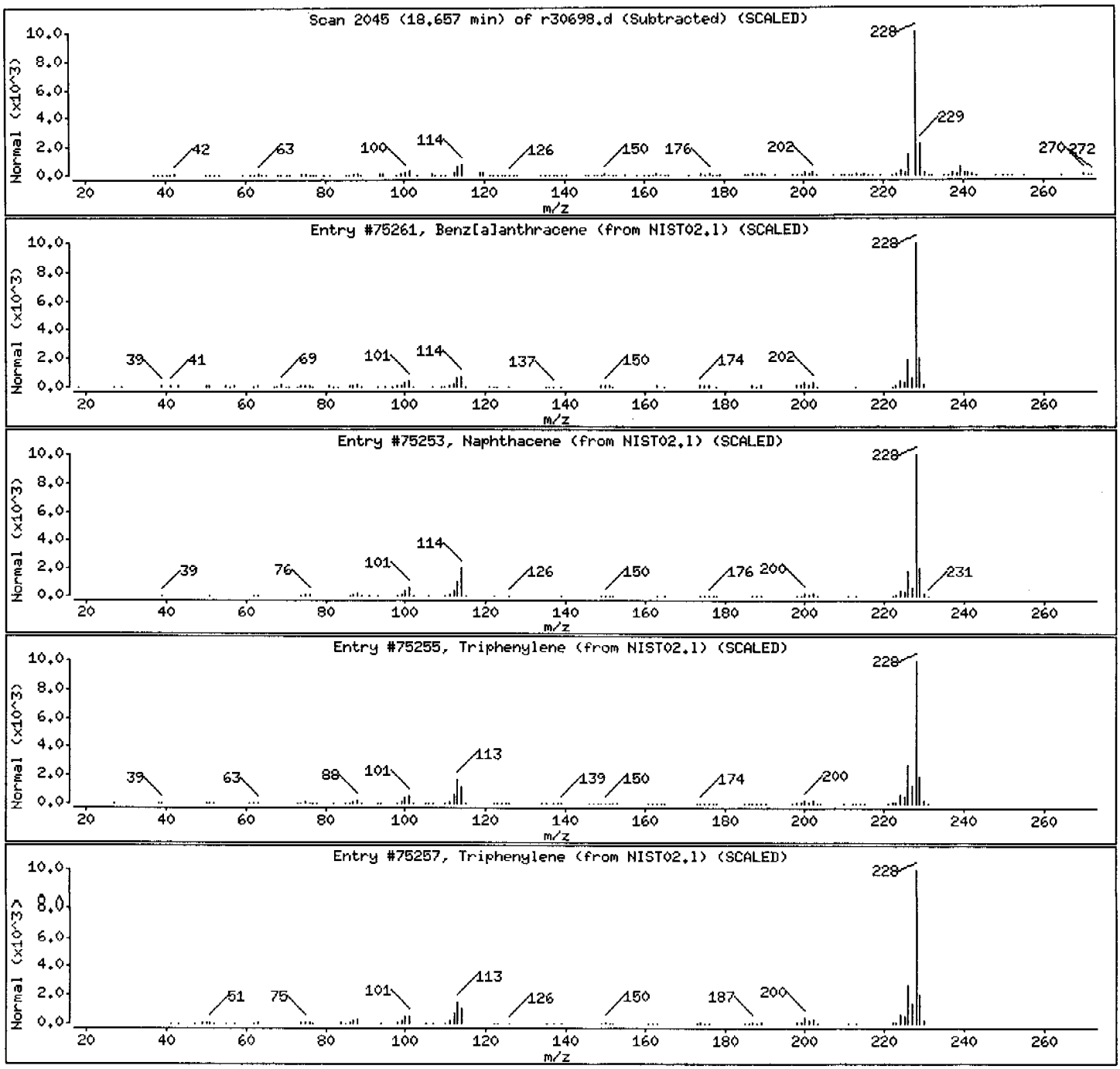
Date : 06-OCT-2006 17:12

Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C18H12 PAH						
Benz[a]anthracene	56-55-3	NIST02.1	75261	93	C18H12	228
Naphthacene	92-24-0	NIST02.1	75253	81	C18H12	228
Triphenylene	217-59-4	NIST02.1	75255	81	C18H12	228
Triphenylene	217-59-4	NIST02.1	75257	74	C18H12	228



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

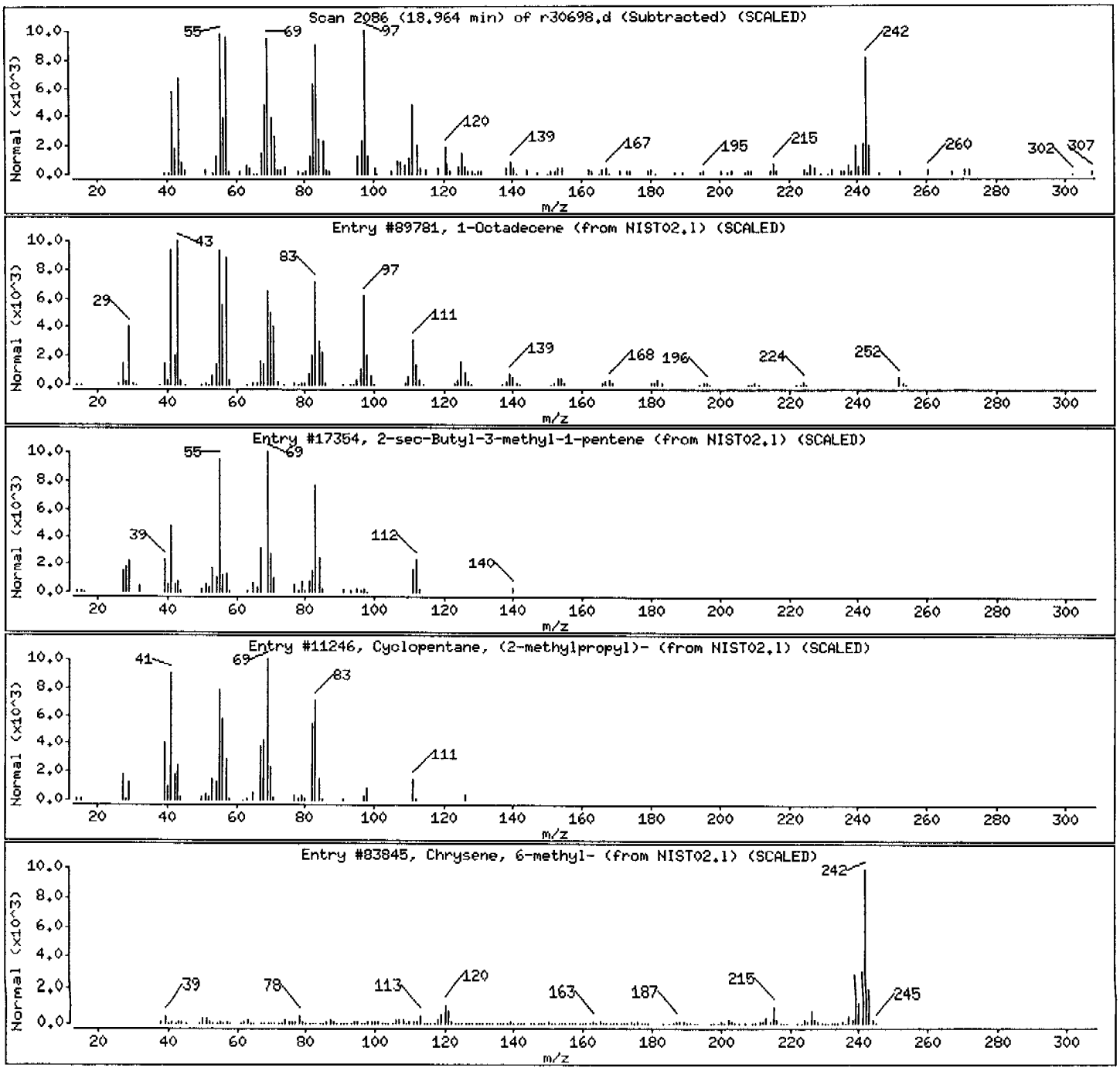
Date : 06-OCT-2006 17:12

Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Octadecene	112-88-9	NIST02.l	89781	41	C18H36	252
2-sec-Butyl-3-methyl-1-pentene	75144-24-0	NIST02.l	17354	30	C10H20	140
Cyclopentane, (2-methylpropyl)-	3788-32-7	NIST02.l	11246	30	C9H18	126
Chrysene, 6-methyl-	3697-24-3	NIST02.l	83845	25	C19H14	242



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

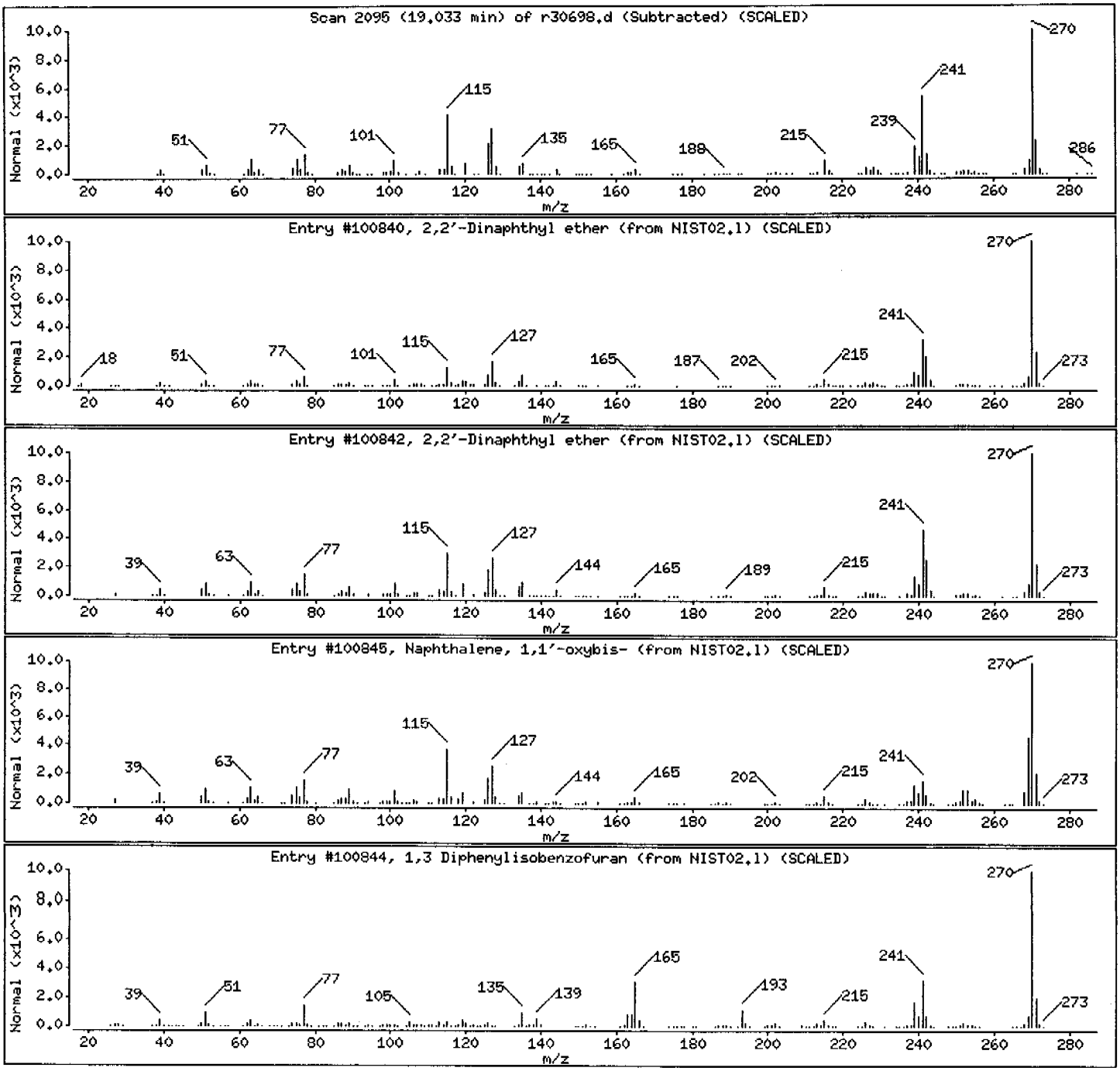
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2,2'-Dinaphthyl ether	613-80-9	NIST02.l	100840	94	C20H140	270
2,2'-Dinaphthyl ether	613-80-9	NIST02.l	100842	94	C20H140	270
Naphthalene, 1,1'-oxybis-	607-52-3	NIST02.l	100845	72	C20H140	270
1,3 Diphenylisobenzofuran	5471-63-6	NIST02.l	100844	60	C20H140	270



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

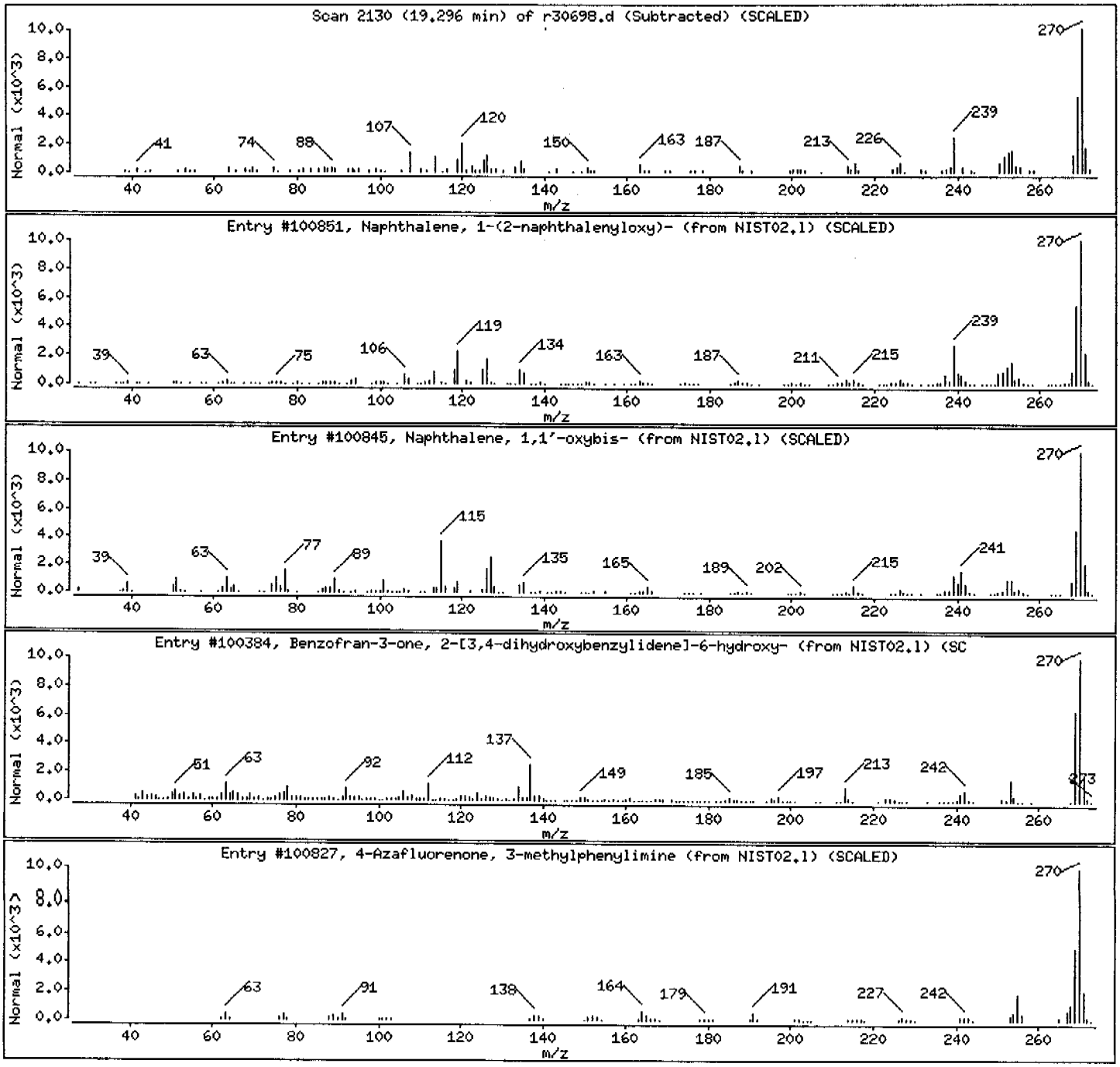
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1-(2-naphthalenyloxy)-	611-49-4	NIST02.l	100851	93	C20H14O	270
Naphthalene, 1,1'-oxybis-	607-52-3	NIST02.l	100845	58	C20H14O	270
Benzofran-3-one, 2-[3,4-dihydroxybenzyli	1000128-63-2	NIST02.l	100384	52	C15H10O5	270
4-Azafluorenone, 3-methylphenylimine	1000216-54-3	NIST02.l	100827	52	C19H14N2	270



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

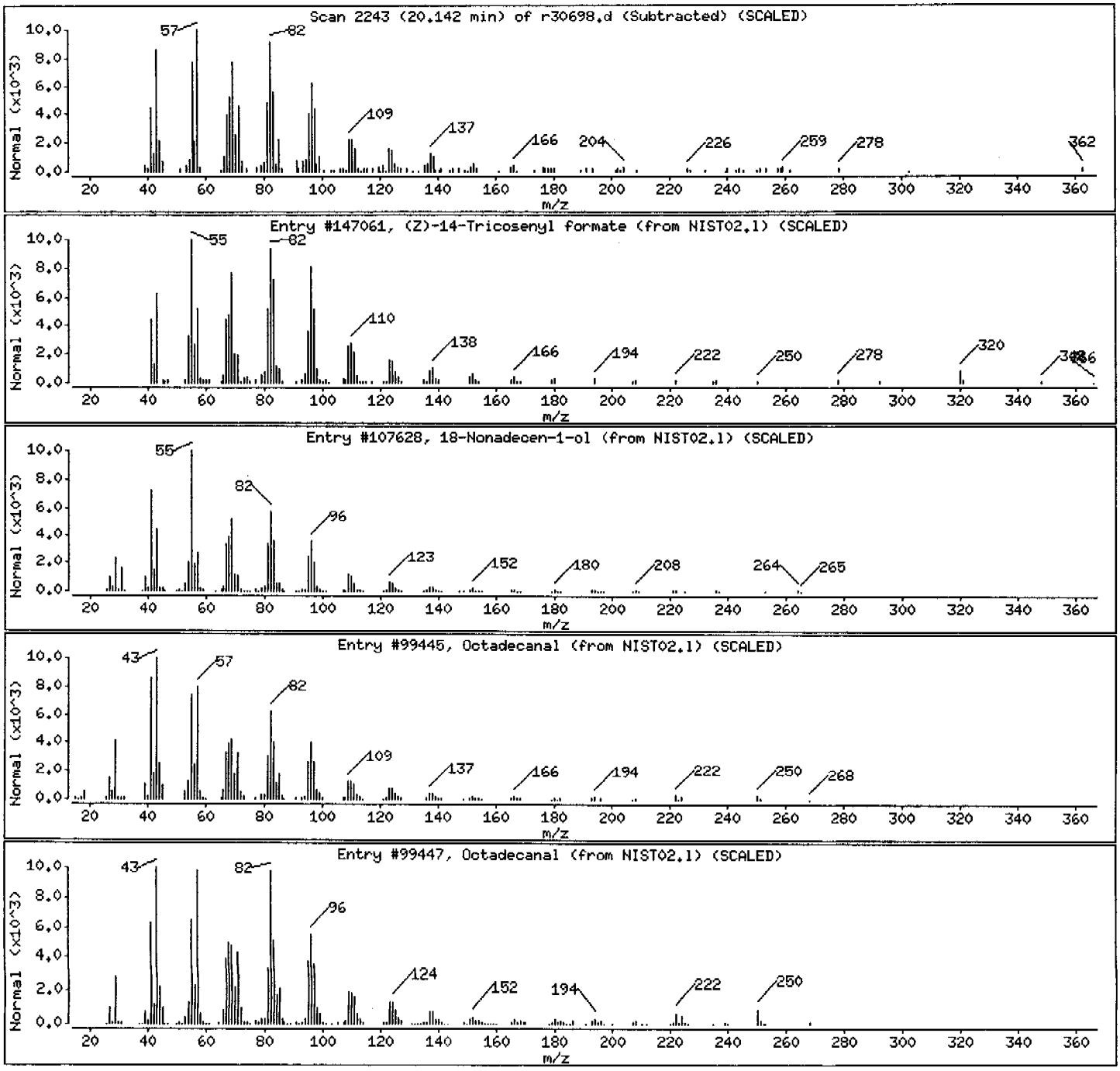
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
(Z)-14-Tricosenyl formate	77899-10-6	NIST02.l	147061	91	C24H46O2	366
18-Nonadecen-1-ol	1000142-89-2	NIST02.l	107628	86	C19H38O	282
Octadecanal	638-66-4	NIST02.l	99445	81	C18H36O	268
Octadecanal	638-66-4	NIST02.l	99447	81	C18H36O	268



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

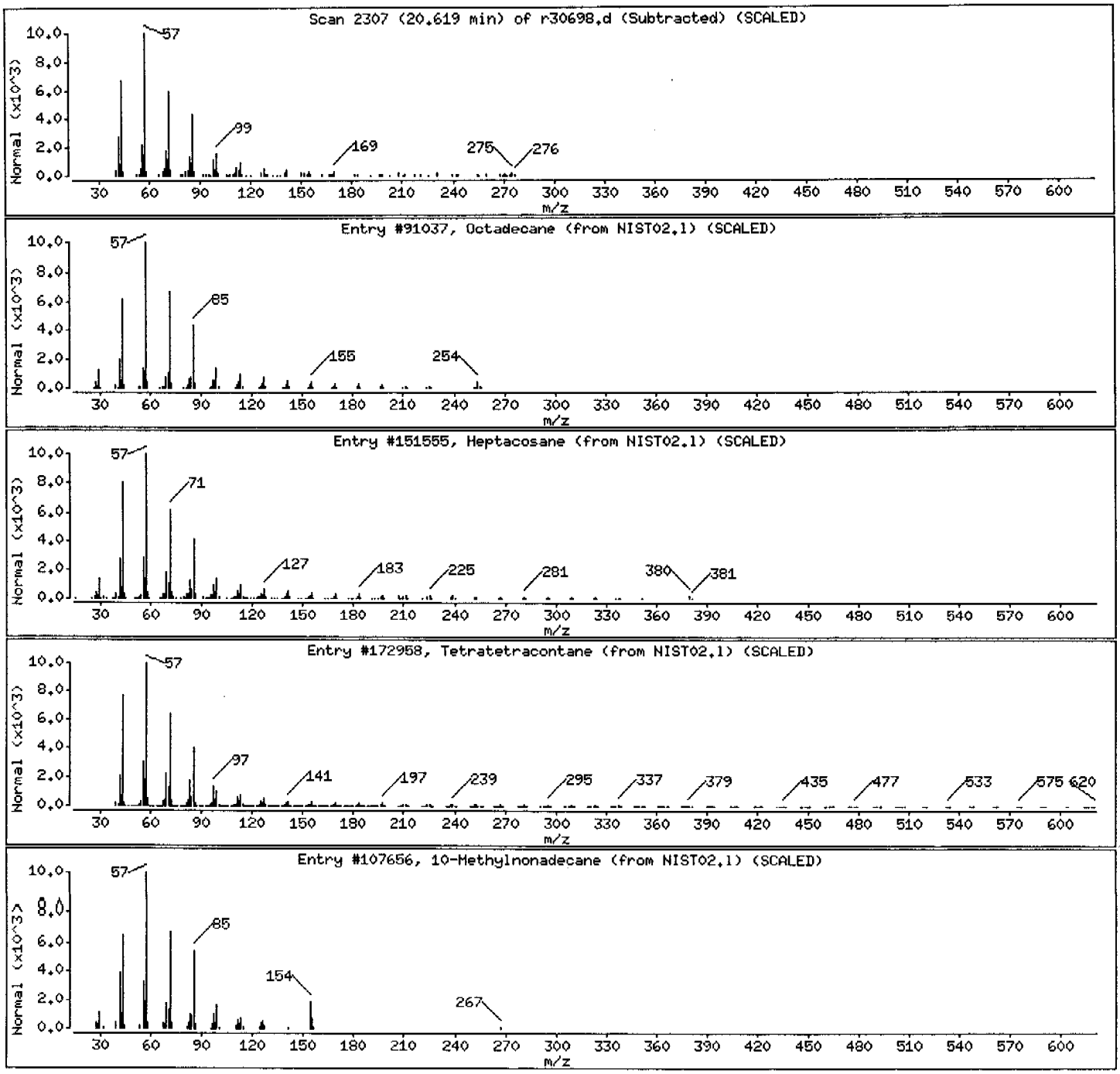
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	NIST02.l	91037	93	C18H38	254
Heptacosane	593-49-7	NIST02.l	151555	91	C27H56	380
Tetratetracontane	7098-22-8	NIST02.l	172958	91	C44H90	619
10-Methylnonadecane	56862-62-5	NIST02.l	107656	91	C20H42	282



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

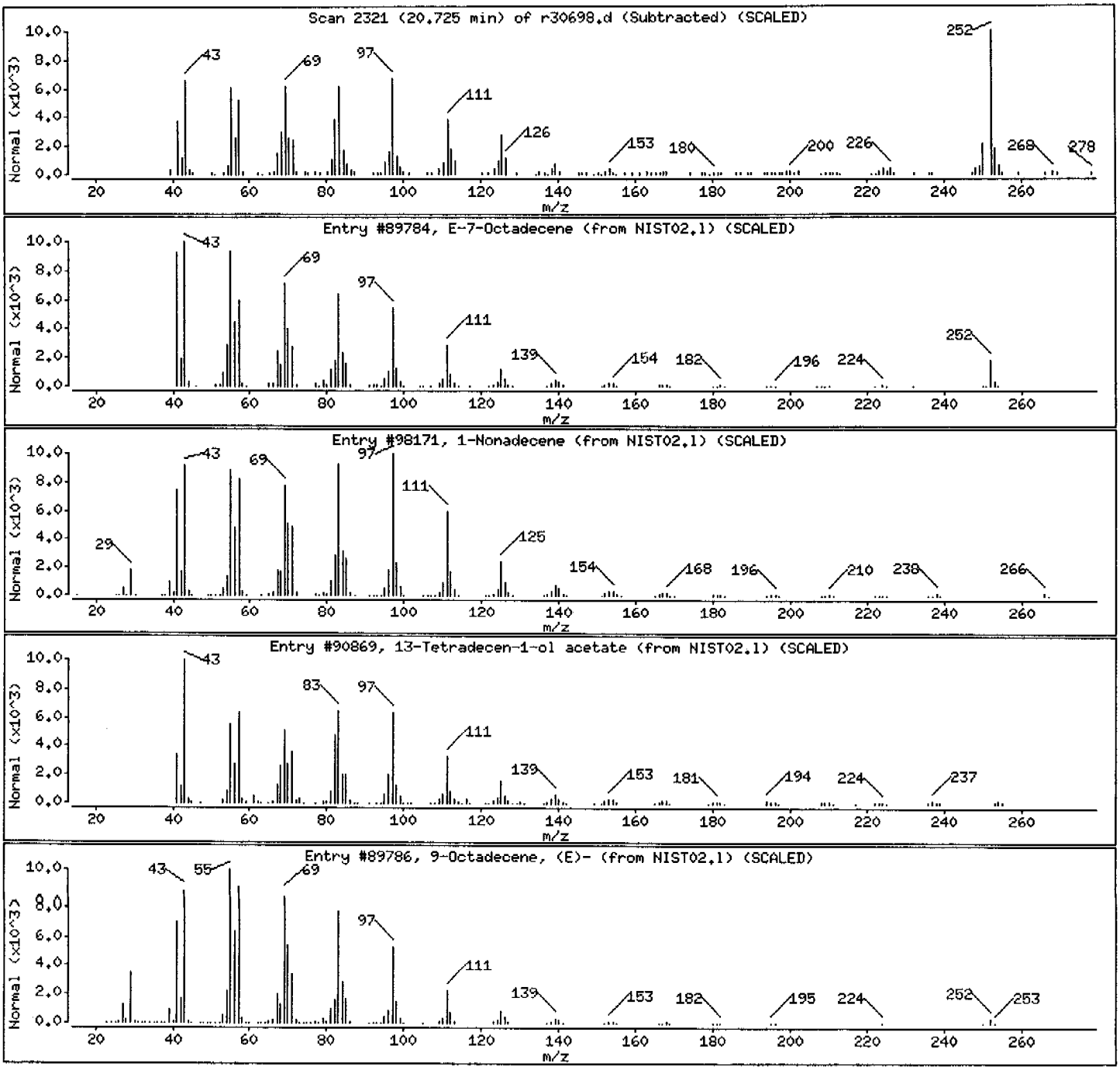
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
E-7-Octadecene	1000130-92-0	NIST02.l	89784	93	C18H36	252
1-Nonadecene	18435-45-5	NIST02.l	98171	80	C19H38	266
13-Tetradecen-1-ol acetate	56221-91-1	NIST02.l	90869	70	C16H3002	254
9-Octadecene, (E)-	7206-25-9	NIST02.l	89786	70	C18H36	252



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

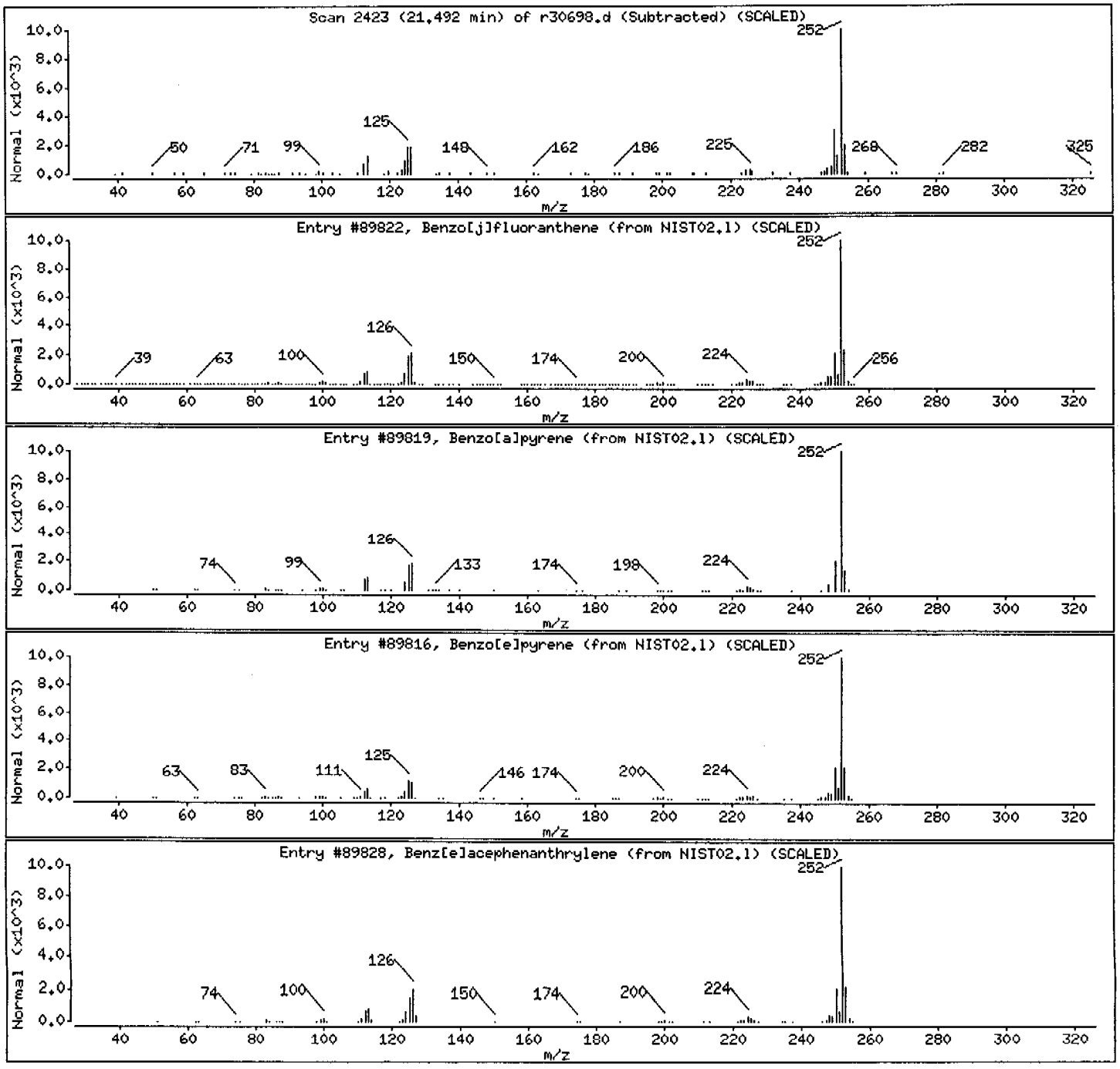
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[j]fluoranthene	205-82-3	NIST02.l	89822	96	C20H12	252
Benzo[a]pyrene	50-32-8	NIST02.l	89819	96	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	95	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89828	94	C20H12	252



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

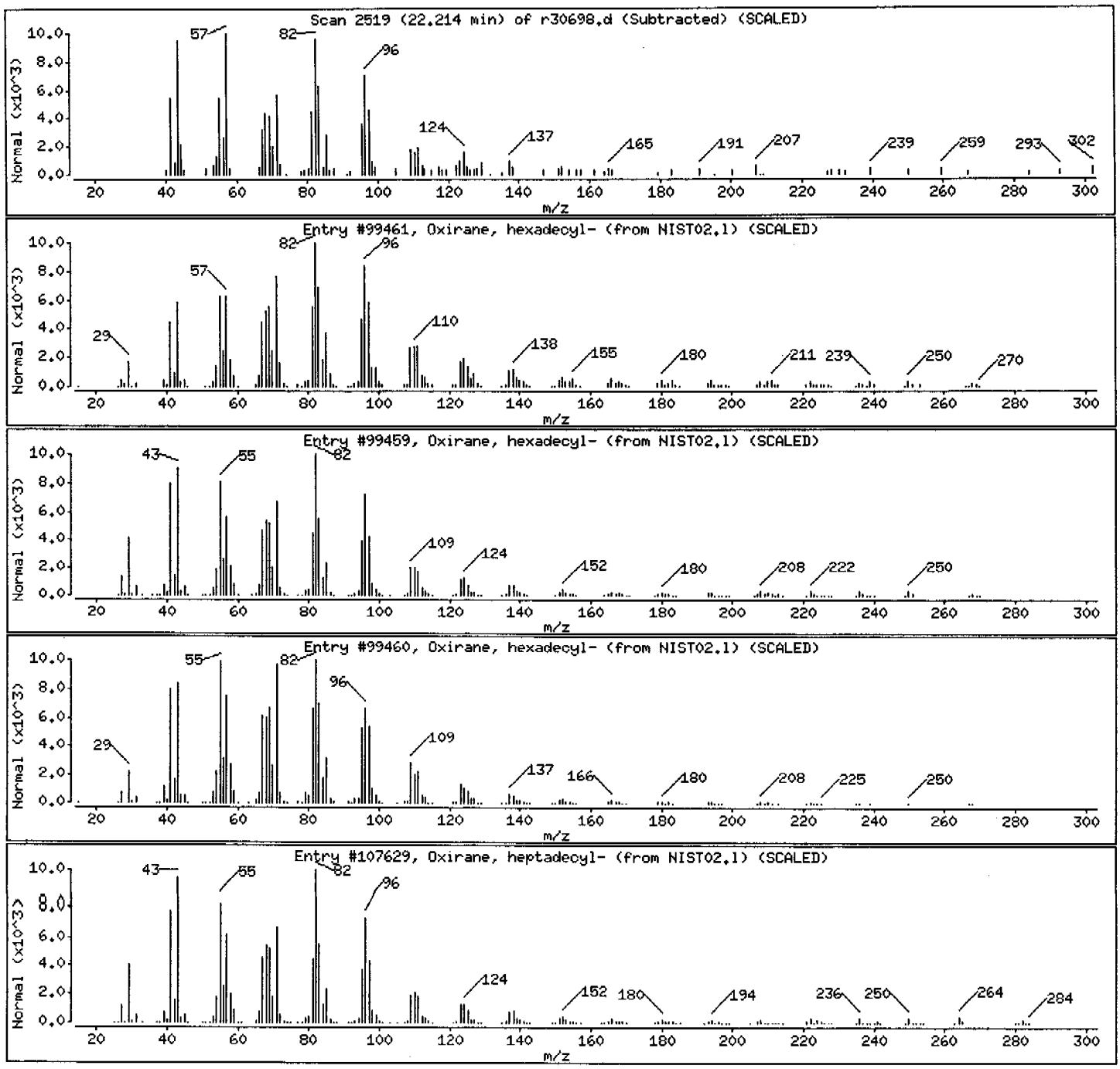
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Oxirane, hexadecyl-	7390-81-0	NIST02.1	99461	90	C18H36O	268
Oxirane, hexadecyl-	7390-81-0	NIST02.1	99459	81	C18H36O	268
Oxirane, hexadecyl-	7390-81-0	NIST02.1	99460	78	C18H36O	268
Oxirane, heptadecyl-	67860-04-2	NIST02.1	107629	74	C19H38O	282



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

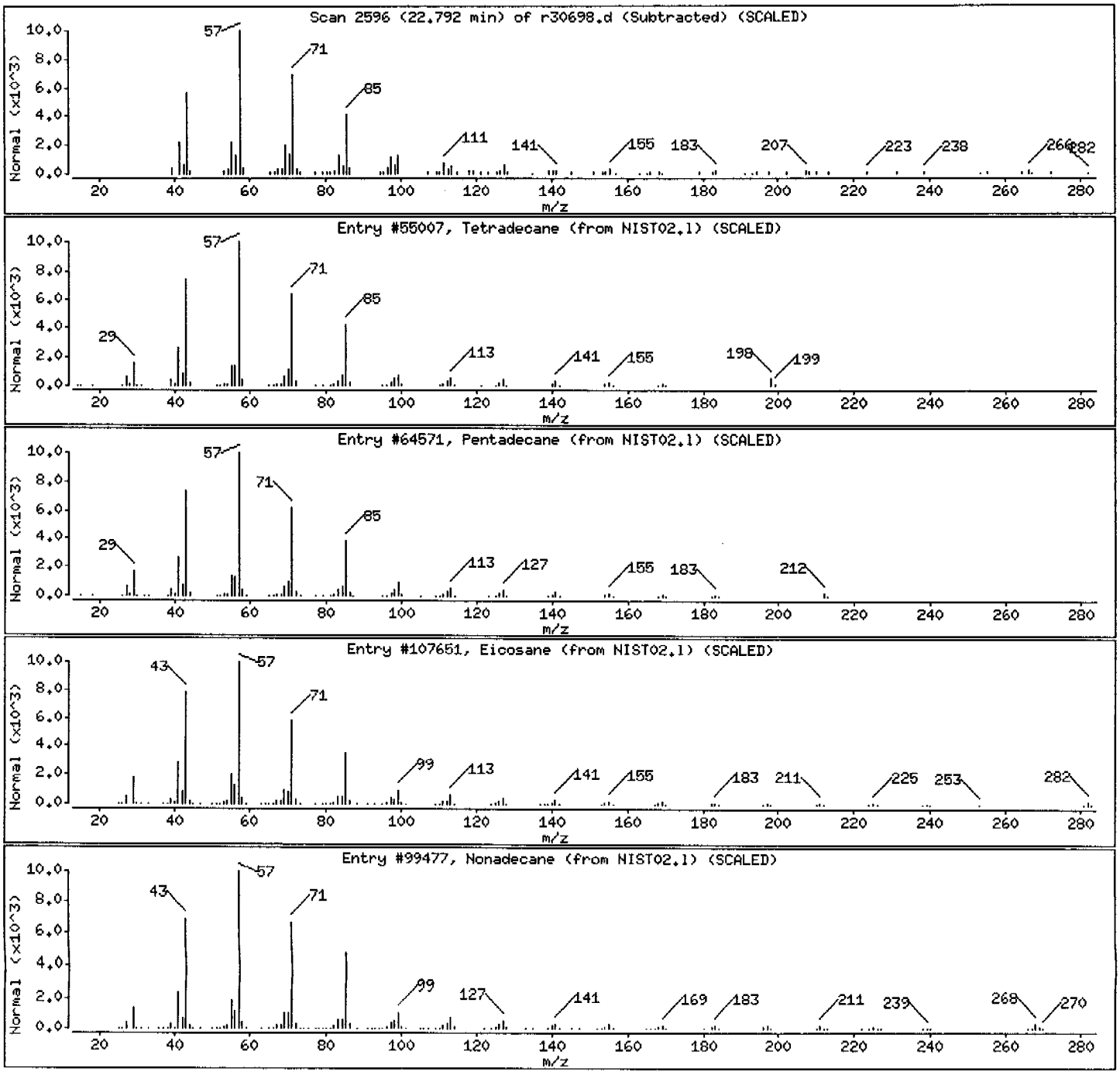
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane	629-59-4	NIST02.l	55007	83	C14H30	198
Pentadecane	629-62-9	NIST02.l	64571	83	C15H32	212
Eicosane	112-95-8	NIST02.l	107651	80	C20H42	282
Nonadecane	629-92-5	NIST02.l	99477	80	C19H40	268



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

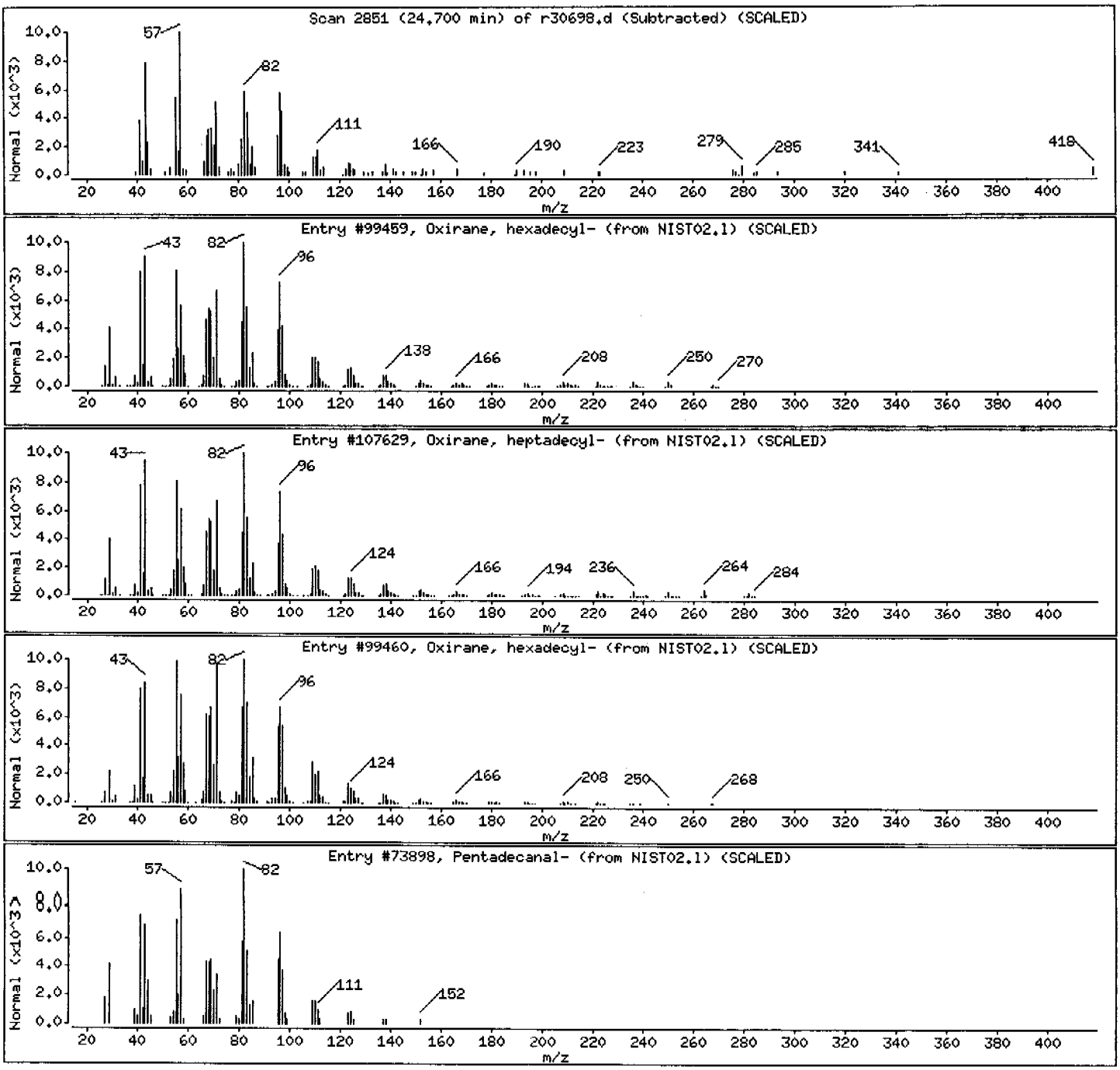
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Oxirane, hexadecyl-	7390-81-0	NIST02.l	99459	87	C18H36O	268
Oxirane, heptadecyl-	67860-04-2	NIST02.l	107629	87	C19H38O	282
Oxirane, hexadecyl-	7390-81-0	NIST02.l	99460	74	C18H36O	268
Pentadecanal-	2765-11-9	NIST02.l	73898	58	C15H30O	226



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

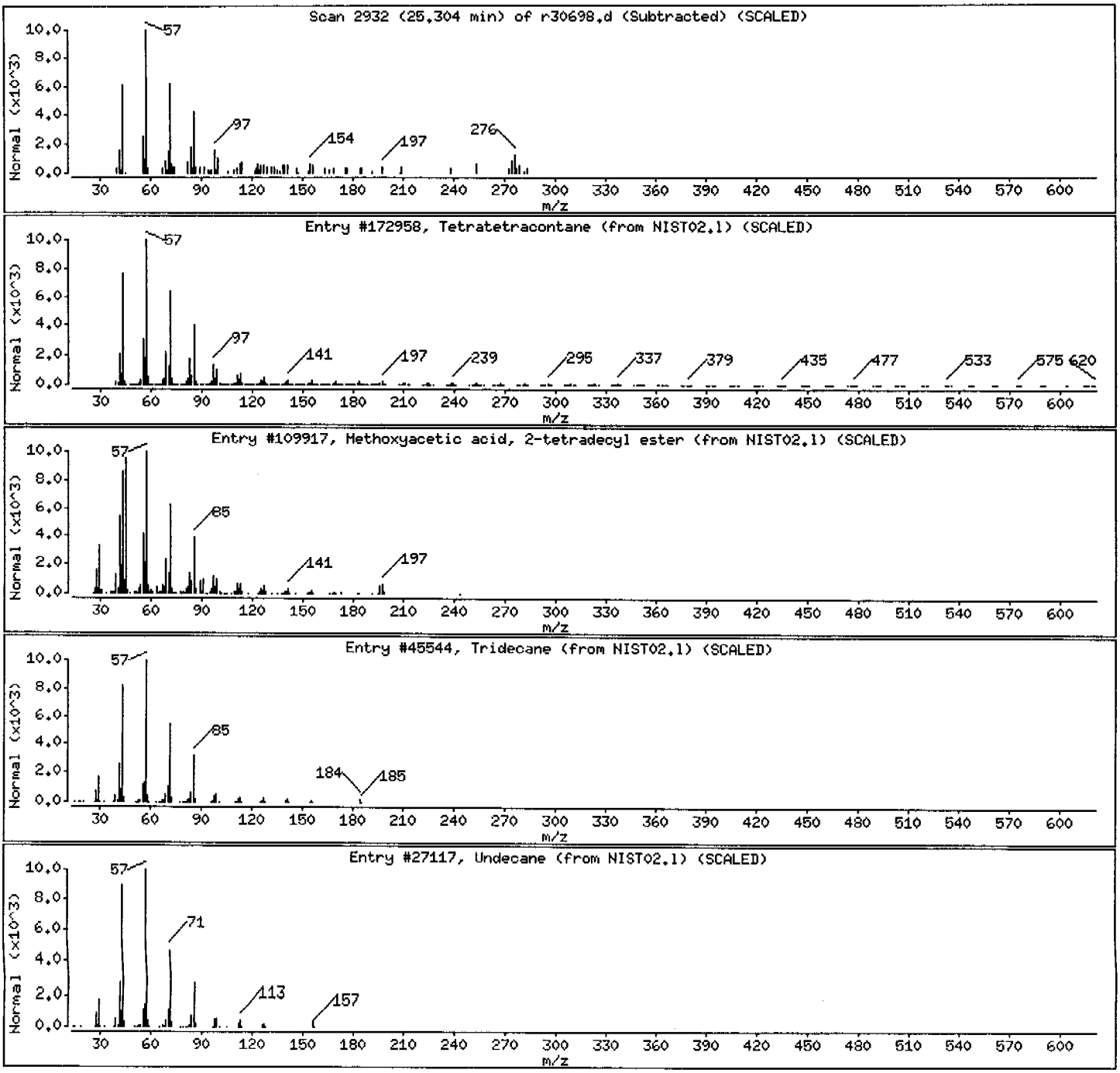
Date : 06-OCT-2006 17:12

Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetratetracontane	7098-22-8	NIST02.l	172958	72	C44H90	619
Methoxyacetic acid, 2-tetradecyl ester	1000282-04-8	NIST02.l	109917	72	C17H34O3	286
Tridecane	629-50-5	NIST02.l	45544	68	C13H28	184
Undecane	1120-21-4	NIST02.l	27117	64	C11H24	156



Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30698.d

Date : 06-OCT-2006 17:12

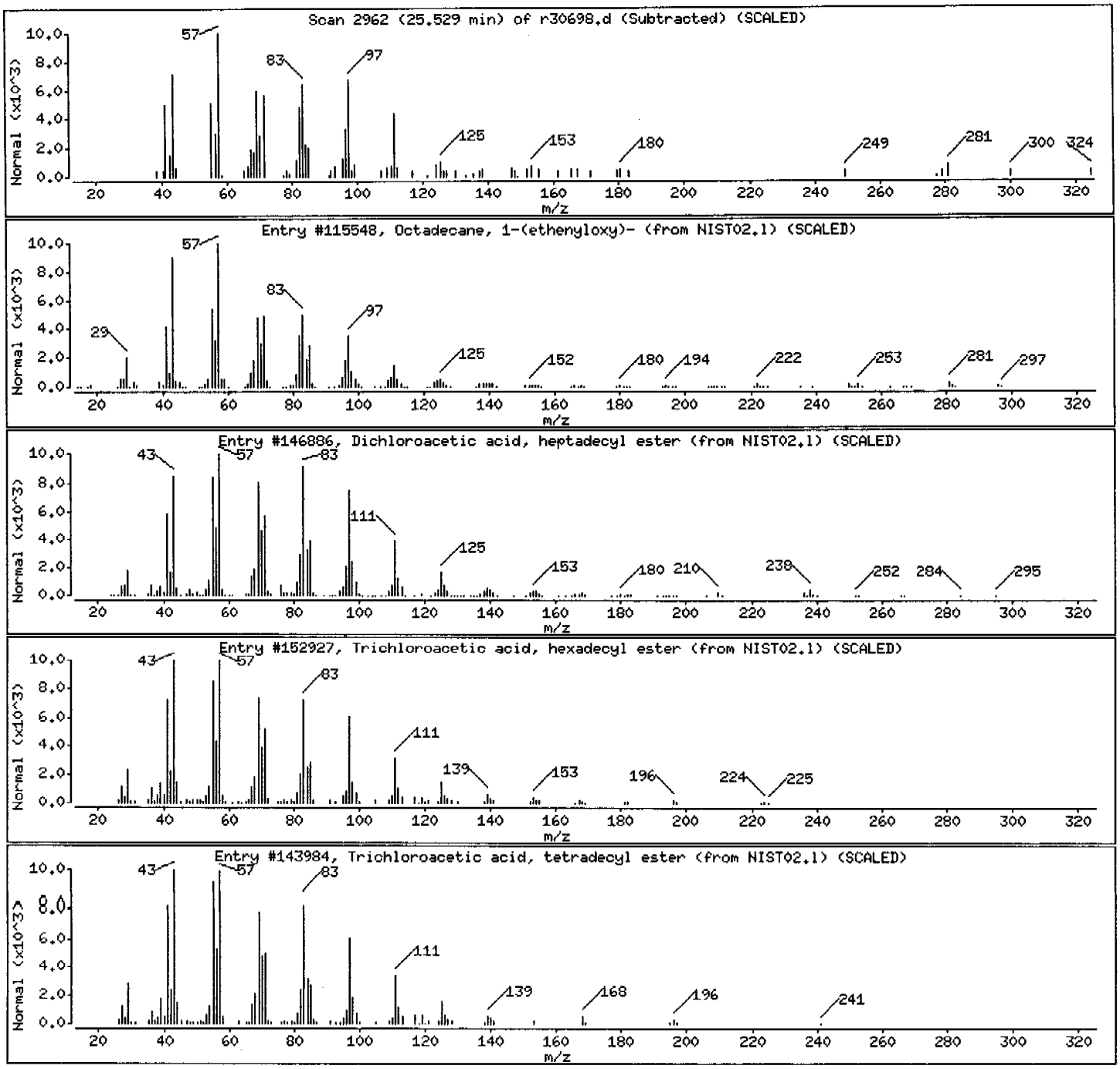
Client ID: B1405-SS01 Instrument: BNAMS1.i

Sample Info: 775285;3281125

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecane, 1-(ethenyloxy)-	930-02-9	NIST02.l	115548	52	C20H40O	296
Dichloroacetic acid, heptadecyl ester	1000282-98-2	NIST02.l	146886	49	C19H36Cl2O2	366
Trichloroacetic acid, hexadecyl ester	74339-54-1	NIST02.l	152927	49	C18H33Cl3O2	386
Trichloroacetic acid, tetradecyl ester	74339-52-9	NIST02.l	143984	49	C16H29Cl3O2	358



Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample No: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30693.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	ND	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	74
2-Methylnaphthalene	ND	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	740
Dimethylphthalate	ND	370
Acenaphthylene	ND	370
2,6-Dinitrotoluene	ND	74
3-Nitroaniline	ND	740
Acenaphthene	ND	370
Dibenzofuran	ND	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
4-Nitroaniline	ND	740
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	ND	370
Anthracene	ND	370

Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample No: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30693.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	370
Di-n-butylphthalate	ND	370
Fluoranthene	ND	370
Pyrene	ND	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	ND	37
Chrysene	ND	370
bis(2-Ethylhexyl)phthalate	80 J	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	ND	37
Benzo(k)fluoranthene	ND	37
Benzo(a)pyrene	ND	37
Indeno(1,2,3-cd)pyrene	ND	37
Dibenz(a,h)anthracene	ND	37
Benzo(g,h,i)perylene	ND	370

Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample No: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30693.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30693.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30693.d
Lab Smp Id: 775286 Client Smp ID: B1405-SS02
Inj Date : 06-OCT-2006 14:03
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775286;3281142
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	9.30000	% Moisture

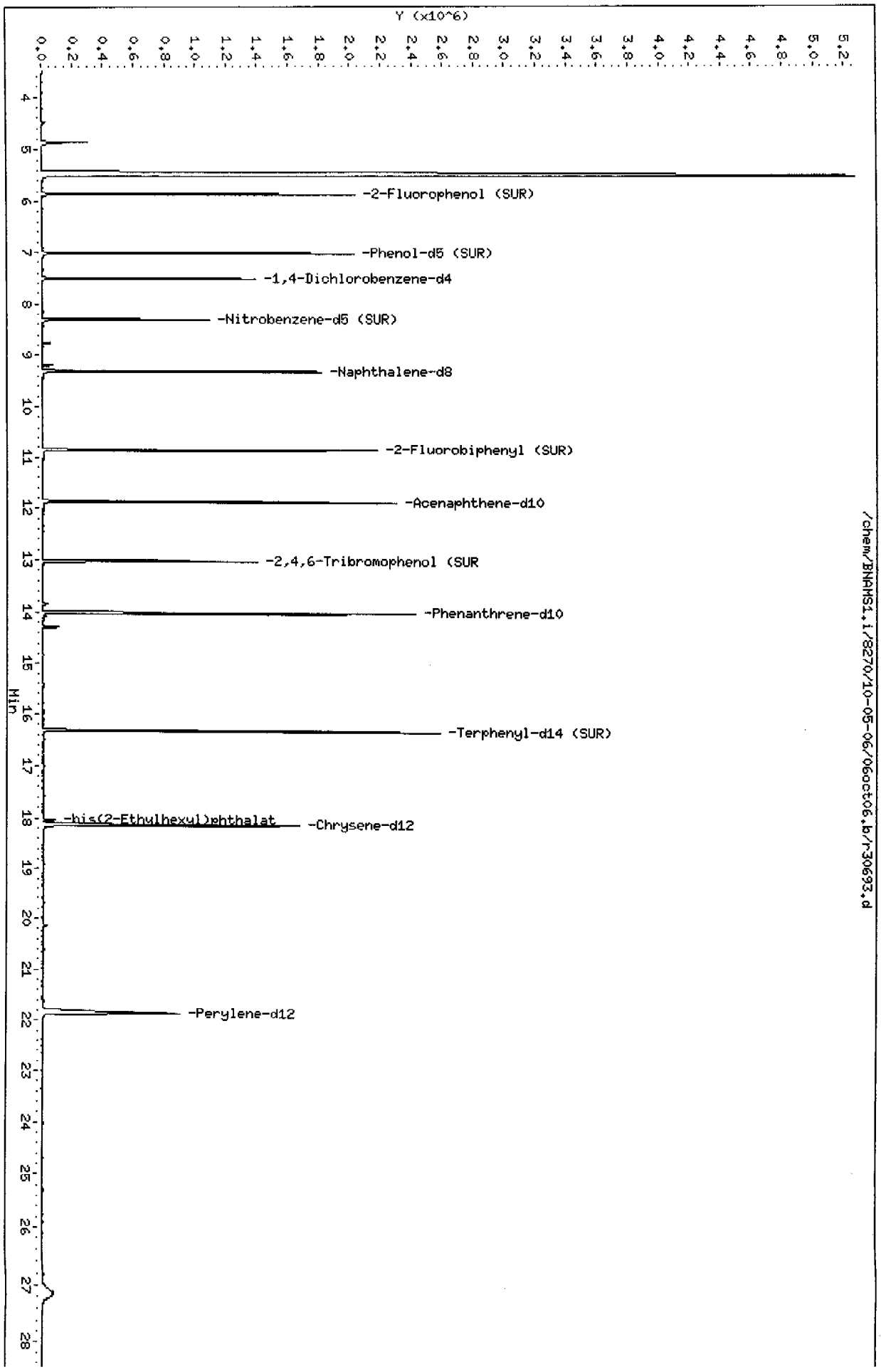
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.847	5.826	(0.778)	819086	75.5467	5600
$	17 Phenol-d5 (SUR)	99	7.021	7.012	(0.935)	1040315	77.1879	5700
*	79 1,4-Dichlorobenzene-d4	152	7.511	7.499	(1.000)	289496	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.310	8.302	(0.893)	460733	36.2817	2700
*	80 Naphthalene-d8	136	9.307	9.293	(1.000)	1238902	40.0000	
$	77 2-Fluorobiphenyl (SUR)	172	10.853	10.848	(0.914)	913528	37.4165	2800
*	82 Acenaphthene-d10	164	11.869	11.858	(1.000)	819529	40.0000	
$	18 2,4,6-Tribromophenol (SUR)	330	13.028	13.021	(1.098)	218741	48.5362	3600
*	83 Phenanthrene-d10	188	14.016	14.005	(1.000)	1322978	40.0000	
$	78 Terphenyl-d14 (SUR)	244	16.312	16.302	(0.900)	1133814	40.0277	2900
	63 bis(2-Ethylhexyl)phthalate	149	18.051	18.048	(0.995)	36716	1.08542	80(a)
*	81 Chrysene-d12	240	18.133	18.137	(1.000)	1289130	40.0000	
*	84 Perylene-d12	264	21.852	21.844	(1.000)	1065447	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30693.d
Report Date: 08-Oct-2006 09:35

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30693.d
Date : 06-OCT-2006 14:03
Client ID: B1405-SS02
Sample Info: 775286;3281142
Column phase: DE-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-bis(2-Ethylhexyl)phthalat
-Chrysene-d12
-Perylene-d12
/chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30693.d

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30693.d

Date : 06-OCT-2006 14:03

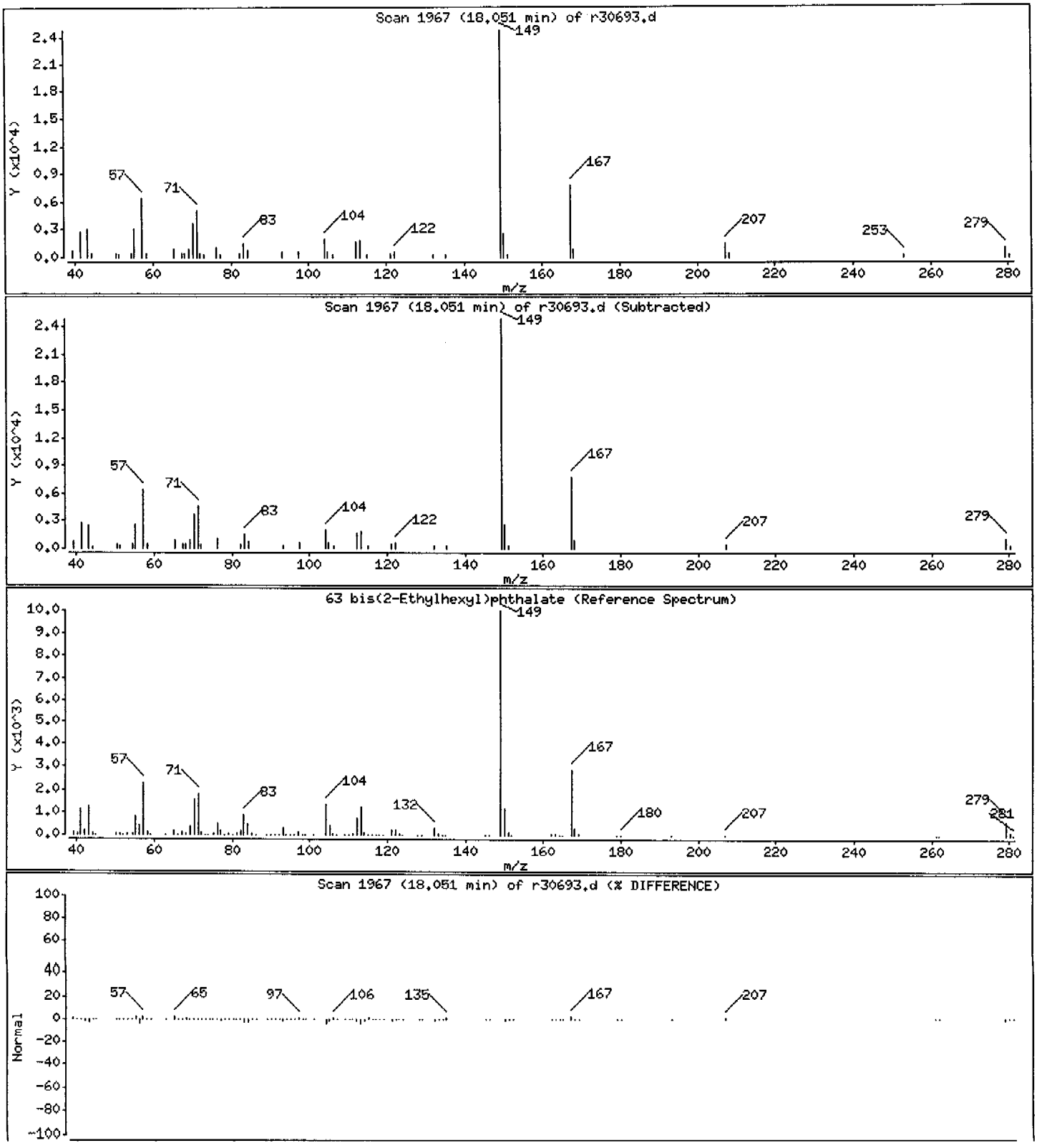
Client ID: B1405-SS02 Instrument: BNAMS1.i

Sample Info: 775286;3281142

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 80 ug/Kg



Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample No: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30732.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	13 J	380
4-Chloroaniline	32 J	380
Hexachlorobutadiene	ND	76
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	760
Dimethylphthalate	320 J	380
Acenaphthylene	15 J	380
2,6-Dinitrotoluene	ND	76
3-Nitroaniline	40 J	760
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	760
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	86 J	380
Anthracene	24 J	380

Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample No: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30732.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	12 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	180 J	380
Pyrene	240 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	66 J	760
Benzo(a)anthracene	110	38
Chrysene	130 J	380
bis(2-Ethylhexyl)phthalate	4700	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	150	38
Benzo(k)fluoranthene	160	38
Benzo(a)pyrene	120	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample No: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30732.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Benzene, isocyanato-	6.86	540	
2.	Aniline	7.08	590	
3.	o-Chloroaniline	8.69	340	
4.	Benzene, 1-chloro-2-isocyanato-	8.76	330	
5.	Benzenamine, 2-methoxy-	9.10	1400	
6.	Benzene, 1-isocyanato-2-methoxy-	9.40	910	
7.	2-Naphthalenol	11.98	620	
8.	Unknown	12.29	740	
9.	Benzenamine, 4-chloro-2,5-dimethoxy-	12.79	400	
10.	Unknown	13.28	460	
11.	Unknown	17.38	480	
12.	Unknown	17.55	720	
13.	Unknown	19.24	610	
14.	Unknown	20.52	1200	
15.	Unknown	24.47	1000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 10340

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d
Report Date: 10-Oct-2006 11:57

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d
Lab Smp Id: 775288 Client Smp ID: B1406-SS01
Inj Date : 09-OCT-2006 16:16
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775288;3281176
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/8270C6-1.m
Meth Date : 10-Oct-2006 10:02 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	12.40000	% Moisture

Cpnd Variable Local Compound Variable

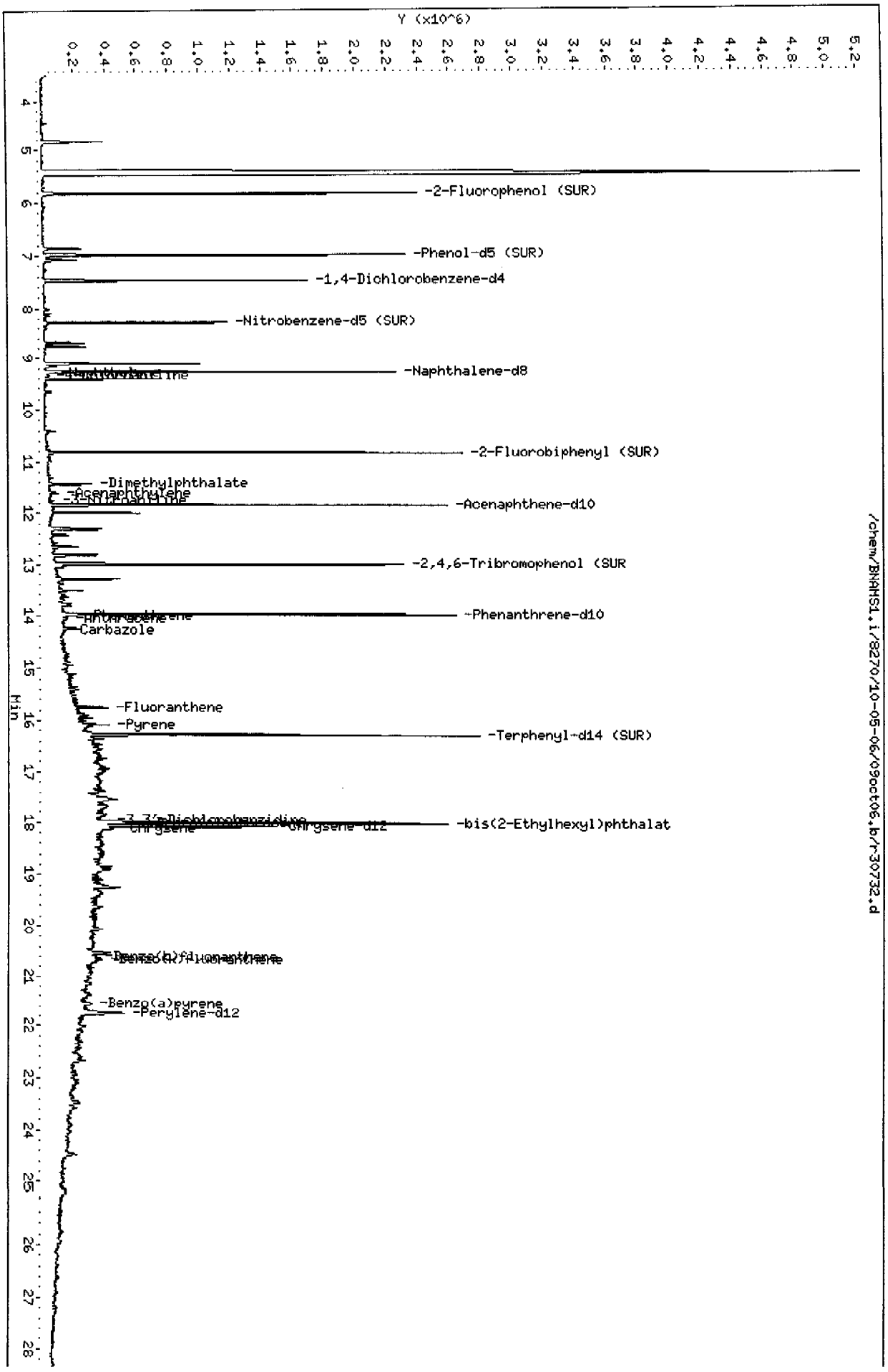
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.818	5.793	(0.779)	955706	71.6201	5400
$ 17 Phenol-d5 (SUR)	99	6.990	6.977	(0.935)	1217061	73.3704	5600
* 79 1,4-Dichlorobenzene-d4	152	7.473	7.468	(1.000)	356302	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.267	8.266	(0.893)	504837	35.1074	2700
* 80 Naphthalene-d8	136	9.262	9.259	(1.000)	1402901	40.0000	
31 Naphthalene	128	9.292	9.289	(1.003)	6056	0.17271	13(a)
32 4-Chloroaniline	127	9.337	9.371	(1.008)	6904	0.42675	32(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.809	10.811	(0.914)	1156925	41.4149	3200
38 Dimethylphthalate	163	11.426	11.430	(0.966)	137355	4.19796	320(a)
39 Acenaphthylene	152	11.598	11.602	(0.981)	7514	0.19186	15(a)
41 3-Nitroaniline	138	11.755	11.773	(0.994)	4651	0.52049	40(a)
* 82 Acenaphthene-d10	164	11.822	11.817	(1.000)	937680	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.987	12.977	(1.099)	355392	68.9212	5200
* 83 Phenanthrene-d10	188	13.970	13.966	(1.000)	1330398	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d
Report Date: 10-Oct-2006 11:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	52 Phenanthrene	178	14.001	14.004	(1.002)	44470	1.12900	86(a)
	53 Anthracene	178	14.061	14.064	(1.006)	12296	0.31221	24(a)
	54 Carbazole	167	14.285	14.288	(1.022)	5994	0.16117	12(a)
	56 Fluoranthene	202	15.738	15.740	(1.127)	97831	2.42272	180(a)
	57 Pyrene	202	16.076	16.083	(0.889)	84115	3.21288	240(a)
$	78 Terphenyl-d14 (SUR)	244	16.265	16.254	(0.900)	1079137	60.1263	4600
	60 3,3'-Dichlorobenzidine	252	17.965	17.972	(0.994)	8211	0.86740	66(a)
	63 bis(2-Ethylhexyl)phthalate	149	18.000	17.986	(0.996)	1313395	61.2785	4700
	61 Benzo(a)anthracene	228	18.021	18.030	(0.997)	32653	1.45303	110
*	81 Chrysene-d12	240	18.076	18.068	(1.000)	816822	40.0000	
	62 Chrysene	228	18.110	18.129	(1.002)	36662	1.75070	130(a)
	65 Benzo(b)fluoranthene	252	20.599	20.605	(0.948)	19806	1.95788	150
	66 Benzo(k)fluoranthene	252	20.648	20.686	(0.950)	18955	2.15878	160
	67 Benzo(a)pyrene	252	21.544	21.560	(0.991)	13464	1.58220	120
*	84 Perylene-d12	264	21.735	21.740	(1.000)	265148	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).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Date : 09-OCT-2006 16:16
Client ID: B1406-SS01
Sample Info: 775288;3281176
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Dimethylphthalate
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-bis(2-Ethylhexyl)phthalat
-Benzo(a)pyrene
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

Client ID: B1406-SS01

Instrument: BNAMS1.i

Sample Info: 775288;3281176

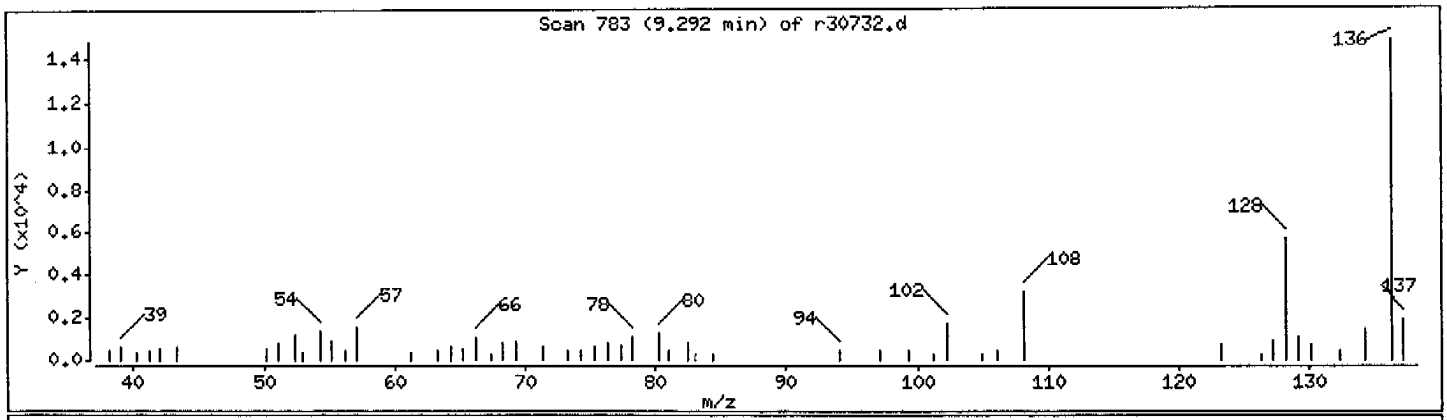
Operator: BNAMS 4

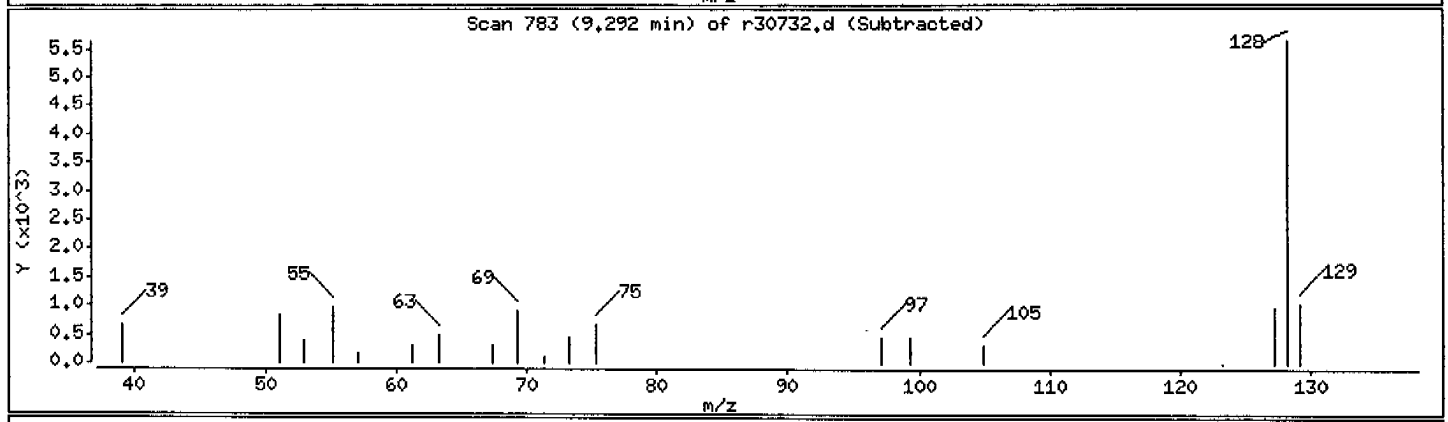
Column phase: DB-5

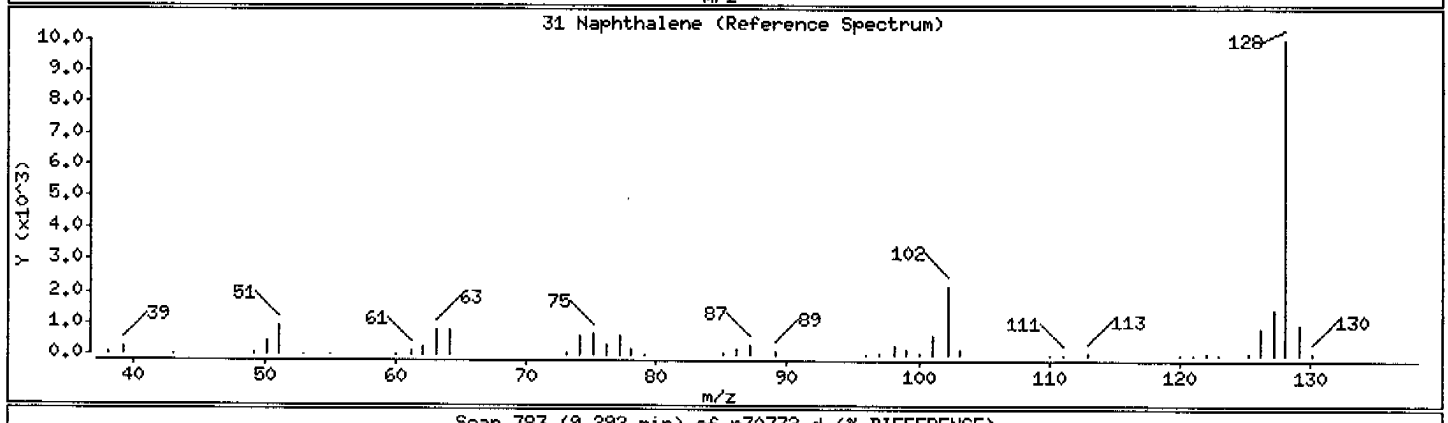
Column diameter: 0.25

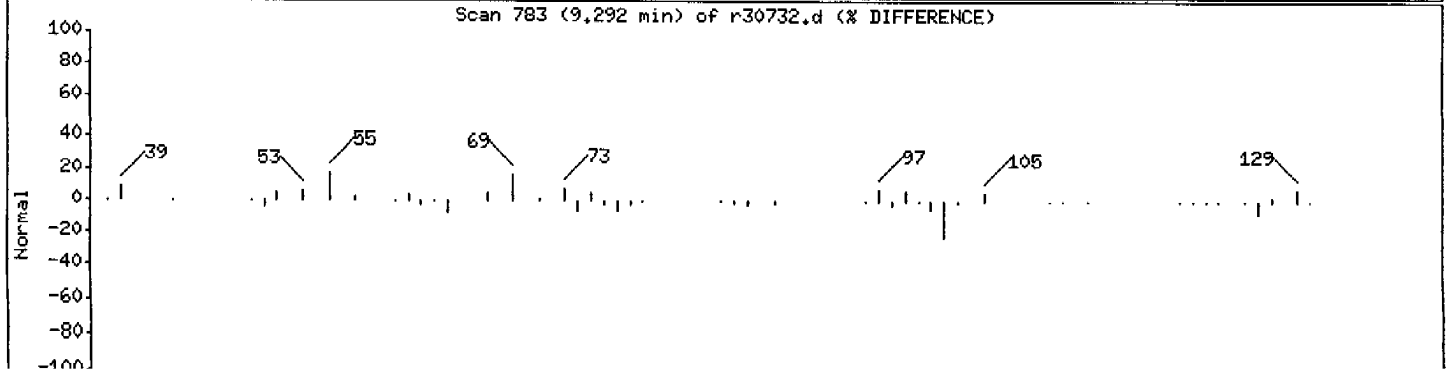
31 Naphthalene

Concentration: 13 ug/Kg









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Date : 09-OCT-2006 16:16

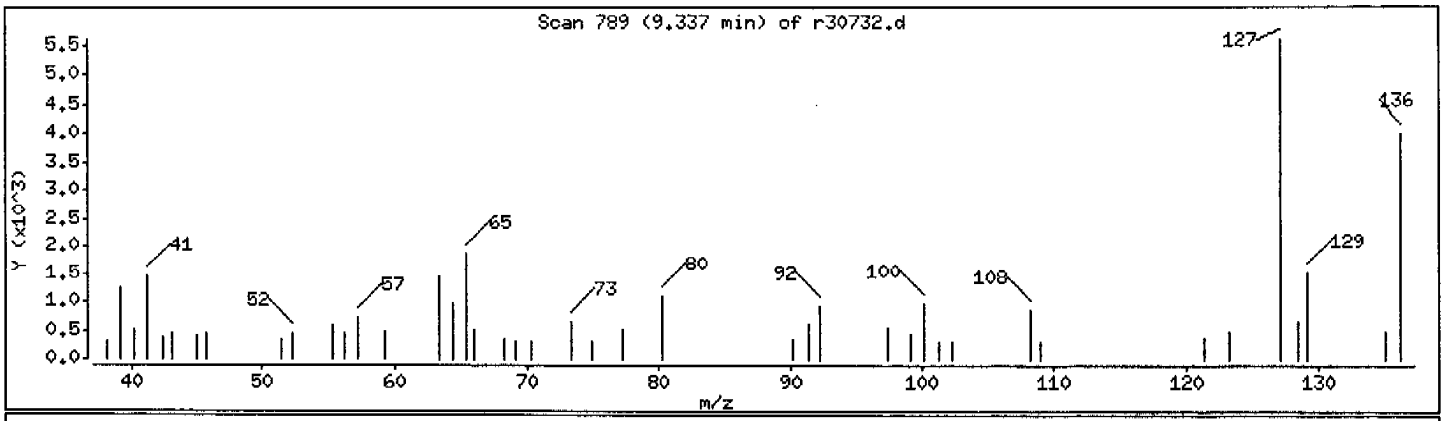
Client ID: B1406-SS01 Instrument: BNAMS1.i

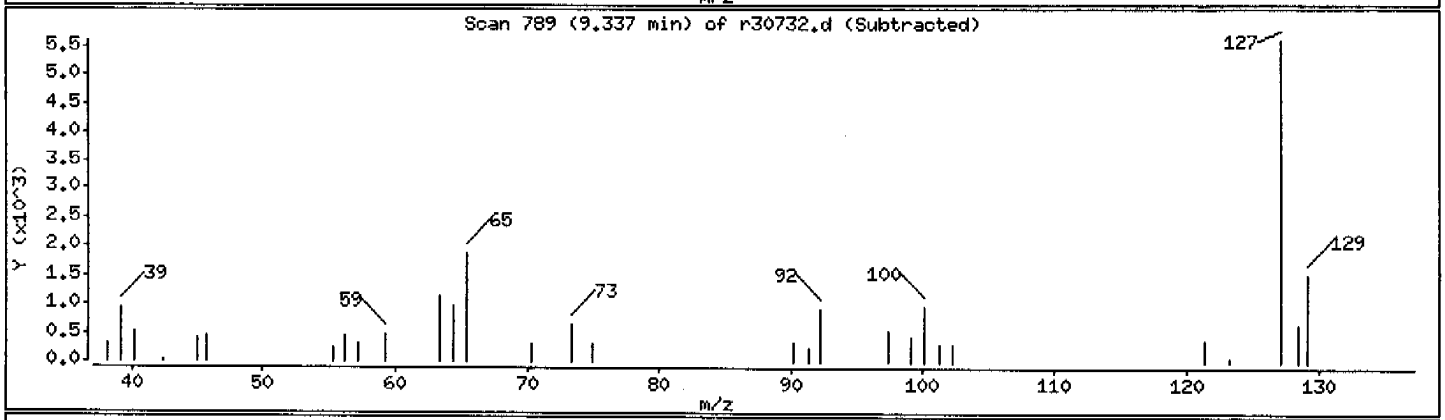
Sample Info: 775288;3281176

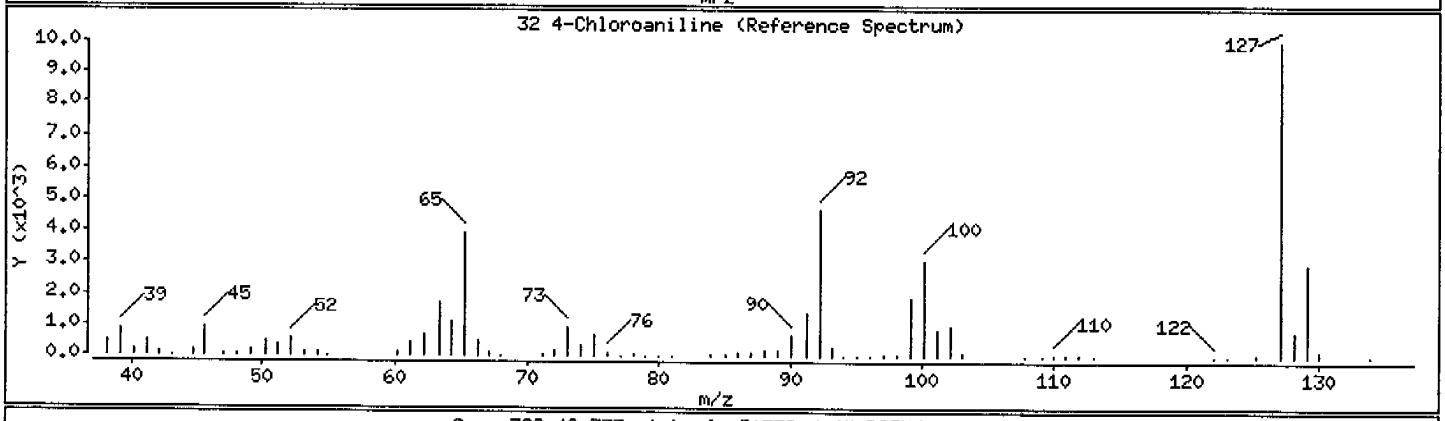
Operator: BNAMS 4

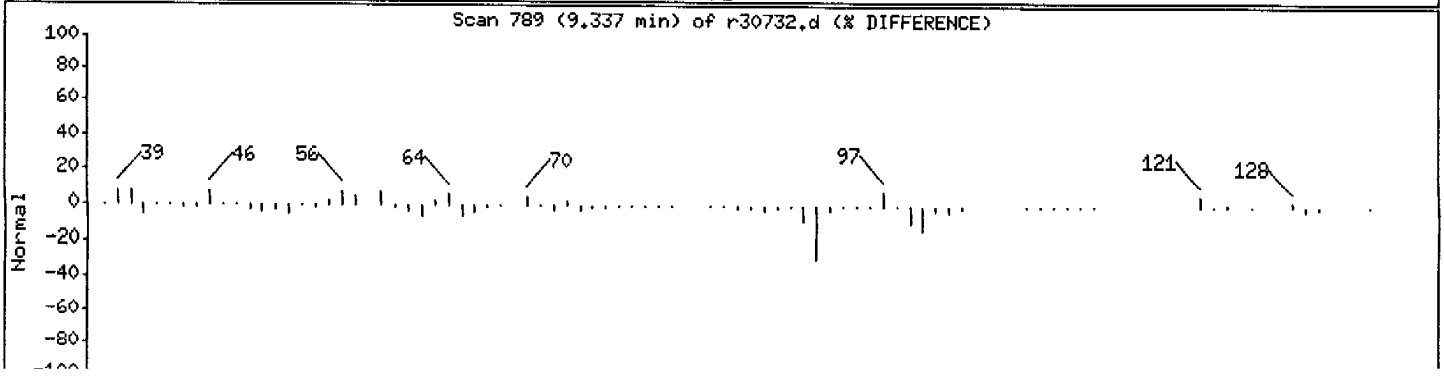
Column phase: DB-5 Column diameter: 0.25

32 4-Chloroaniline Concentration: 32 ug/Kg









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Date : 09-OCT-2006 16:16

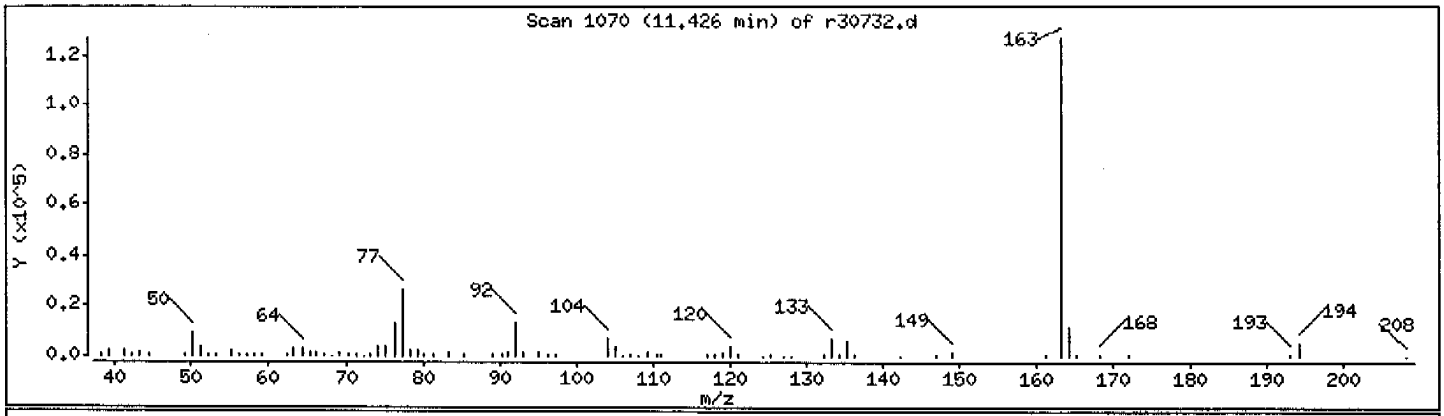
Client ID: B1406-SS01 Instrument: BNAMS1.i

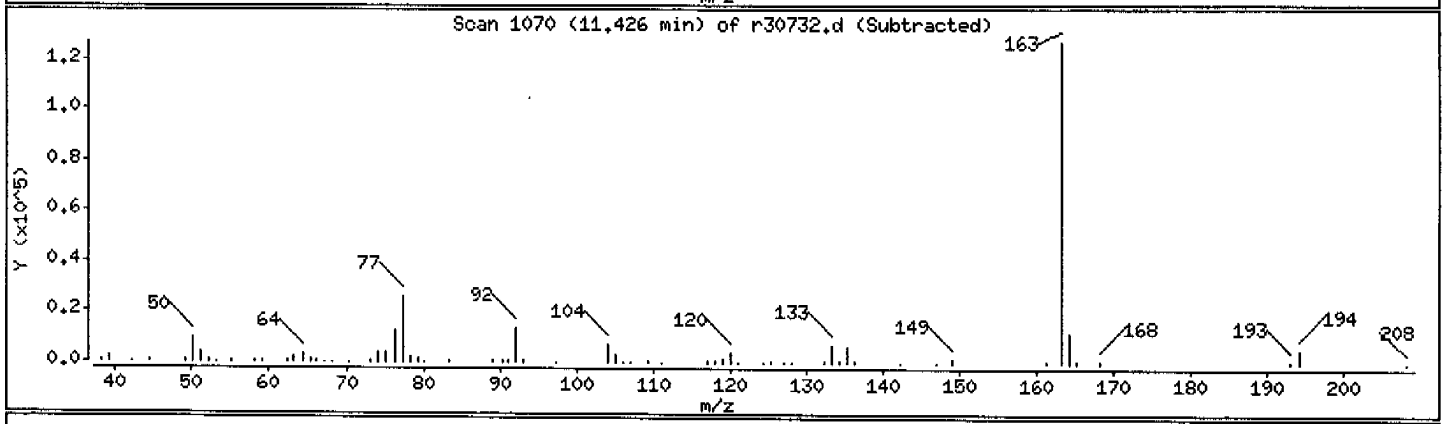
Sample Info: 775288;3281176

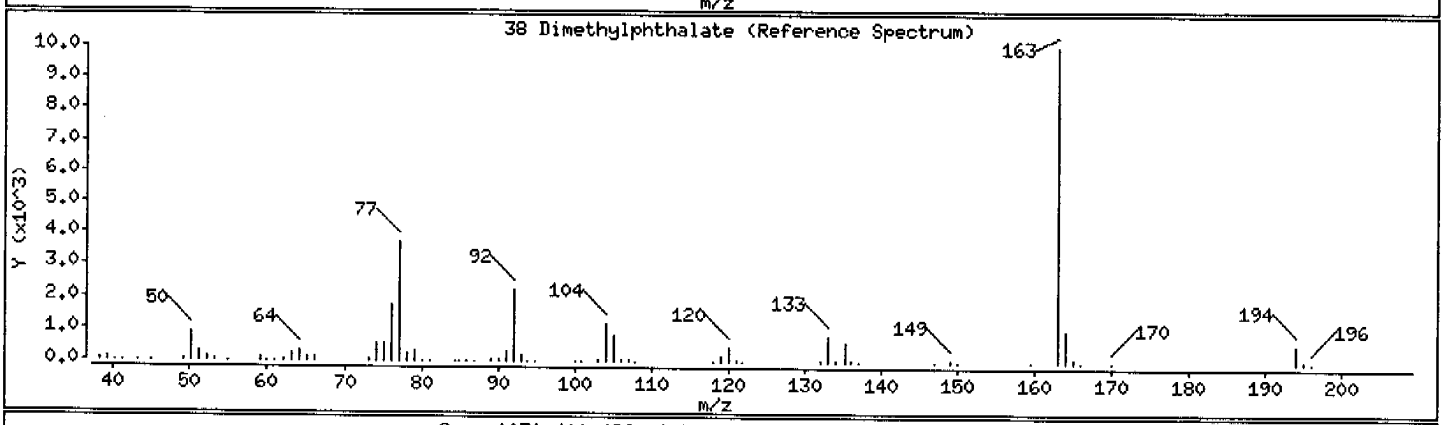
Operator: BNAMS 4

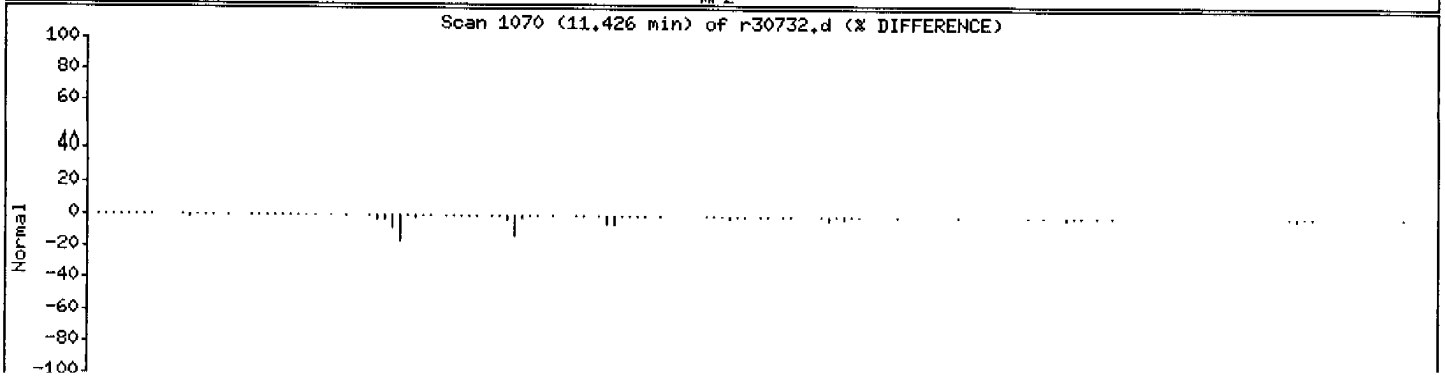
Column phase: DB-5 Column diameter: 0.25

38 Dimethylphthalate Concentration: 320 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

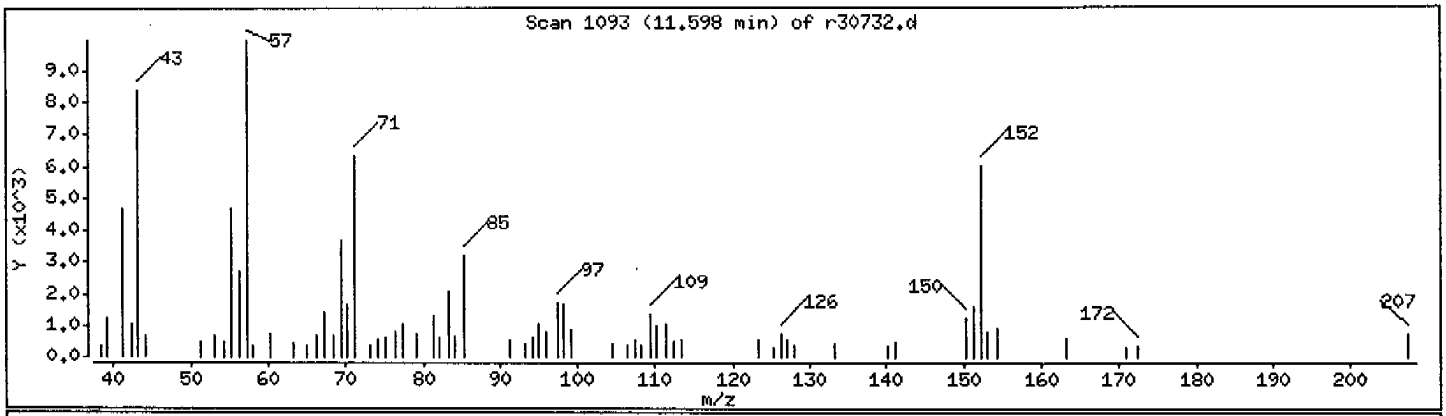
Client ID: B1406-SS01 Instrument: BNAMS1.i

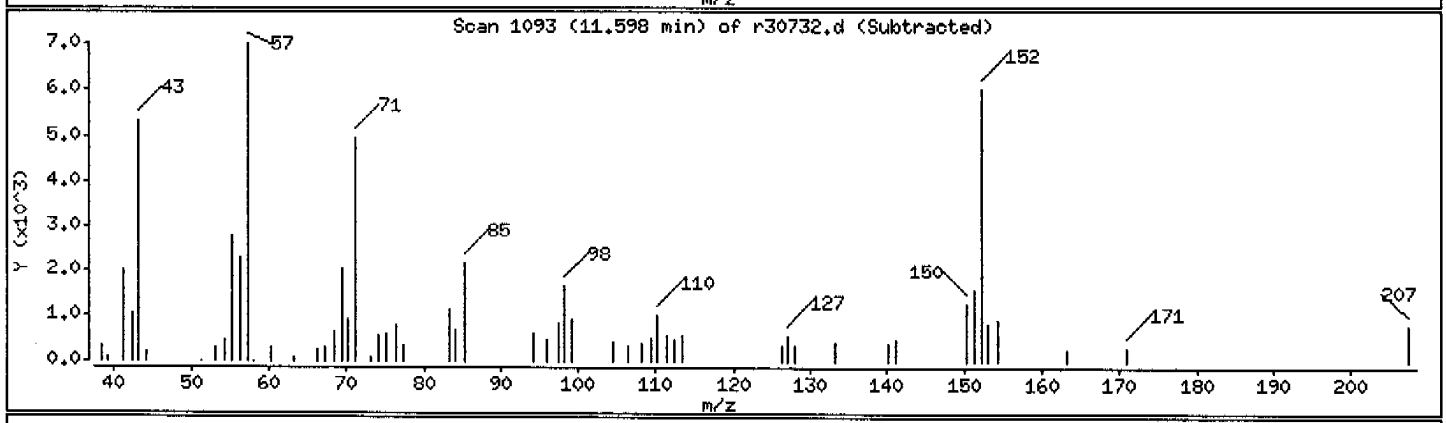
Sample Info: 775288:3281176

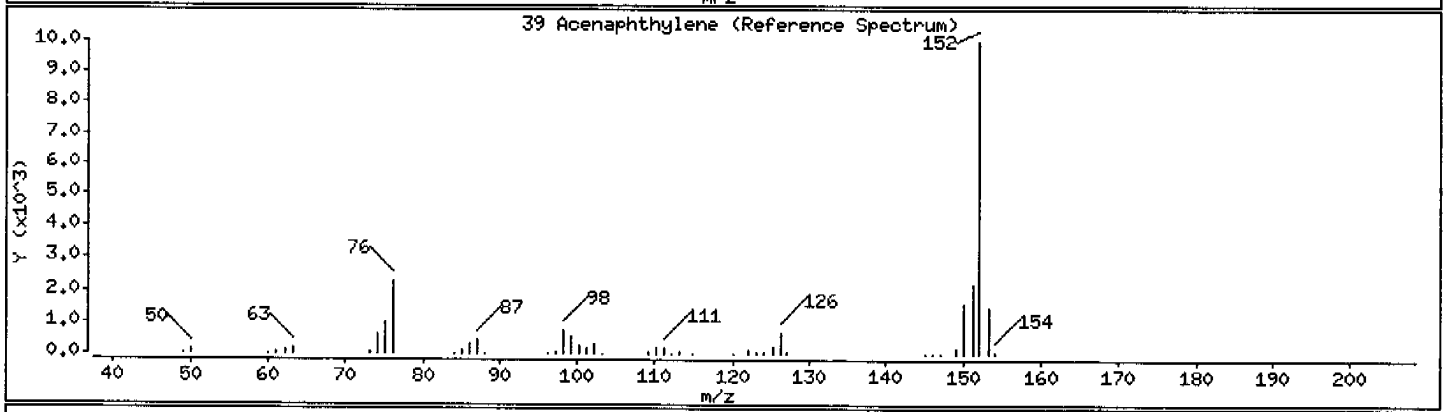
Operator: BNAMS 4

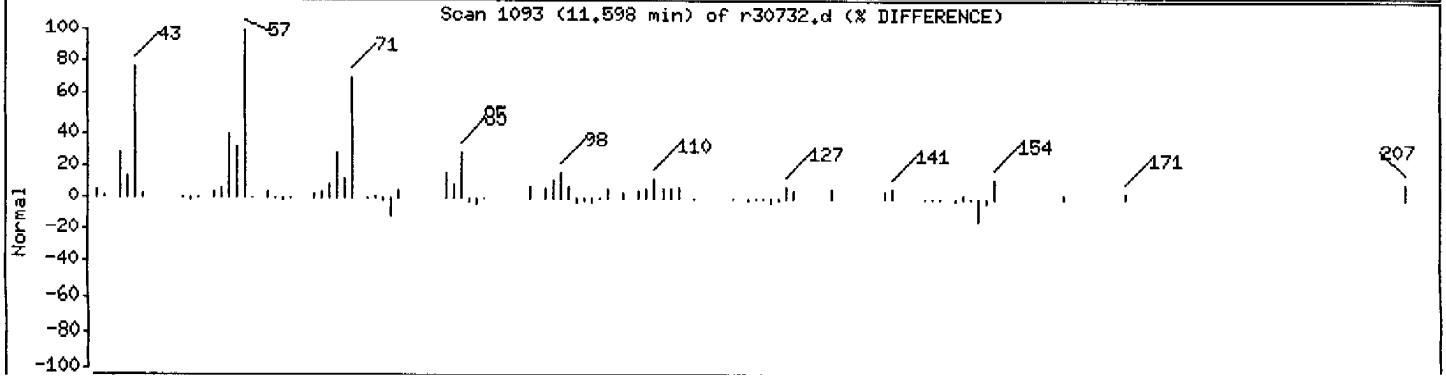
Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 15 ug/Kg









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Date : 09-OCT-2006 16:16

Client ID: B1406-SS01

Instrument: BNAMS1.i

Sample Info: 775288;3281176

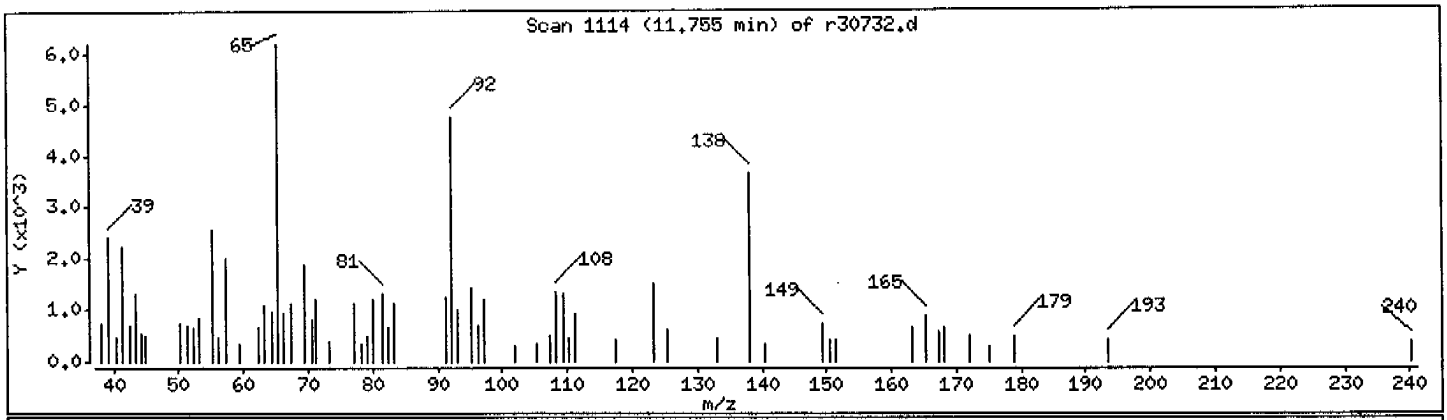
Operator: BNAMS 4

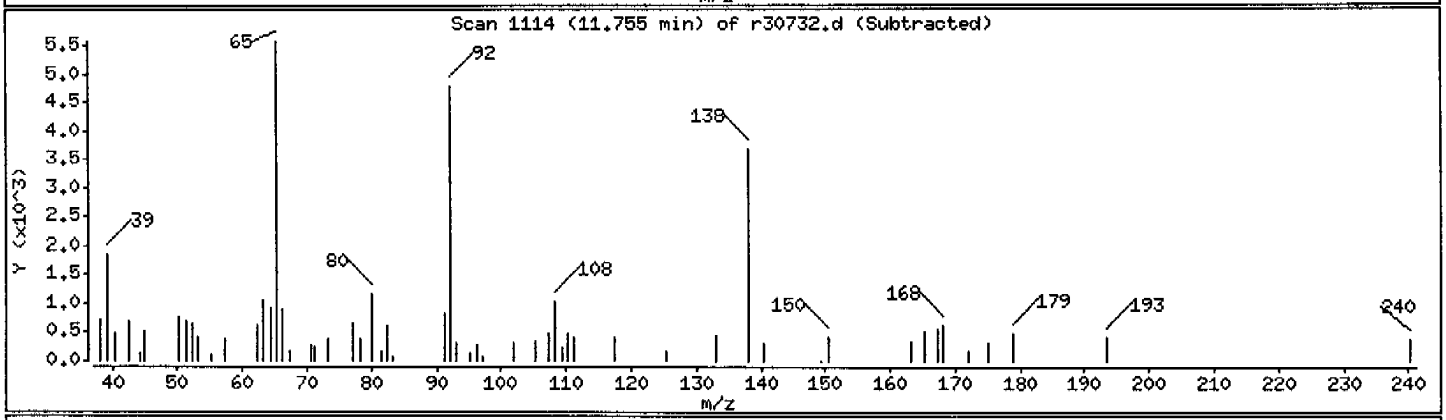
Column phase: DB-5

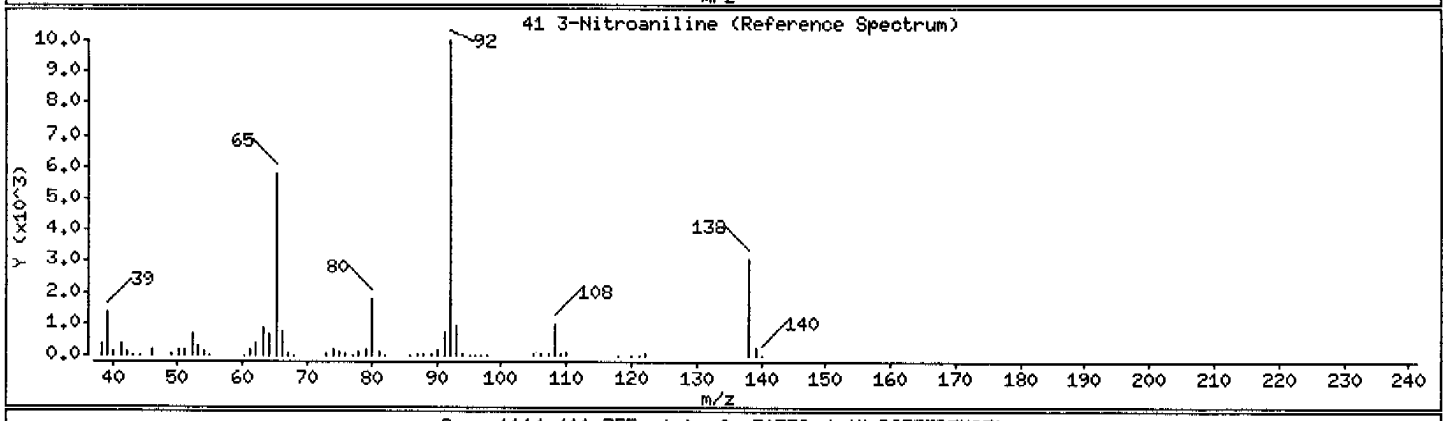
Column diameter: 0.25

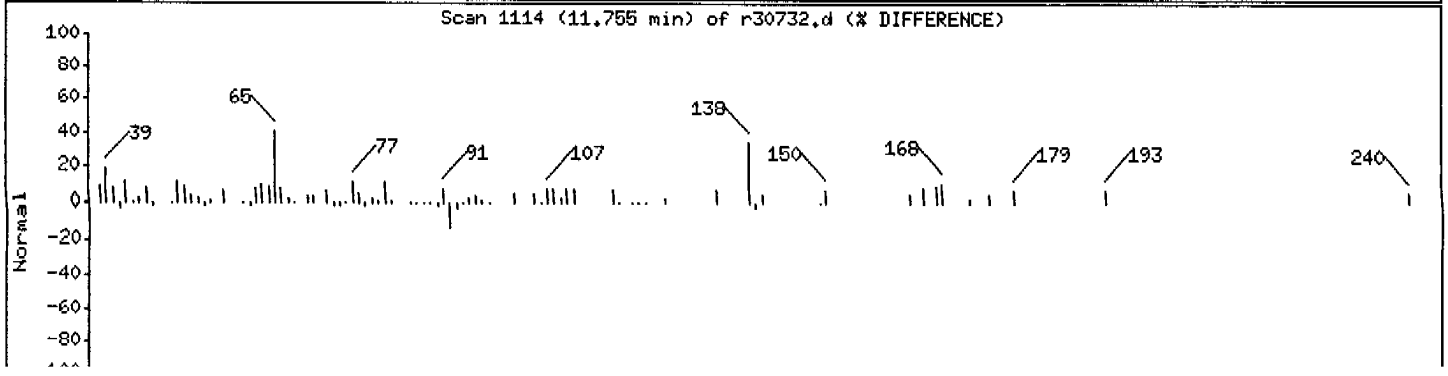
41 3-Nitroaniline

Concentration: 40 ug/Kg









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Date : 09-OCT-2006 16:16

Client ID: B1406-SS01

Instrument: BNAMS1.i

Sample Info: 775288;3281176

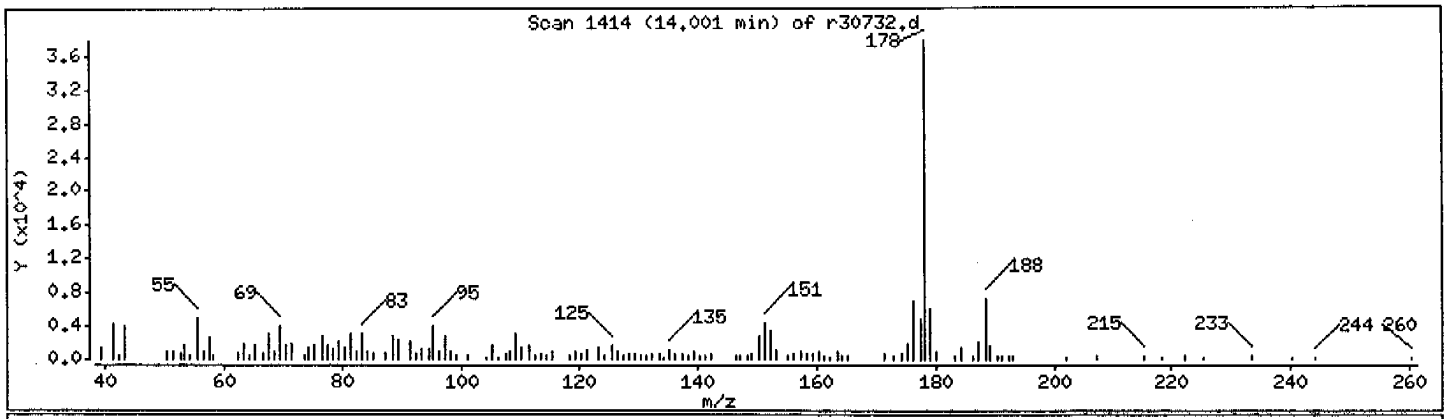
Operator: BNAMS 4

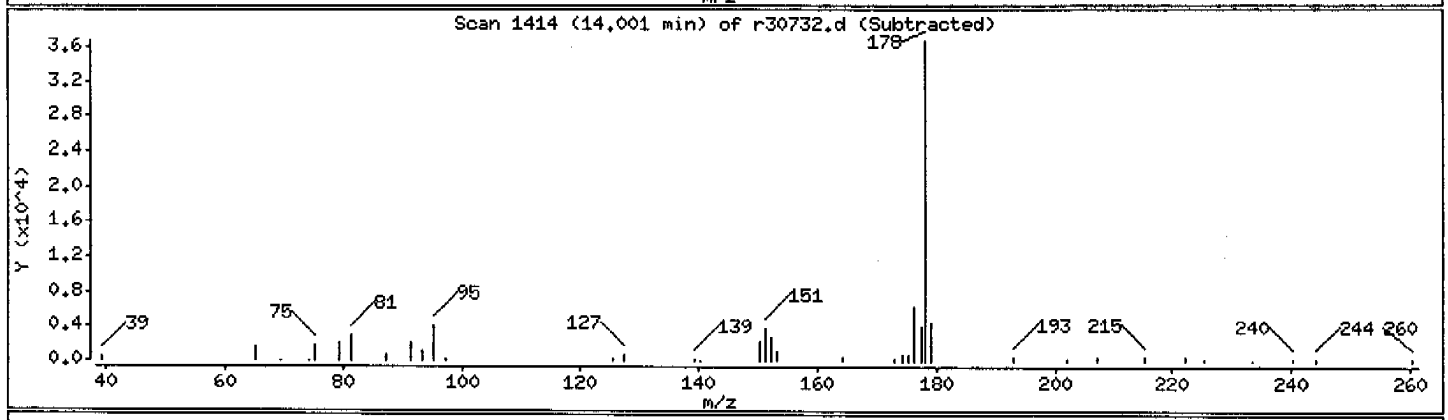
Column phase: DB-5

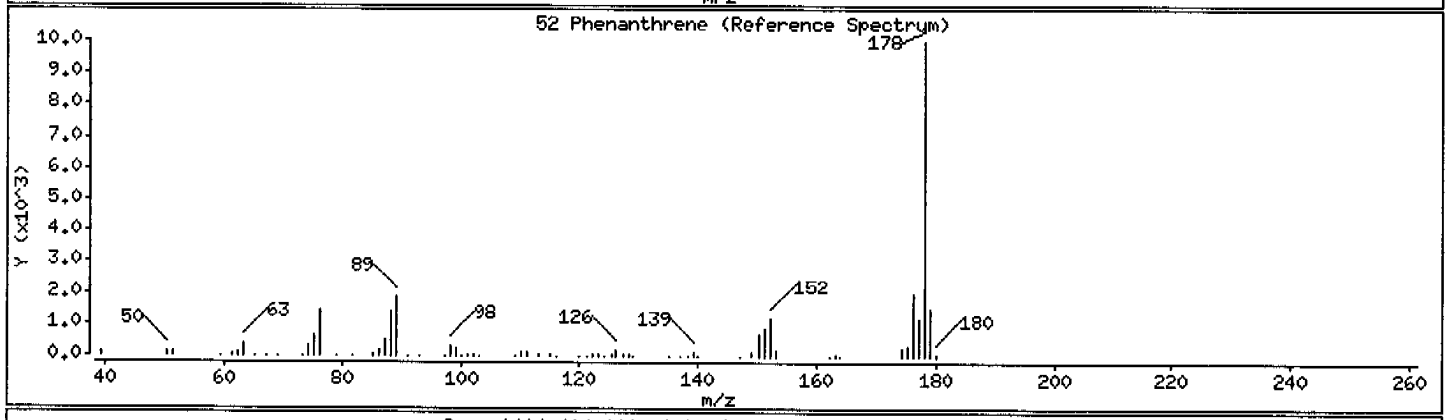
Column diameter: 0.25

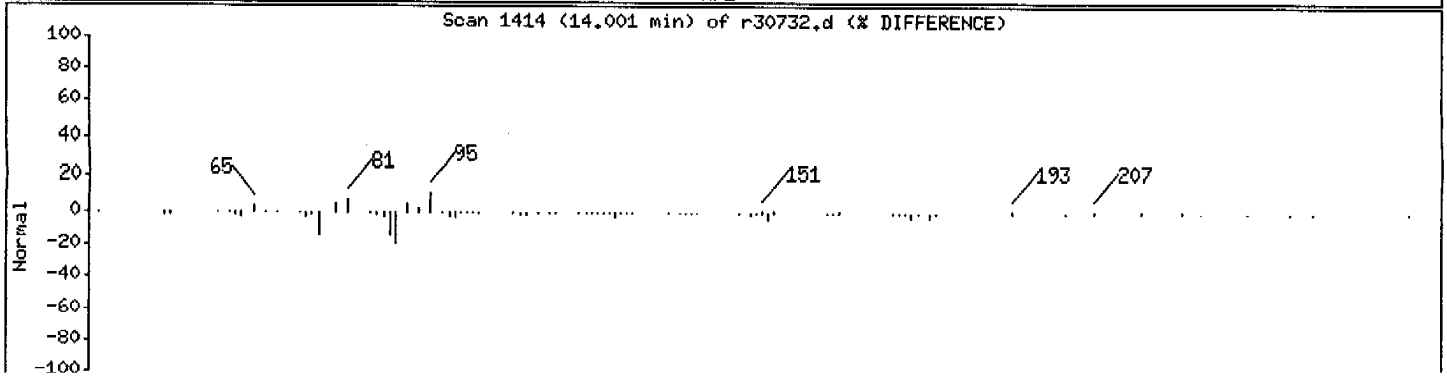
52 Phenanthrene

Concentration: 86 ug/Kg









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Date : 09-OCT-2006 16:16

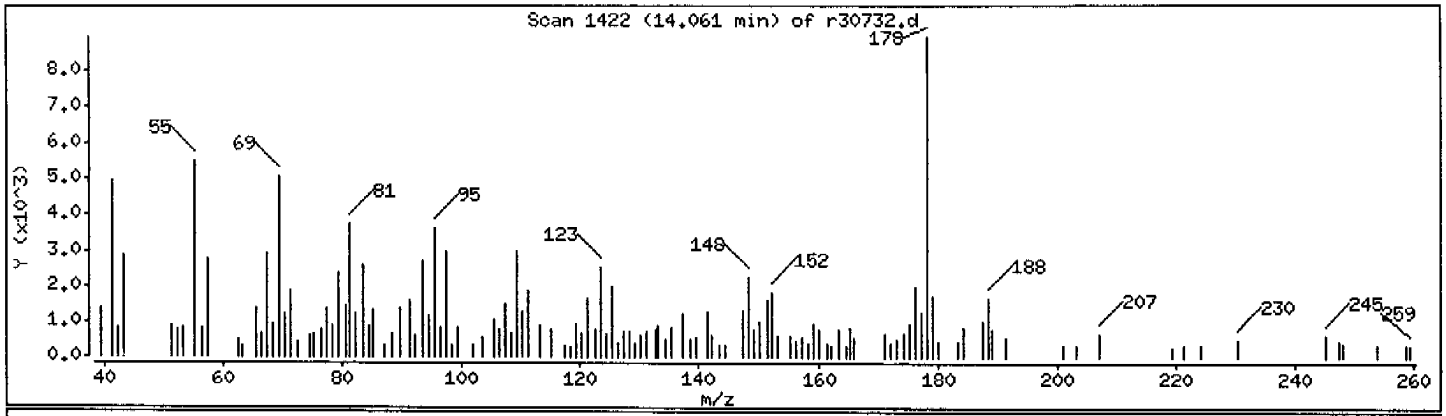
Client ID: B1406-SS01 Instrument: BNAMS1.i

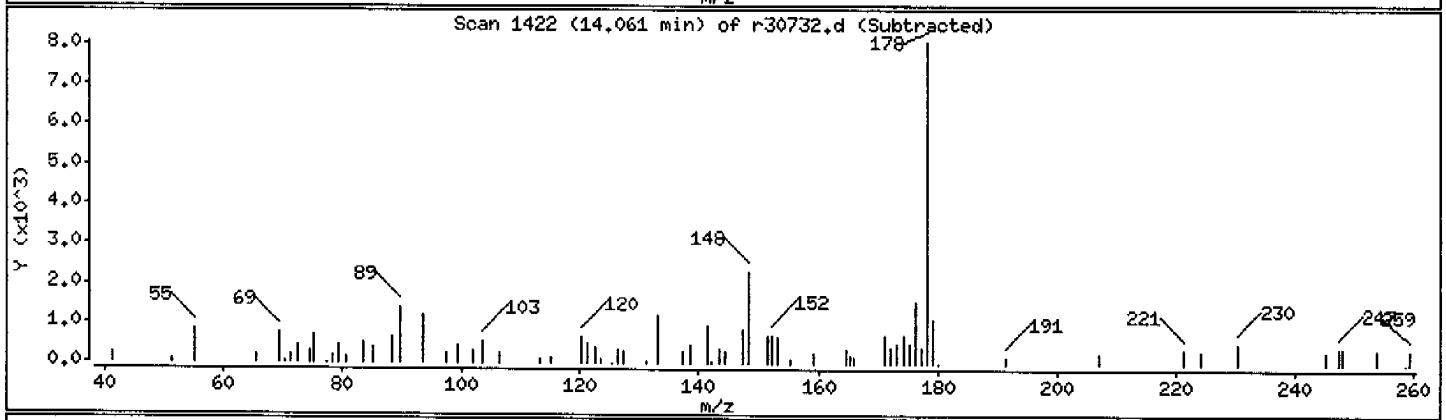
Sample Info: 775288;3281176

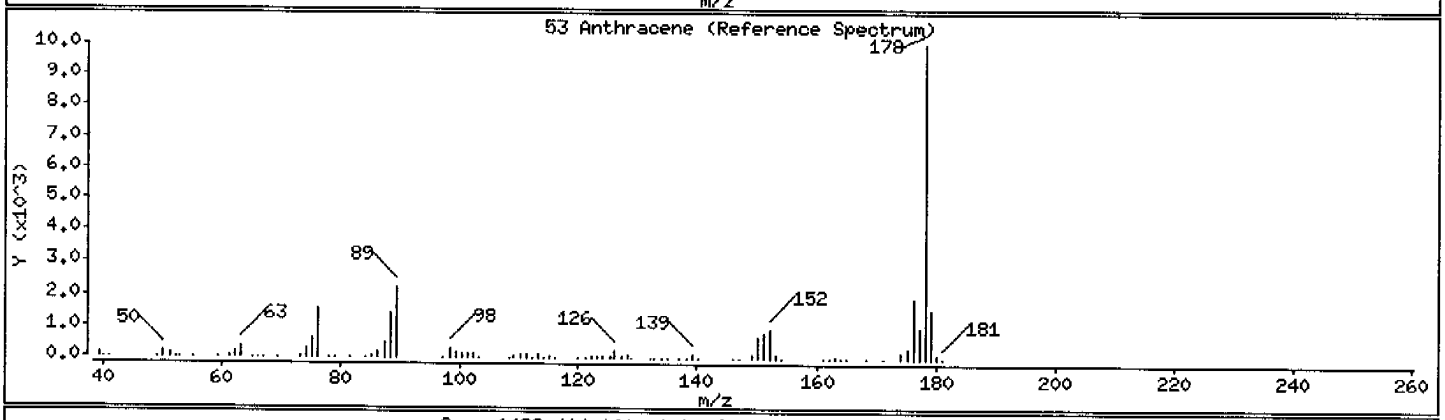
Operator: BNAMS 4

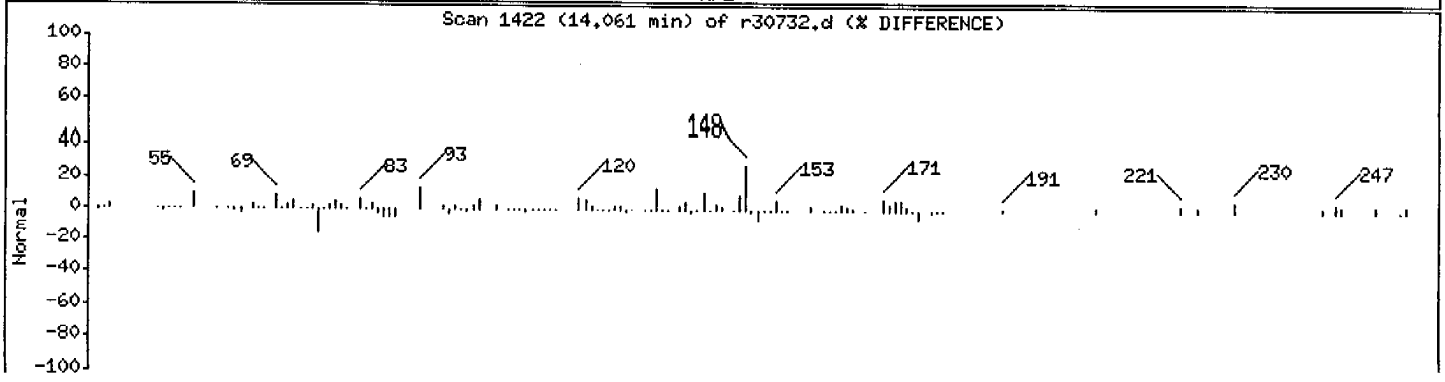
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 24 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

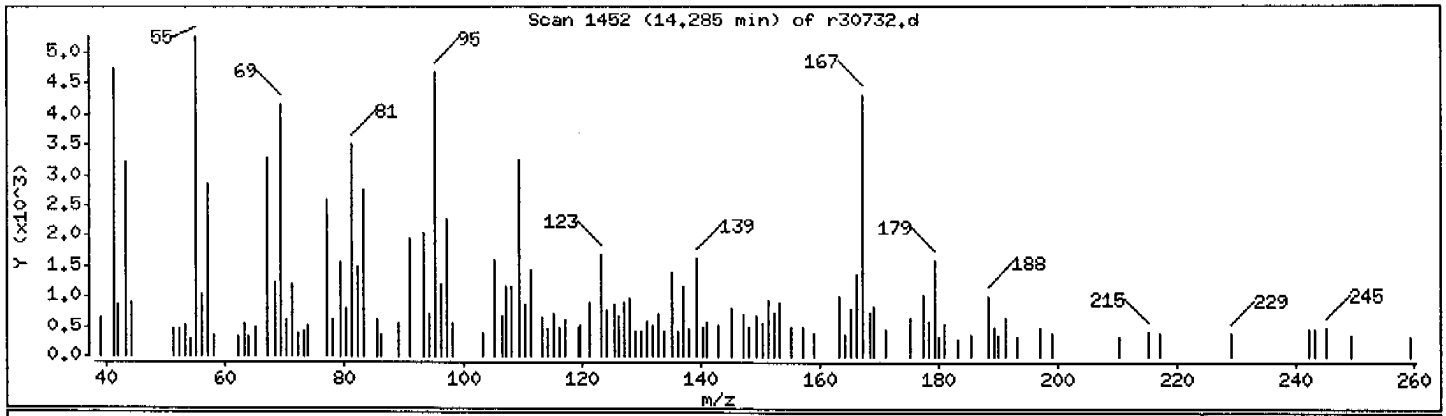
Client ID: B1406-SS01 Instrument: BNAMS1.i

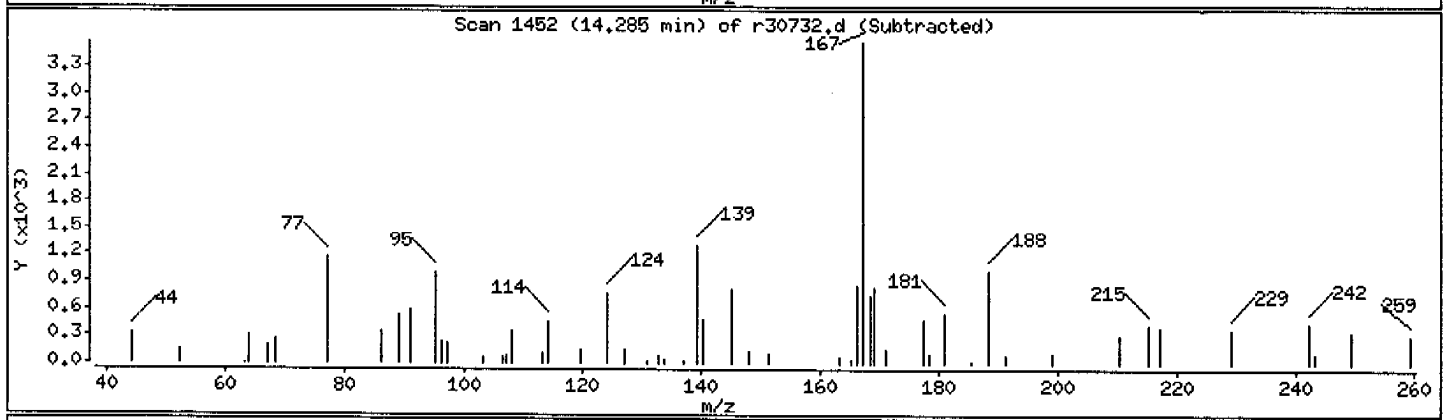
Sample Info: 775288;3281176

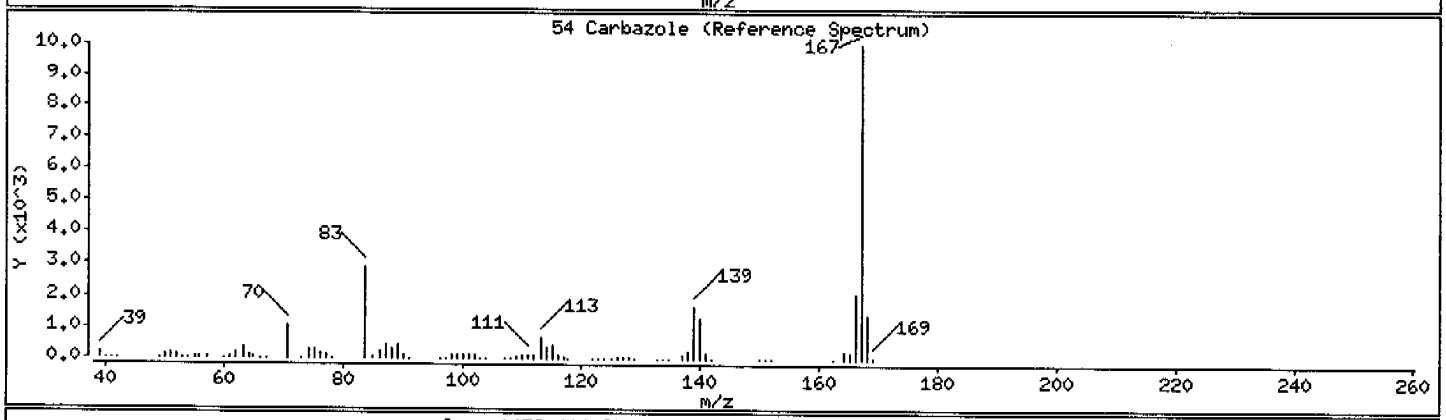
Operator: BNAMS 4

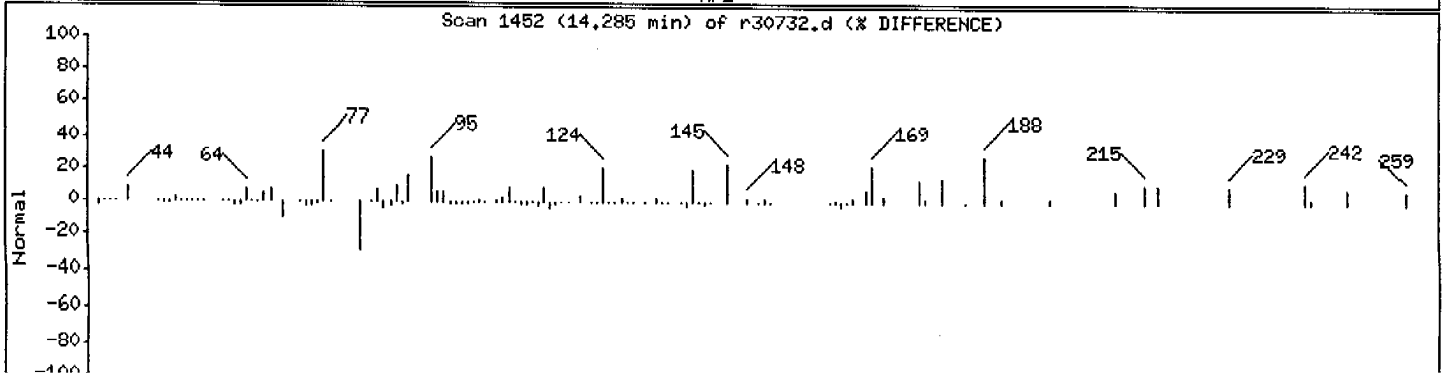
Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 12 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

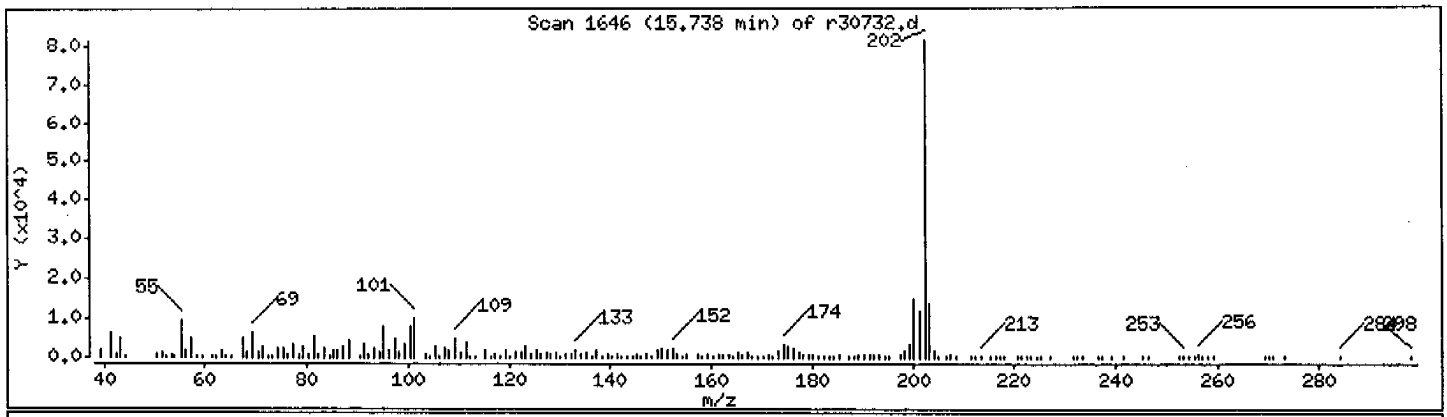
Client ID: B1406-SS01 Instrument: BNAMS1.i

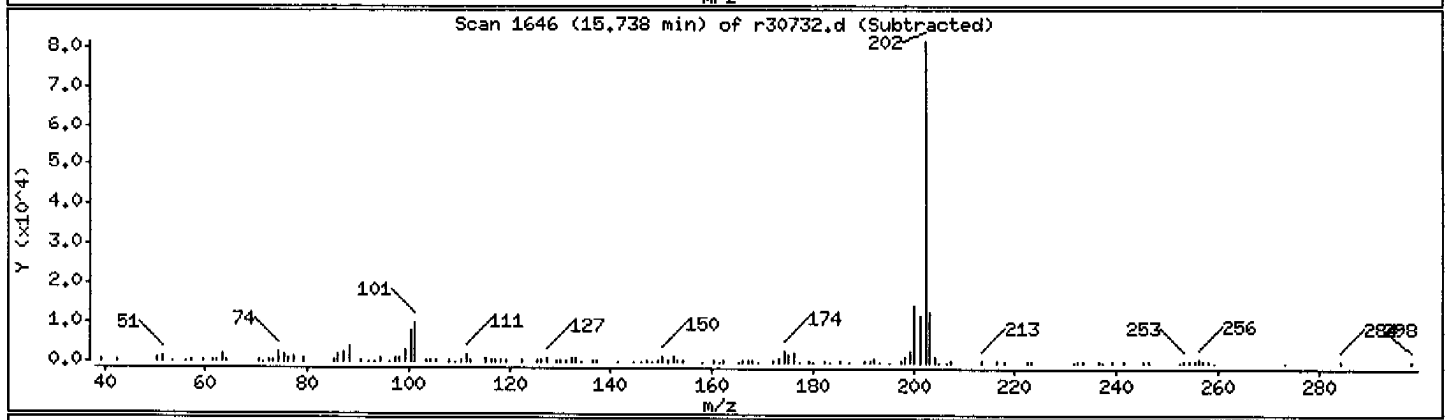
Sample Info: 775288;3281176

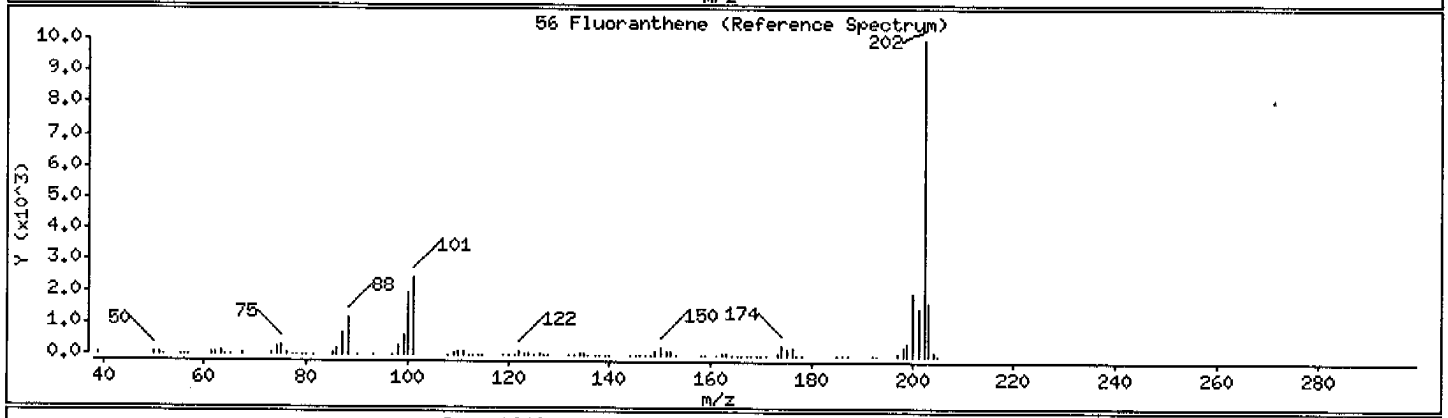
Operator: BNAMS 4

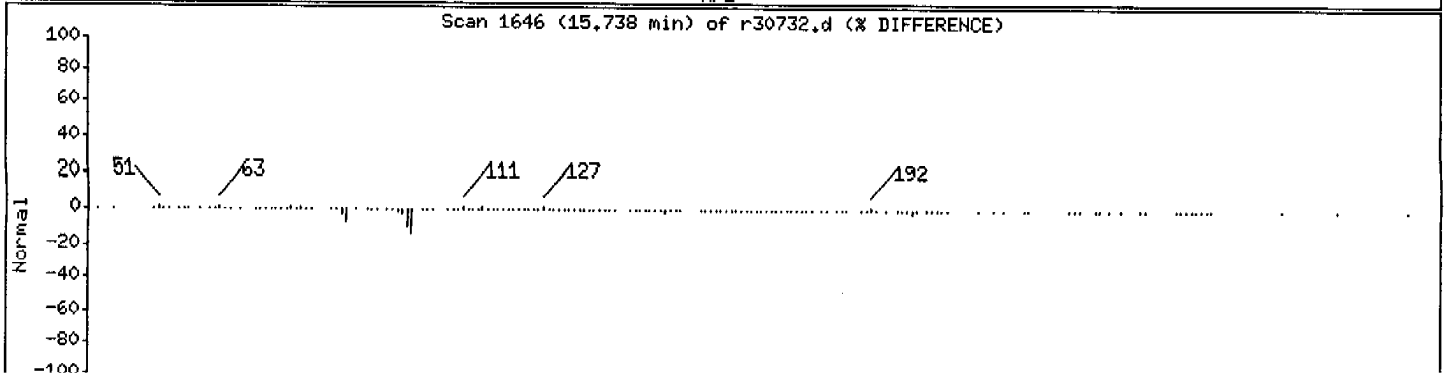
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 180 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

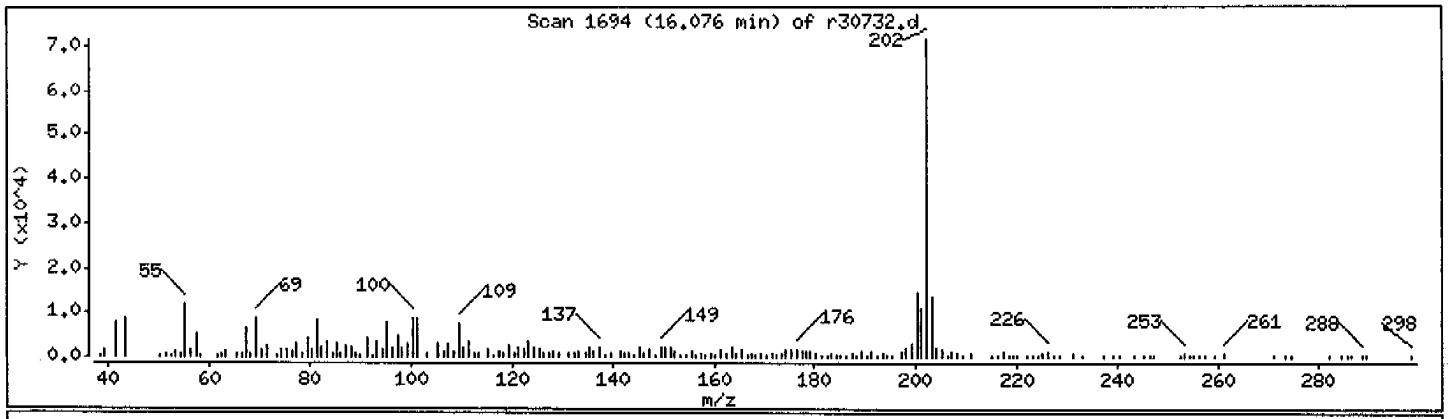
Client ID: B1406-SS01 Instrument: BNAMS1.i

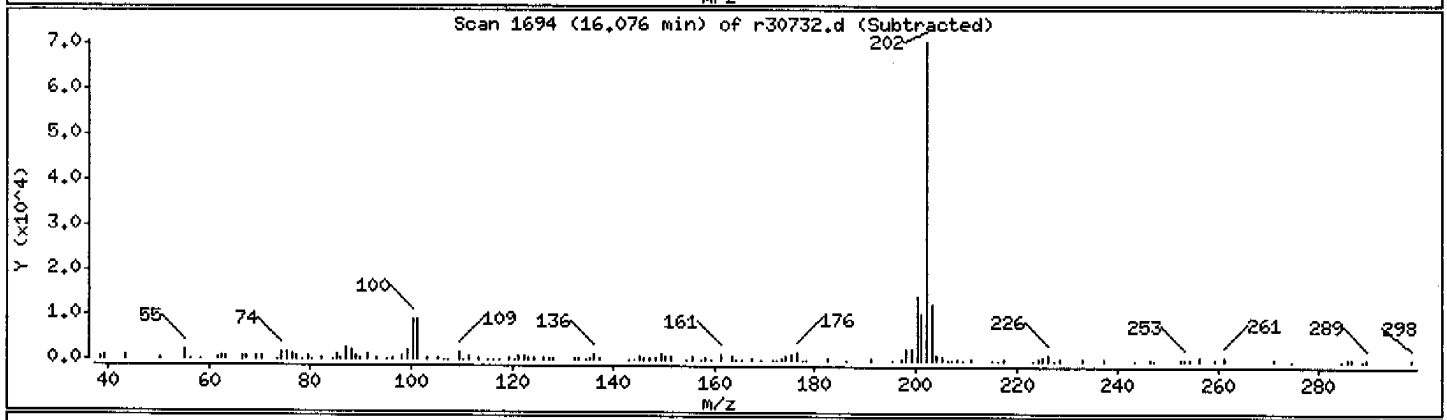
Sample Info: 775288;3281176

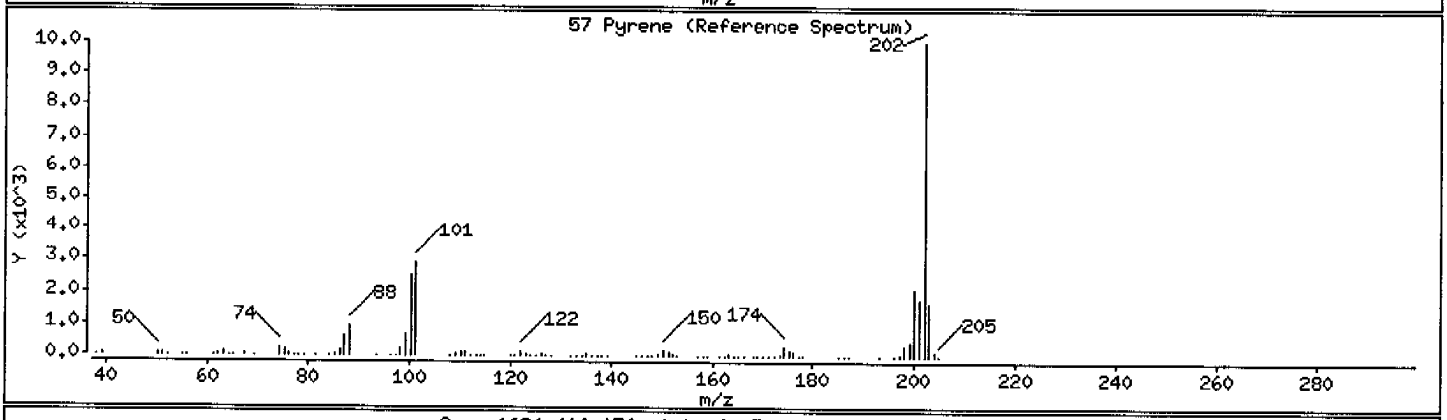
Operator: BNAMS 4

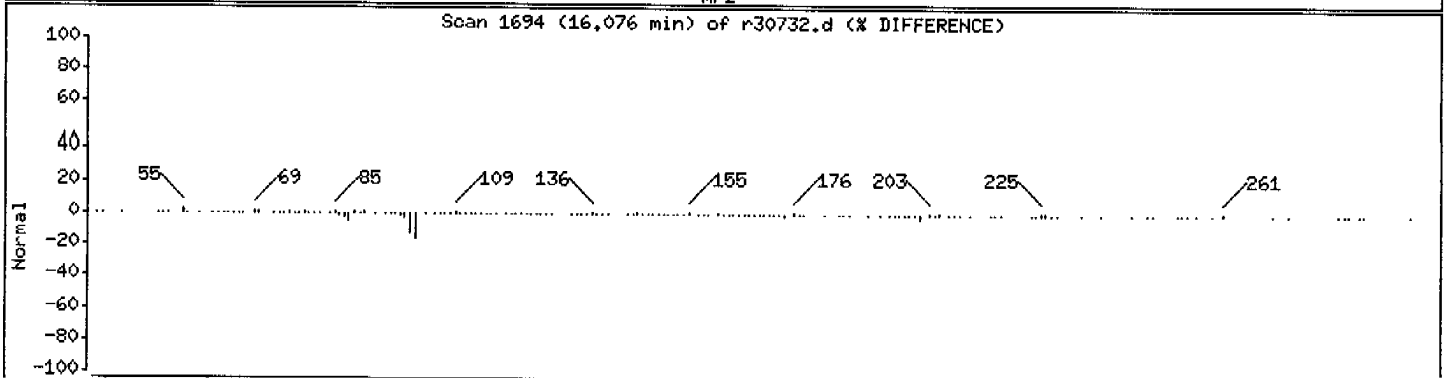
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 240 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

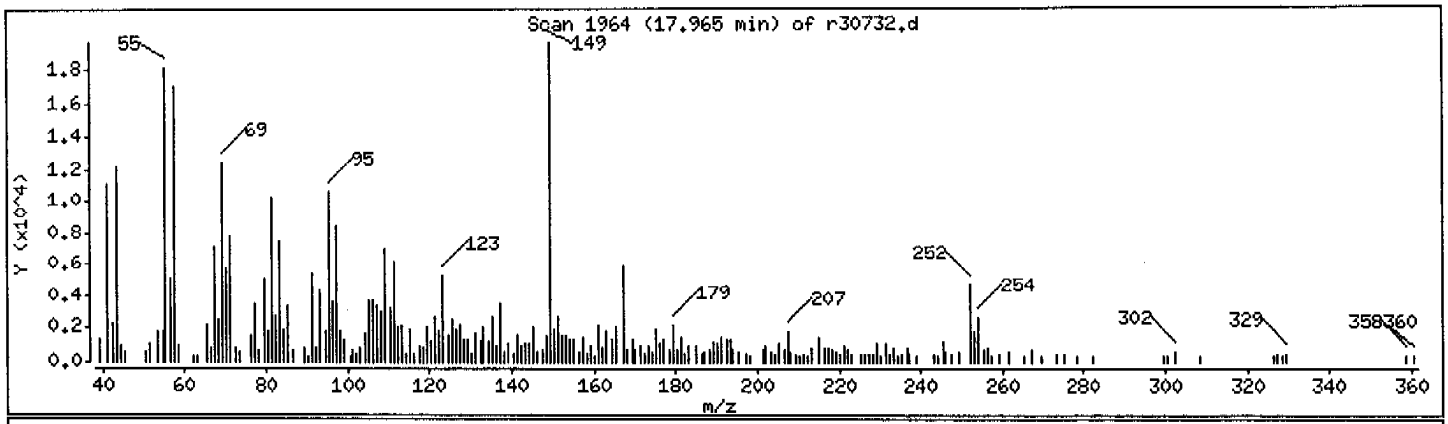
Client ID: B1406-SS01 Instrument: BNAMS1.i

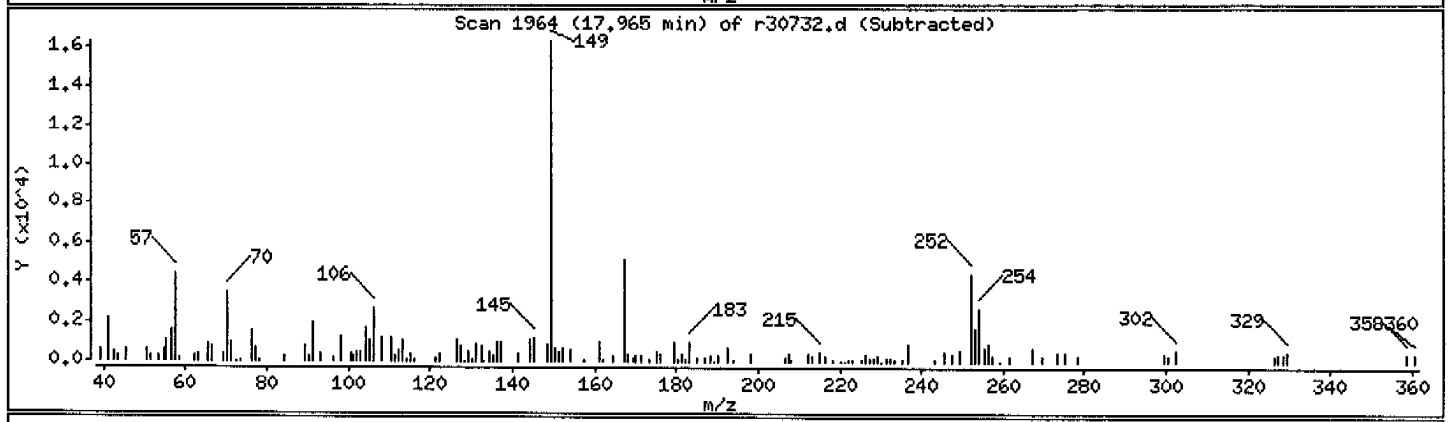
Sample Info: 775288;3281176

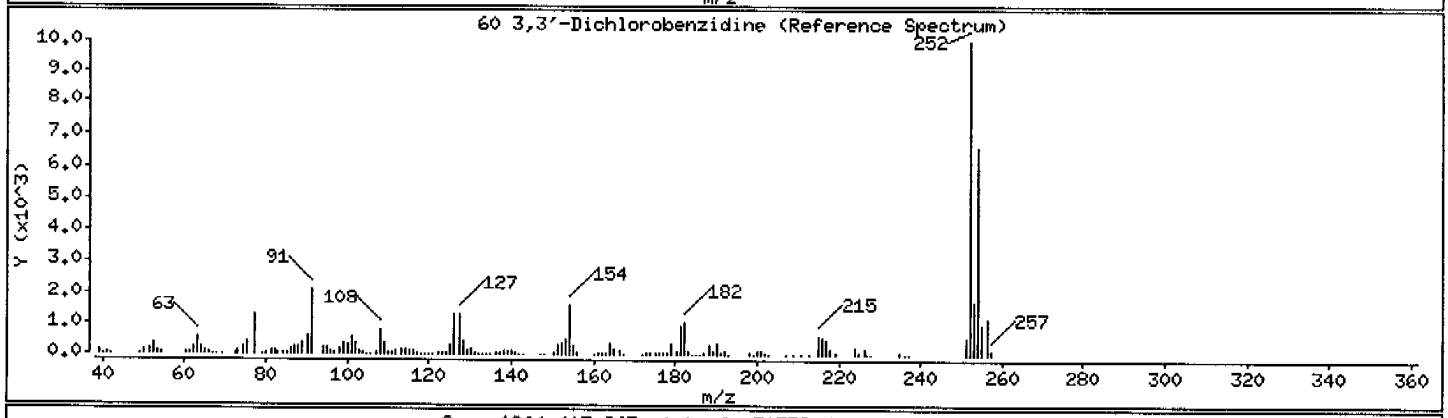
Operator: BNAMS 4

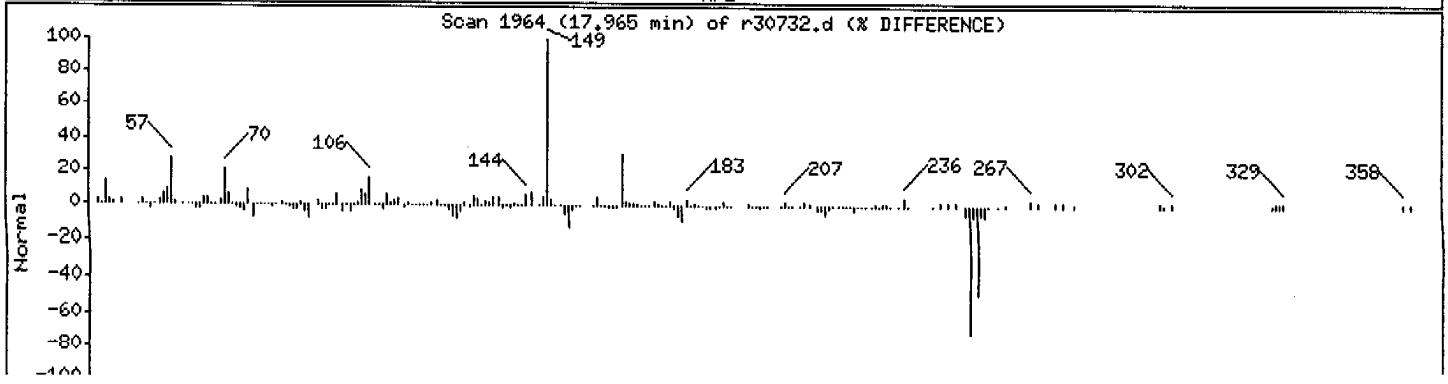
Column phase: DB-5 Column diameter: 0.25

60 3,3'-Dichlorobenzidine Concentration: 66 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

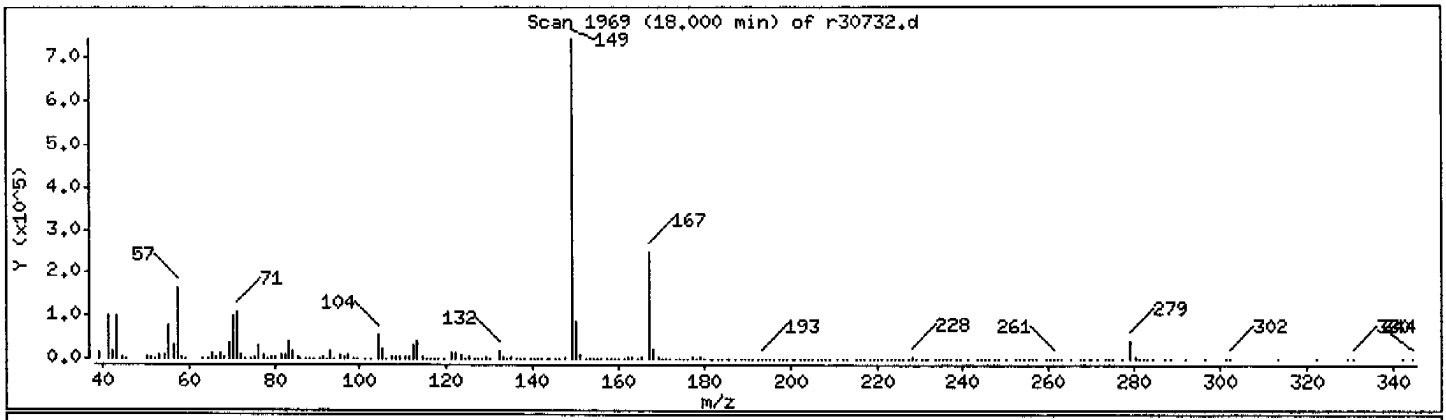
Client ID: B1406-SS01 Instrument: BNAMS1.i

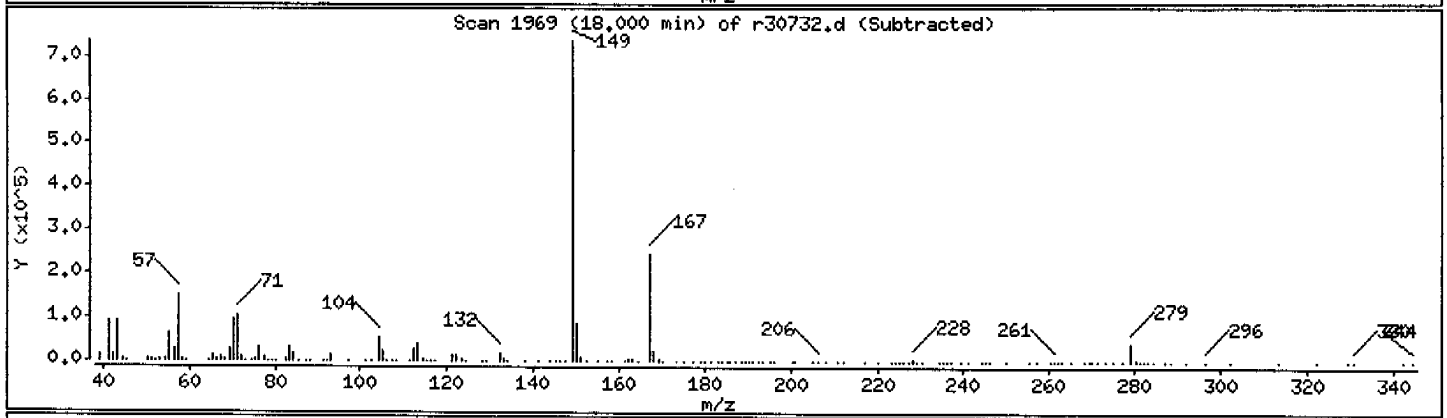
Sample Info: 775288;3281176

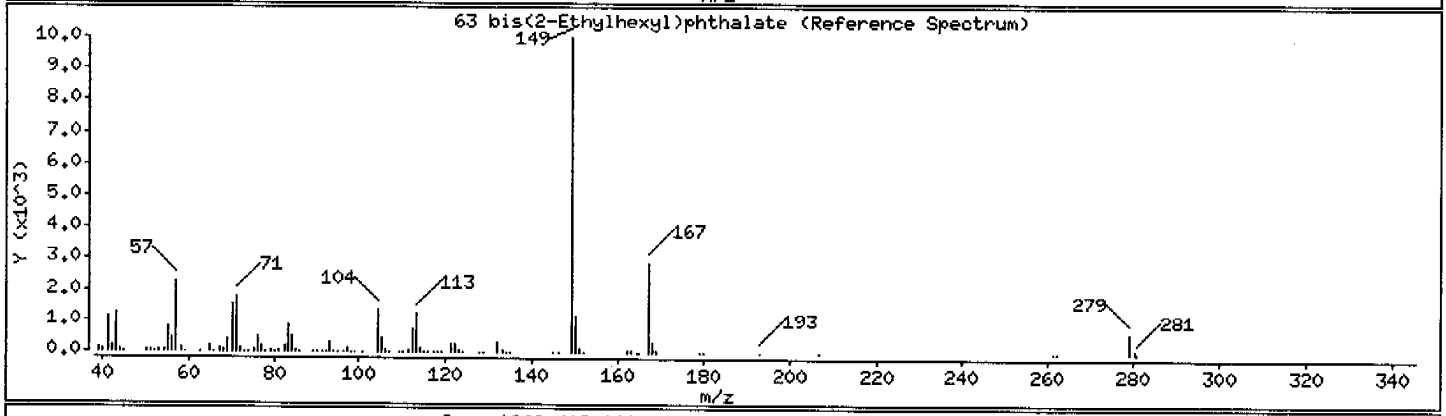
Operator: BNAMS 4

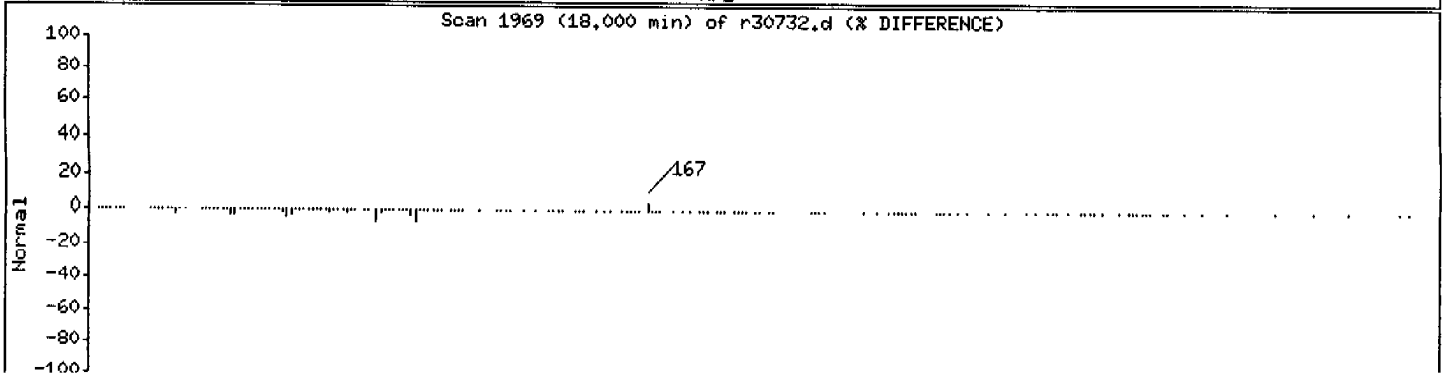
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 4700 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

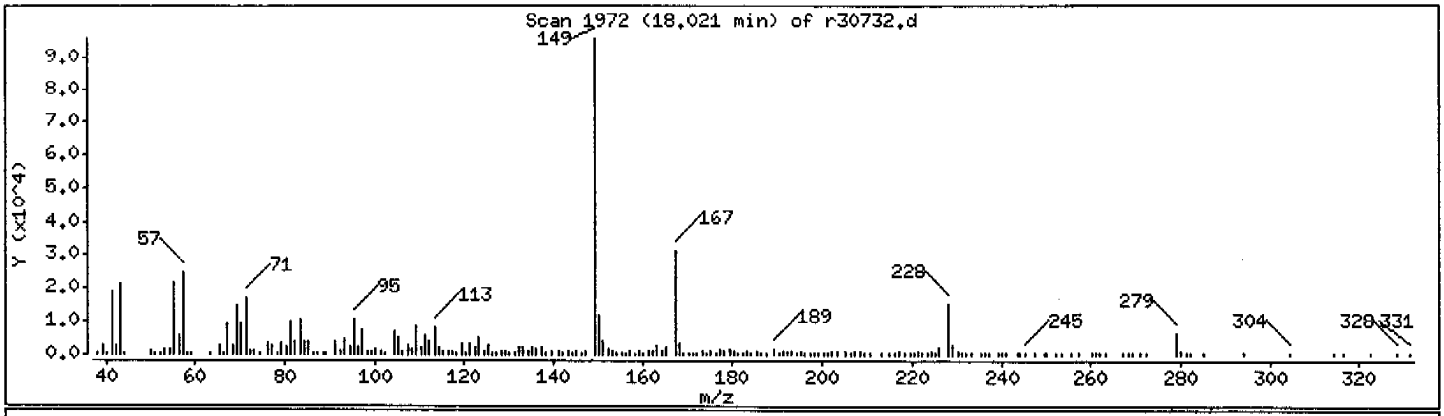
Client ID: B1406-SS01 Instrument: BNAMS1.i

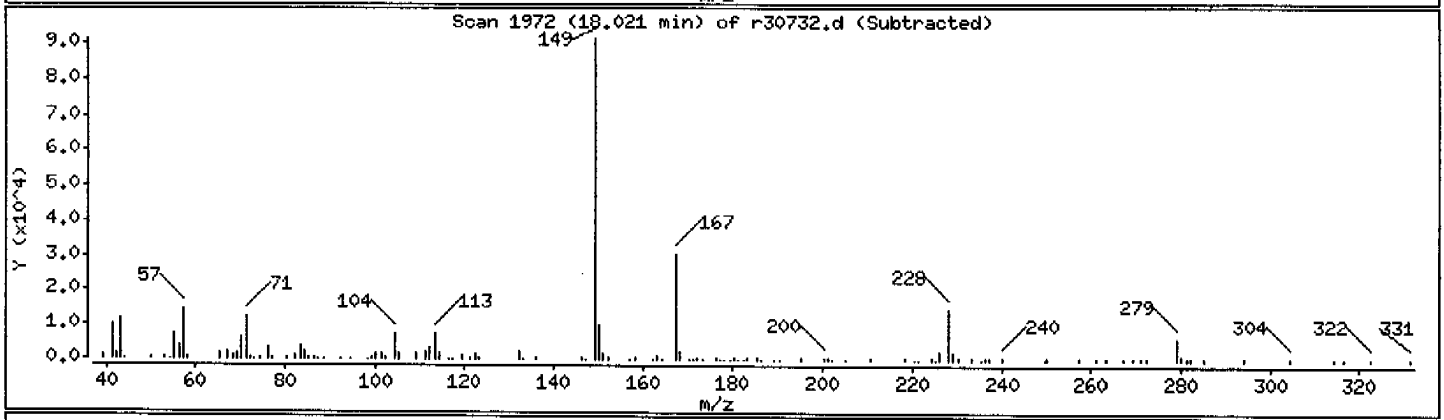
Sample Info: 775288;3281176

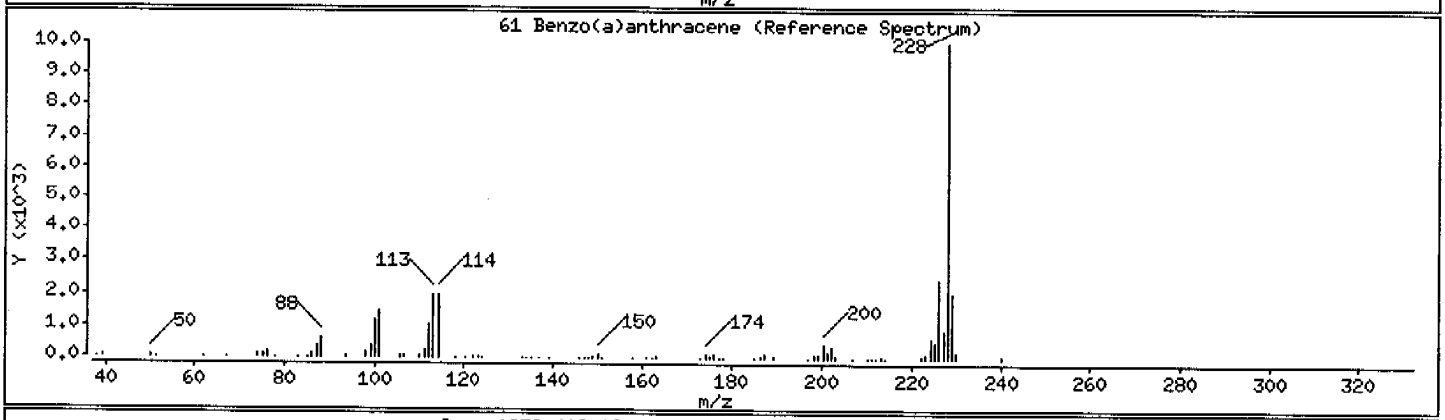
Operator: BNAMS 4

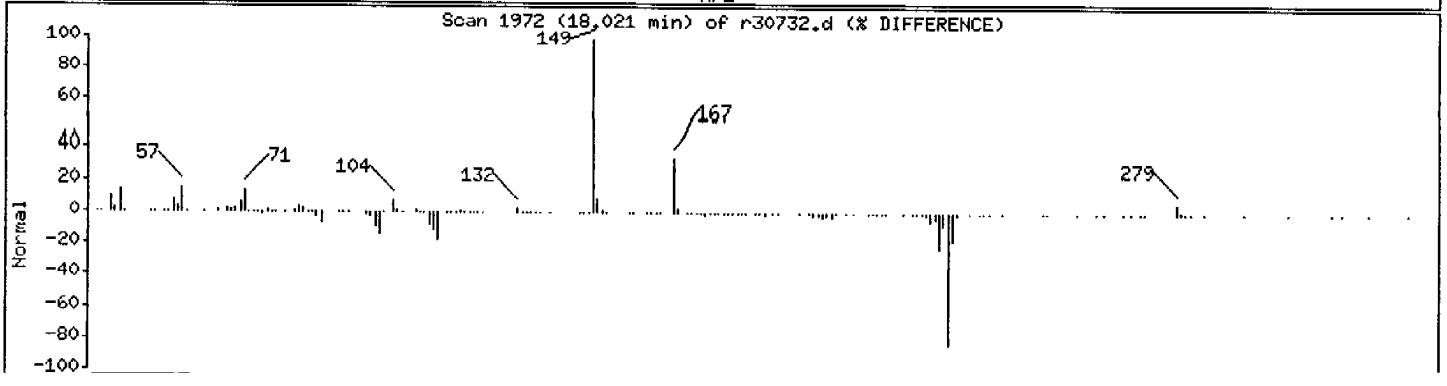
Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 110 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

Client ID: B1406-SS01

Instrument: BNAMS1.i

Sample Info: 775288;3281176

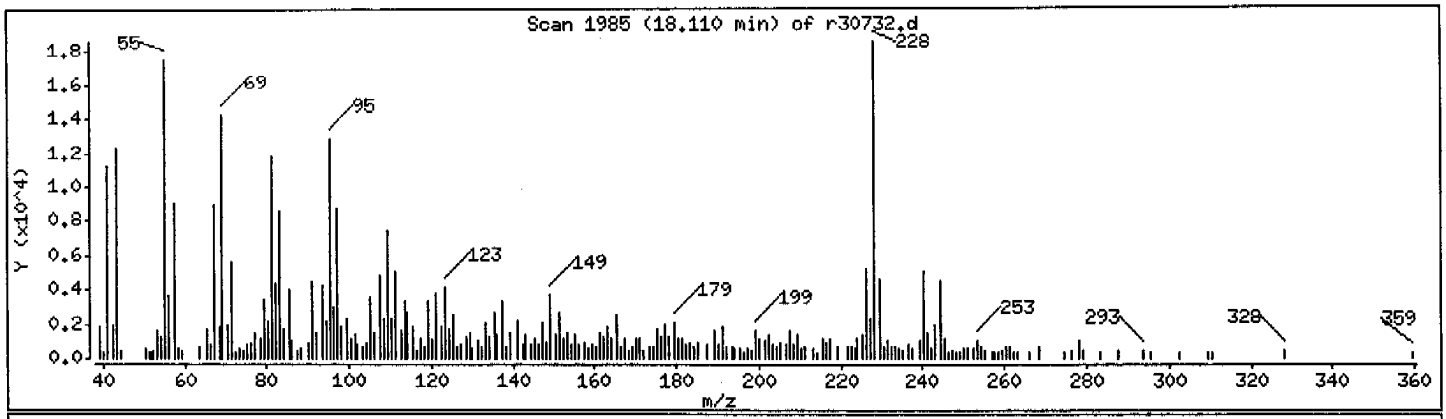
Operator: BNAMS 4

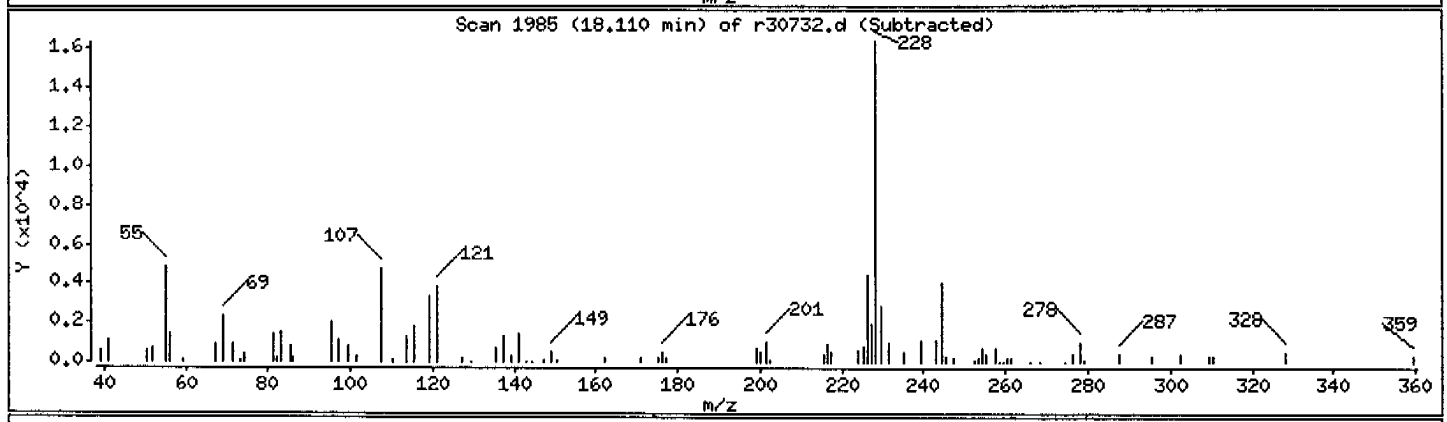
Column phase: DB-5

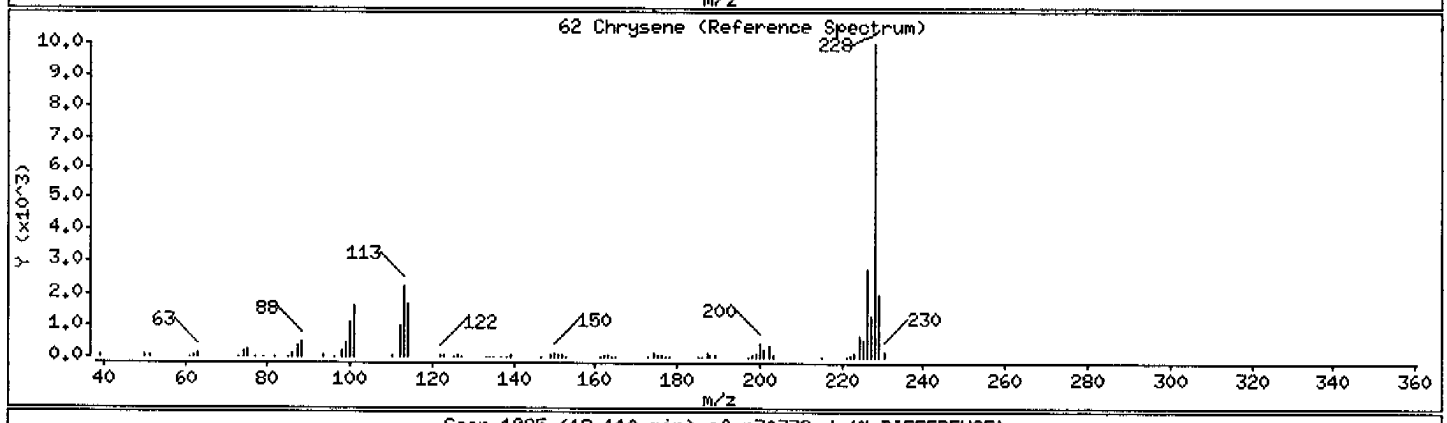
Column diameter: 0.25

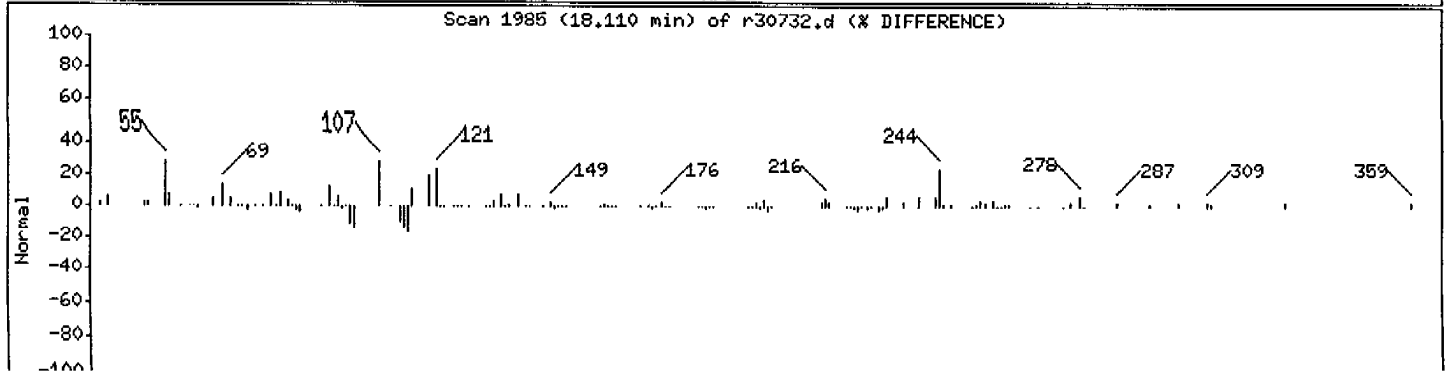
62 Chrysene

Concentration: 130 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

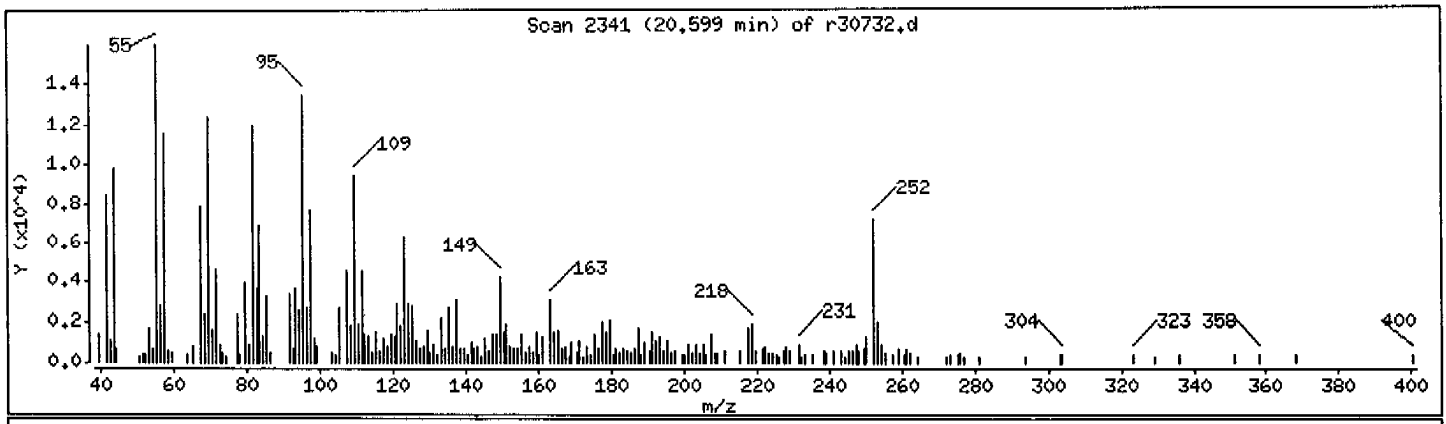
Client ID: B1406-SS01 Instrument: BNAMS1.i

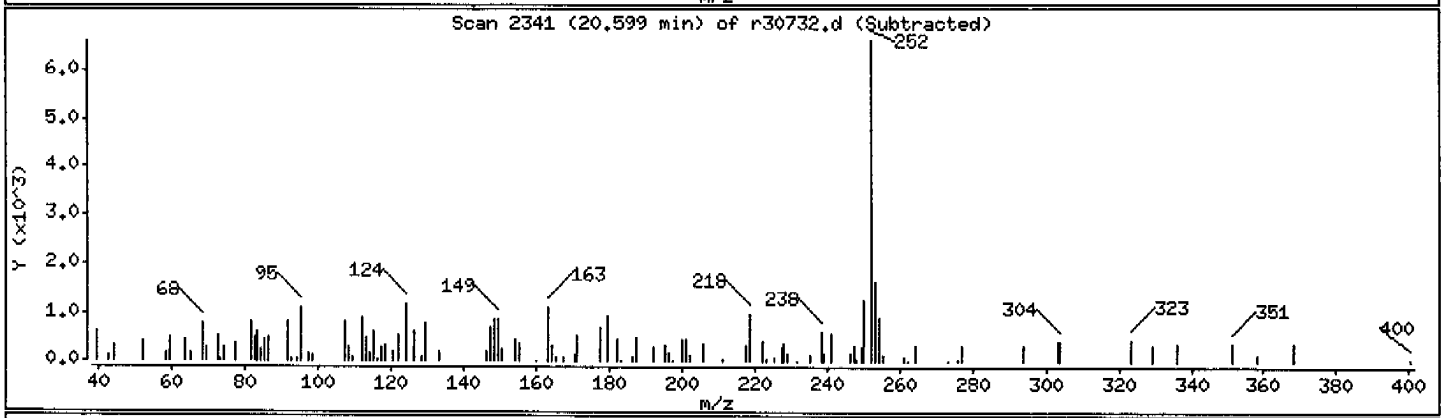
Sample Info: 775288;3281176

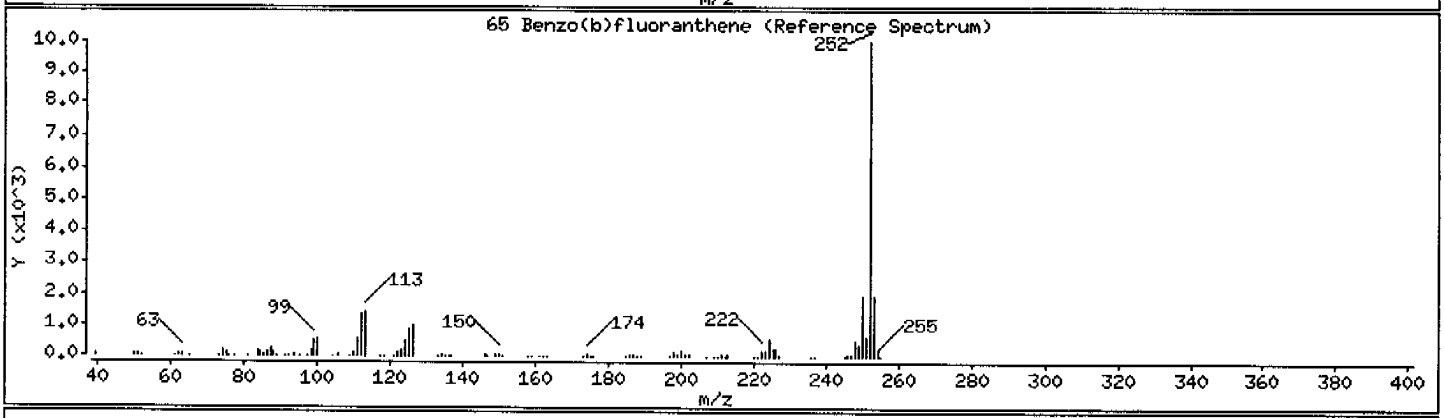
Operator: BNAMS 4

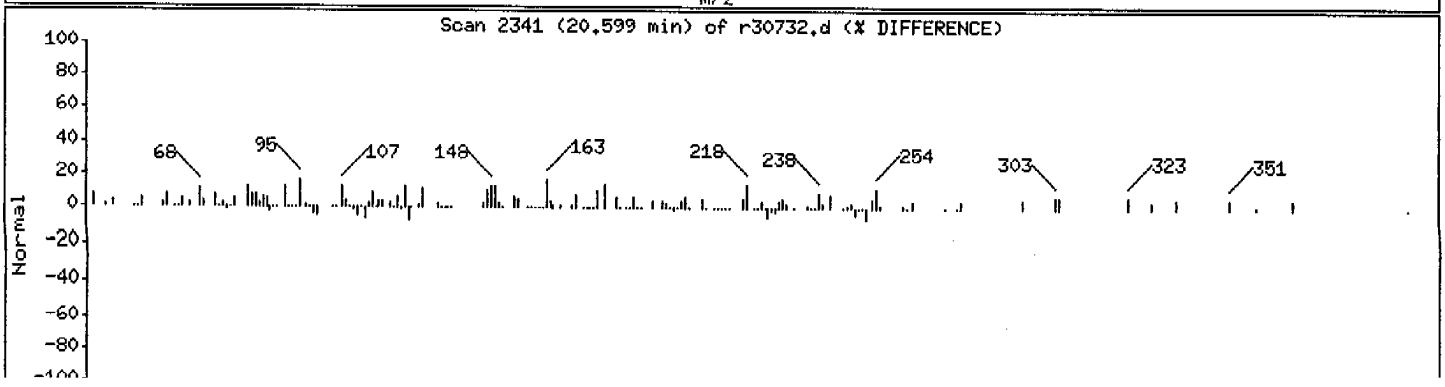
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 150 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

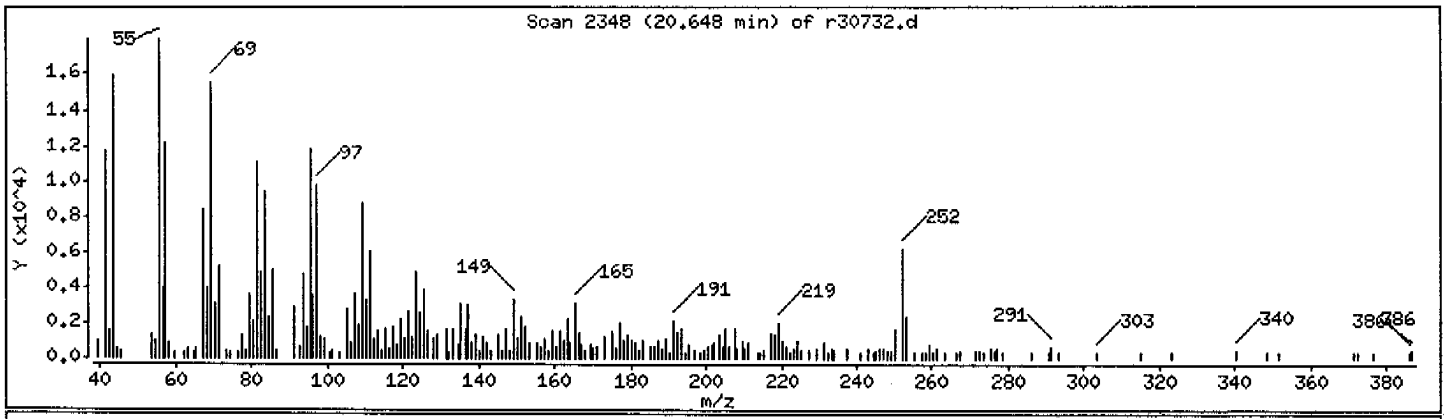
Client ID: B1406-SS01 Instrument: BNAMS1.i

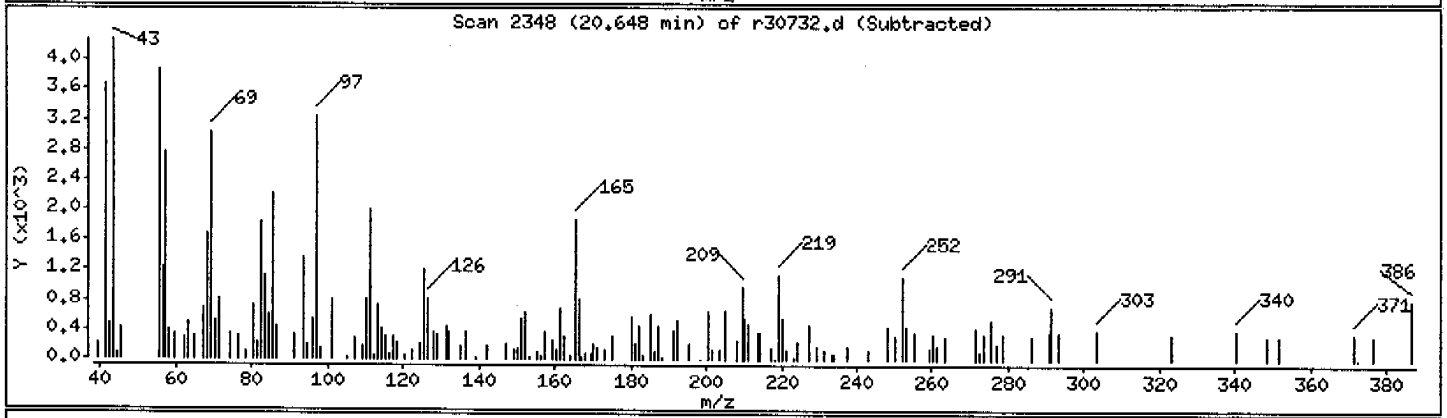
Sample Info: 775288;3281176

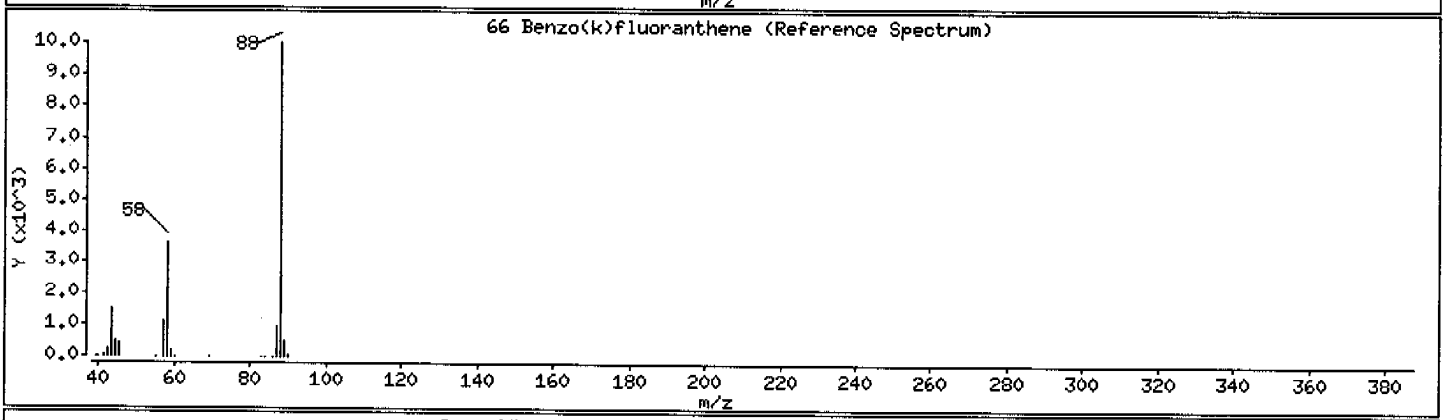
Operator: BNAMS 4

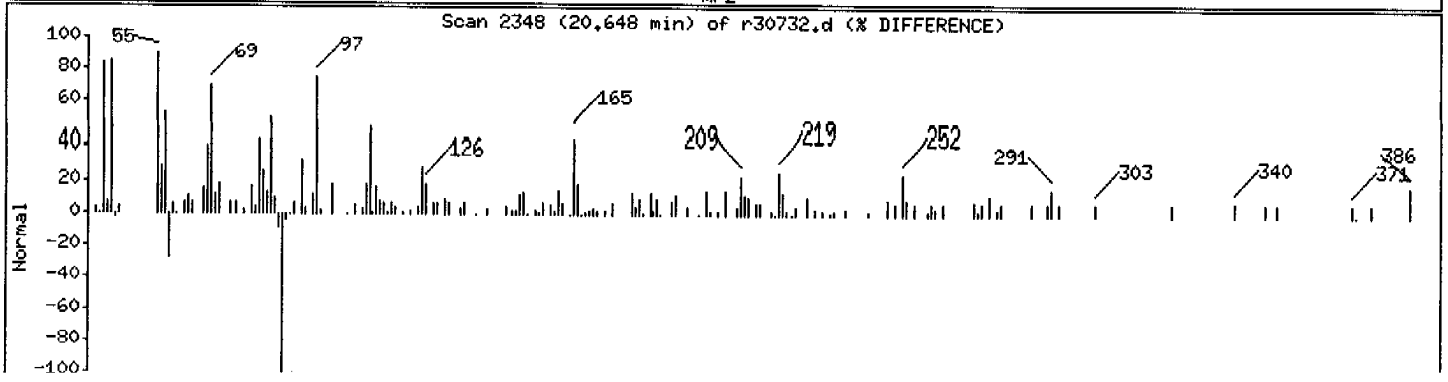
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 160 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

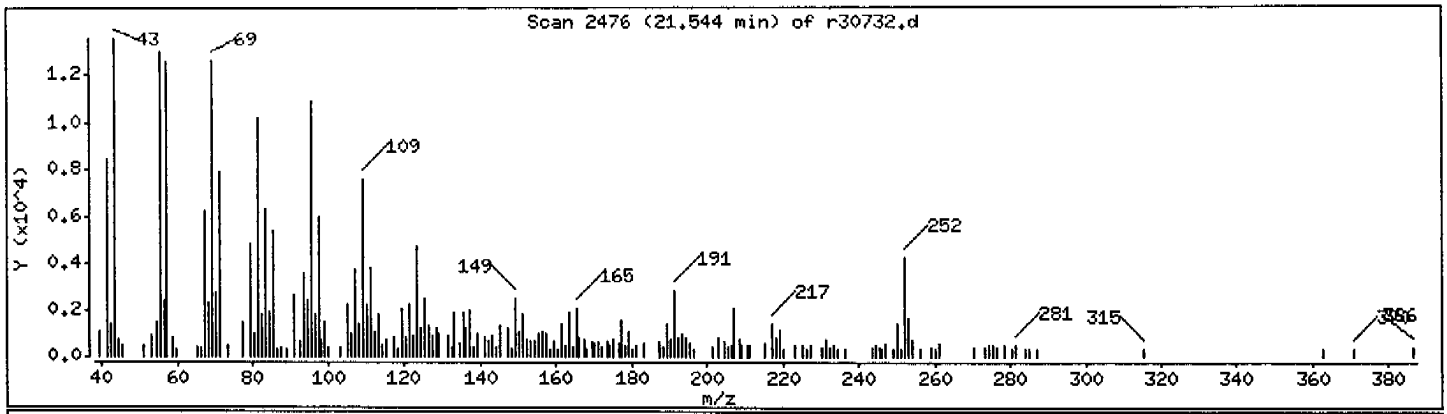
Client ID: B1406-SS01 Instrument: BNAMS1.i

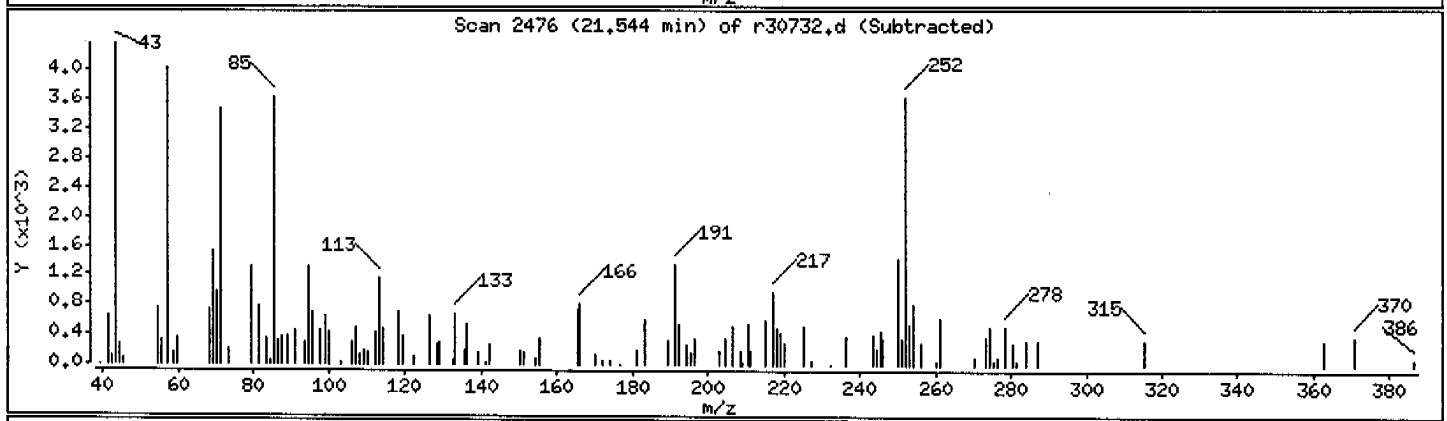
Sample Info: 775288;3281176

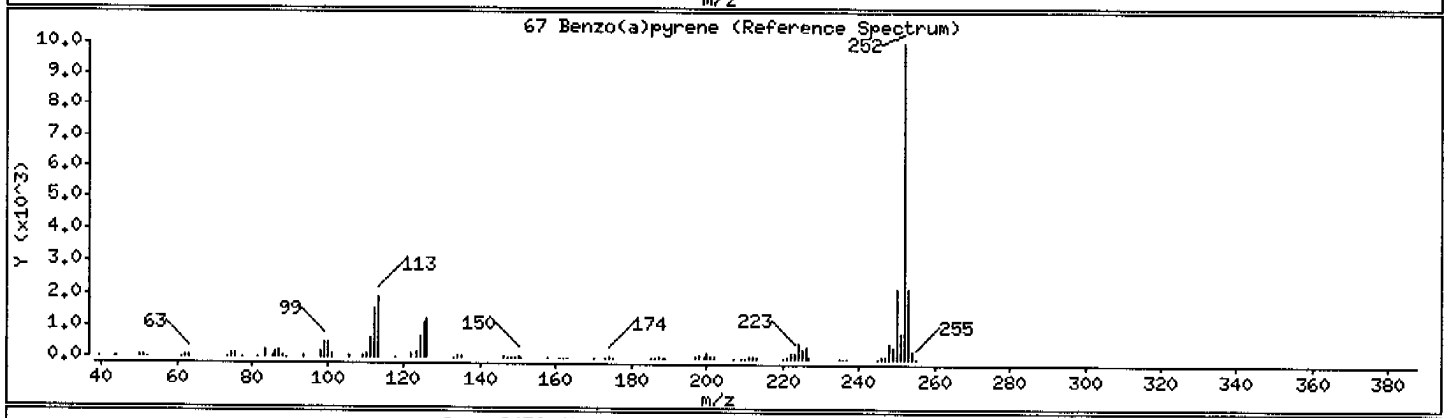
Operator: BNAMS 4

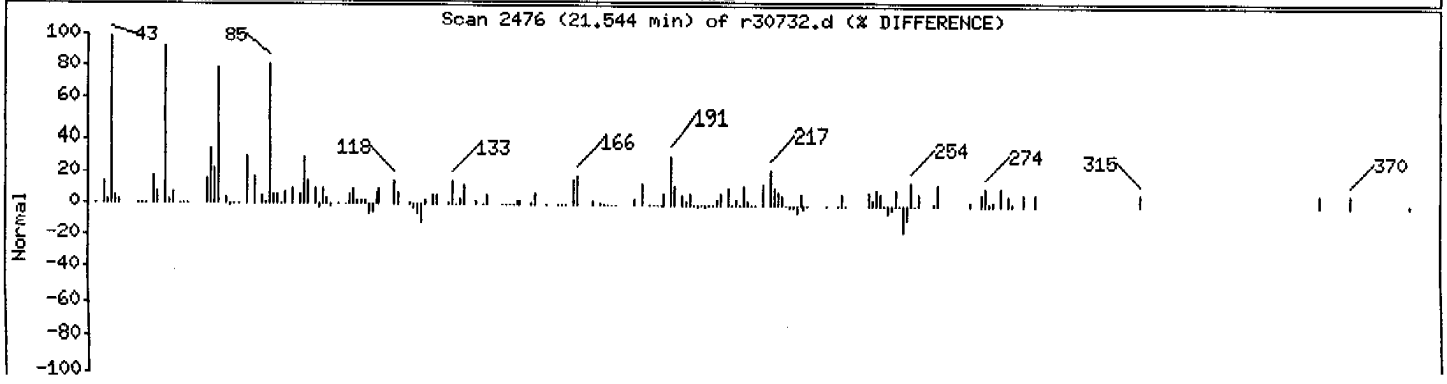
Column phase: DB-5 Column diameter: 0.25

67 Benzo(a)pyrene Concentration: 120 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

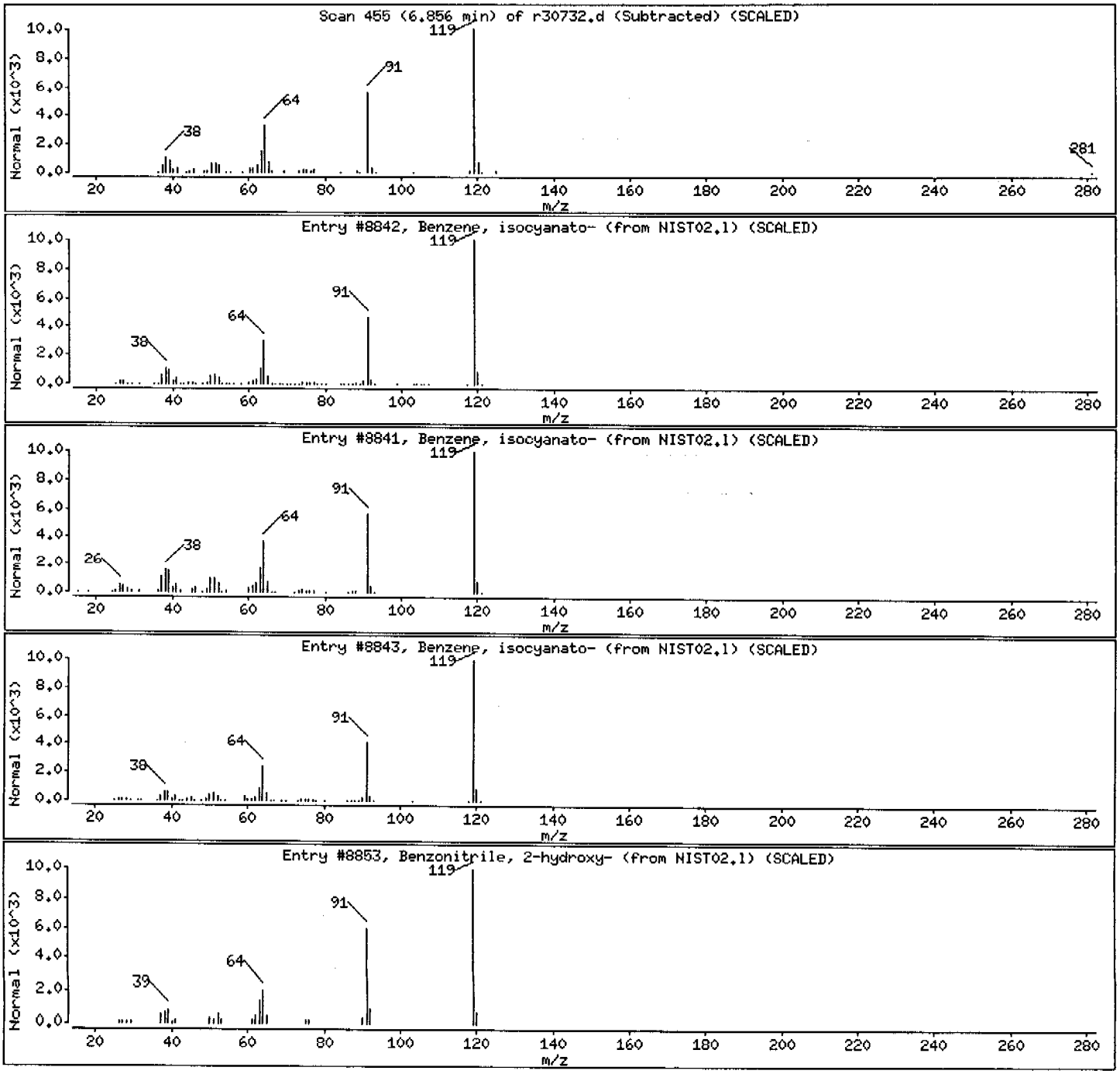
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, isocyanato-	103-71-9	NIST02.l	8842	95	C7H5NO	119
Benzene, isocyanato-	103-71-9	NIST02.l	8841	91	C7H5NO	119
Benzene, isocyanato-	103-71-9	NIST02.l	8843	91	C7H5NO	119
Benzonitrile, 2-hydroxy-	611-20-1	NIST02.l	8853	90	C7H5NO	119



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

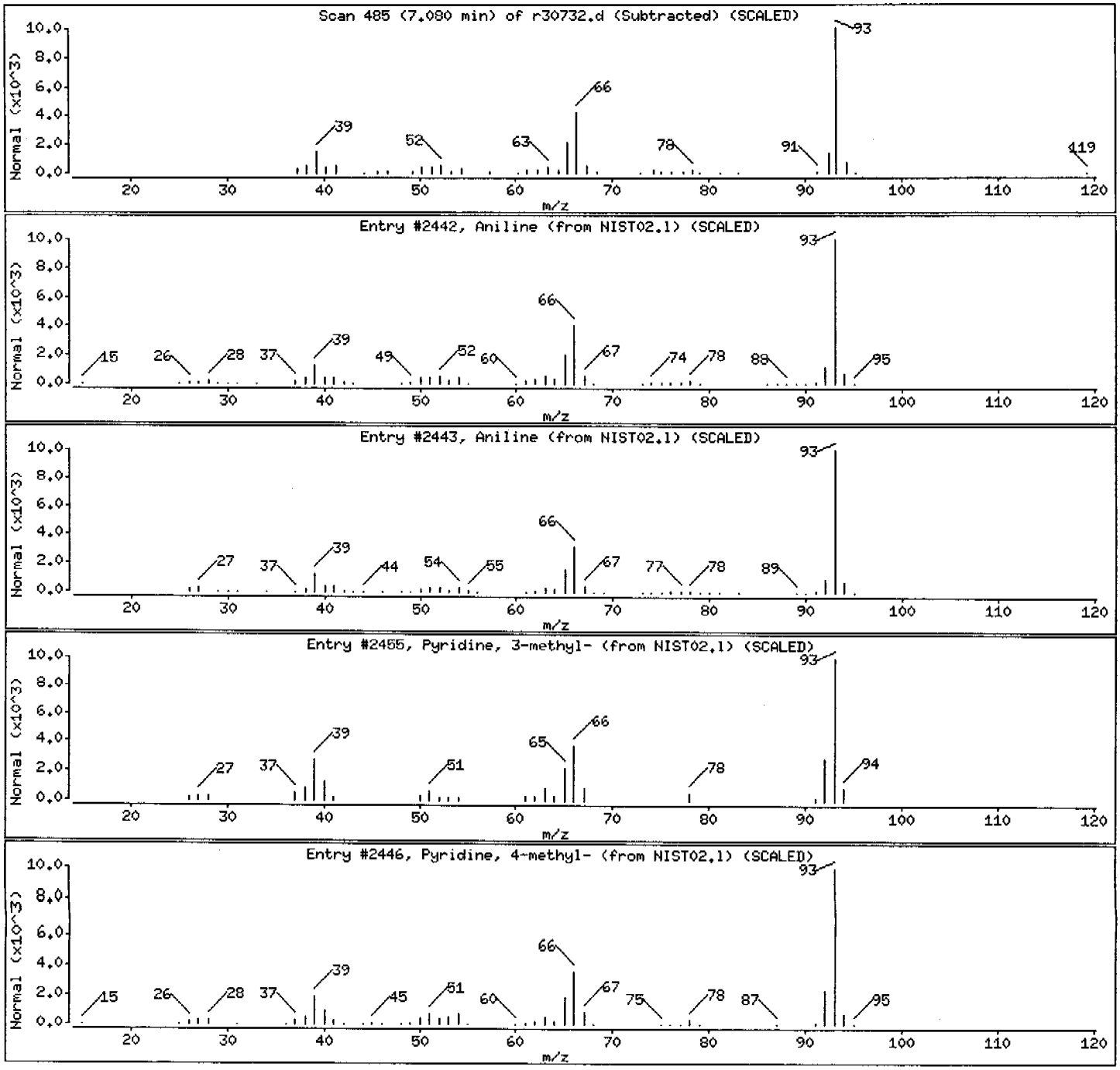
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Aniline	62-53-3	NIST02.1	2442	95	C6H7N	93
Aniline	62-53-3	NIST02.1	2443	91	C6H7N	93
Pyridine, 3-methyl-	108-99-6	NIST02.1	2455	86	C6H7N	93
Pyridine, 4-methyl-	108-89-4	NIST02.1	2446	86	C6H7N	93



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

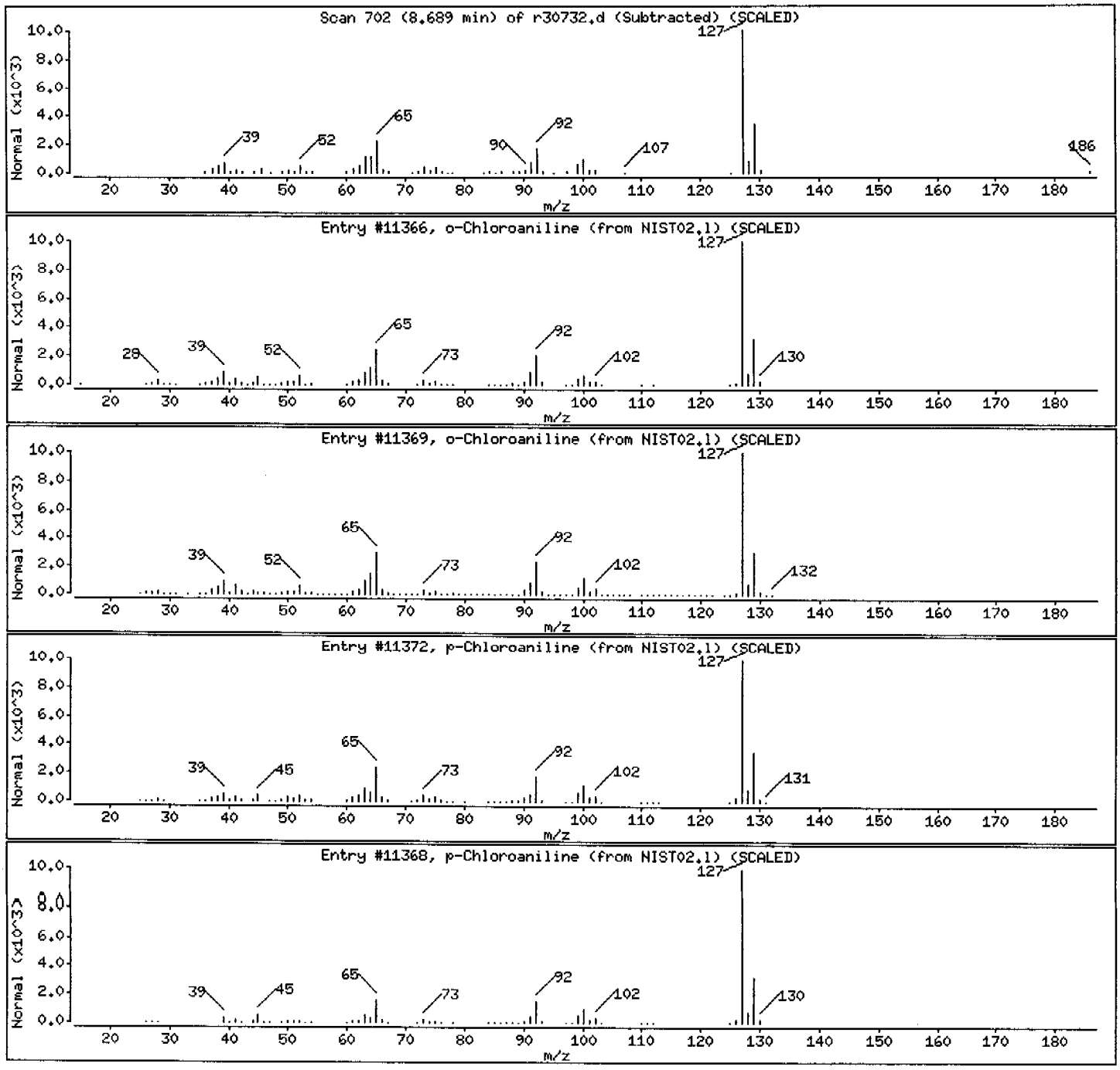
Date : 09-OCT-2006 16:16

Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
o-Chloroaniline	95-51-2	NIST02.l	11366	97	C6H6ClN	127
o-Chloroaniline	95-51-2	NIST02.l	11369	95	C6H6ClN	127
p-Chloroaniline	106-47-8	NIST02.l	11372	94	C6H6ClN	127
p-Chloroaniline	106-47-8	NIST02.l	11368	93	C6H6ClN	127



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

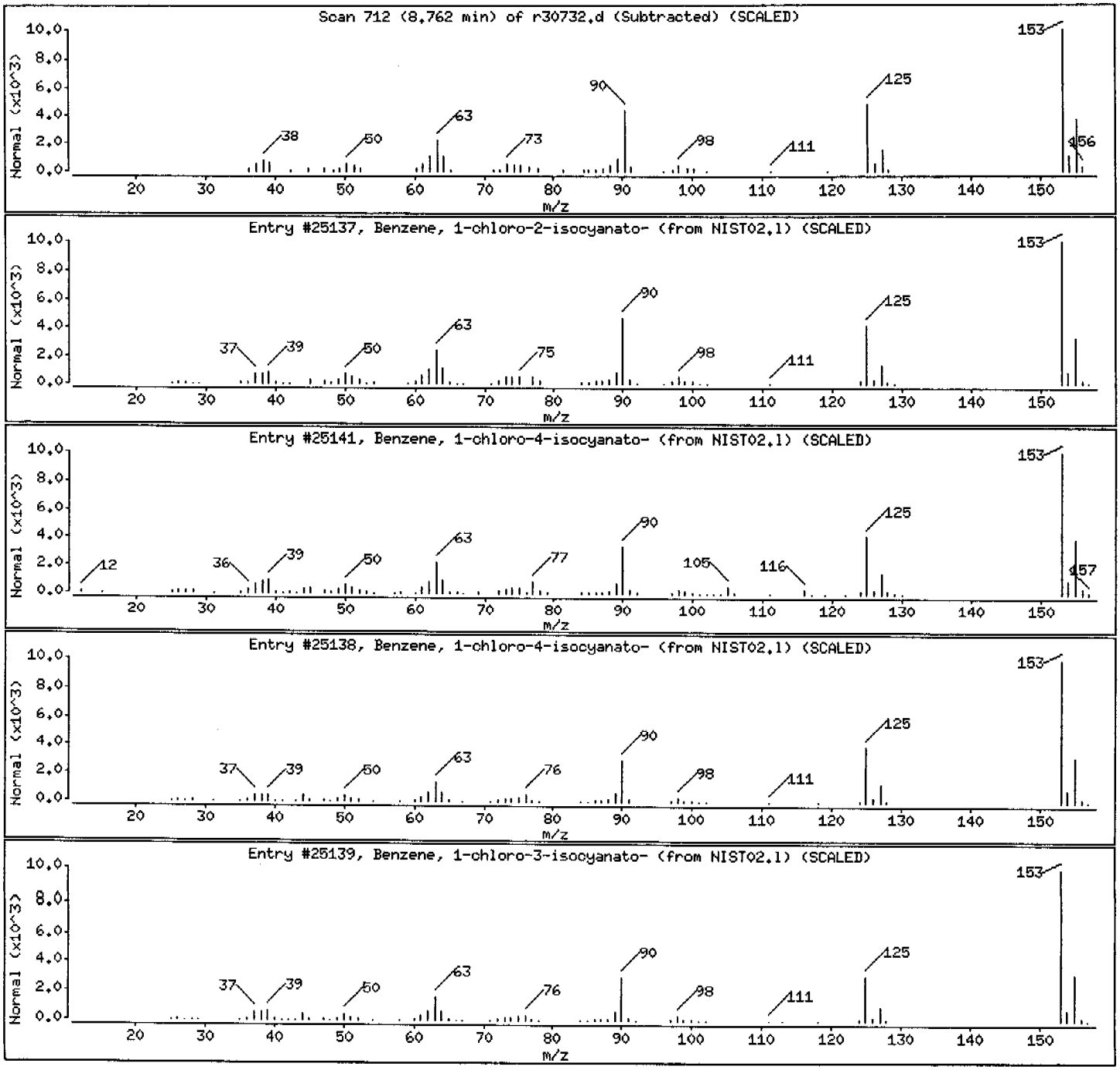
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-chloro-2-isocyanato-	3320-83-0	NIST02.l	25137	97	C7H4ClNO	153
Benzene, 1-chloro-4-isocyanato-	104-12-1	NIST02.l	25141	96	C7H4ClNO	153
Benzene, 1-chloro-4-isocyanato-	104-12-1	NIST02.l	25138	94	C7H4ClNO	153
Benzene, 1-chloro-3-isocyanato-	2909-38-8	NIST02.l	25139	94	C7H4ClNO	153



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

Date : 09-OCT-2006 16:16

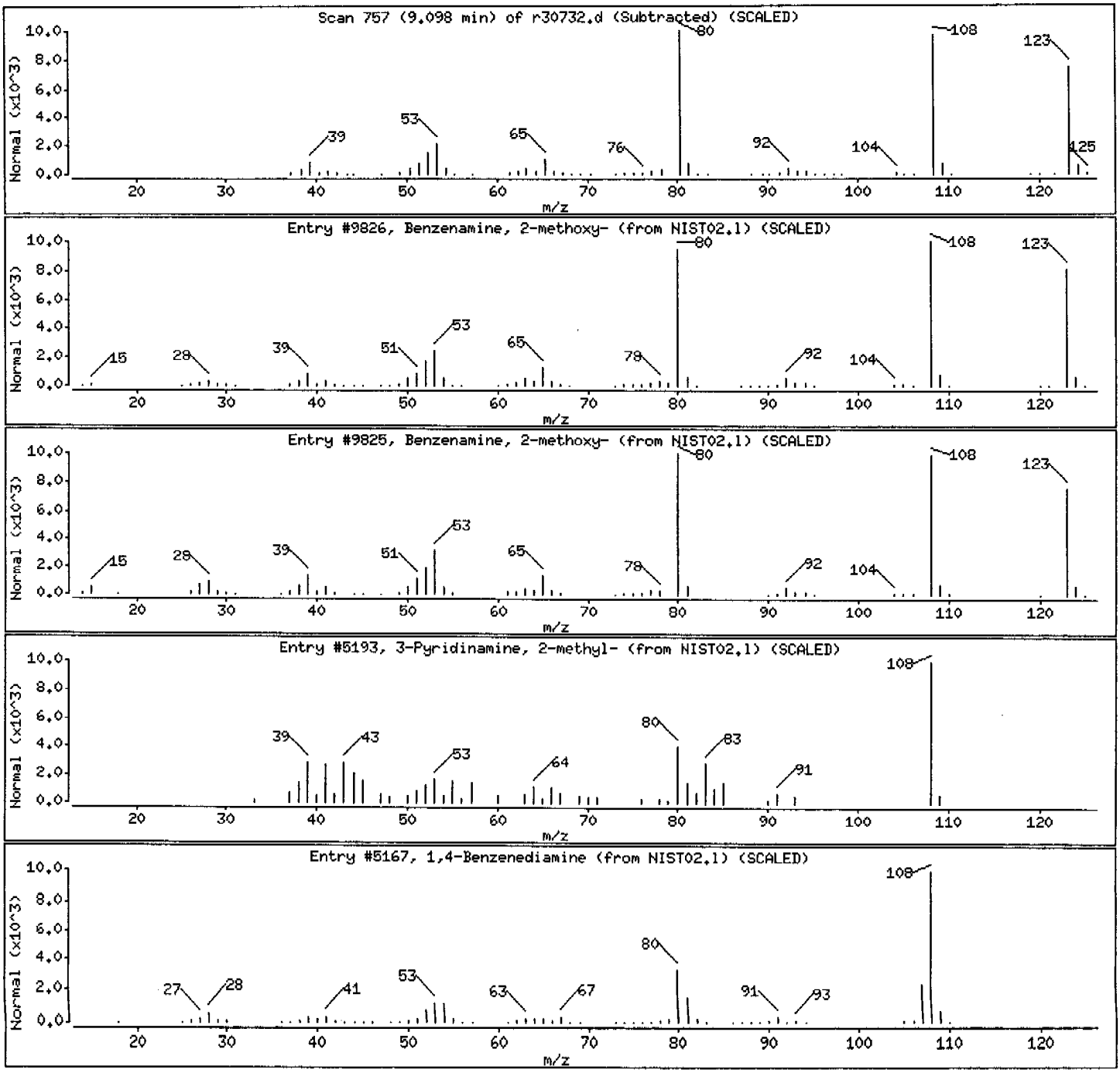
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzenamine, 2-methoxy-	90-04-0	NIST02.1	9826	97	C7H9NO	123
Benzenamine, 2-methoxy-	90-04-0	NIST02.1	9825	95	C7H9NO	123
3-Pyridinamine, 2-methyl-	3430-10-2	NIST02.1	5193	72	C6H8N2	108
1,4-Benzenediamine	106-50-3	NIST02.1	5167	64	C6H8N2	108



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Date : 09-OCT-2006 16:16

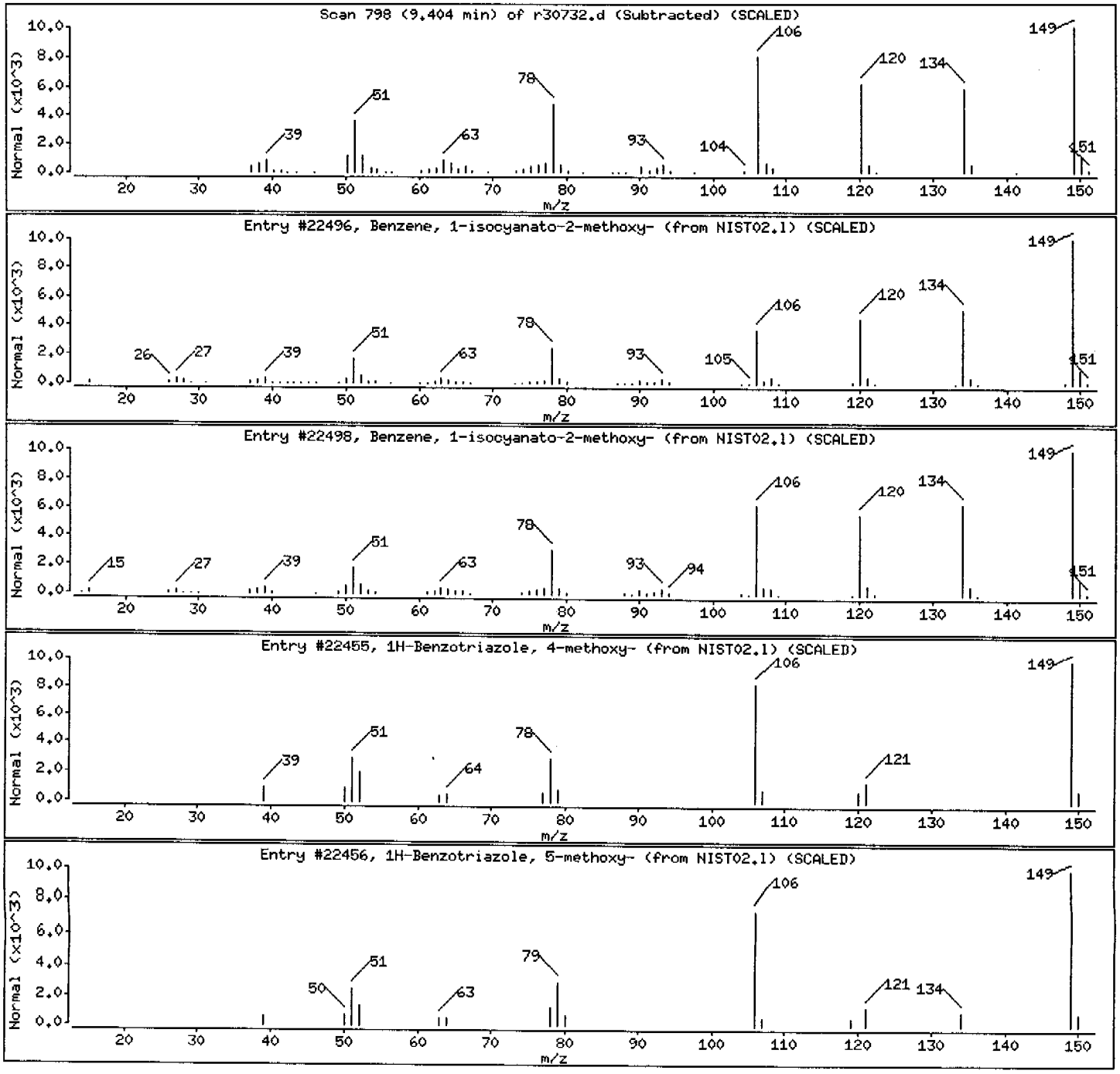
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-isocyanato-2-methoxy-	700-87-8	NIST02.l	22496	94	C8H7NO2	149
Benzene, 1-isocyanato-2-methoxy-	700-87-8	NIST02.l	22498	76	C8H7NO2	149
1H-Benzotriazole, 4-methoxy-	27799-90-2	NIST02.l	22455	52	C7H7N3O	149
1H-Benzotriazole, 5-methoxy-	27799-91-3	NIST02.l	22456	52	C7H7N3O	149



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Date : 09-OCT-2006 16:16

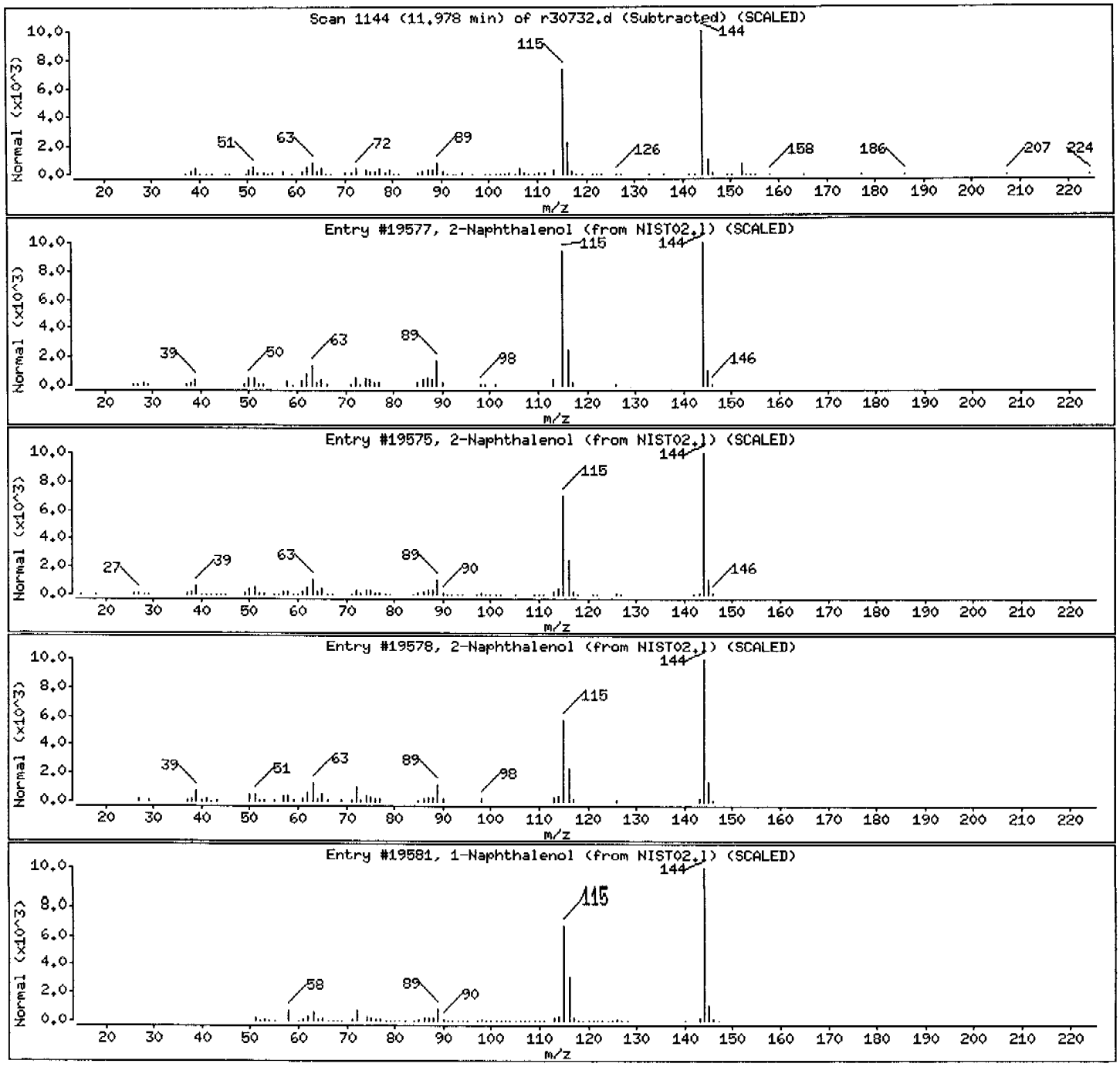
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Naphthalenol	135-19-3	NIST02.l	19577	94	C10H8O	144
2-Naphthalenol	135-19-3	NIST02.l	19575	93	C10H8O	144
2-Naphthalenol	135-19-3	NIST02.l	19578	87	C10H8O	144
1-Naphthalenol	90-15-3	NIST02.l	19581	86	C10H8O	144



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Date : 09-OCT-2006 16:16

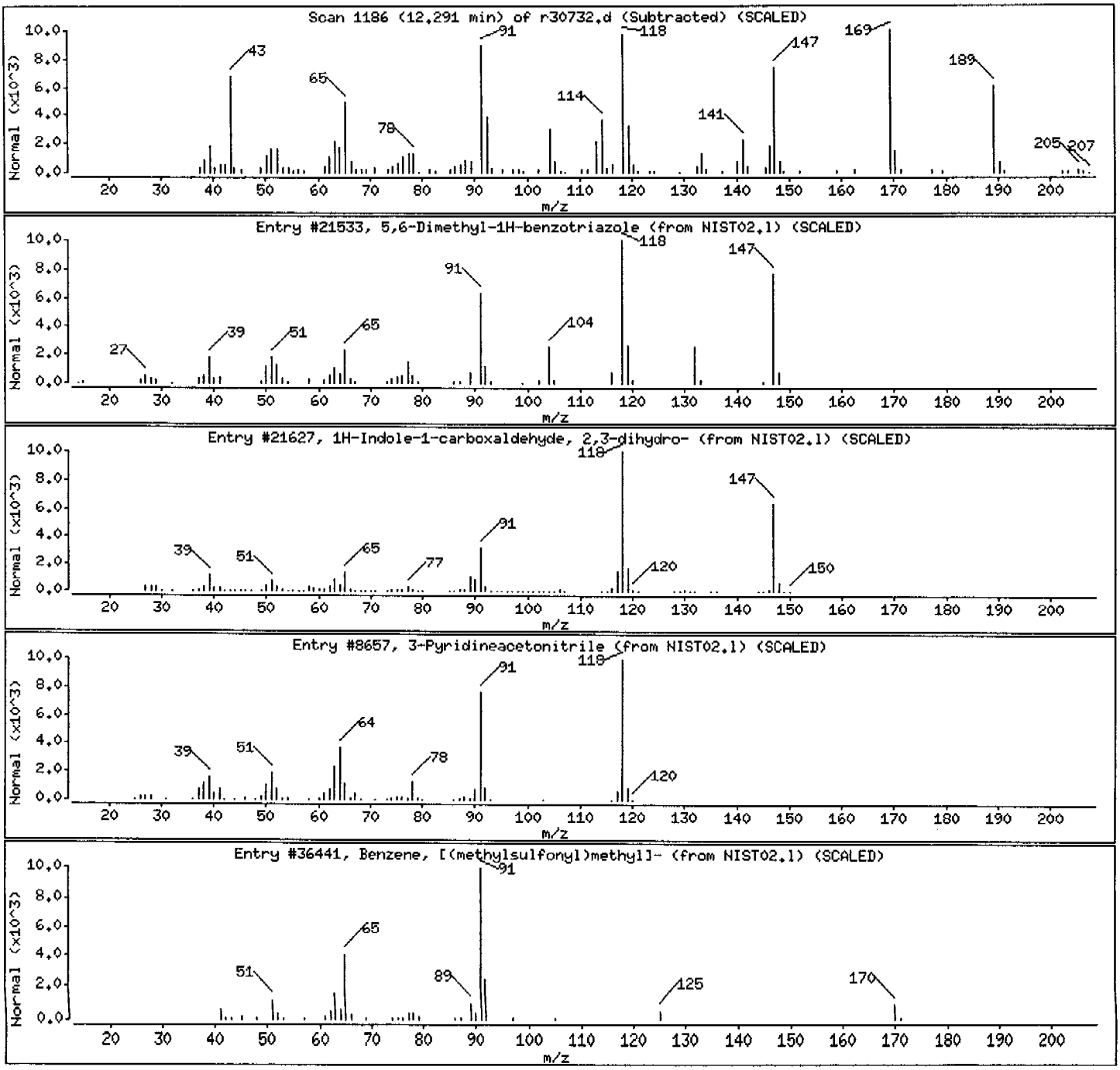
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5,6-Dimethyl-1H-benzotriazole	4184-79-6	NIST02.l	21533	60	C8H9N3	147
1H-Indole-1-carboxaldehyde, 2,3-dihydro-	2861-59-8	NIST02.l	21627	47	C9H9NO	147
3-Pyridineacetonitrile	6443-85-2	NIST02.l	8657	25	C7H6N2	118
Benzene, [(methylsulfonyl)methyl]-	3112-90-1	NIST02.l	36441	22	C8H10O2S	170



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

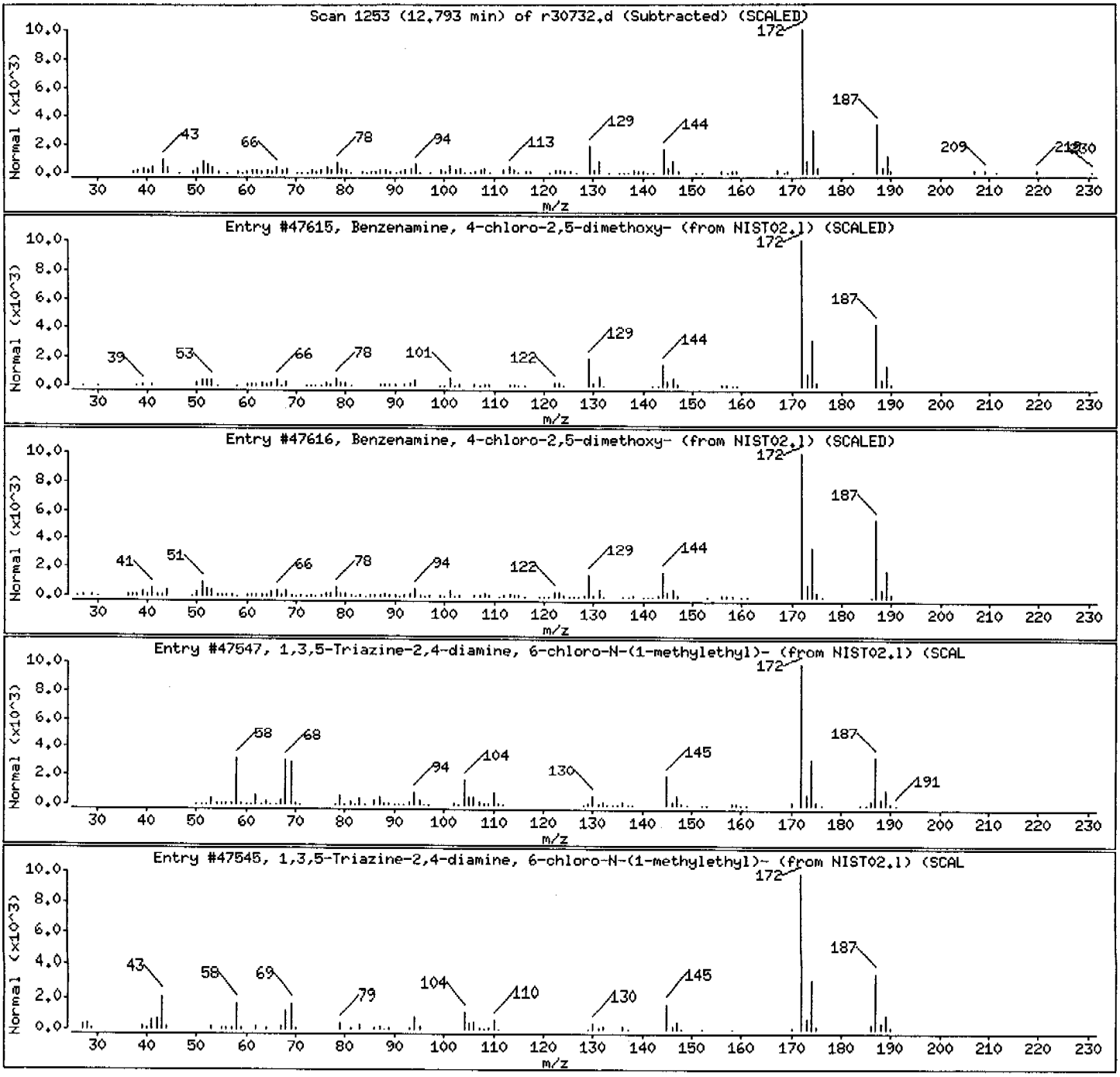
Date : 09-OCT-2006 16:16

Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzenamine, 4-chloro-2,5-dimethoxy-	6358-64-1	NIST02.l	47615	98	C8H10ClNO2	187
Benzenamine, 4-chloro-2,5-dimethoxy-	6358-64-1	NIST02.l	47616	94	C8H10ClNO2	187
1,3,5-Triazine-2,4-diamine, 6-chloro-N-(	6190-65-4	NIST02.l	47547	72	C6H10ClN5	187
1,3,5-Triazine-2,4-diamine, 6-chloro-N-(	6190-65-4	NIST02.l	47545	72	C6H10ClN5	187



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Date : 09-OCT-2006 16:16

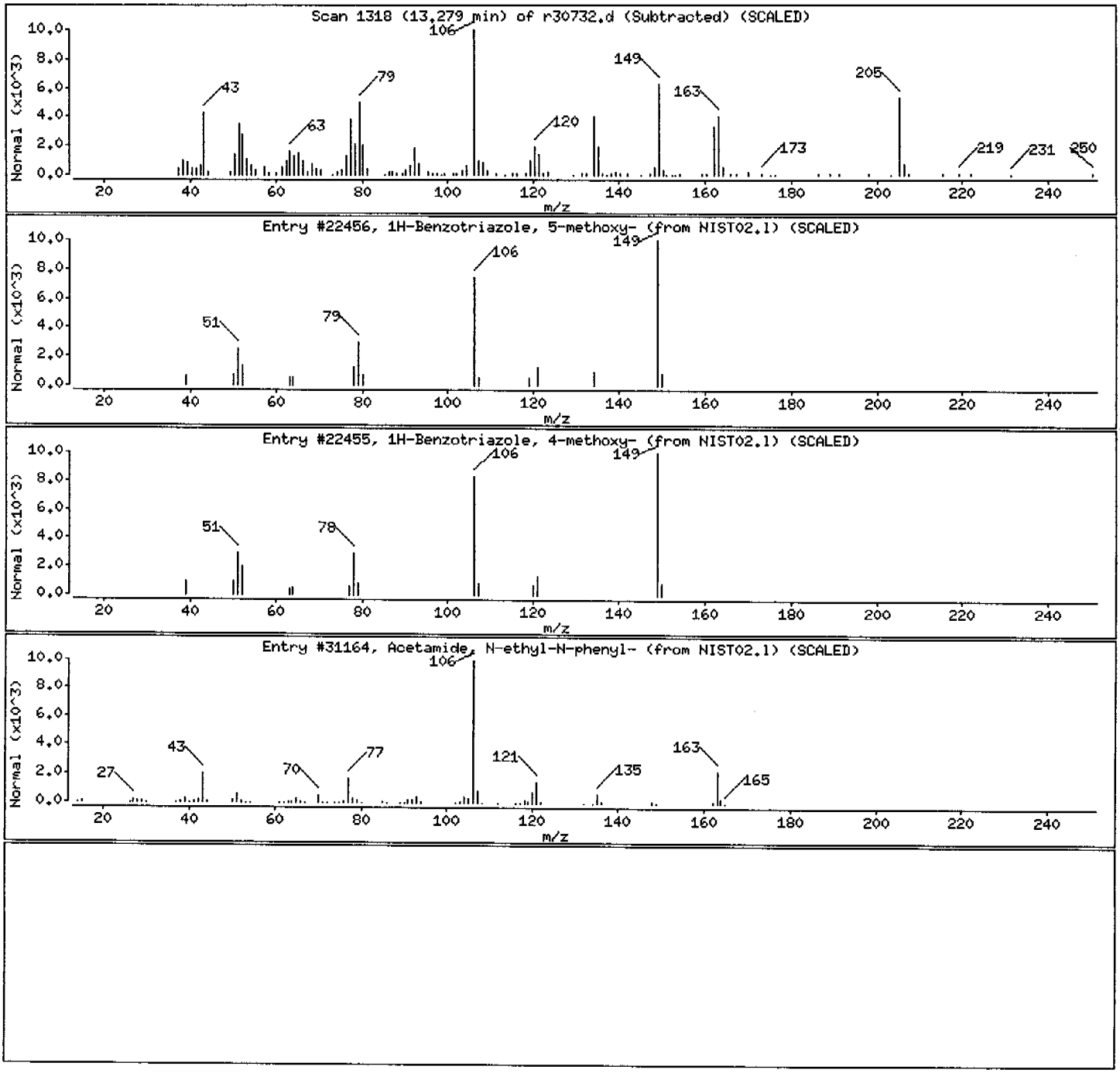
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Benzotriazole, 5-methoxy-	27799-91-3	NIST02.l	22456	43	C7H7N3O	149
1H-Benzotriazole, 4-methoxy-	27799-90-2	NIST02.l	22455	38	C7H7N3O	149
Acetamide, N-ethyl-N-phenyl-	529-65-7	NIST02.l	31164	20	C10H13NO	163



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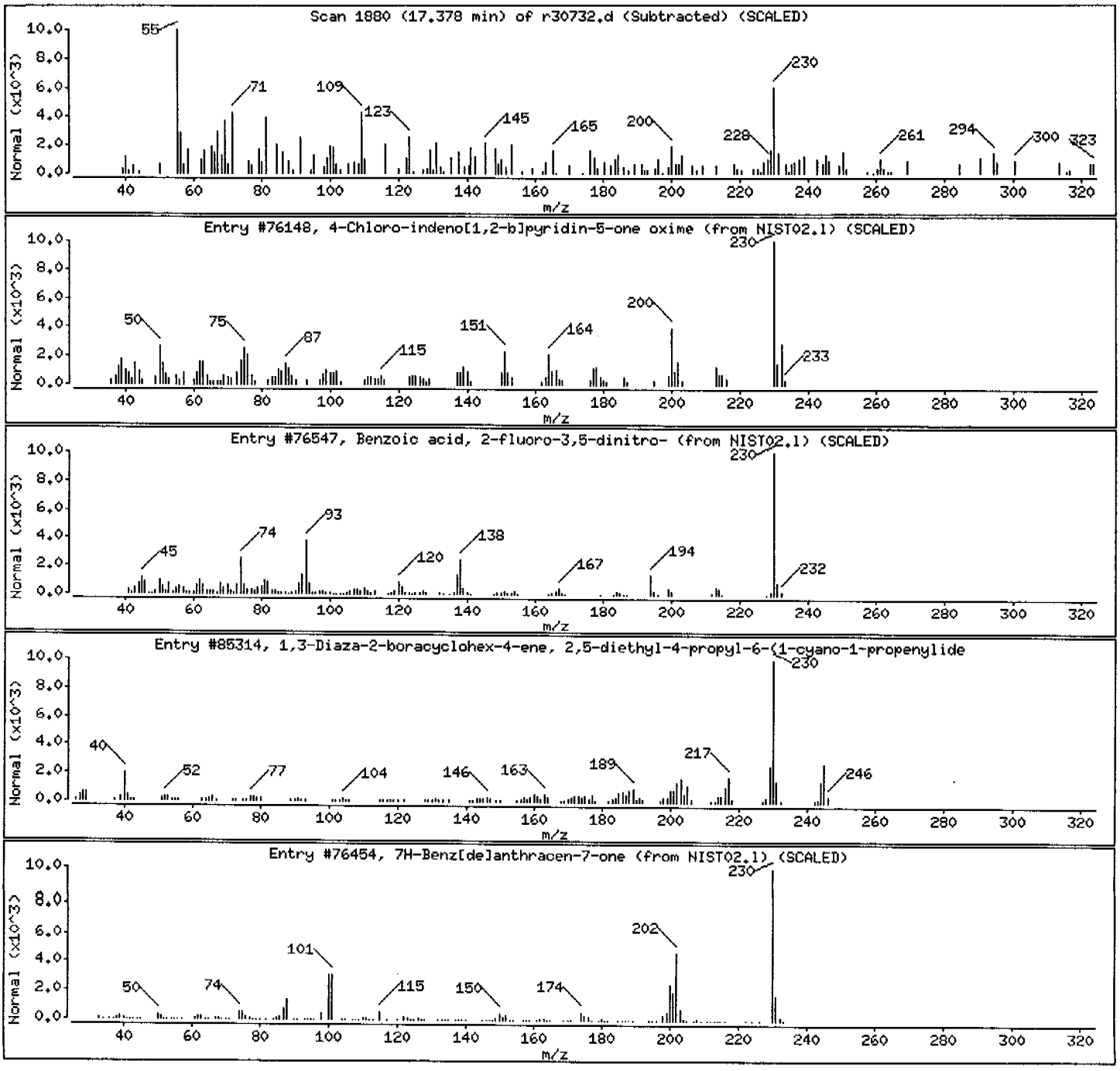
Date : 09-OCT-2006 16:16

Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Chloro-indeno[1,2-b]pyridin-5-one oxim	1000294-18-6	NIST02.1	76148	30	C12H7ClN2O	230
Benzoic acid, 2-fluoro-3,5-dinitro-	445-65-8	NIST02.1	76547	30	C7H3FN2O6	230
1,3-Diaza-2-boracyclohex-4-ene, 2,5-diet	1000162-56-7	NIST02.1	85314	25	C14H24BN3	245
7H-Benz[de]anthracen-7-one	82-05-3	NIST02.1	76454	25	C17H10O	230



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Date : 09-OCT-2006 16:16

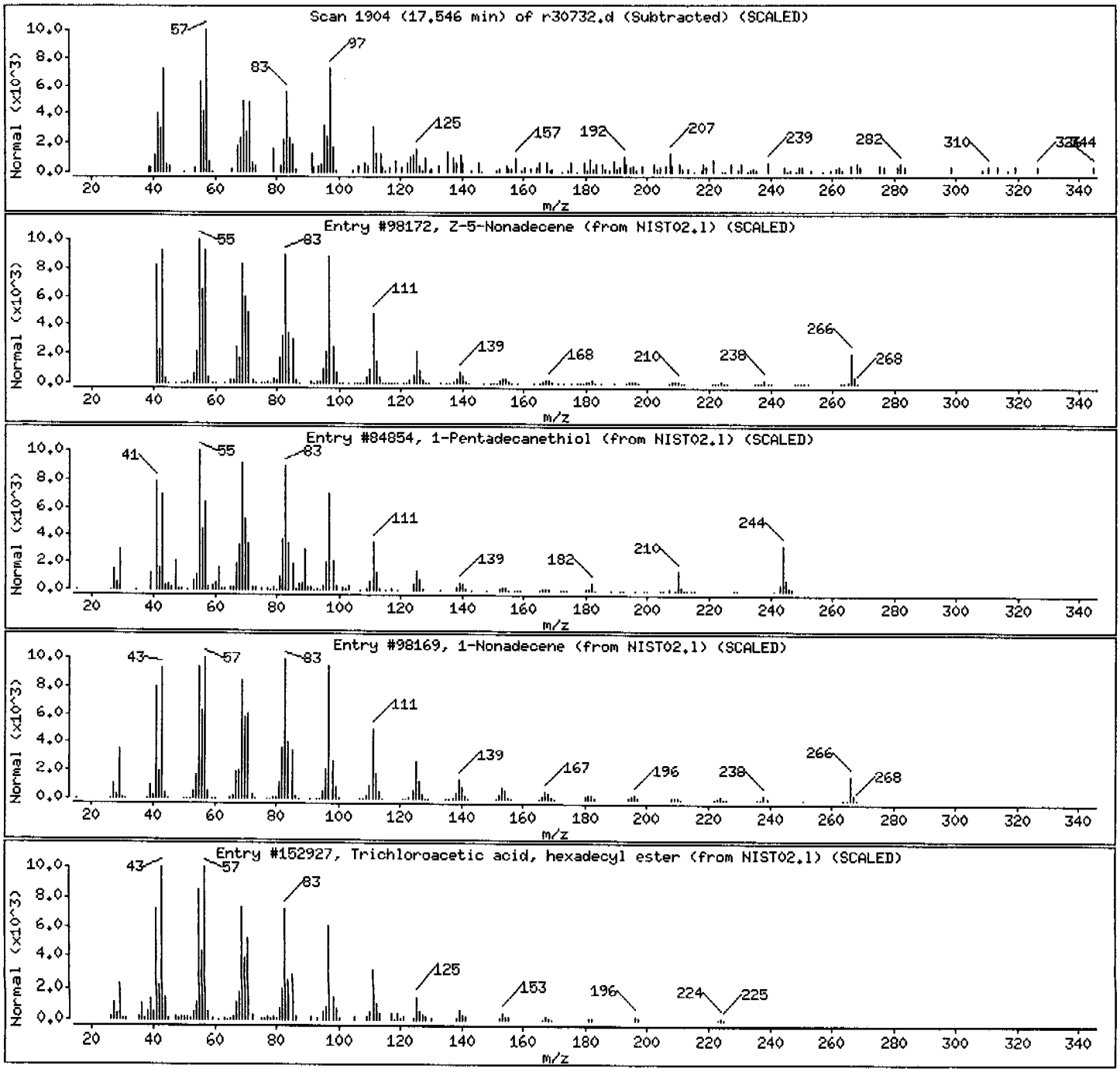
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Z-5-Nonadecene	1000131-11-8	NIST02.l	98172	94	C19H38	266
1-Pentadecanethiol	25276-70-4	NIST02.l	84854	90	C15H32S	244
1-Nonadecene	18435-45-5	NIST02.l	98169	89	C19H38	266
Trichloroacetic acid, hexadecyl ester	74339-54-1	NIST02.l	152927	74	C18H33Cl3O2	386



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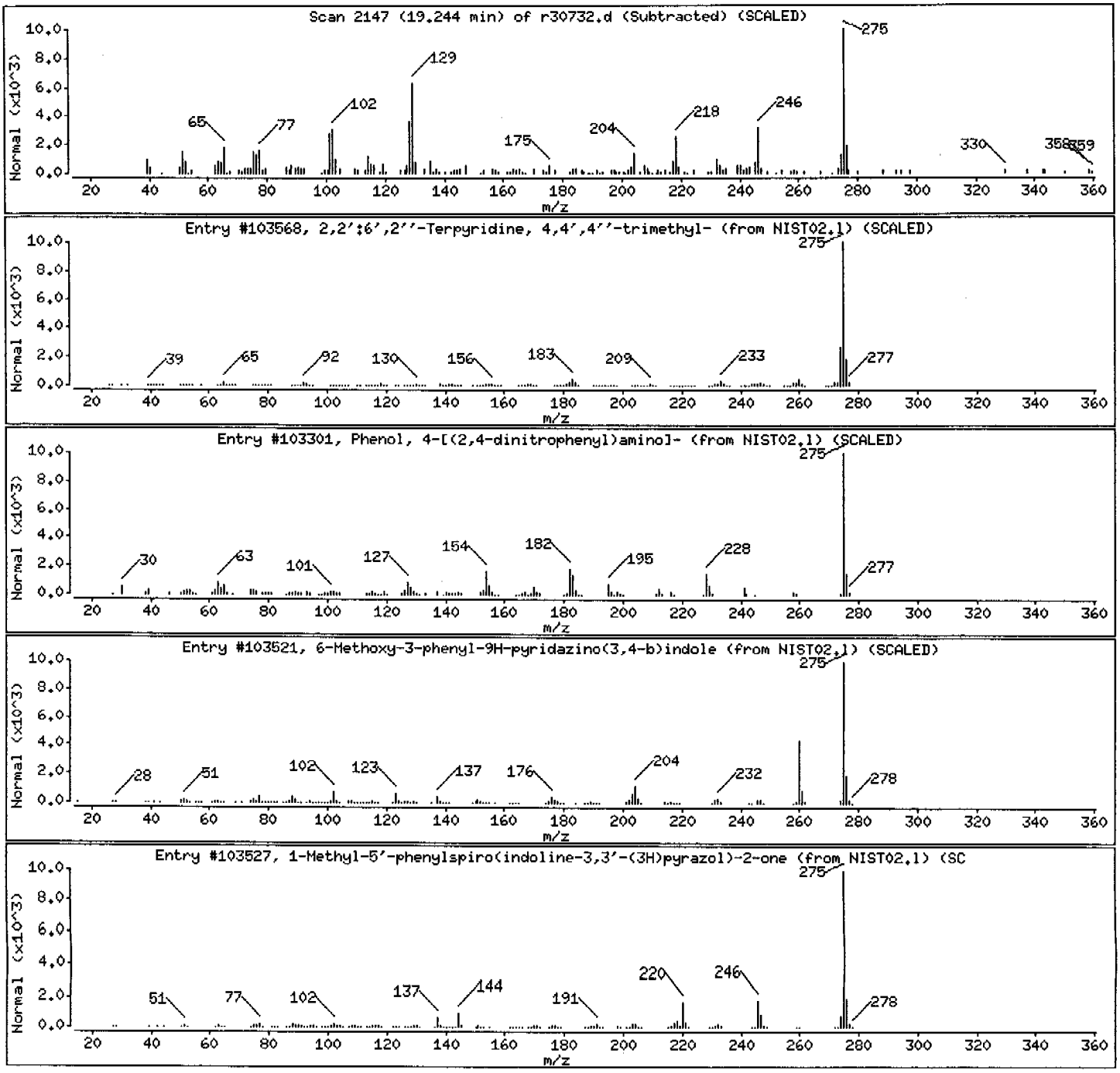
Date : 09-OCT-2006 16:16

Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,2';6',2''-Terpyridine, 4,4',4''-trimet	33354-75-5	NIST02.l	103568	42	C18H17N3	275
Phenol, 4-[(2,4-dinitrophenyl)aminol-	119-15-3	NIST02.l	103301	38	C12H9N3O5	275
6-Methoxy-3-phenyl-9H-pyridazino(3,4-b)i	3980-94-7	NIST02.l	103521	38	C17H13N3O	275
1-Methyl-5'-phenylspiro(indoline-3,3'-(3	15970-21-5	NIST02.l	103527	38	C17H13N3O	275



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30732.d

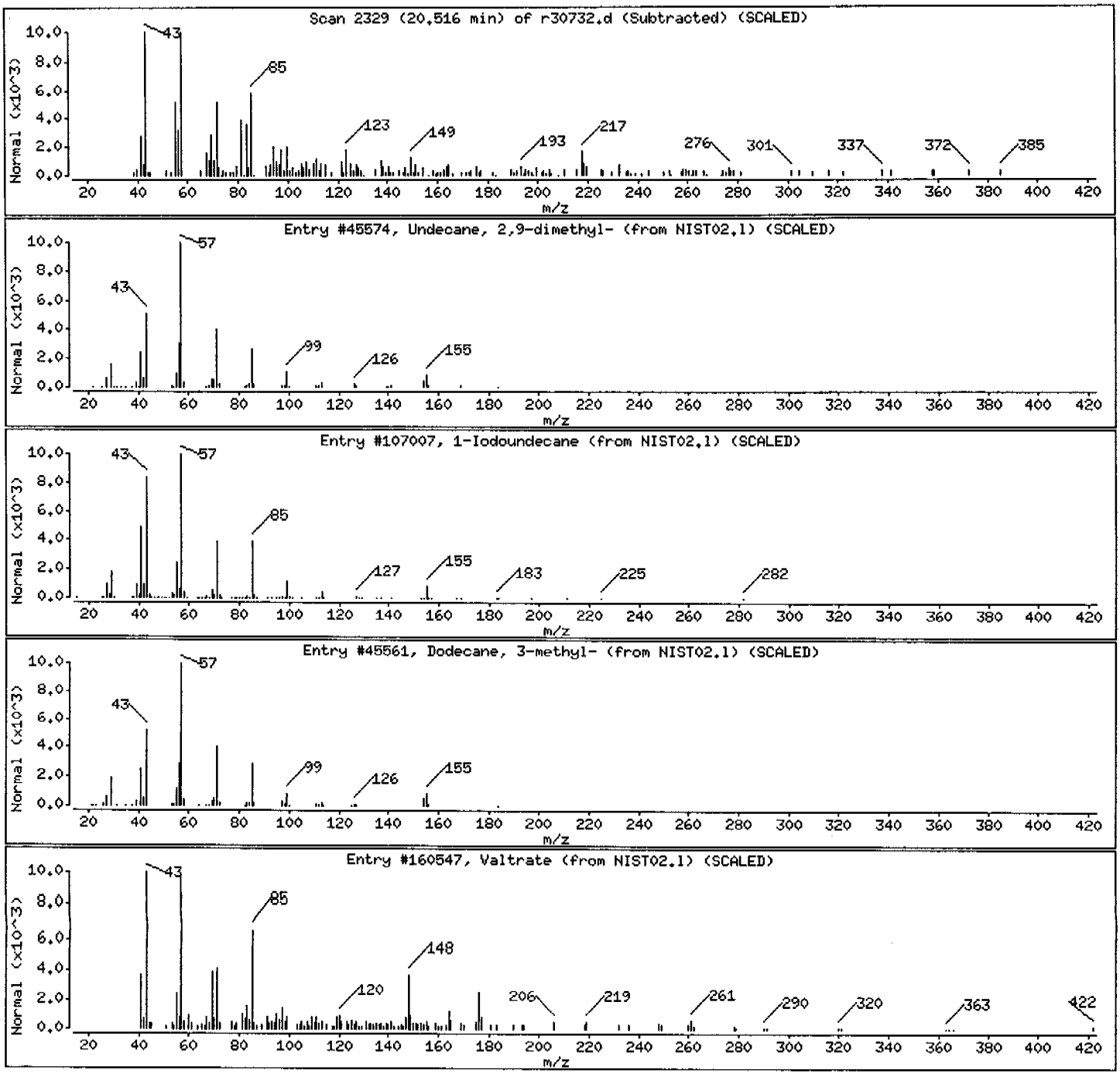
Date : 09-OCT-2006 16:16

Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Undecane, 2,9-dimethyl-	17301-26-7	NIST02.l	45574	50	C13H28	184
1-Iodoundecane	4282-44-4	NIST02.l	107007	50	C11H23I	282
Dodecane, 3-methyl-	17312-57-1	NIST02.l	45561	50	C13H28	184
Valtrate	18296-44-1	NIST02.l	160547	46	C22H3008	422



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Date : 09-OCT-2006 16:16

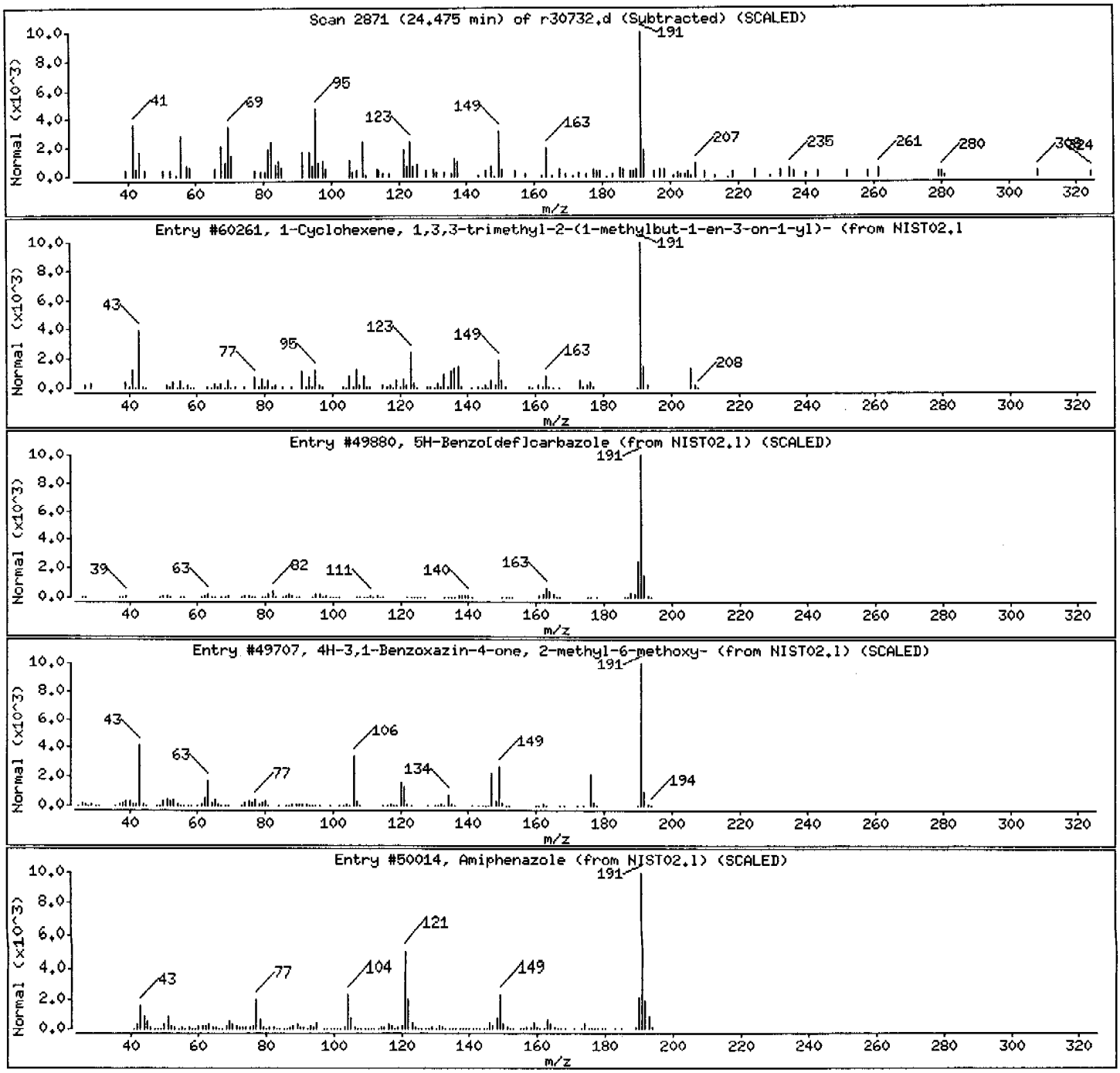
Client ID: B1406-SS01 Instrument: BNAMS1.i

Sample Info: 775288;3281176

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Cyclohexene, 1,3,3-trimethyl-2-(1-meth	1000197-08-4	NIST02.l	60261	38	C14H22O	206
5H-Benzo[def]carbazole	203-65-6	NIST02.l	49880	35	C14H9N	191
4H-3,1-Benzoxazin-4-one, 2-methyl-6-meth	38527-50-3	NIST02.l	49707	35	C10H9NO3	191
Amiphenazole	490-55-1	NIST02.l	50014	32	C9H9N3S	191



Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample No: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30730.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	81
1,3-Dichlorobenzene	ND	810
1,4-Dichlorobenzene	ND	810
1,2-Dichlorobenzene	ND	810
bis(2-chloroisopropyl)ether	ND	810
N-Nitroso-di-n-propylamine	ND	81
Hexachloroethane	ND	81
Nitrobenzene	ND	81
Isophorone	ND	810
bis(2-Chloroethoxy)methane	ND	810
1,2,4-Trichlorobenzene	ND	81
Naphthalene	40 J	810
4-Chloroaniline	ND	810
Hexachlorobutadiene	ND	160
2-Methylnaphthalene	55 J	810
Hexachlorocyclopentadiene	ND	810
2-Chloronaphthalene	ND	810
2-Nitroaniline	ND	1600
Dimethylphthalate	ND	810
Acenaphthylene	ND	810
2,6-Dinitrotoluene	ND	160
3-Nitroaniline	ND	1600
Acenaphthene	36 J	810
Dibenzofuran	19 J	810
2,4-Dinitrotoluene	ND	160
Diethylphthalate	ND	810
4-Chlorophenyl-phenylether	ND	810
Fluorene	28 J	810
4-Nitroaniline	ND	1600
N-Nitrosodiphenylamine	ND	810
4-Bromophenyl-phenylether	ND	810
Hexachlorobenzene	87	81
Phenanthrene	310 J	810
Anthracene	83 J	810

Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample No: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30730.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	44 J	810
Di-n-butylphthalate	ND	810
Fluoranthene	580 J	810
Pyrene	570 J	810
Butylbenzylphthalate	ND	810
3,3'-Dichlorobenzidine	ND	1600
Benzo(a)anthracene	290	81
Chrysene	380 J	810
bis(2-Ethylhexyl)phthalate	7800	810
Di-n-octylphthalate	ND	810
Benzo(b)fluoranthene	340	81
Benzo(k)fluoranthene	470	81
Benzo(a)pyrene	340	81
Indeno(1,2,3-cd)pyrene	110	81
Dibenz(a,h)anthracene	ND	81
Benzo(g,h,i)perylene	100 J	810

Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample No: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30730.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 17.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	10.03	910	
2.	Unknown Alkane	10.84	1000	
3.	Unknown Alkane	11.32	900	
4.	Unknown	12.29	1300	
5.	Tetrachloro-1,1-biphenyl isomer	14.88	1200	
6.	Tetrachloro-1,1-biphenyl isomer	15.14	1100	
7.	Tetrachloro-1,1-biphenyl isomer	15.30	1100	
8.	Tetrachloro-1,1-biphenyl isomer	15.60	1200	
9.	Tetrachloro-1,1-biphenyl isomer	15.65	1500	
10.	Tetrachloro-1,1-biphenyl isomer	15.86	1200	
11.	Unknown	20.06	20000	
12.	Unknown Alkane	20.52	1900	
13.	Unknown Alkane	22.67	1900	
14.	Unknown	23.47	2500	
15.	Unknown	24.48	2900	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 40610

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d
Report Date: 10-Oct-2006 11:57

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d
Lab Smp Id: 775289 Client Smp ID: B1406-SS02
Inj Date : 09-OCT-2006 14:59
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775289;3281193
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/09oct06.b/8270C6-1.m
Meth Date : 10-Oct-2006 10:02 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 8
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	17.30000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.811	5.793	(0.778)	422739	39.6402	6400
$	17 Phenol-d5 (SUR)	99	6.979	6.977	(0.934)	579368	43.7035	7000
*	79 1,4-Dichlorobenzene-d4	152	7.469	7.468	(1.000)	284751	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.262	8.266	(0.892)	248576	20.9629	3400
*	80 Naphthalene-d8	136	9.259	9.259	(1.000)	1156866	40.0000	
	31 Naphthalene	128	9.282	9.289	(1.002)	7272	0.25149	40(a)
	34 2-Methylnaphthalene	142	10.265	10.269	(1.109)	6938	0.34308	55(a)
$	77 2-Fluorobiphenyl (SUR)	172	10.809	10.811	(0.915)	487228	22.2967	3600
*	82 Acenaphthene-d10	164	11.819	11.817	(1.000)	733494	40.0000	
	42 Acenaphthene	154	11.864	11.867	(1.004)	4200	0.22556	36(a)
	43 Dibenzofuran	168	12.080	12.091	(1.022)	3439	0.11872	19(a)
	47 Fluorene	166	12.590	12.597	(1.065)	4139	0.17603	28(a)
$	18 2,4,6-Tribromophenol (SUR)	330	12.976	12.977	(1.098)	144127	35.7313	5800
	51 Hexachlorobenzene	284	13.514	13.518	(0.968)	3567	0.54050	87

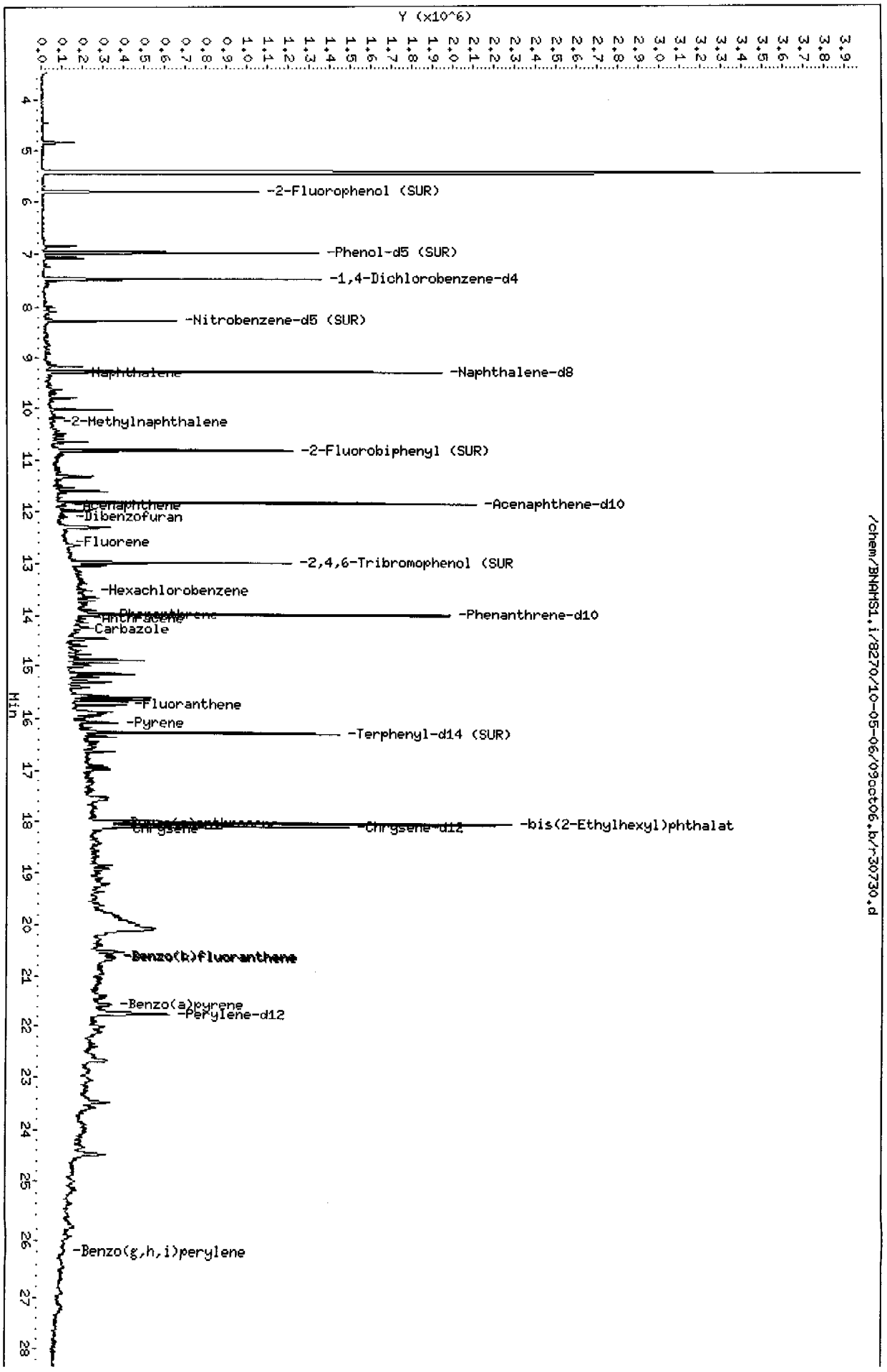
J Is confirmed by r30753.a

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d
Report Date: 10-Oct-2006 11:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
*	83 Phenanthrene-d10	188	13.963	13.966	(1.000)	1044295	40.0000	
	52 Phenanthrene	178	13.993	14.004	(1.002)	60235	1.94821	310(a)
	53 Anthracene	178	14.061	14.064	(1.007)	15992	0.51730	83(a)
	54 Carbazole	167	14.276	14.288	(1.022)	7892	0.27034	44(a)
	56 Fluoranthene	202	15.737	15.740	(1.127)	115053	3.62980	580(a)
	57 Pyrene	202	16.076	16.083	(0.890)	105273	3.54198	570(a)
$	78 Terphenyl-d14 (SUR)	244	16.259	16.254	(0.900)	471434	23.1375	3700
	63 bis(2-Ethylhexyl)phthalate	149	17.995	17.986	(0.996)	1174015	48.2497	7800
	61 Benzo(a)anthracene	228	18.023	18.030	(0.997)	46058	1.80537	290
*	81 Chrysene-d12	240	18.072	18.068	(1.000)	927298	40.0000	
	62 Chrysene	228	18.114	18.129	(1.002)	55886	2.35075	380(a)
	65 Benzo(b)fluoranthene	252	20.589	20.605	(0.947)	32149	2.13798	340
	66 Benzo(k)fluoranthene	252	20.638	20.686	(0.949)	37746	2.89202	470
	67 Benzo(a)pyrene	252	21.545	21.560	(0.991)	26931	2.12904	340
*	84 Perylene-d12	264	21.740	21.740	(1.000)	394133	40.0000	
	70 Benzo(g,h,i)perylene	276	26.186	26.271	(1.205)	7161	0.65545	100(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-Dibenzofuran
-Fluorene
-2,4,6-Tribromophenol (SUR
-Hexachlorobenzene
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
-bis(2-Ethylhexyl)phthalat
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Benzo(g,h,i)perylene
/chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d
Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d
Date : 09-OCT-2006 14:59
Client ID: B1406-SS02
Sample Info: 775289;3281193
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

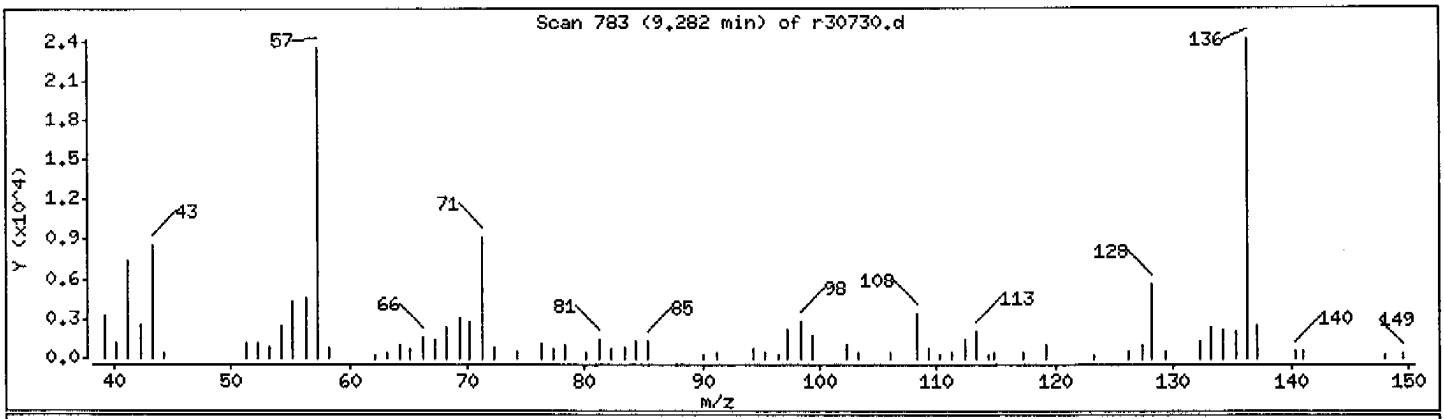
Client ID: B1406-SS02 Instrument: BNAMS1.i

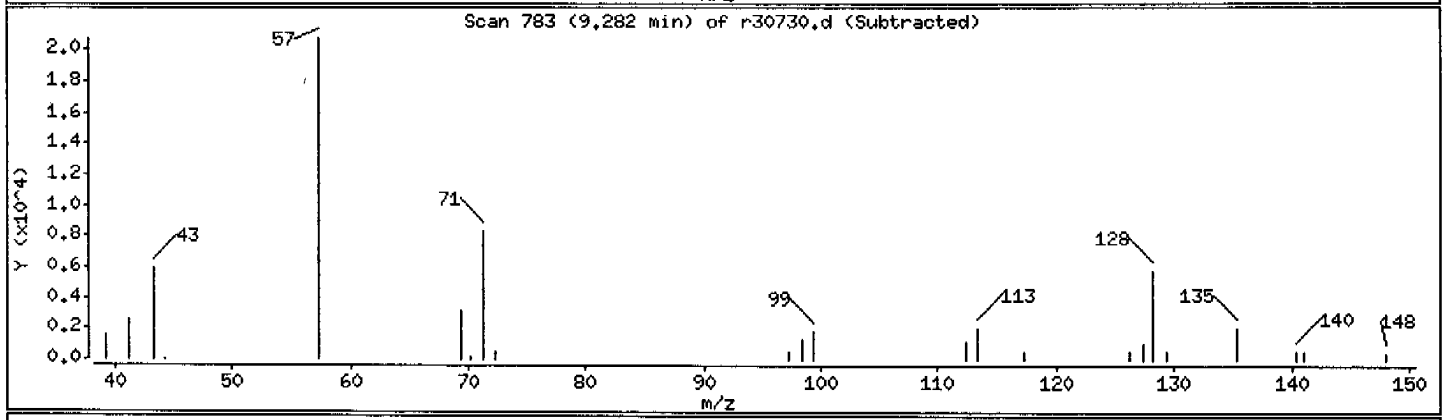
Sample Info: 775289;3281193

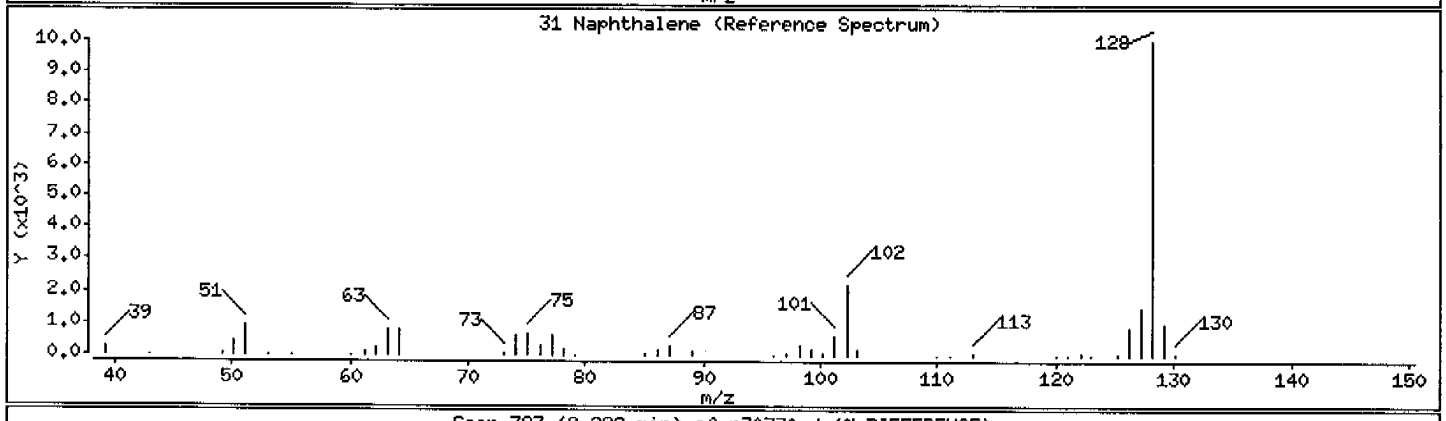
Operator: BNAMS 4

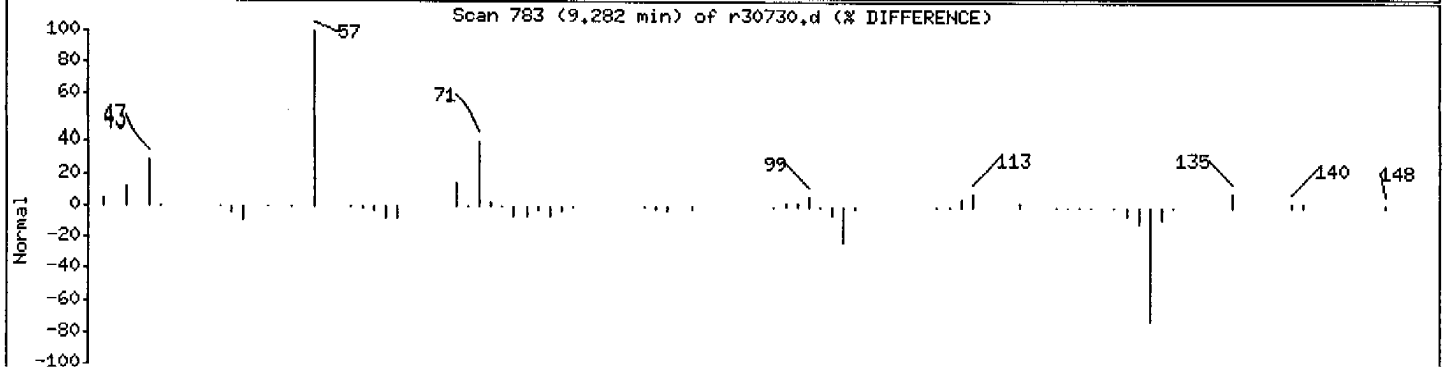
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 40 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

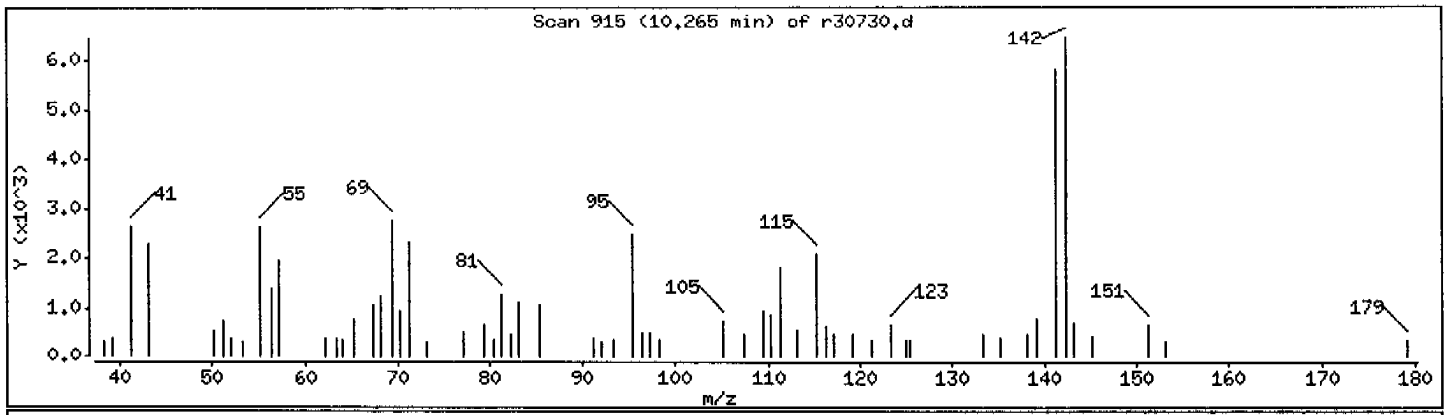
Client ID: B1406-SS02 Instrument: BNAMS1.i

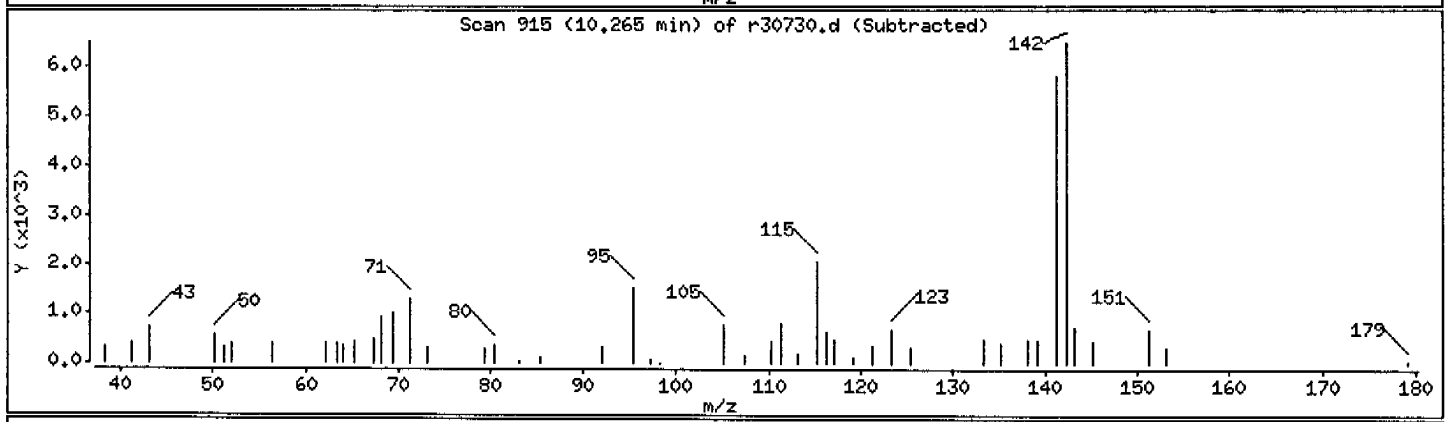
Sample Info: 775289;3281193

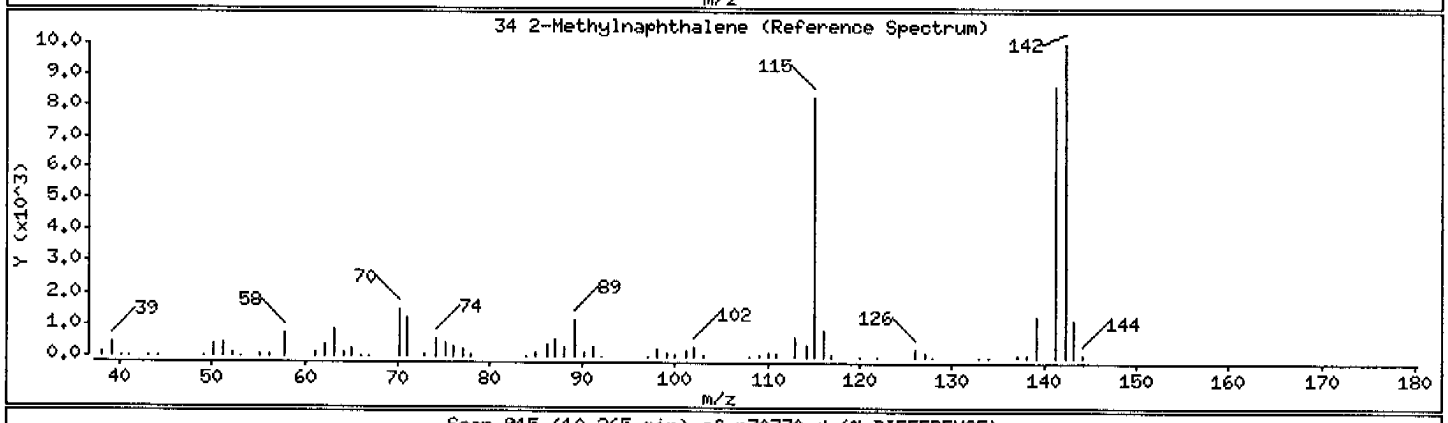
Operator: BNAMS 4

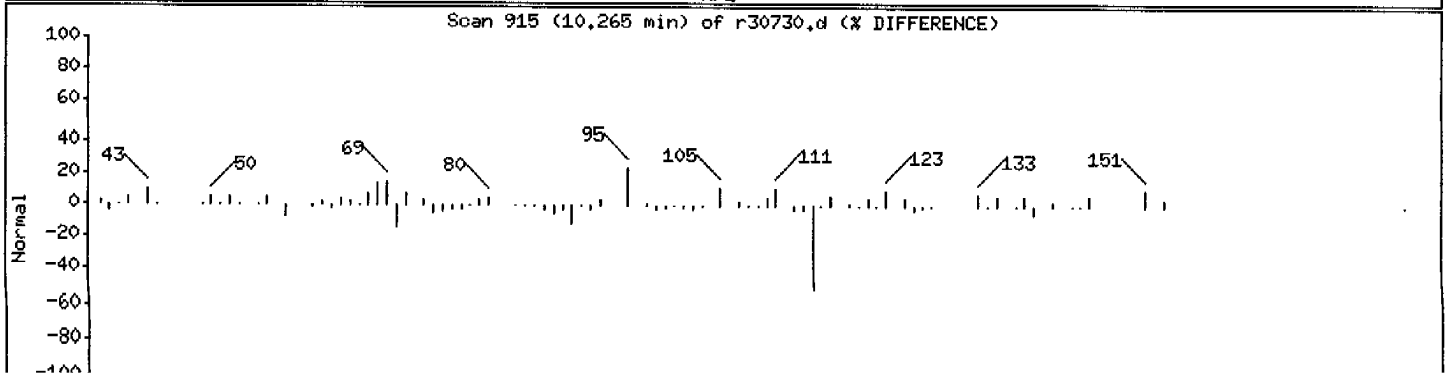
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 55 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

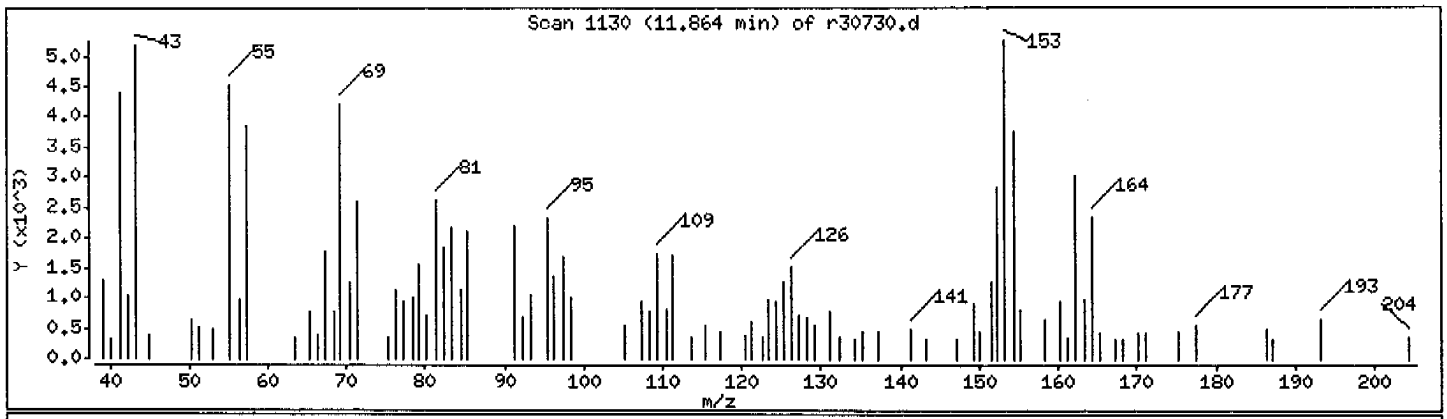
Client ID: B1406-SS02 Instrument: BNAMS1.i

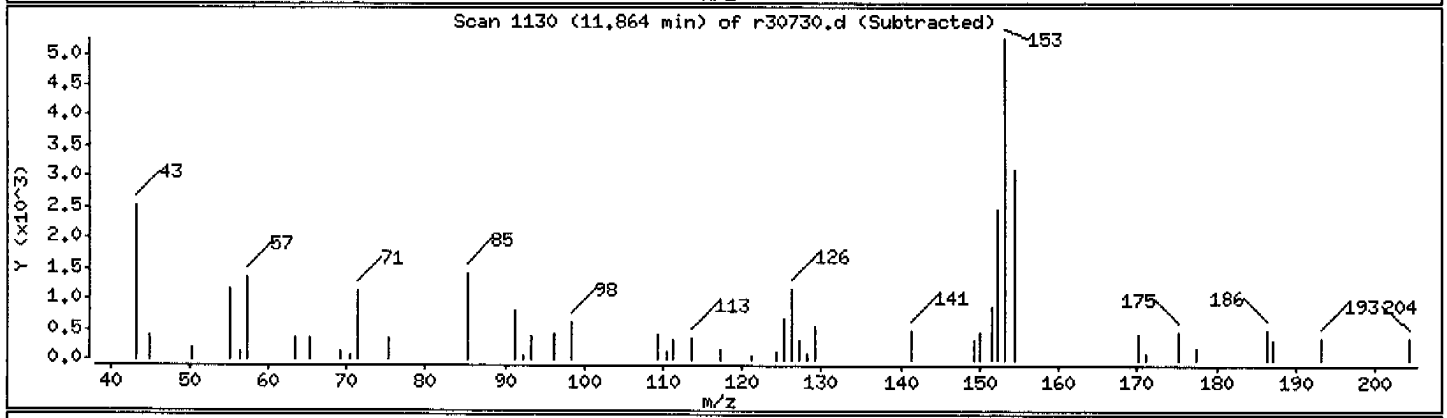
Sample Info: 775289;3281193

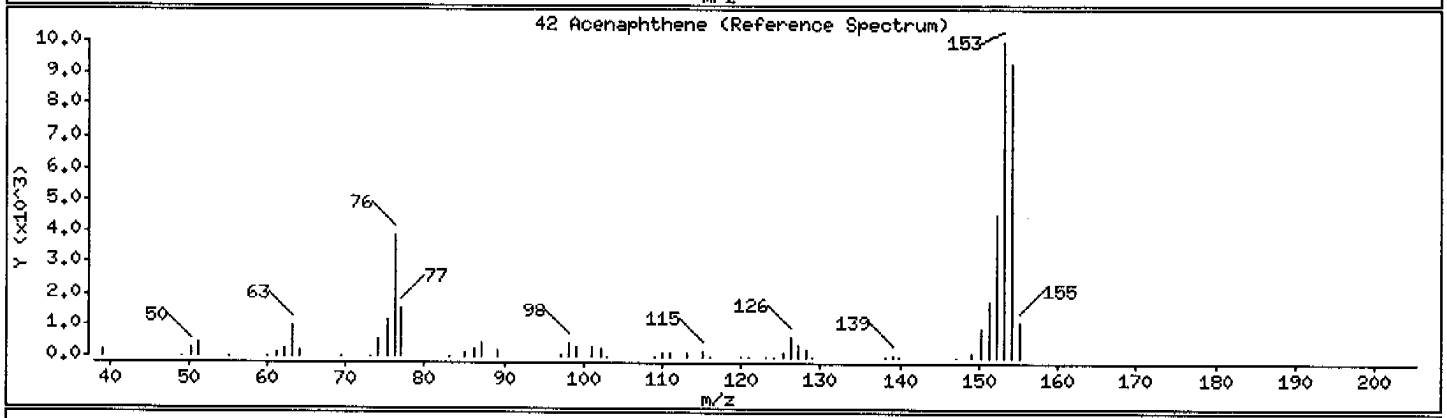
Operator: BNAMS 4

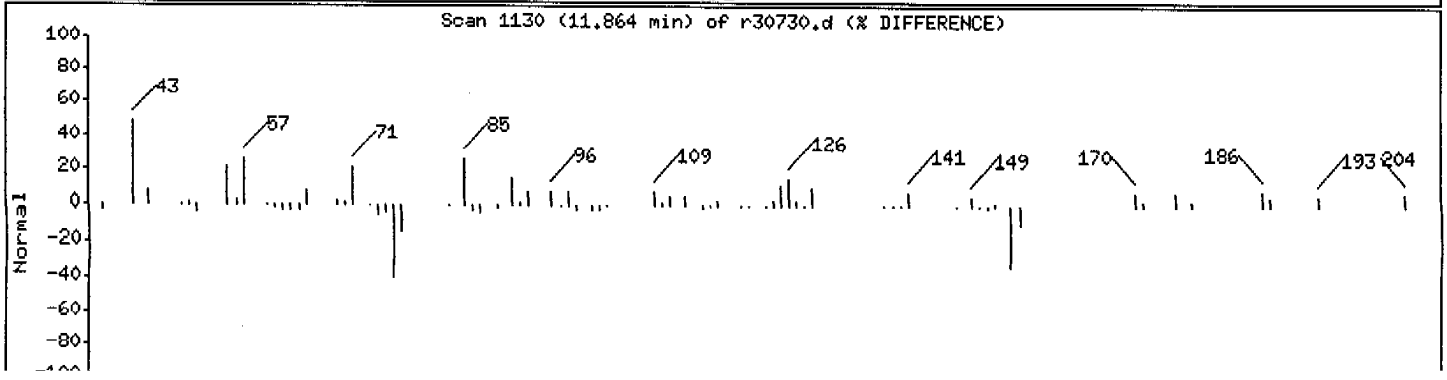
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 36 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

Client ID: B1406-SS02

Instrument: BNAMS1.i

Sample Info: 775289;3281193

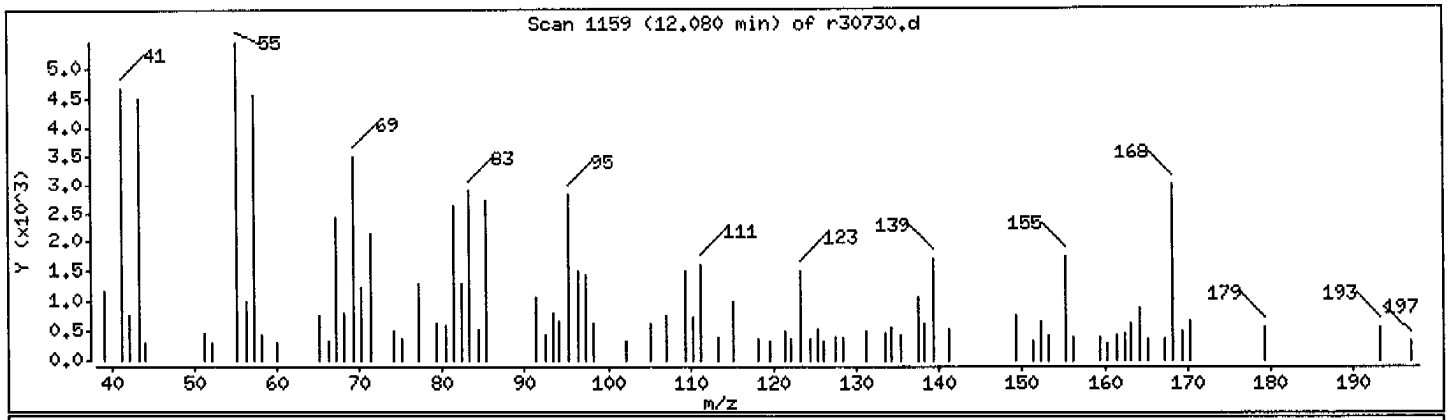
Operator: BNAMS 4

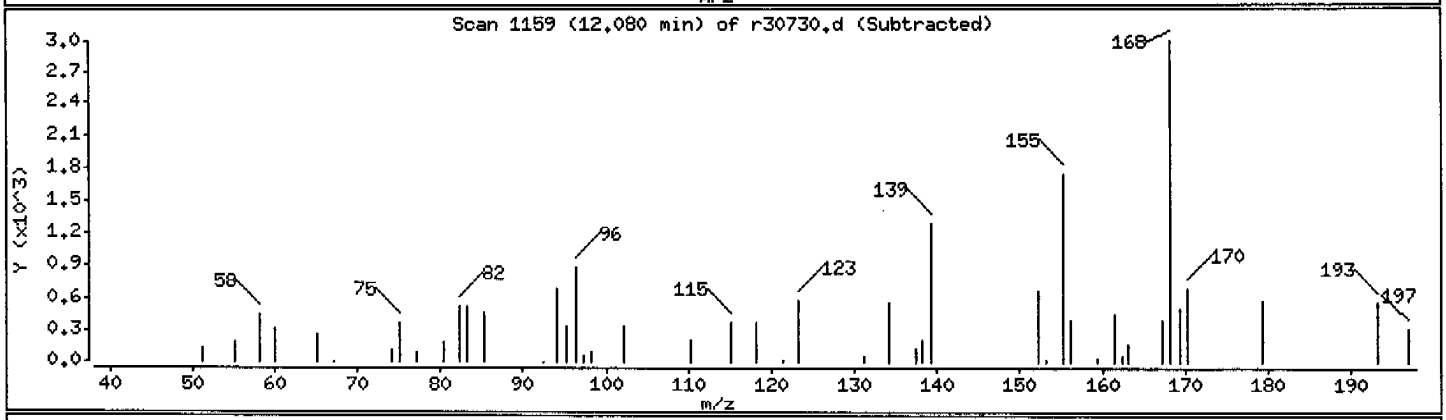
Column phase: DB-5

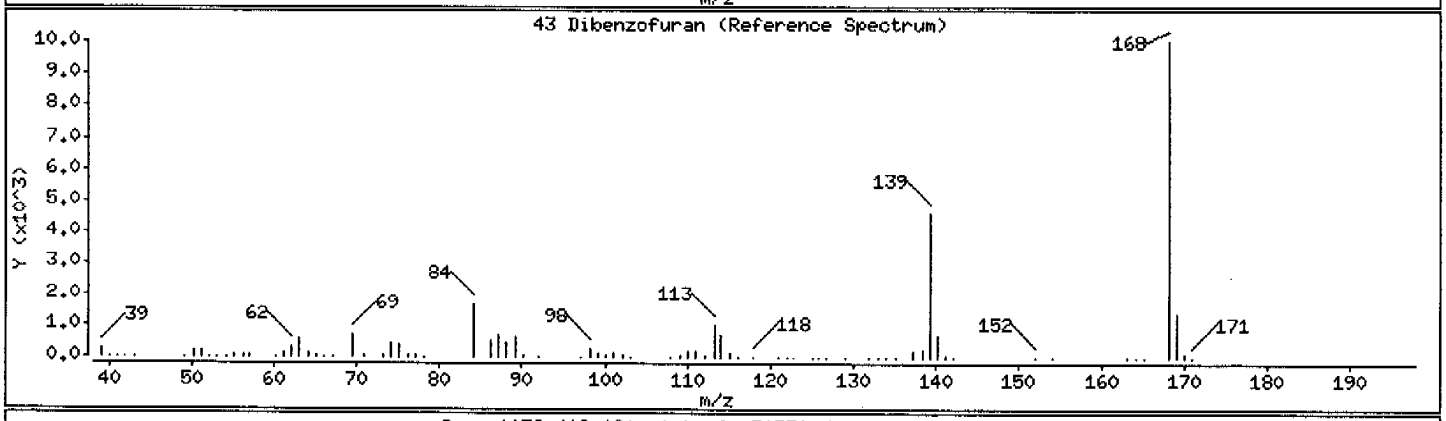
Column diameter: 0.25

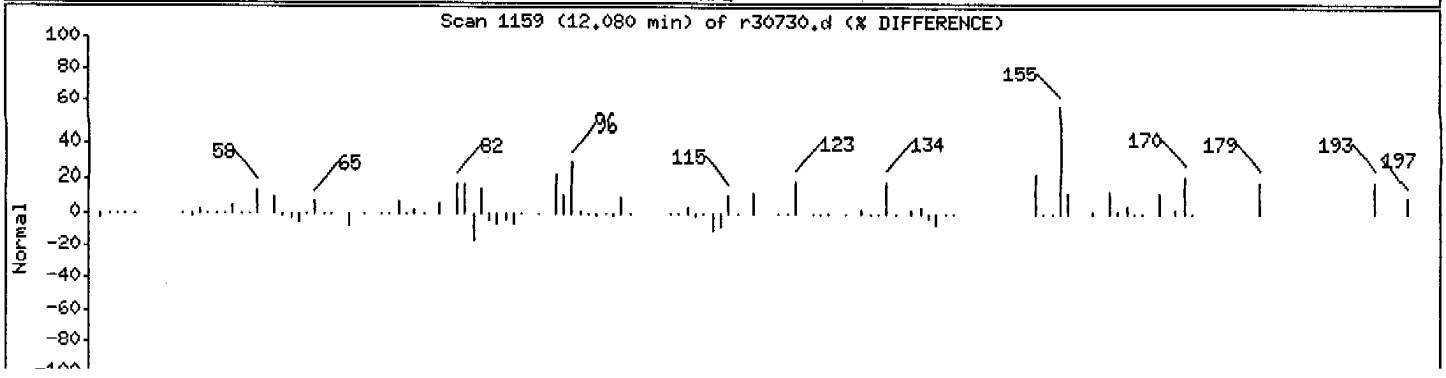
43 Dibenzofuran

Concentration: 19 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

Client ID: B1406-SS02

Instrument: BNAMS1.i

Sample Info: 775289;3281193

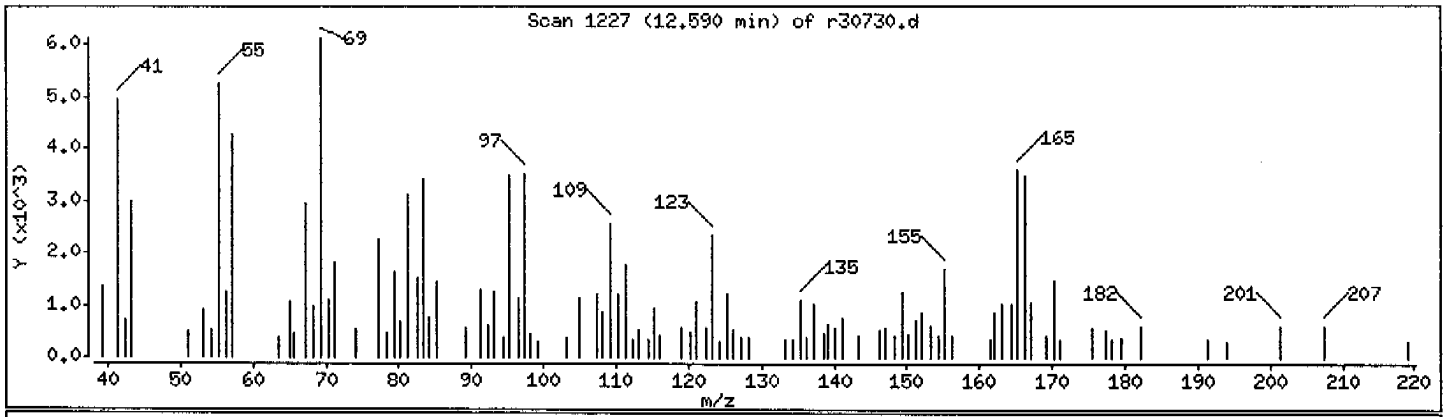
Operator: BNAMS 4

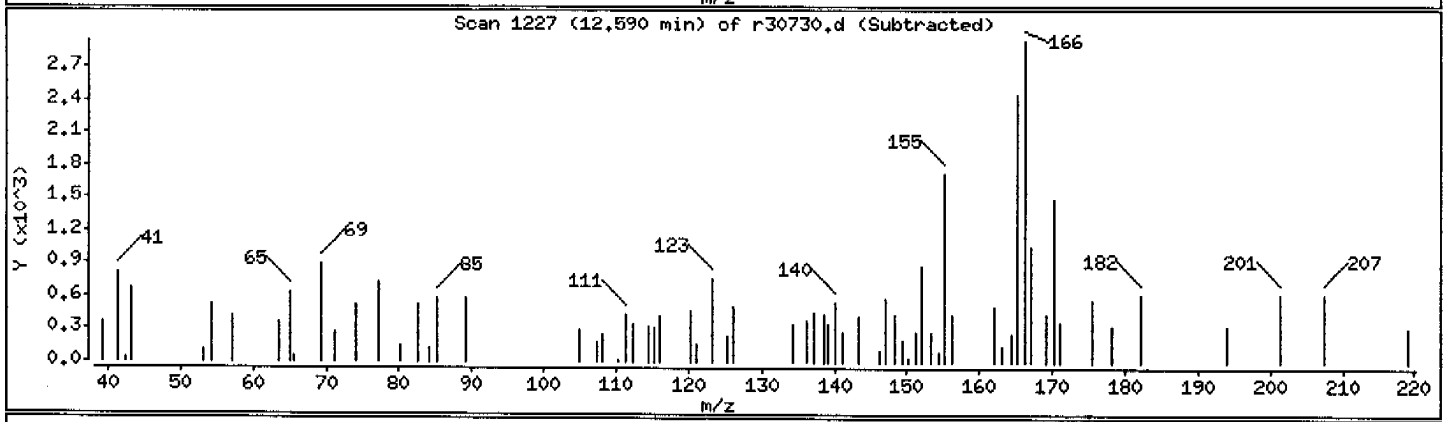
Column phase: DB-5

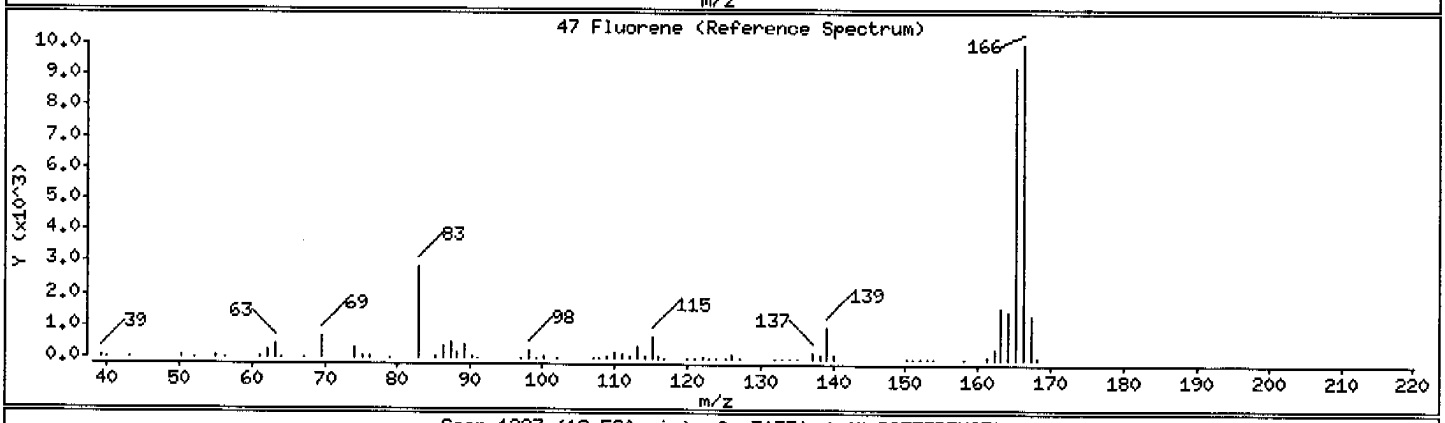
Column diameter: 0.25

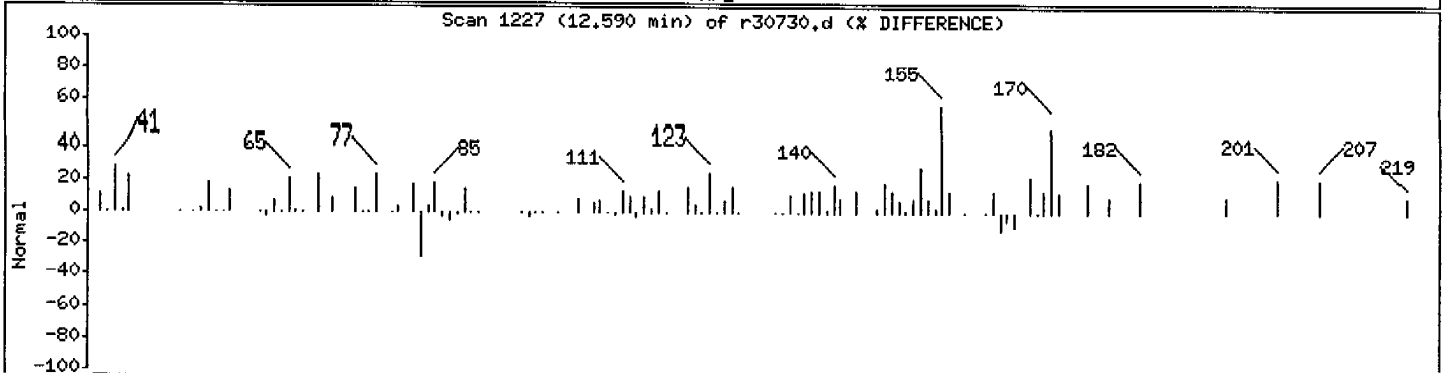
47 Fluorene

Concentration: 28 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

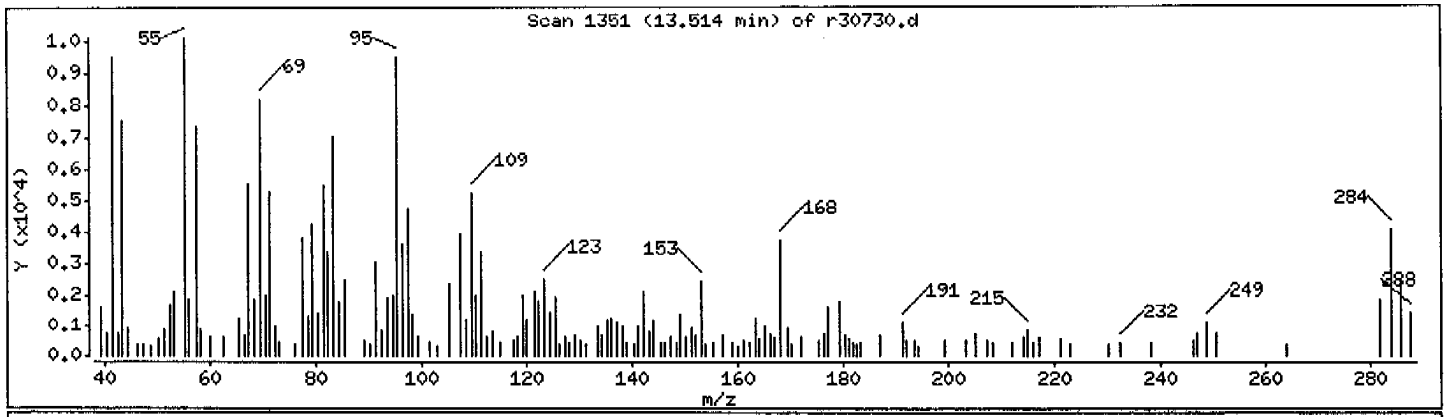
Client ID: B1406-SS02 Instrument: BNAMS1.i

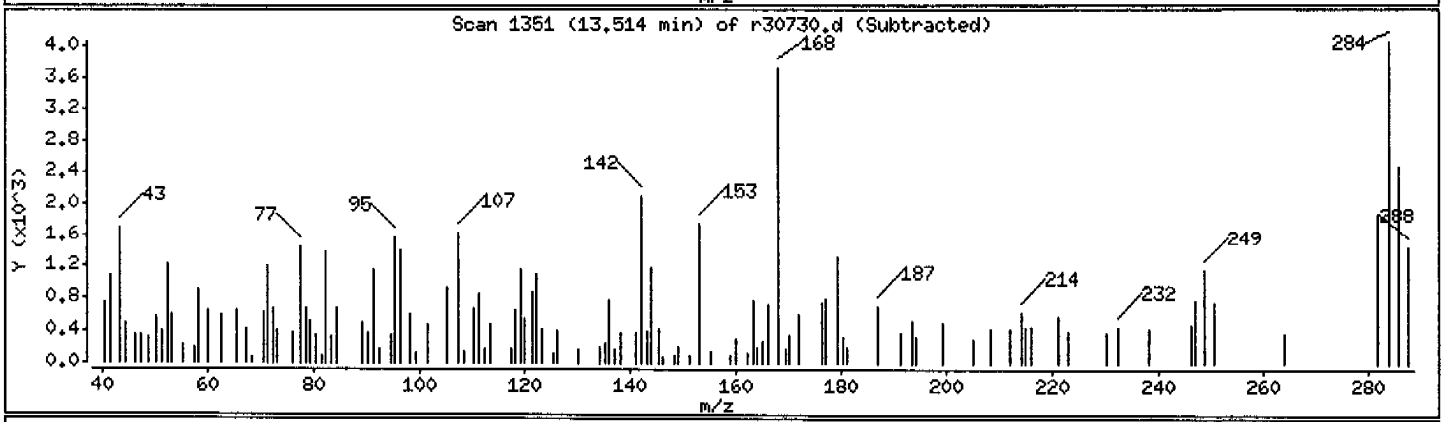
Sample Info: 775289;3281193

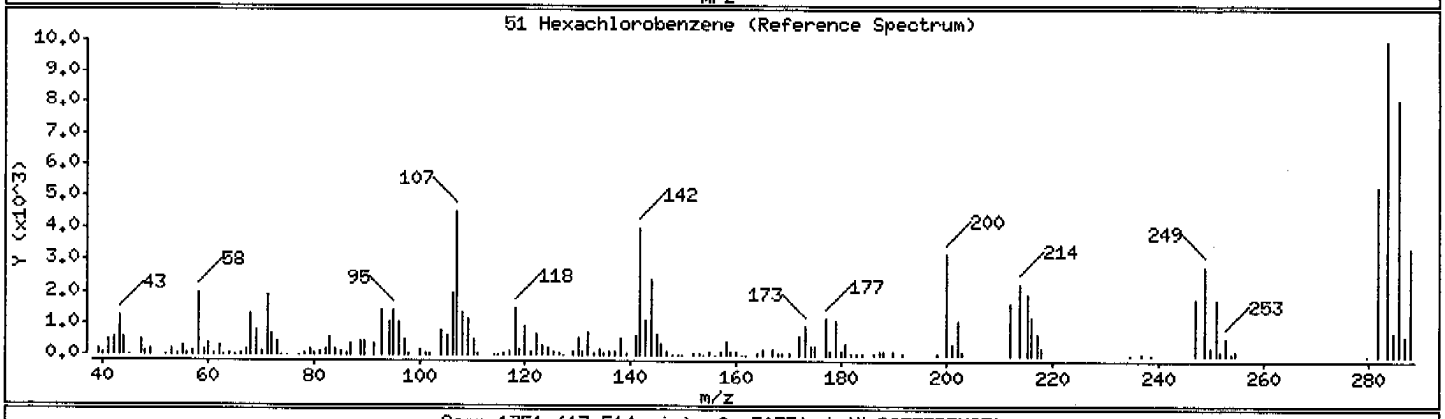
Operator: BNAMS 4

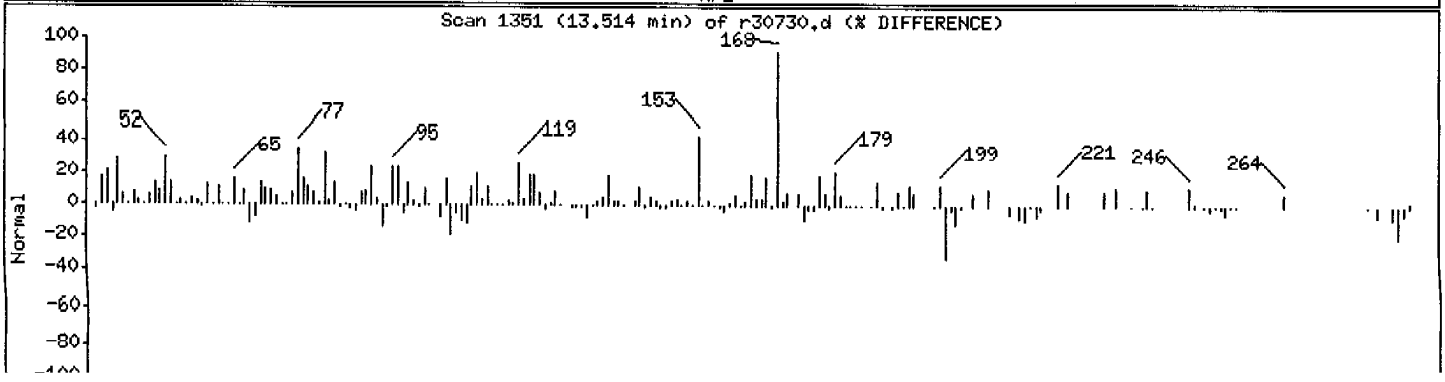
Column phase: DB-5 Column diameter: 0.25

51 Hexachlorobenzene Concentration: 87 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

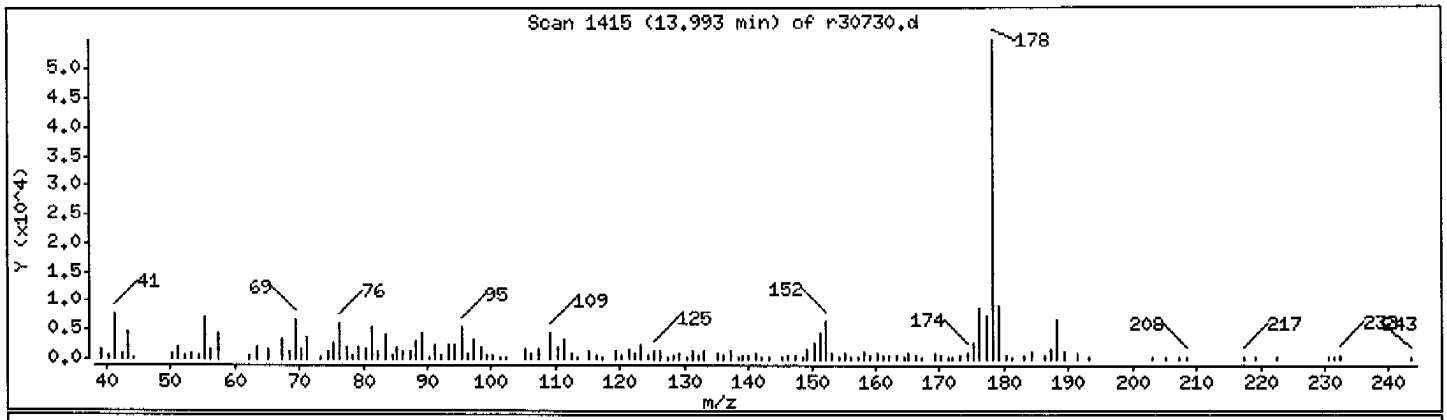
Client ID: B1406-SS02 Instrument: BNAMS1.i

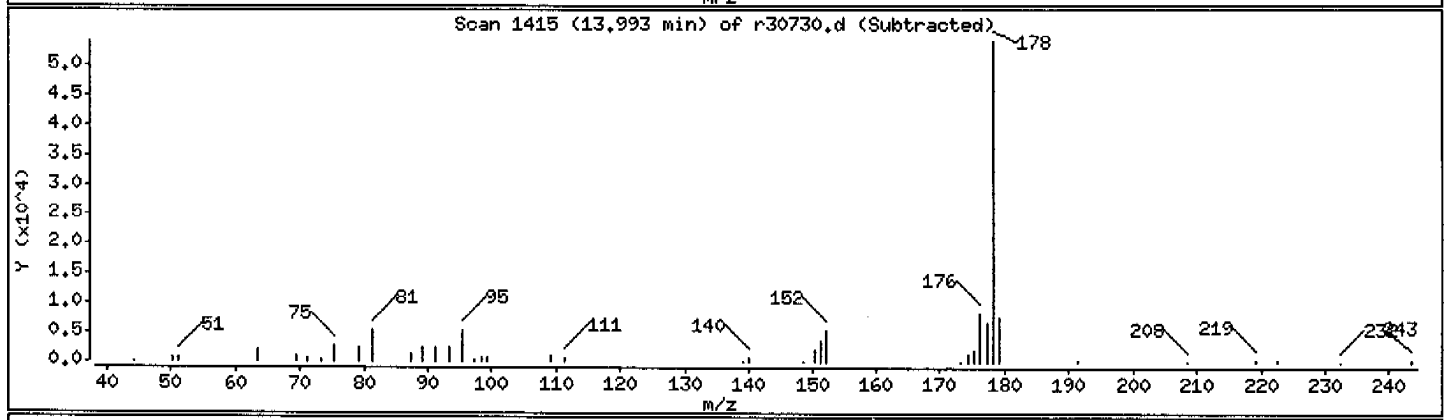
Sample Info: 775289;3281193

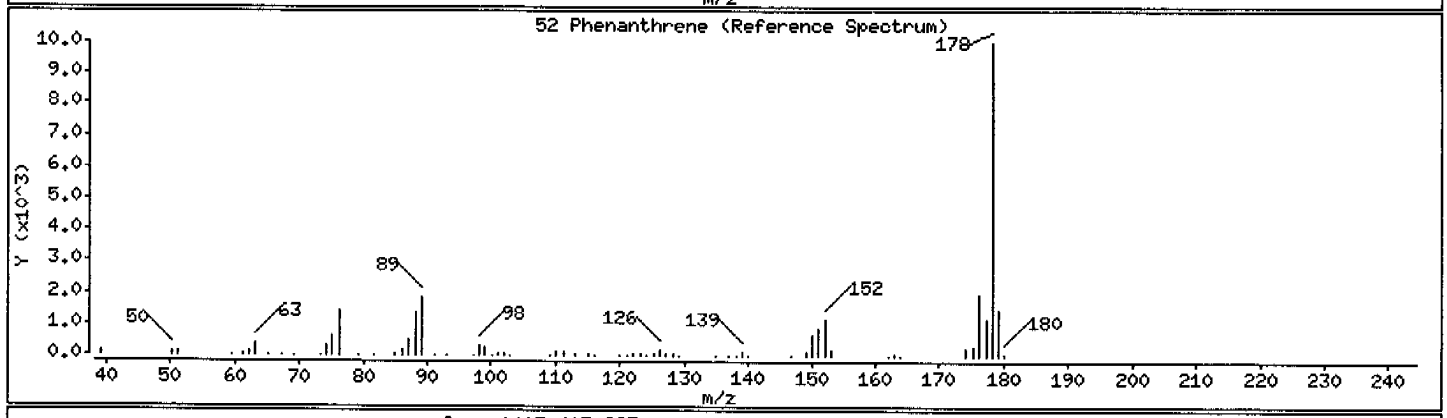
Operator: BNAMS 4

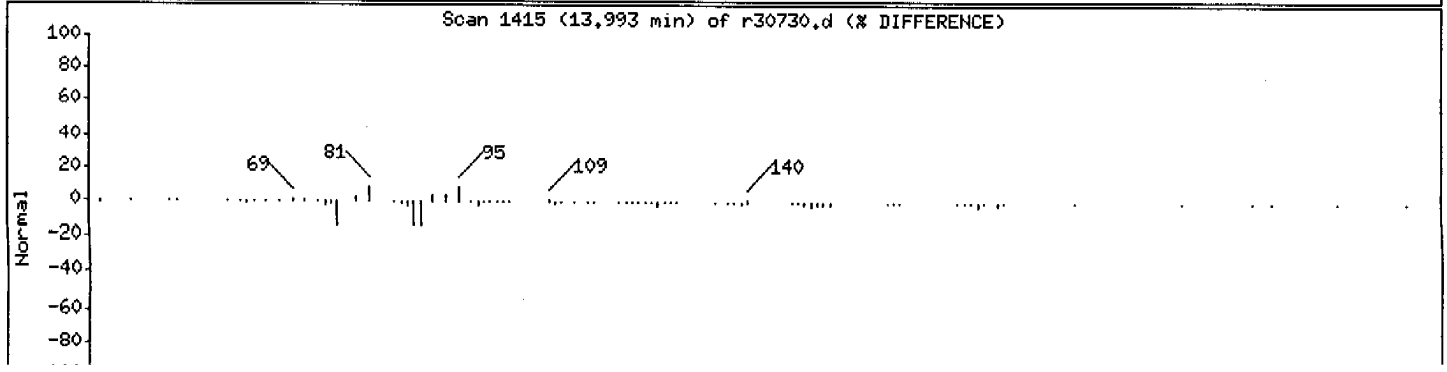
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 310 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

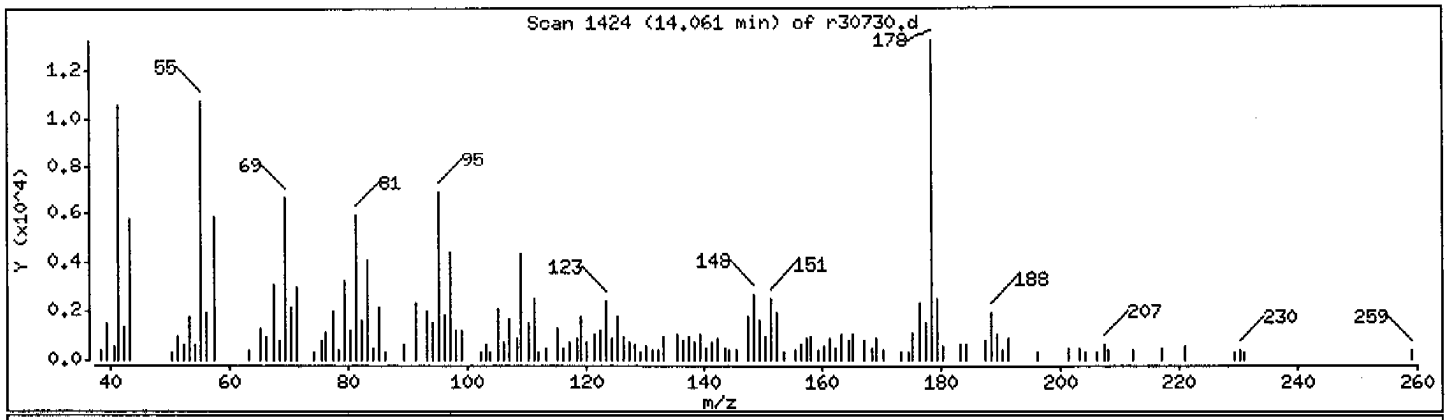
Client ID: B1406-SS02 Instrument: BNAMS1.i

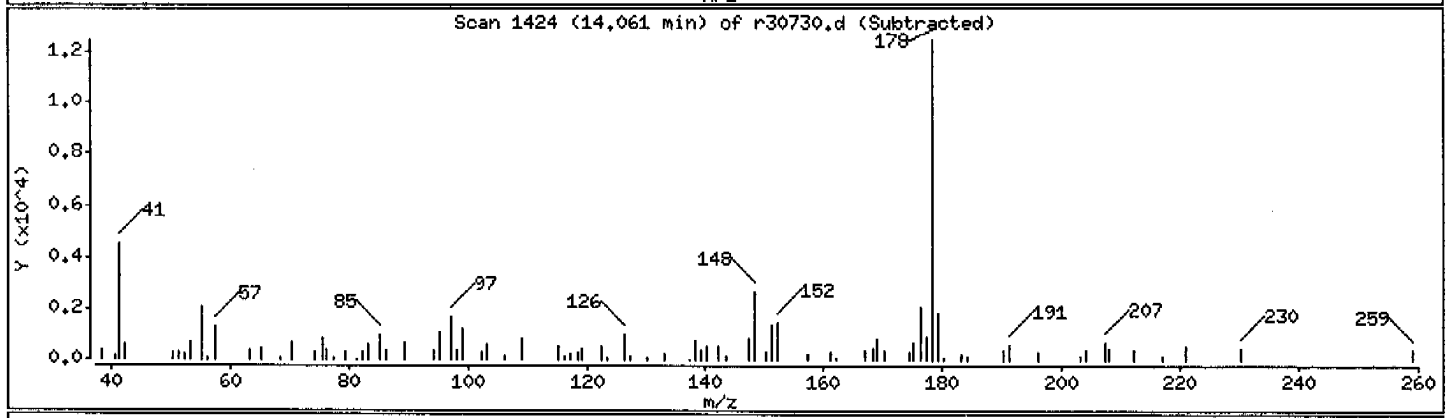
Sample Info: 775289;3281193

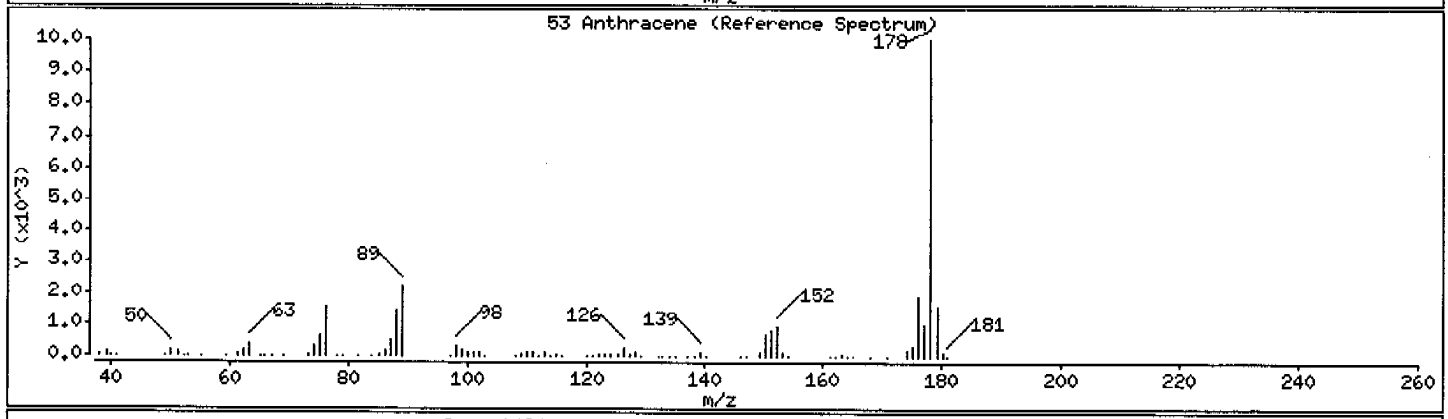
Operator: BNAMS 4

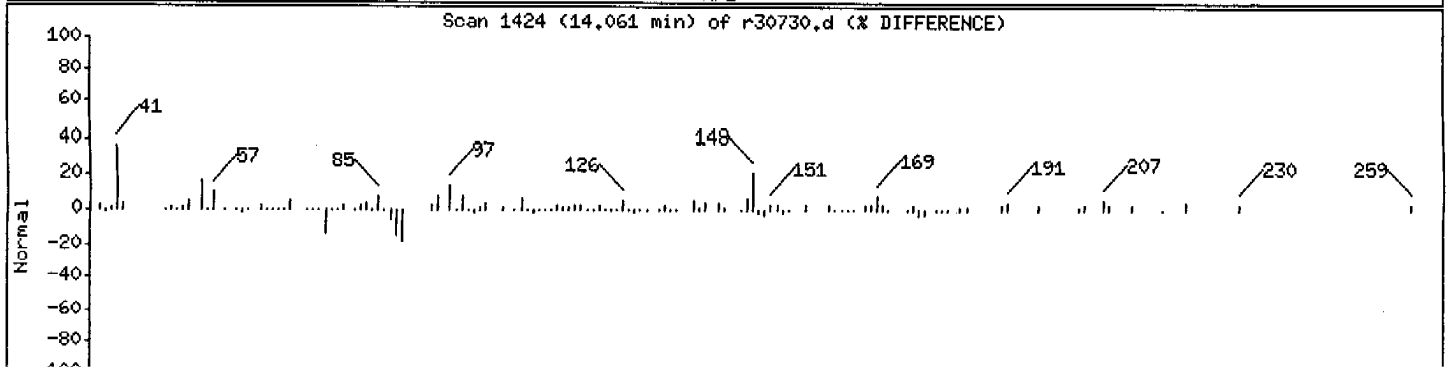
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 83 ug/Kg









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Date : 09-OCT-2006 14:59

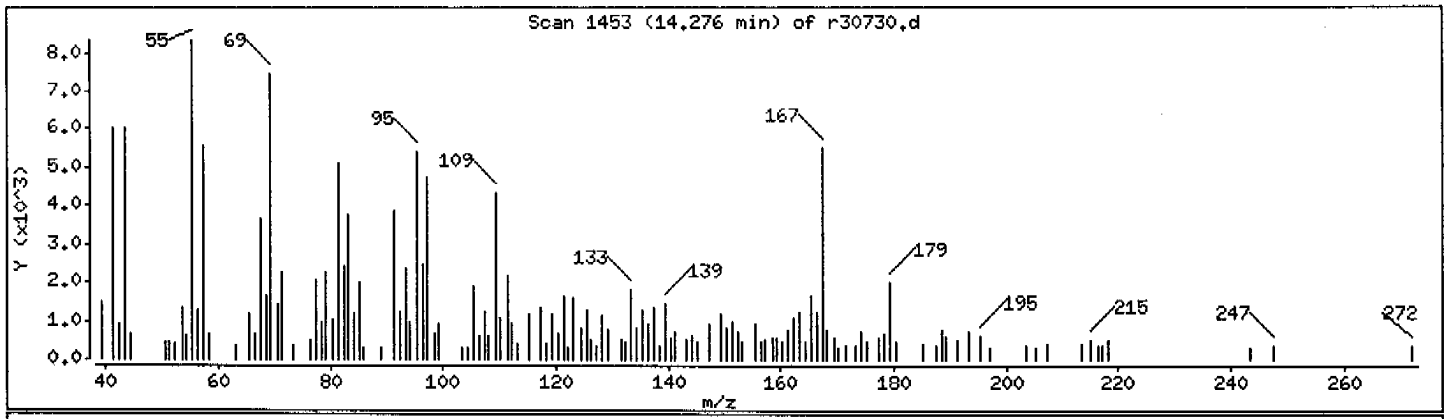
Client ID: B1406-SS02 Instrument: BNAMS1.i

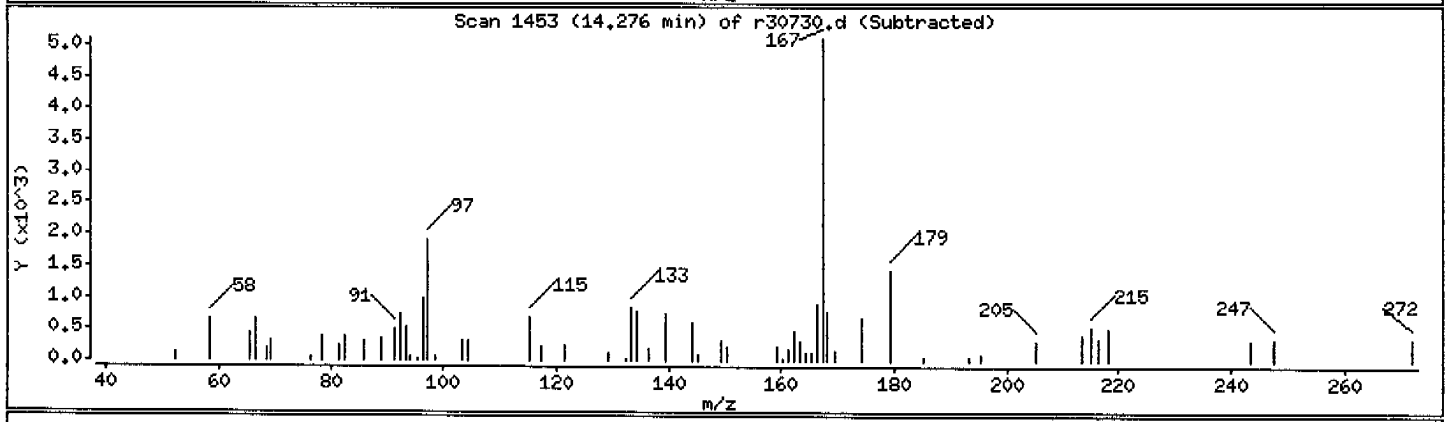
Sample Info: 775289;3281193

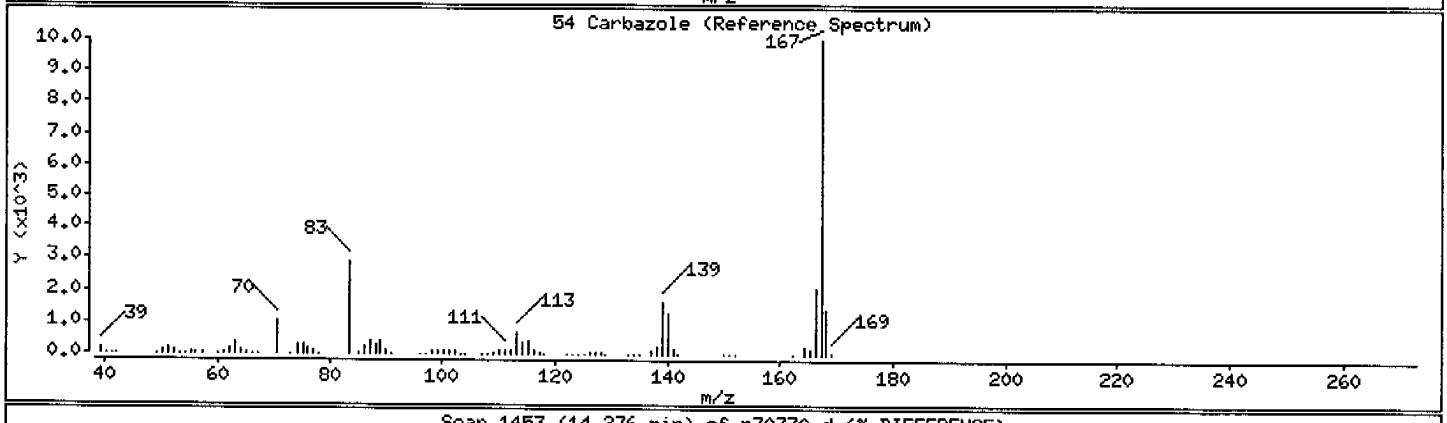
Operator: BNAMS 4

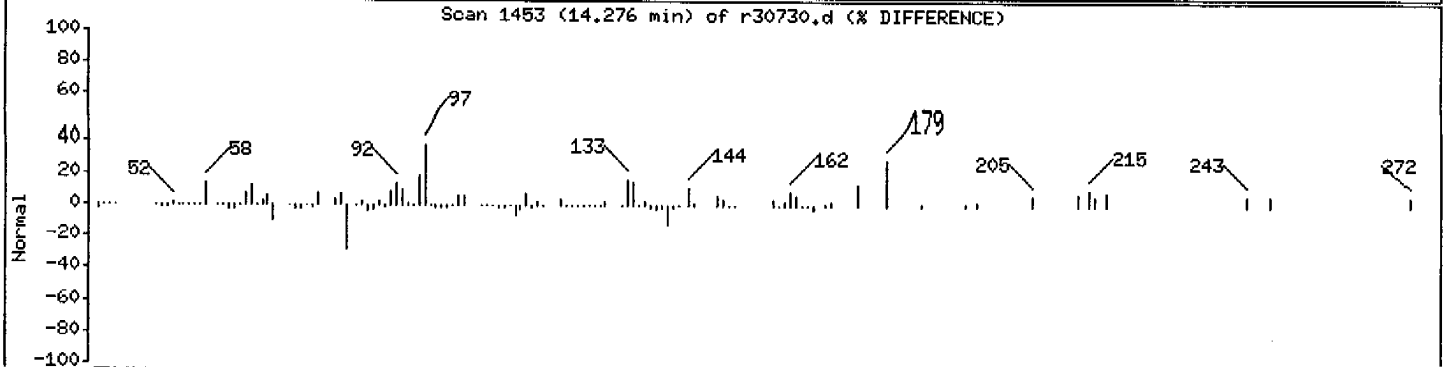
Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 44 ug/Kg









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Date : 09-OCT-2006 14:59

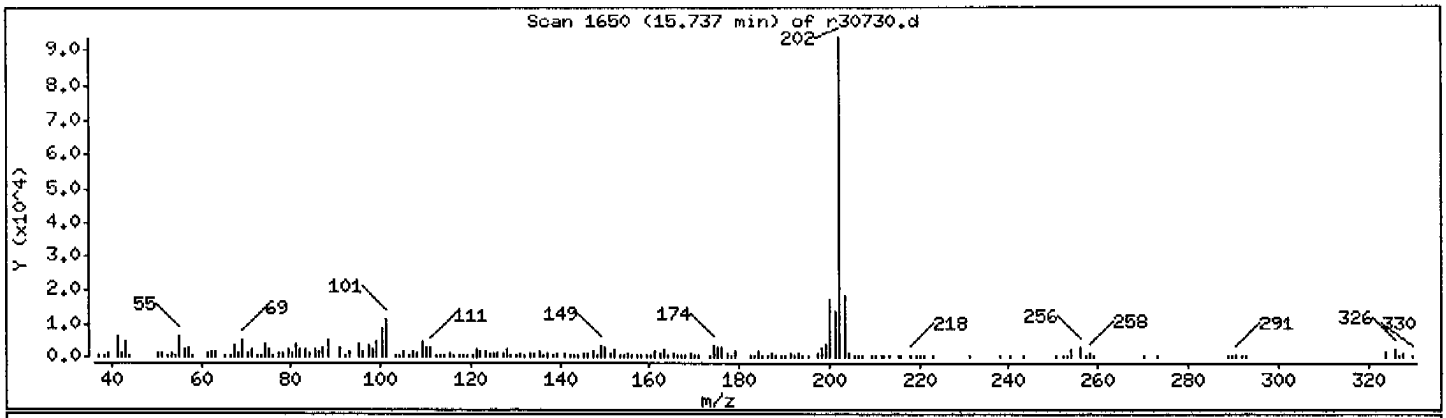
Client ID: B1406-SS02 Instrument: BNAMS1.i

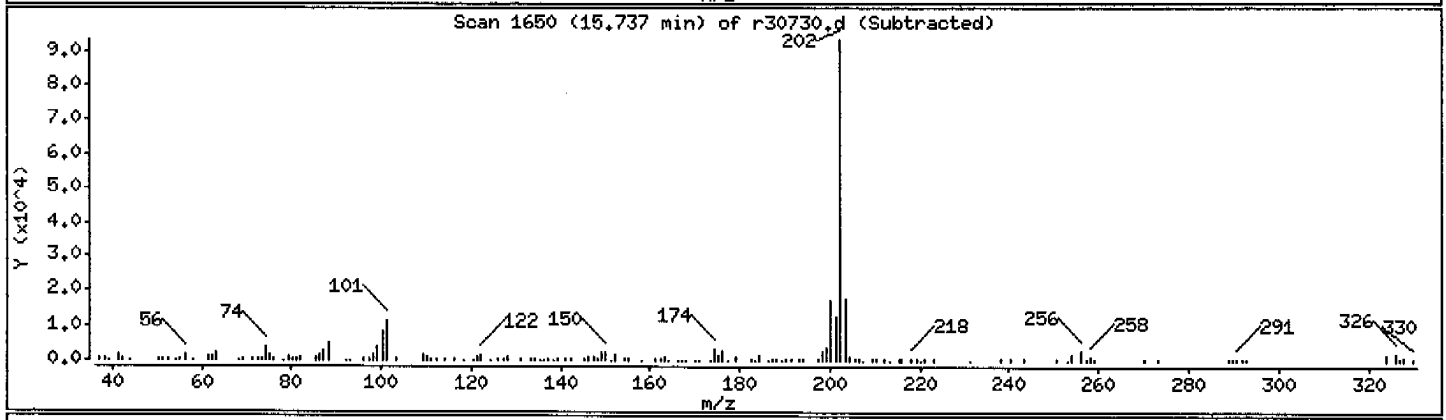
Sample Info: 775289;3281193

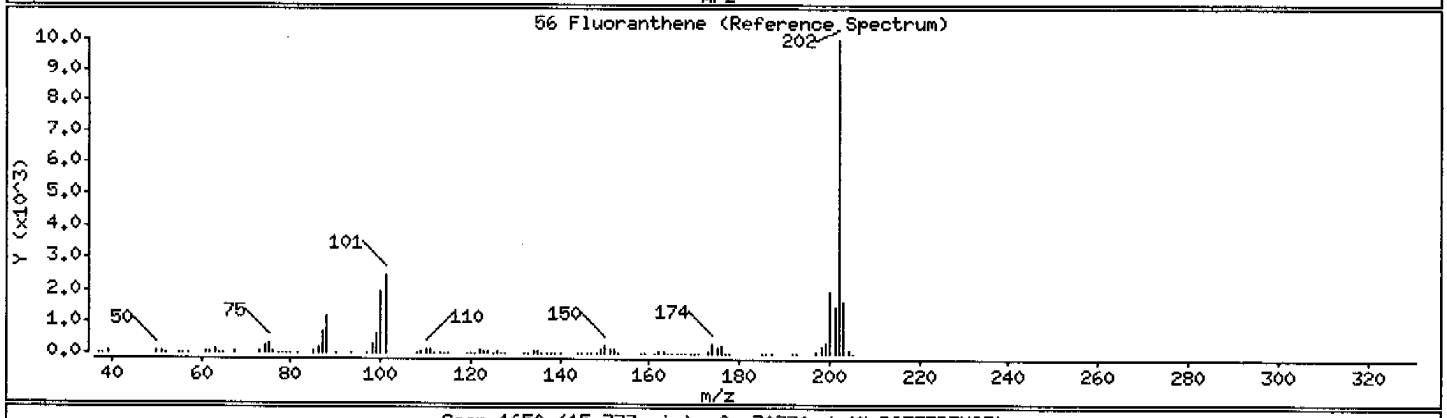
Operator: BNAMS 4

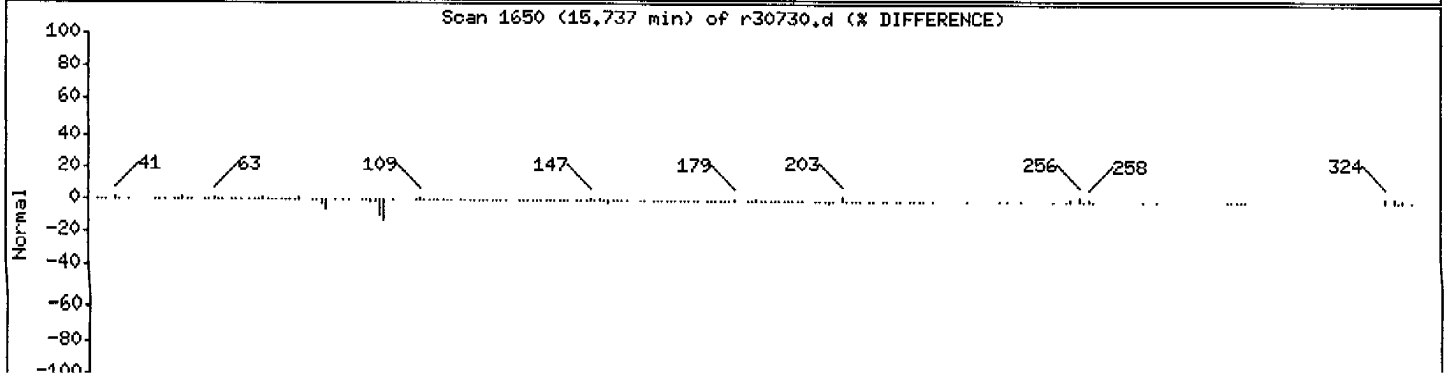
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 580 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

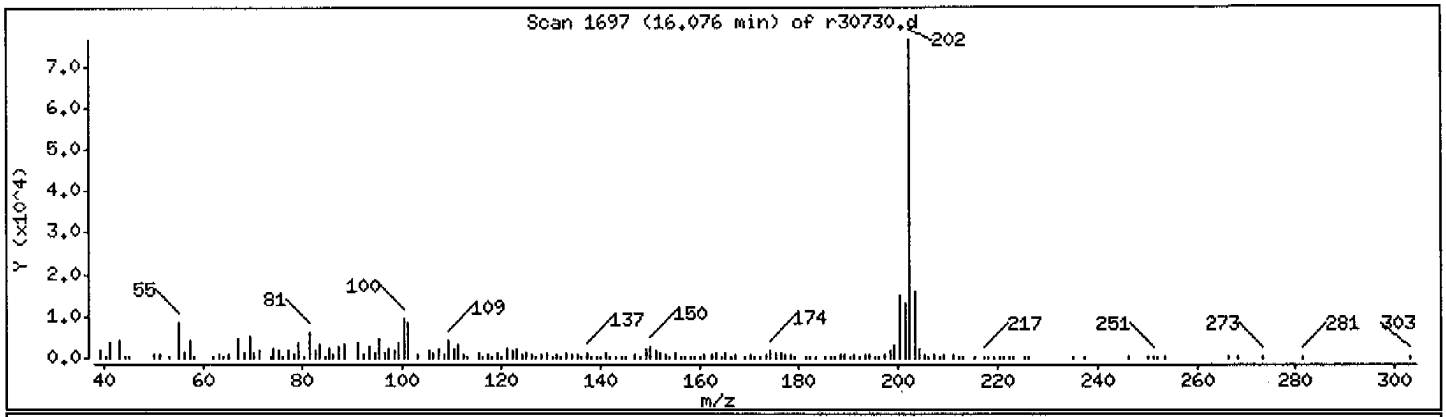
Client ID: B1406-SS02 Instrument: BNAMS1.i

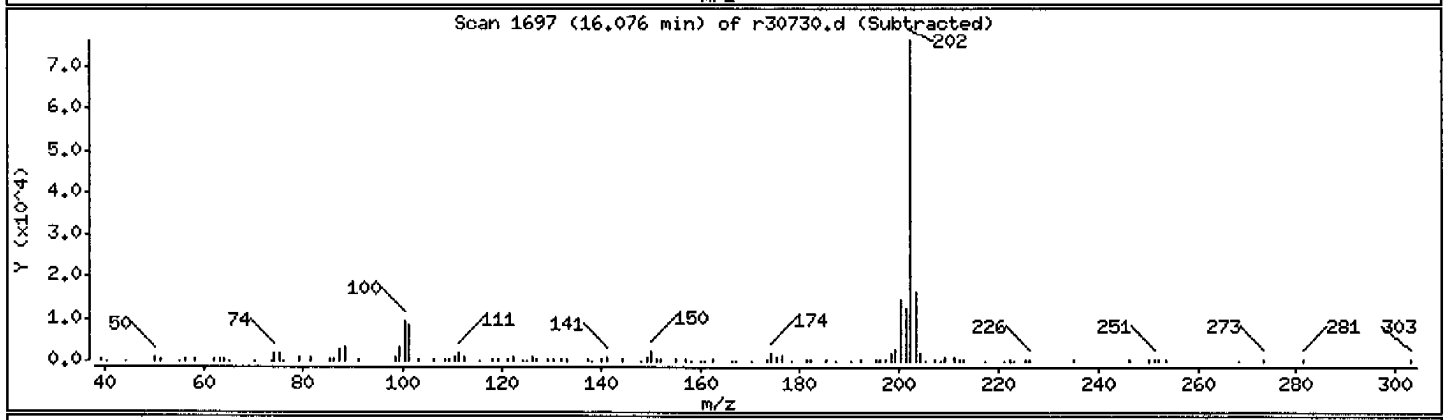
Sample Info: 775289;3281193

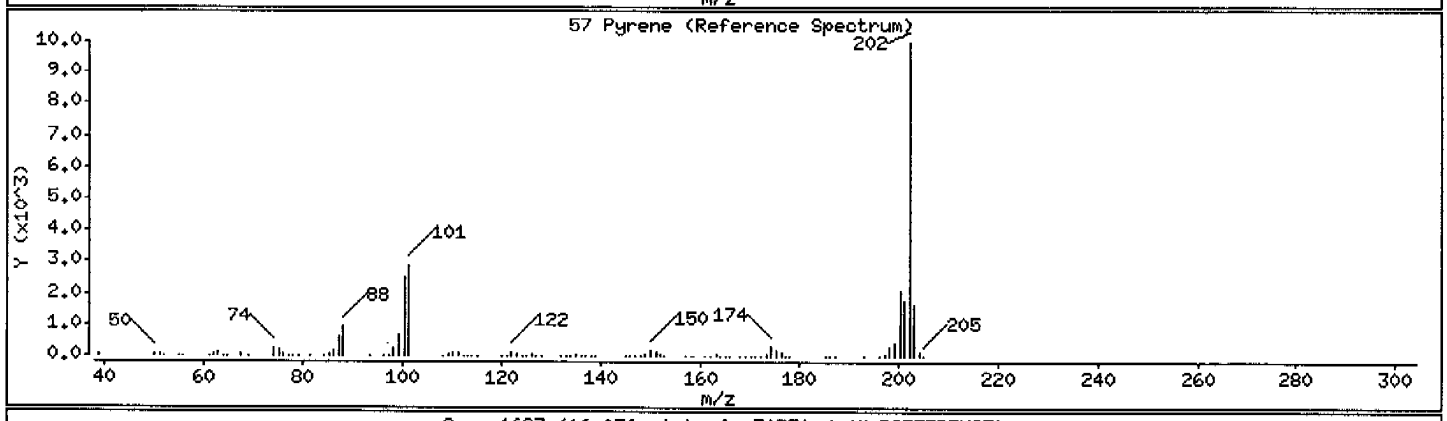
Operator: BNAMS 4

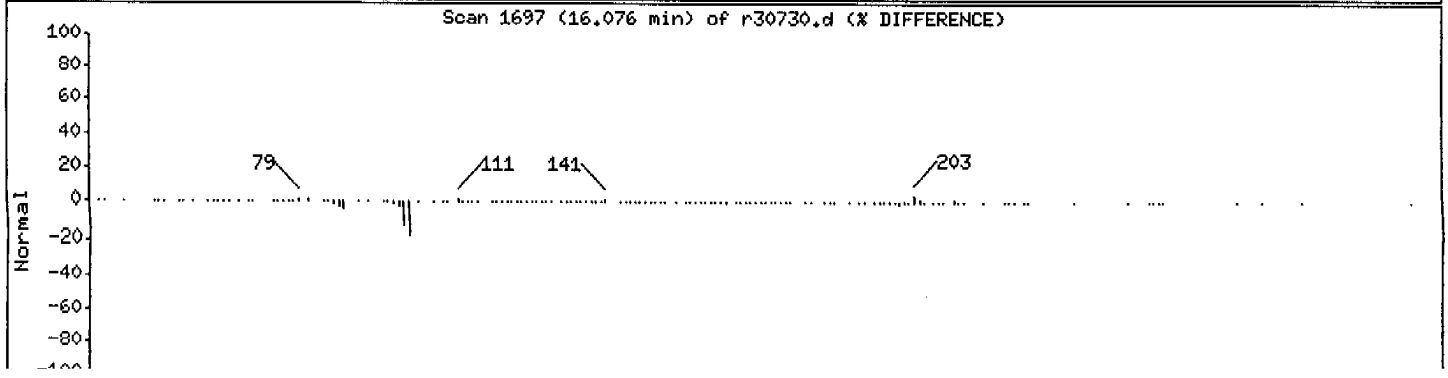
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 570 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

Client ID: B1406-SS02

Instrument: BNAMS1.i

Sample Info: 775289;3281193

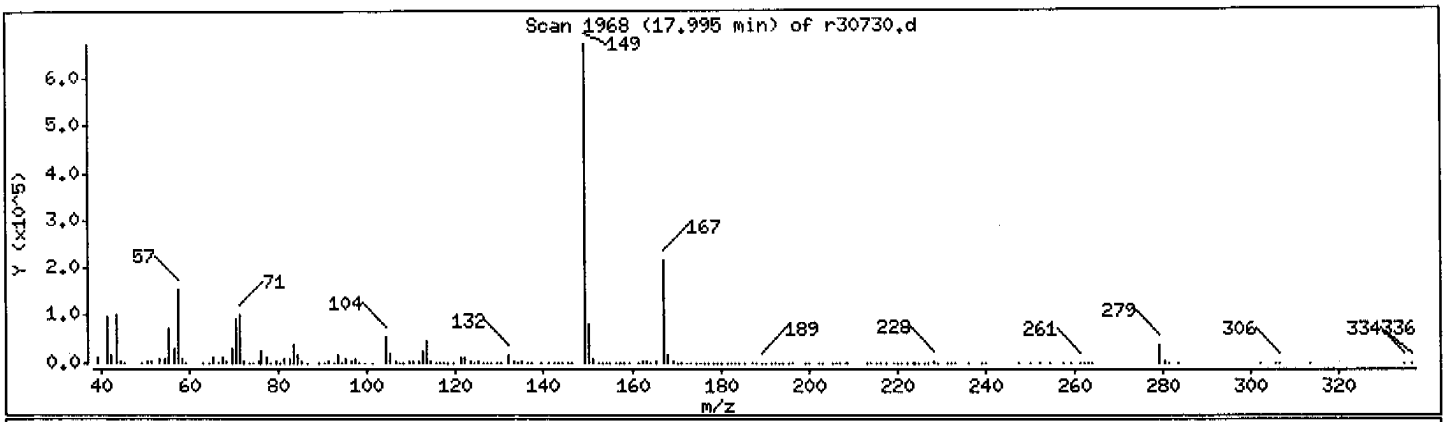
Operator: BNAMS 4

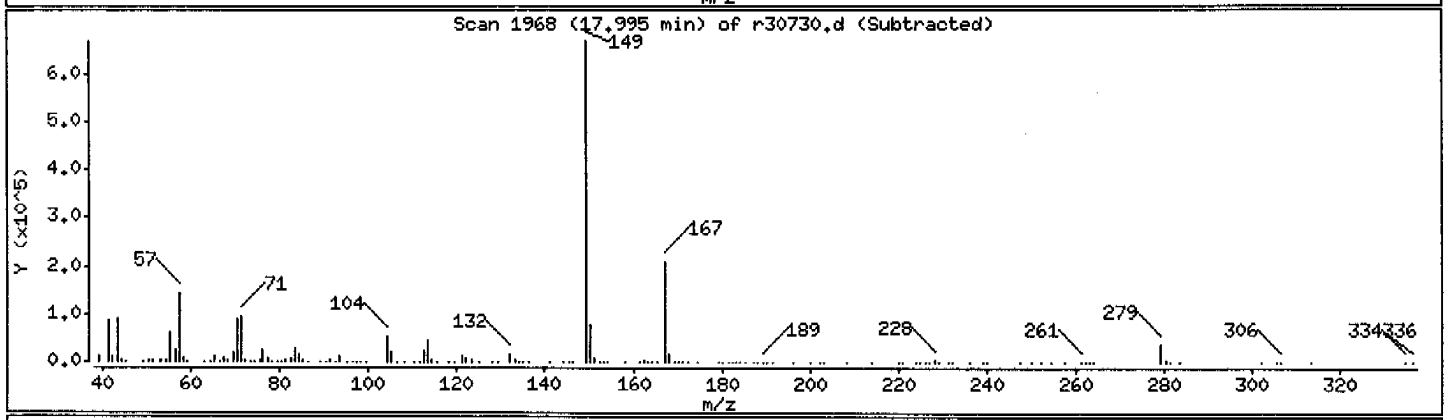
Column phase: DB-5

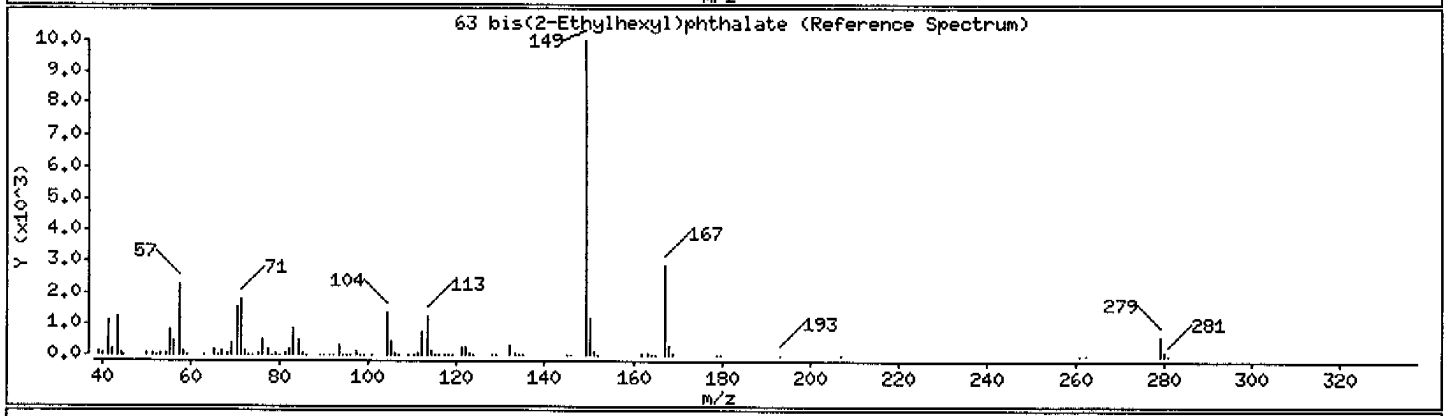
Column diameter: 0.25

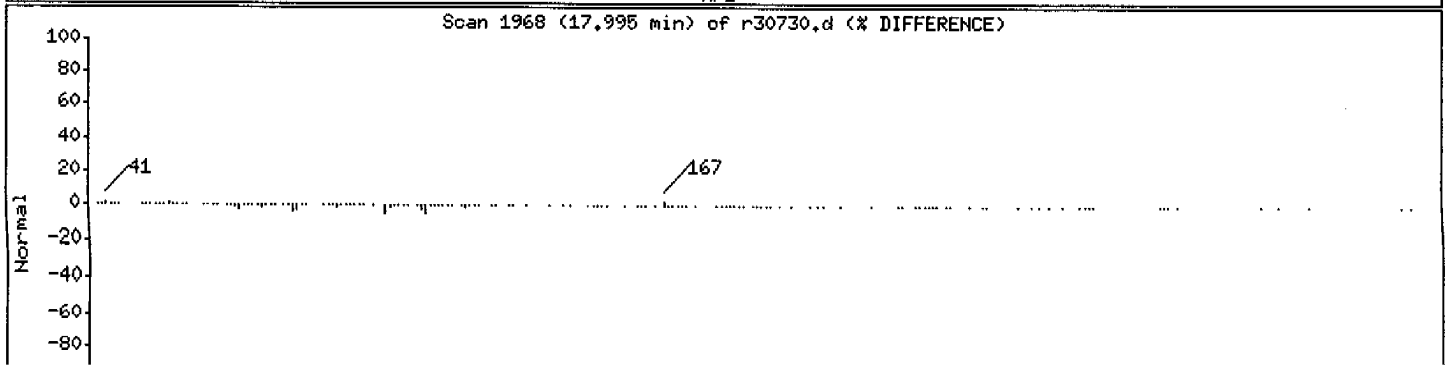
63 bis(2-Ethylhexyl)phthalate

Concentration: 7800 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

Client ID: B1406-SS02

Instrument: BNAMS1.i

Sample Info: 775289;3281193

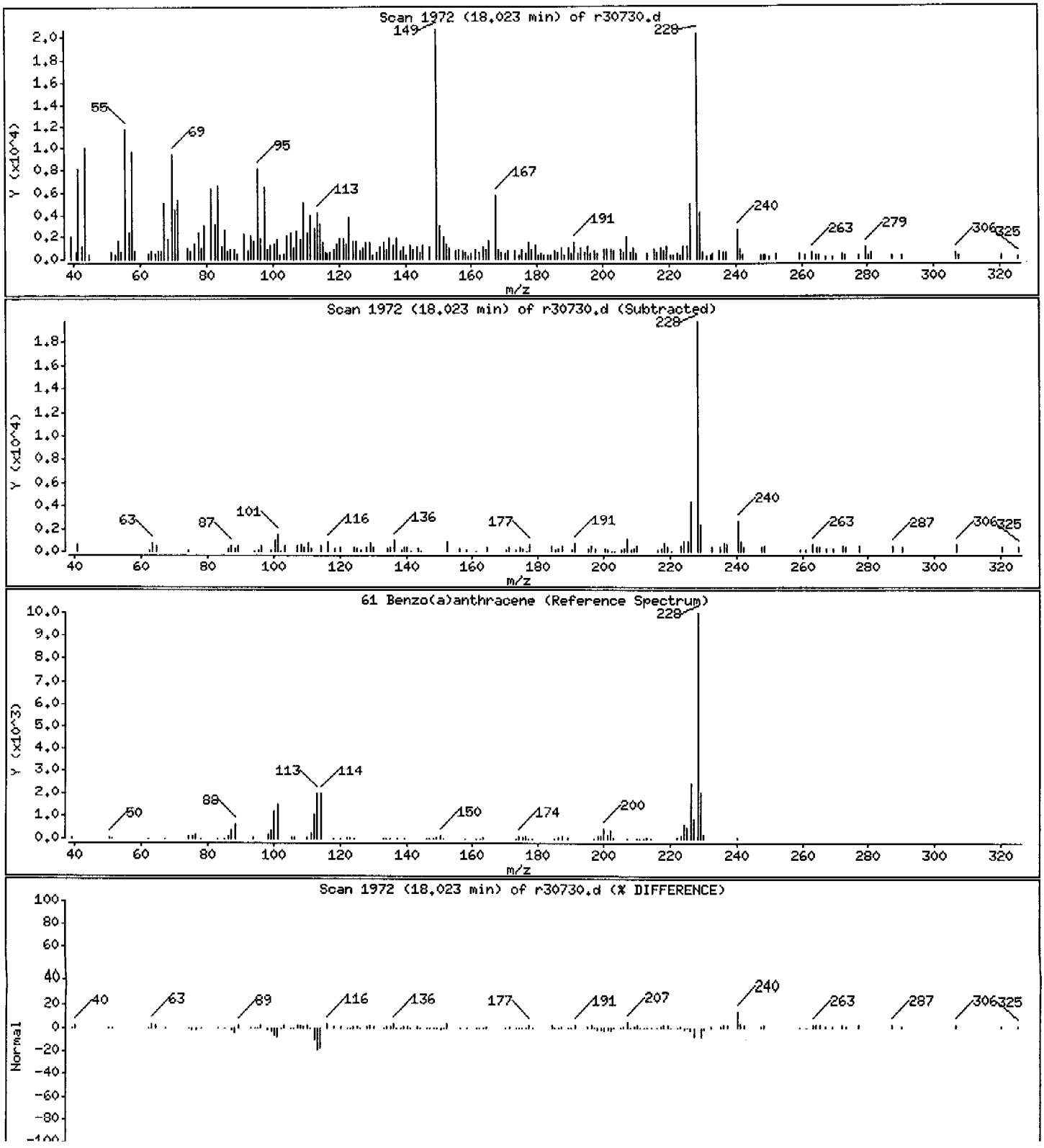
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 290 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

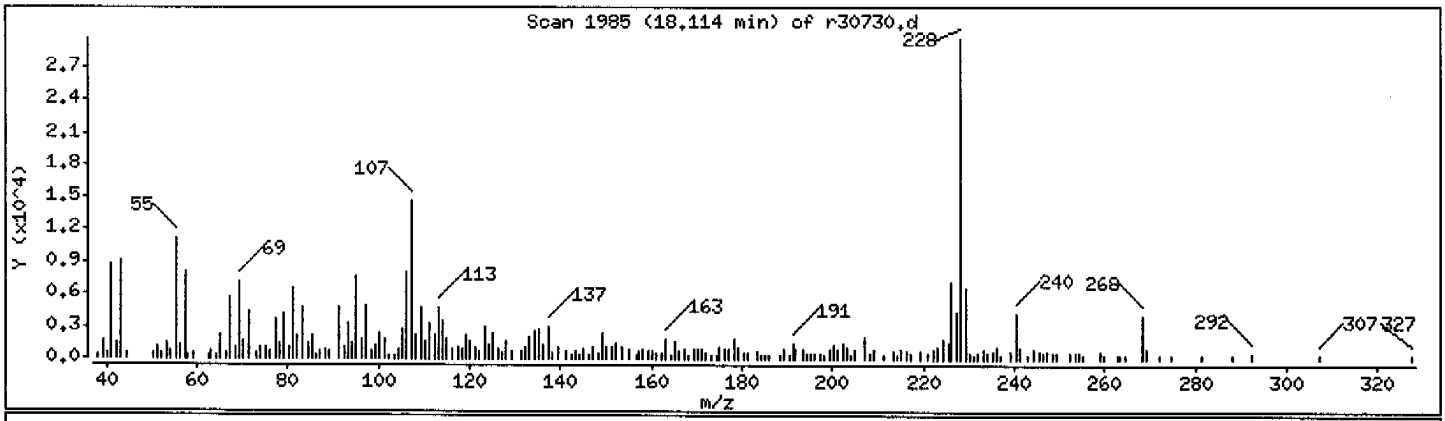
Client ID: B1406-SS02 Instrument: BNAMS1.i

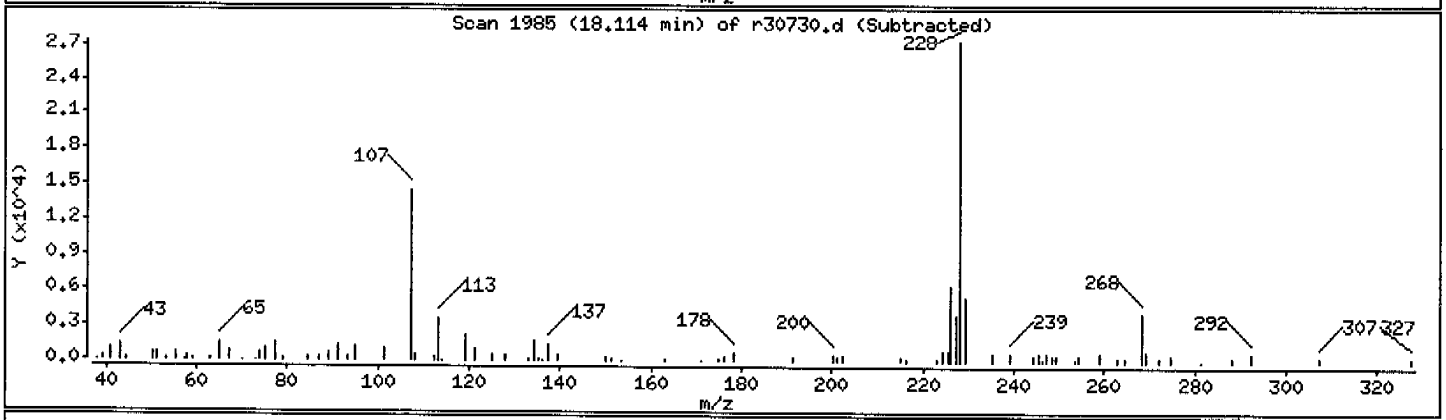
Sample Info: 775289;3281193

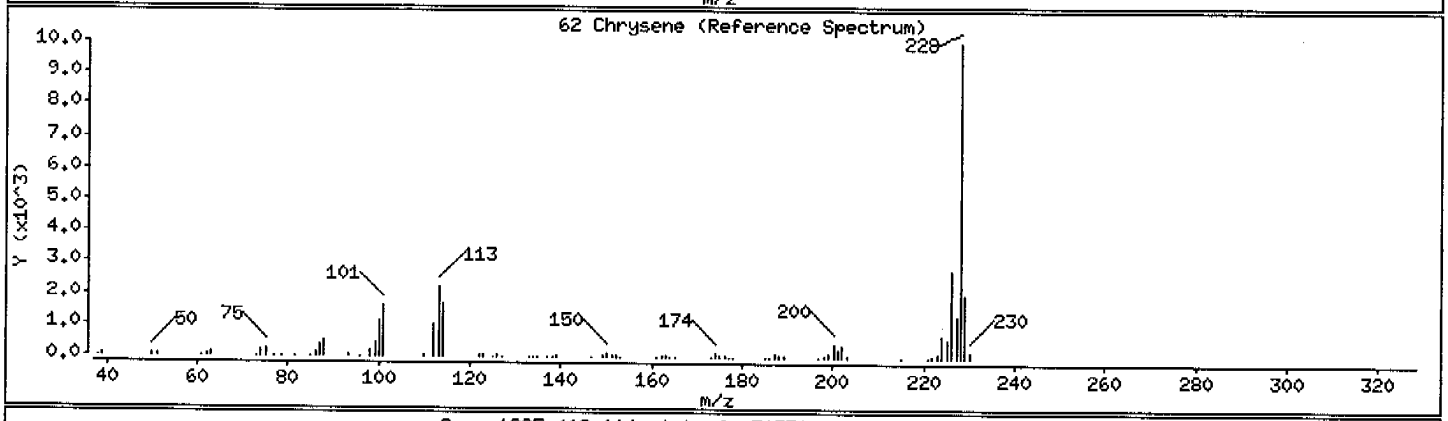
Operator: BNAMS 4

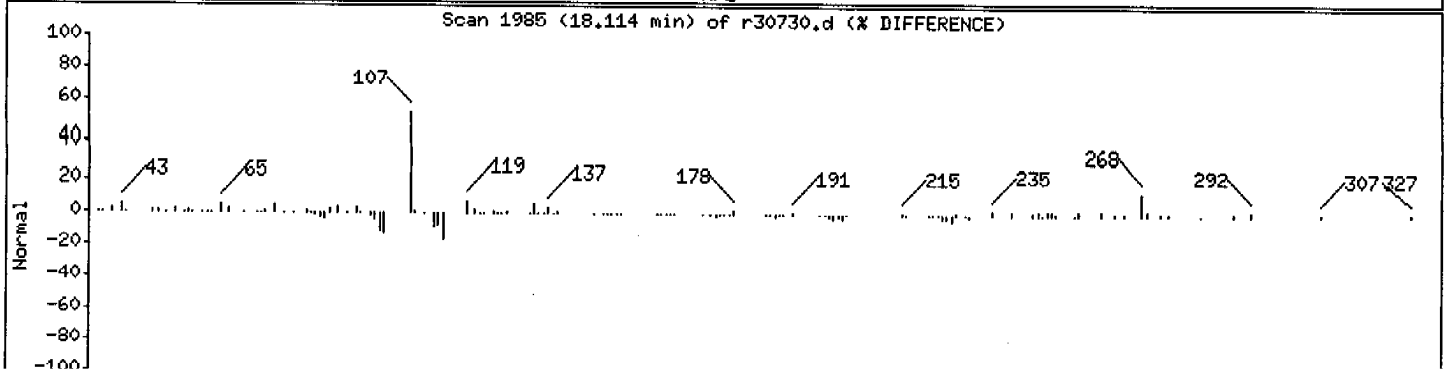
Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 380 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

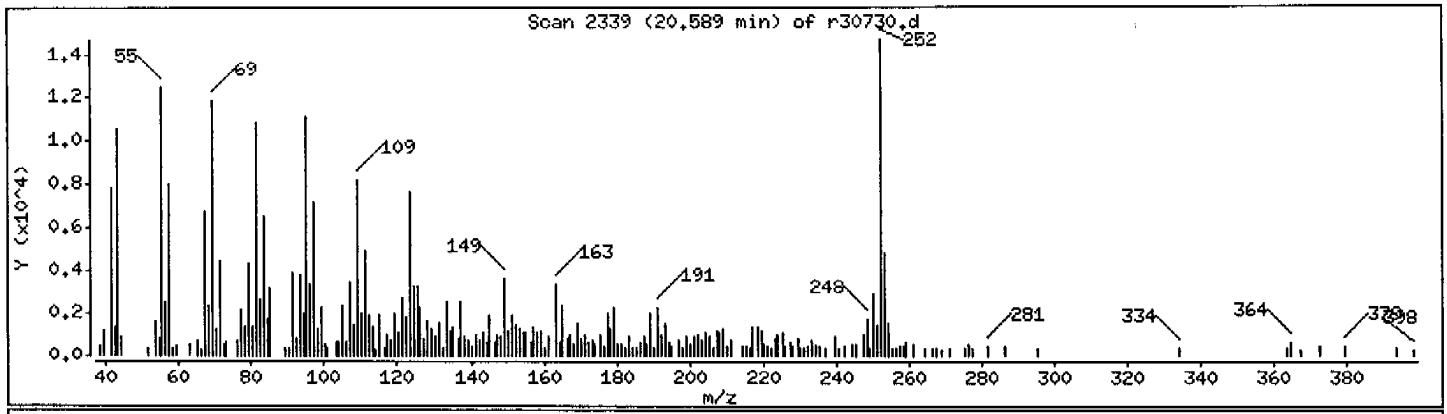
Client ID: B1406-SS02 Instrument: BNAMS1.i

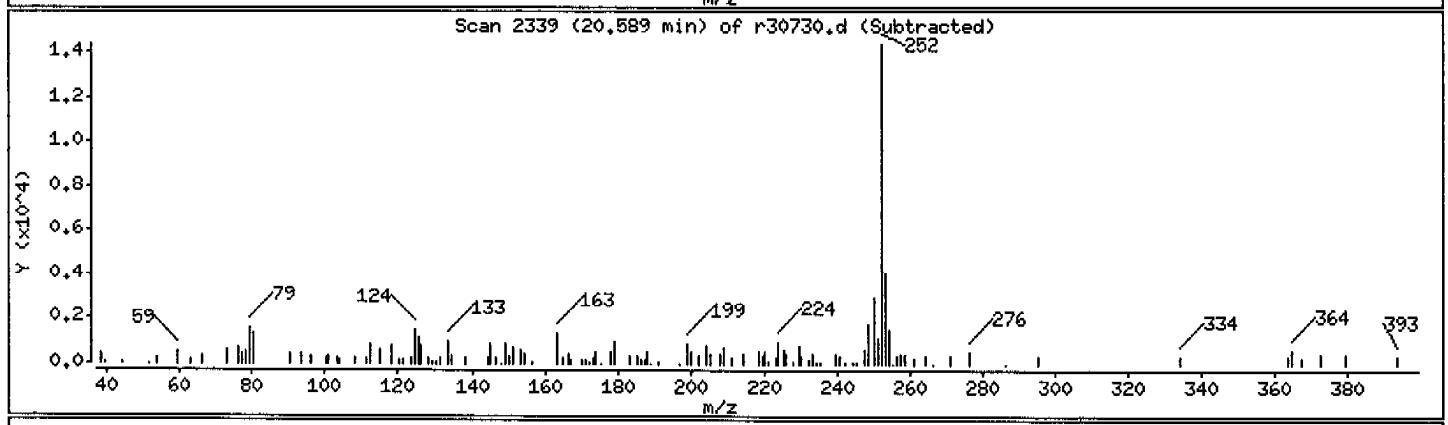
Sample Info: 775289;3281193

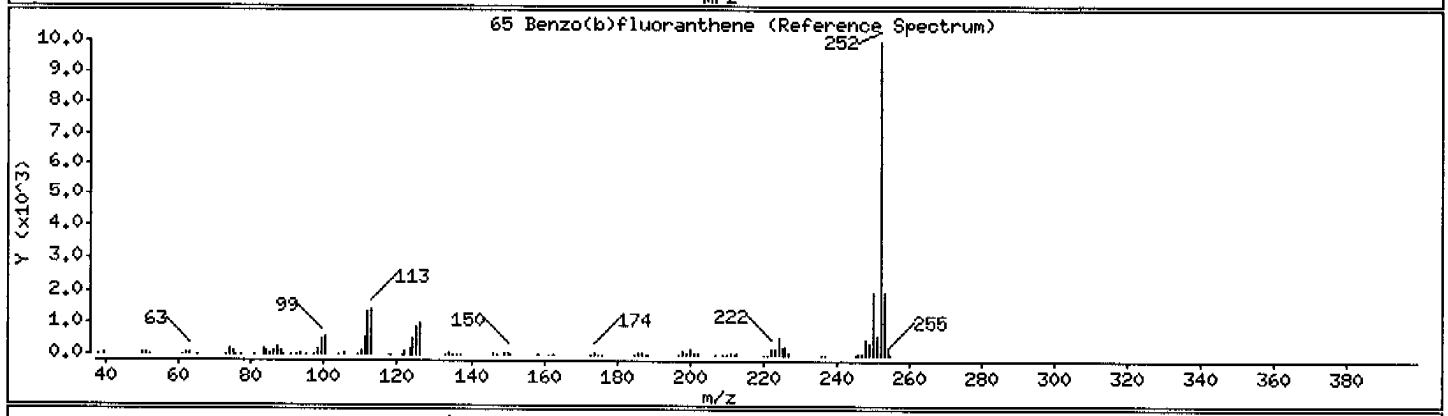
Operator: BNAMS 4

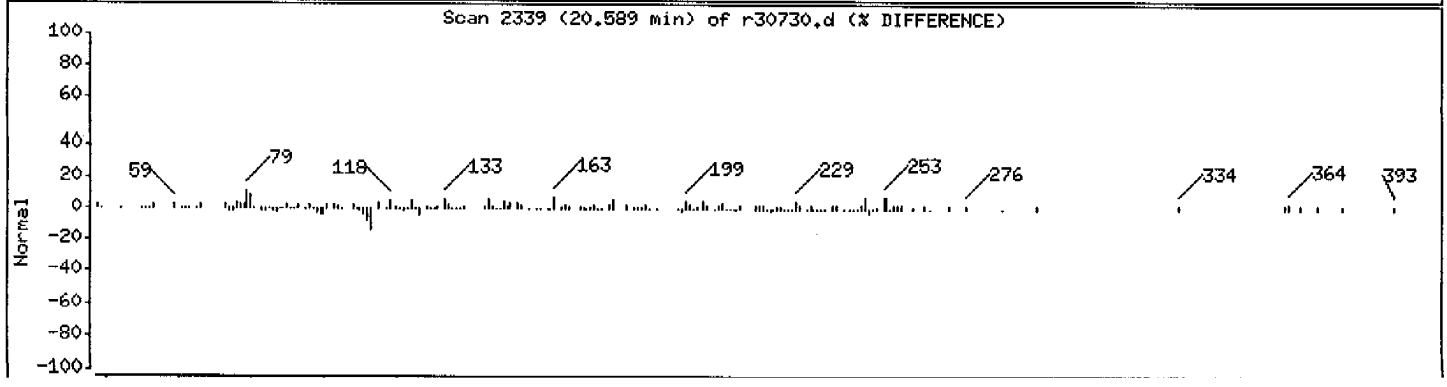
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 340 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

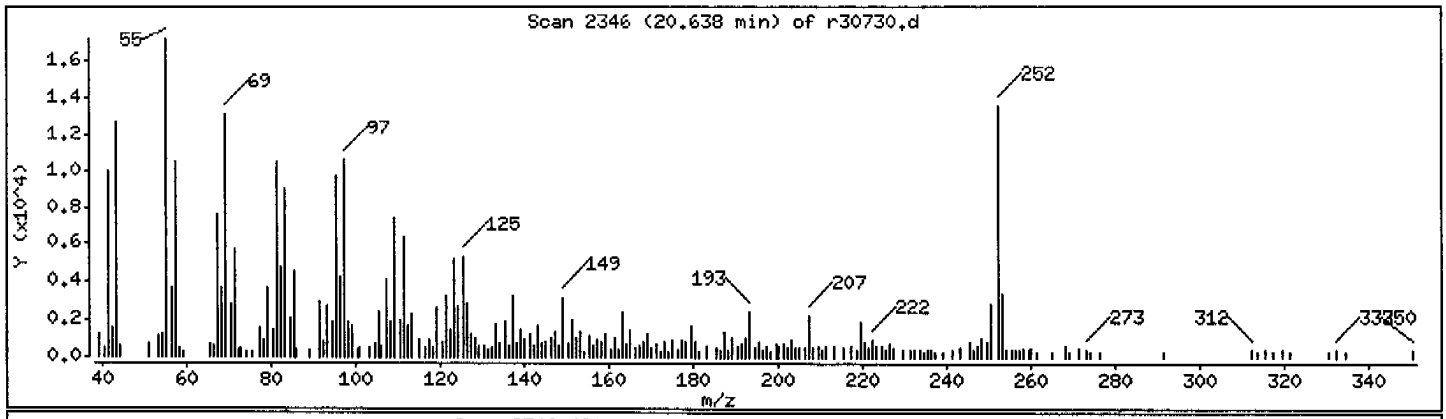
Client ID: B1406-SS02 Instrument: BNAMS1.i

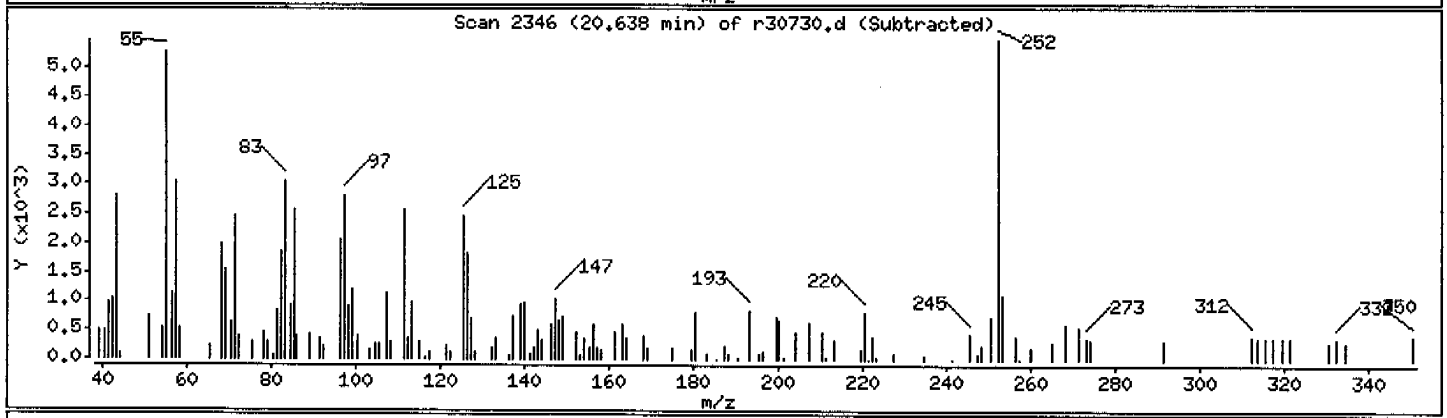
Sample Info: 775289;3281193

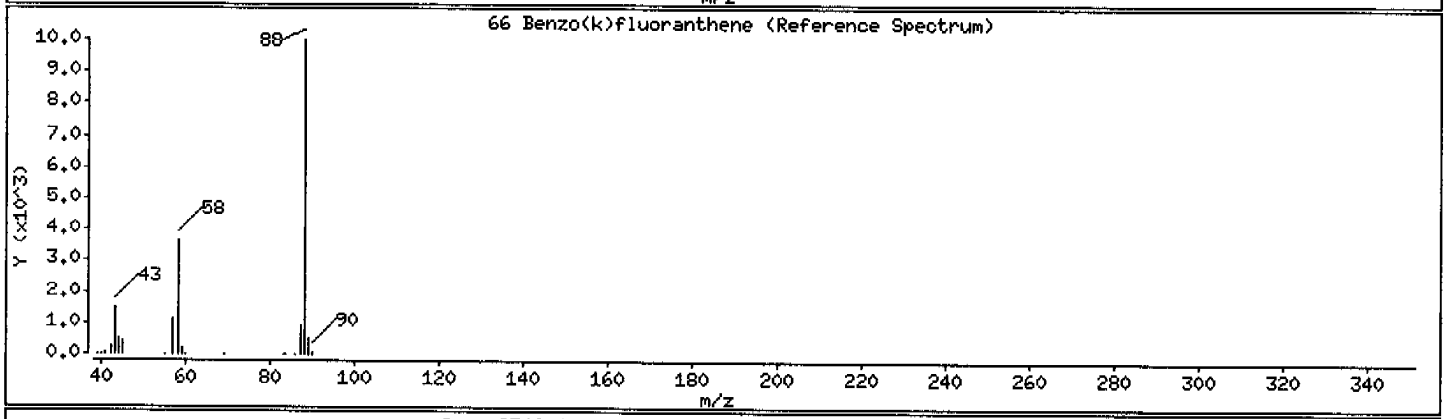
Operator: BNAMS 4

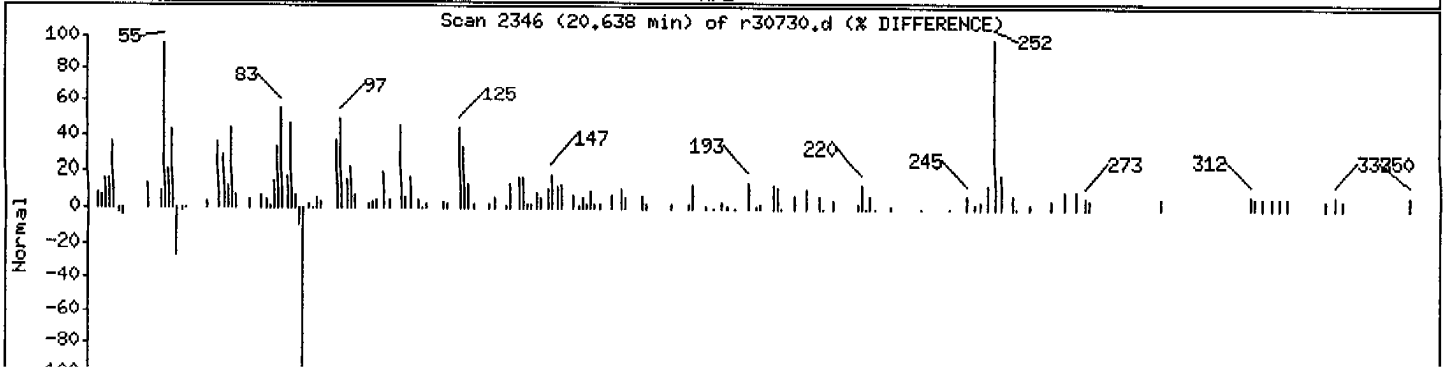
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 470 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

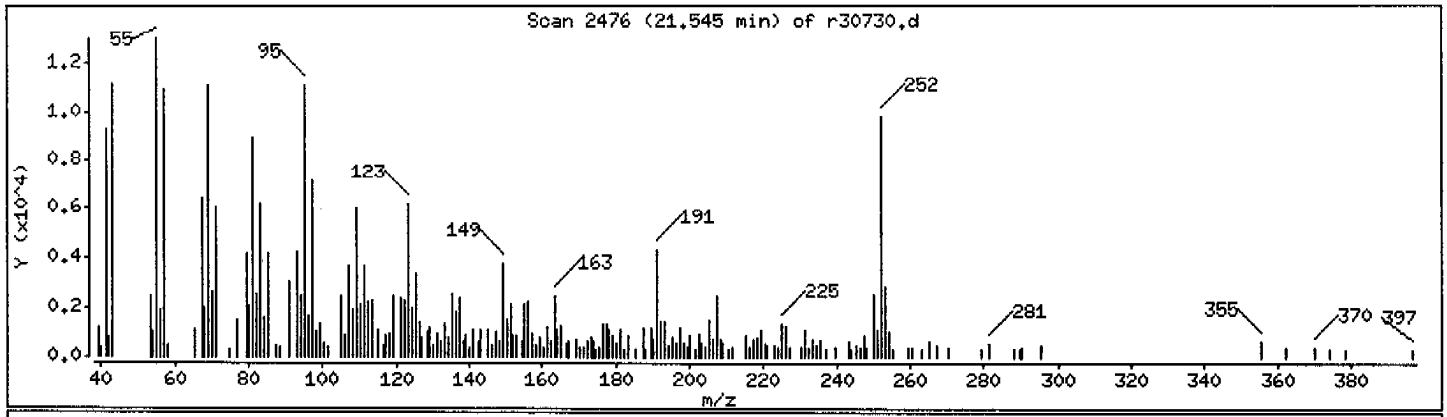
Client ID: B1406-SS02 Instrument: BNAMS1.i

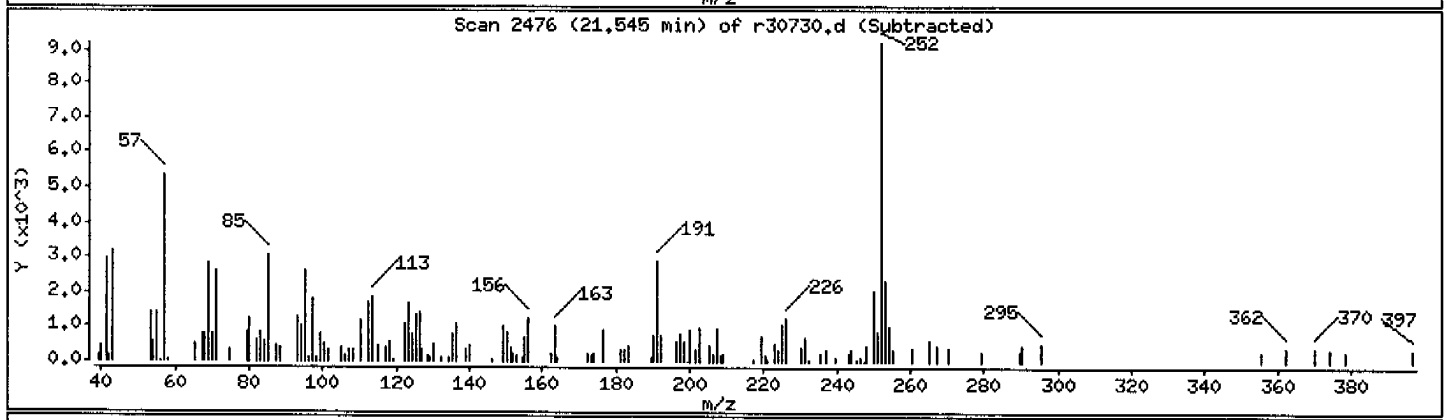
Sample Info: 775289;3281193

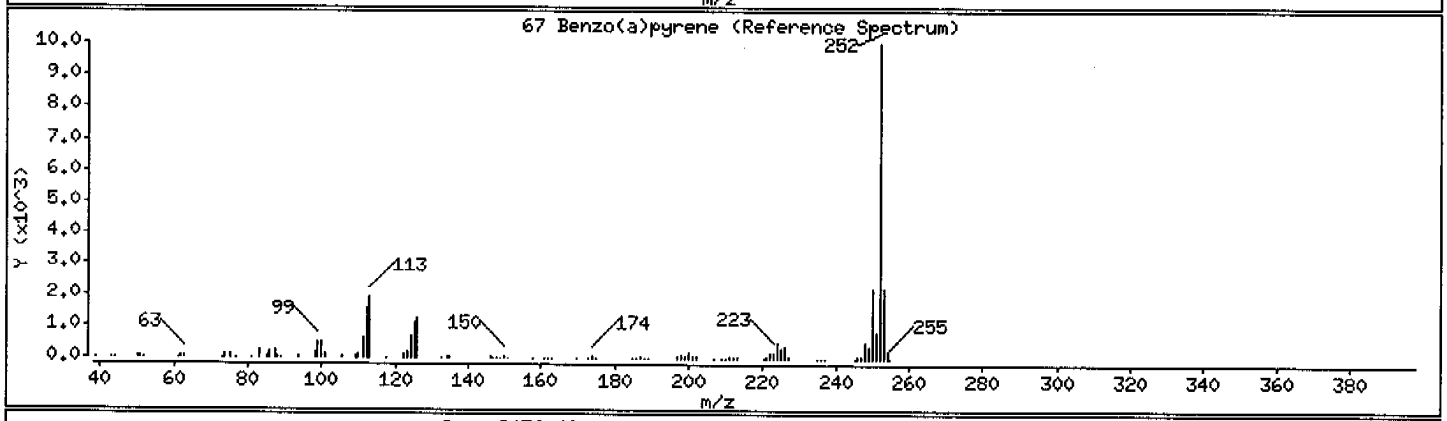
Operator: BNAMS 4

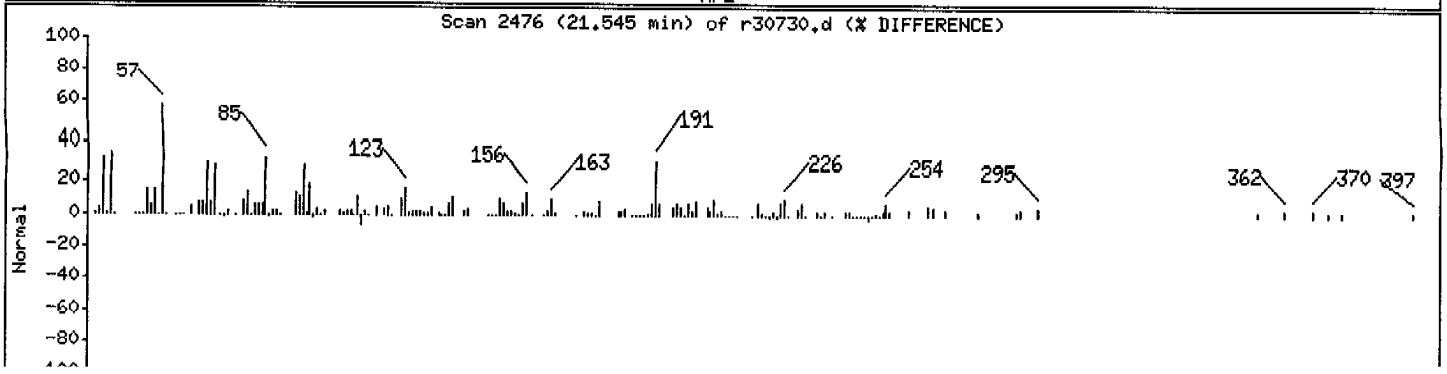
Column phase: DB-5 Column diameter: 0.25

67 Benzo(a)pyrene Concentration: 340 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

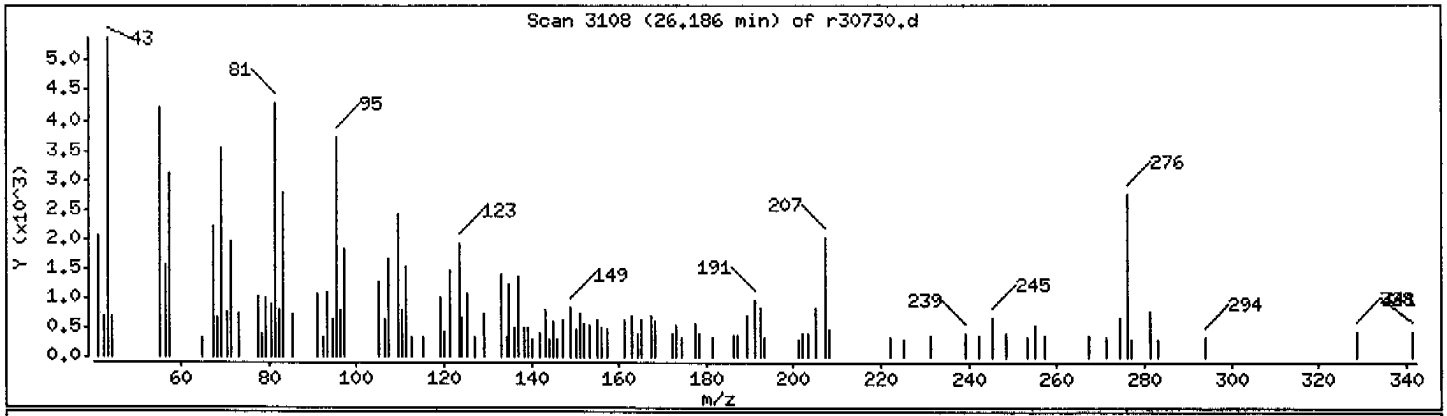
Client ID: B1406-SS02 Instrument: BNAMS1.i

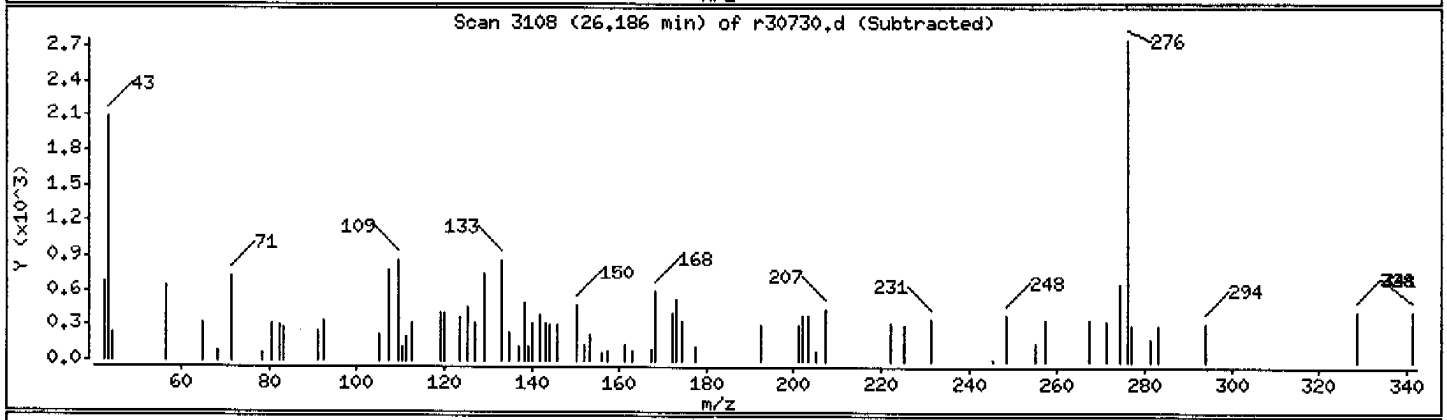
Sample Info: 775289;3281193

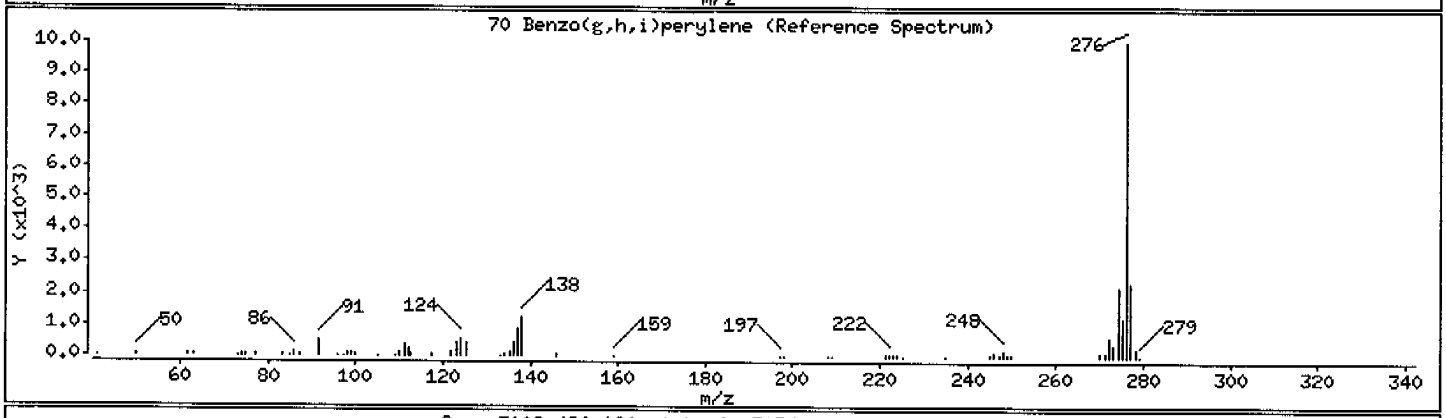
Operator: BNAMS 4

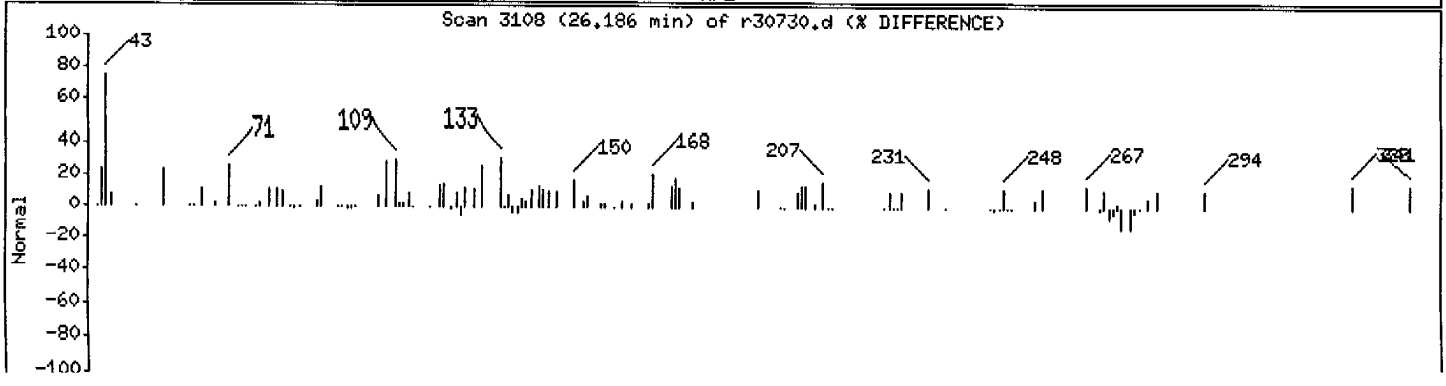
Column phase: DB-5 Column diameter: 0.25

70 Benzo(g,h,i)perylene Concentration: 100 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

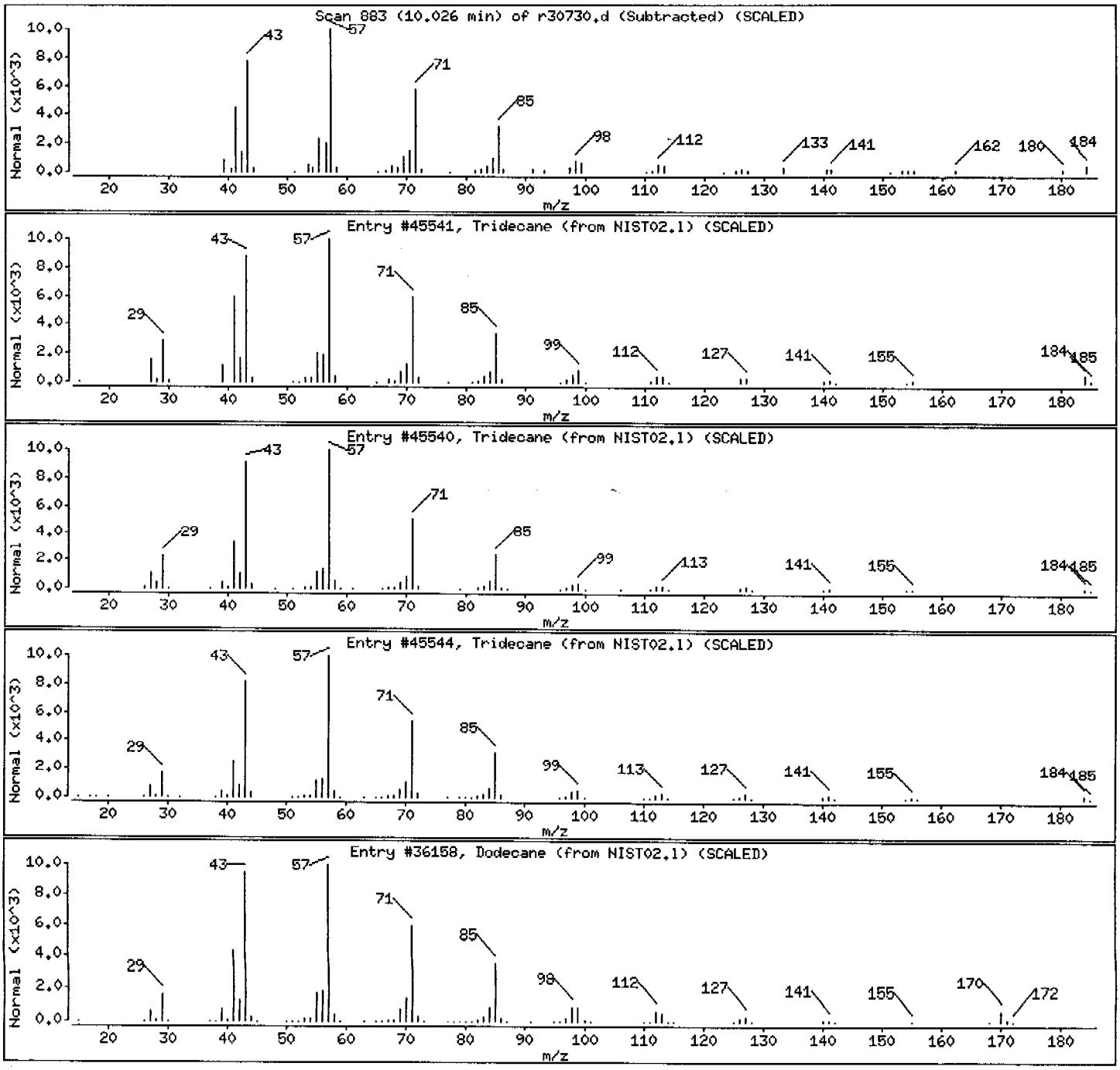
Date : 09-OCT-2006 14:59

Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	NIST02.l	45541	96	C13H28	184
Tridecane	629-50-5	NIST02.l	45540	91	C13H28	184
Tridecane	629-50-5	NIST02.l	45544	90	C13H28	184
Dodecane	112-40-3	NIST02.l	36158	90	C12H26	170



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

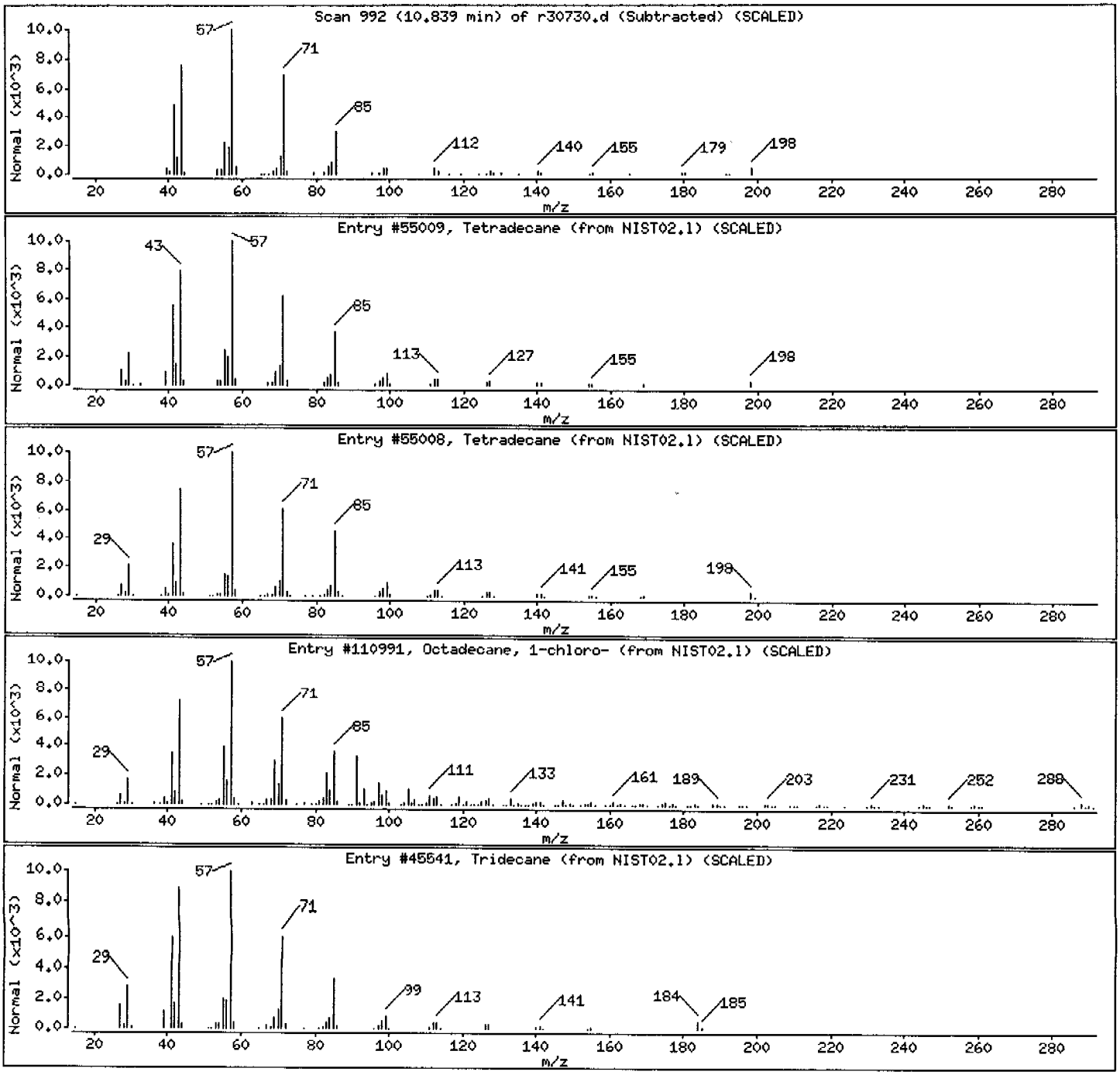
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane	629-59-4	NIST02.1	55009	94	C14H30	198
Tetradecane	629-59-4	NIST02.1	55008	87	C14H30	198
Octadecane, 1-chloro-	3386-33-2	NIST02.1	110991	78	C18H37Cl	288
Tridecane	629-50-5	NIST02.1	45541	78	C13H28	184



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

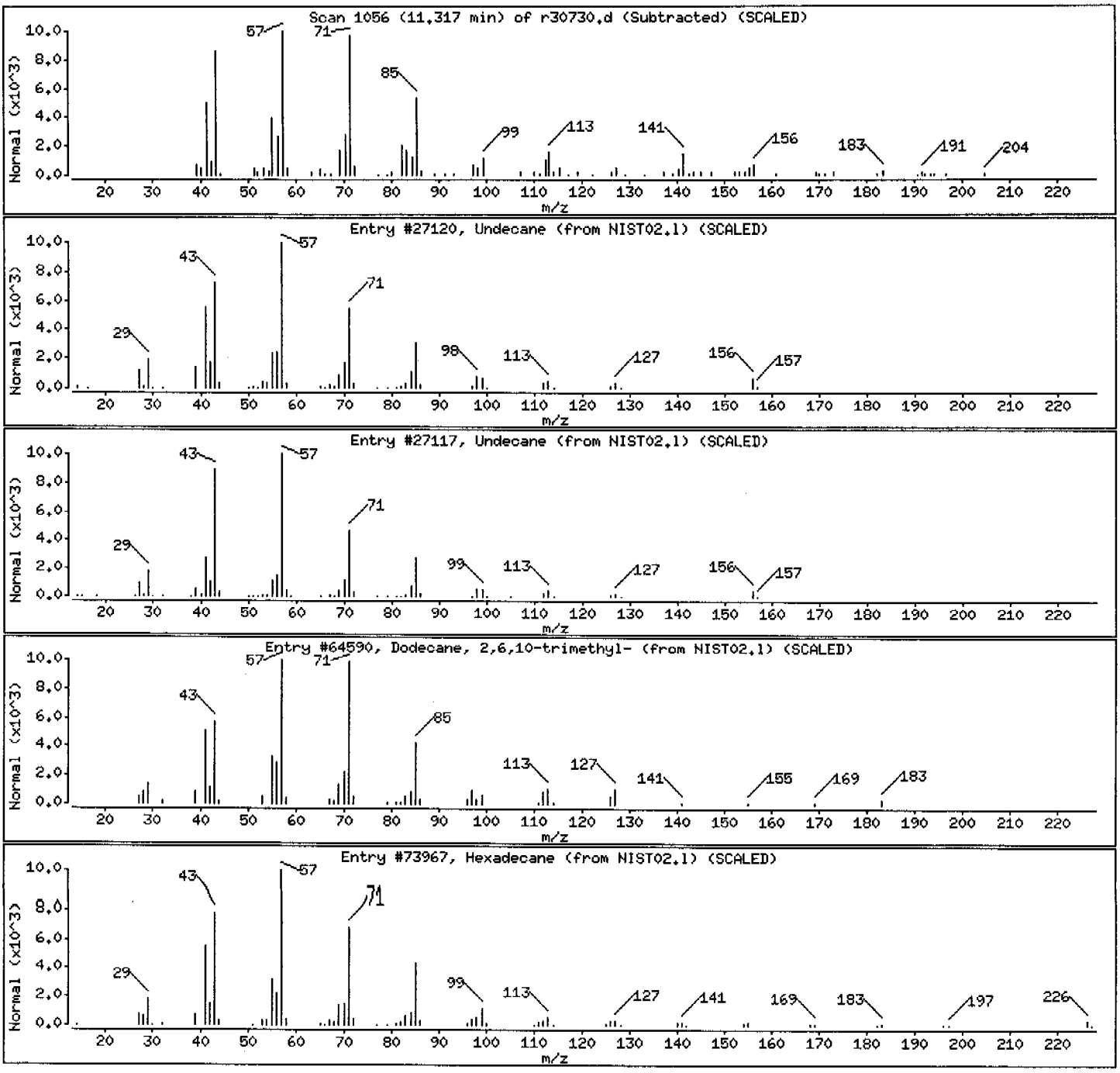
Date : 09-OCT-2006 14:59

Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane	1120-21-4	NIST02.l	27120	81	C11H24	156
Undecane	1120-21-4	NIST02.l	27117	72	C11H24	156
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	72	C15H32	212
Hexadecane	544-76-3	NIST02.l	73967	64	C16H34	226



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

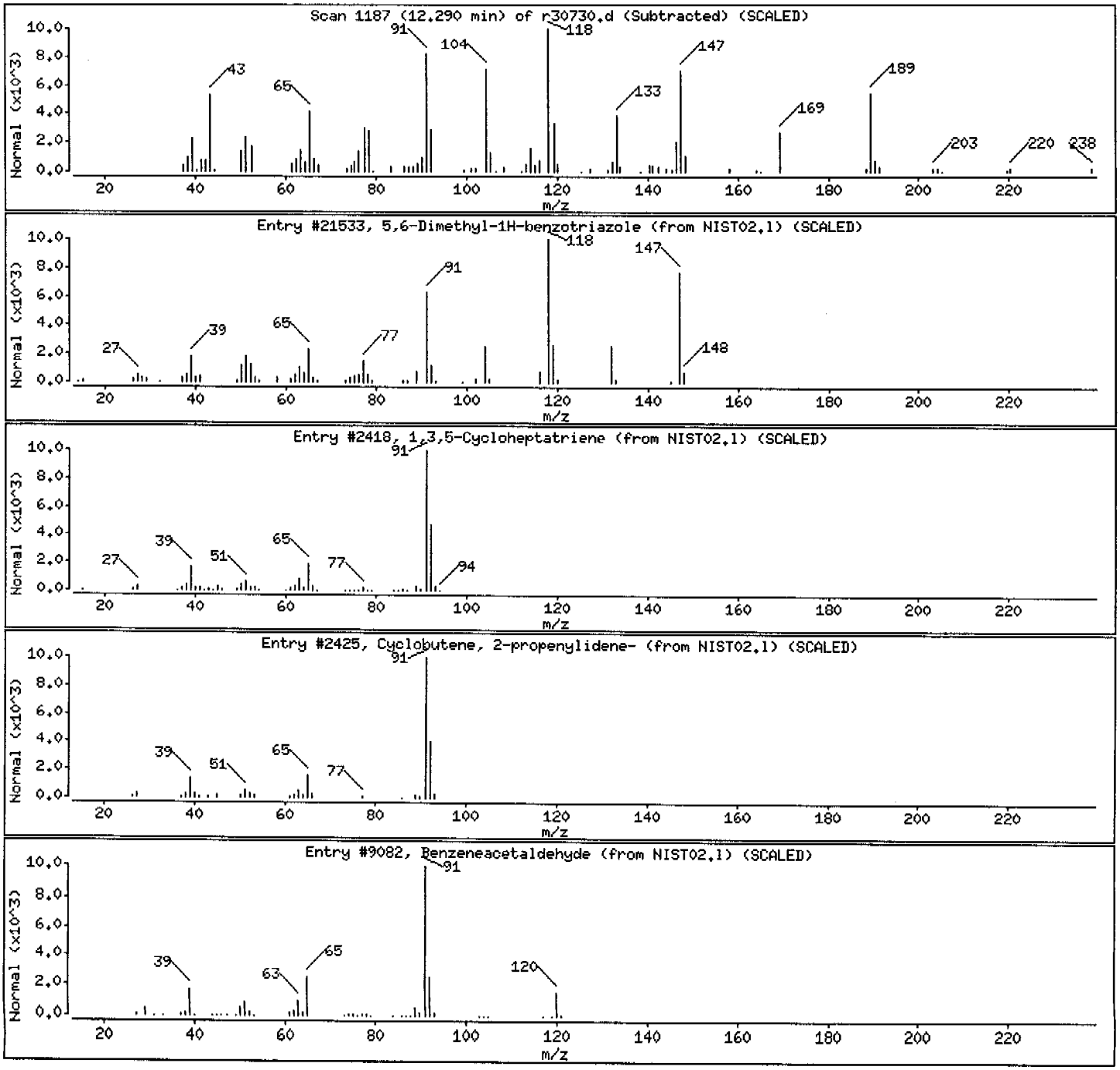
Date : 09-OCT-2006 14:59

Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5,6-Dimethyl-1H-benzotriazole	4184-79-6	NIST02.l	21533	70	C8H9N3	147
1,3,5-Cycloheptatriene	544-25-2	NIST02.l	2418	47	C7H8	92
Cyclobutene, 2-propenylidene-	52097-85-5	NIST02.l	2425	38	C7H8	92
Benzeneacetaldehyde	122-78-1	NIST02.l	9082	38	C8H8O	120



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

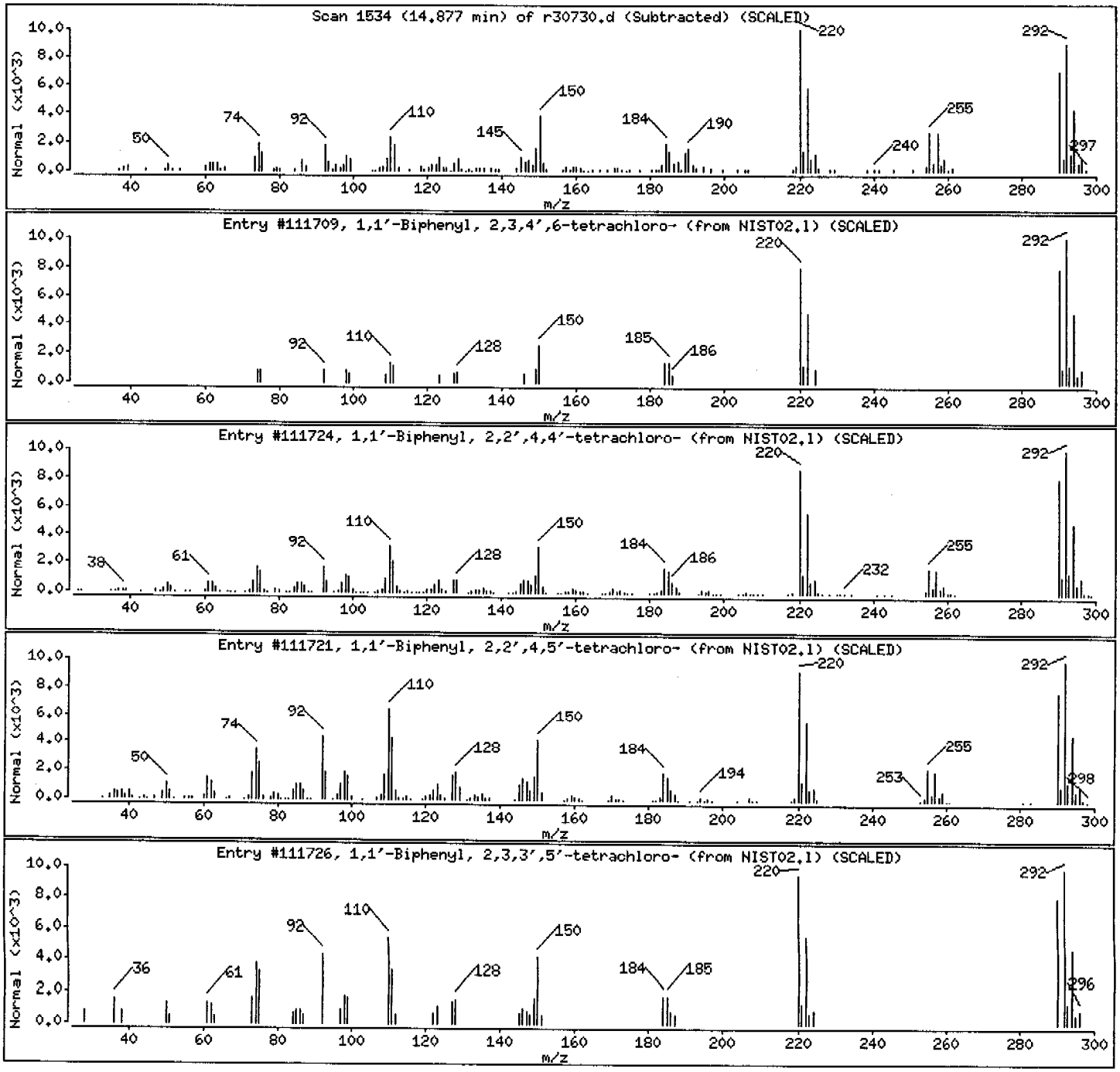
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	2437-79-8	NIST02.l	111724	99	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	41464-49-7	NIST02.l	111726	98	C12H6Cl4	290



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

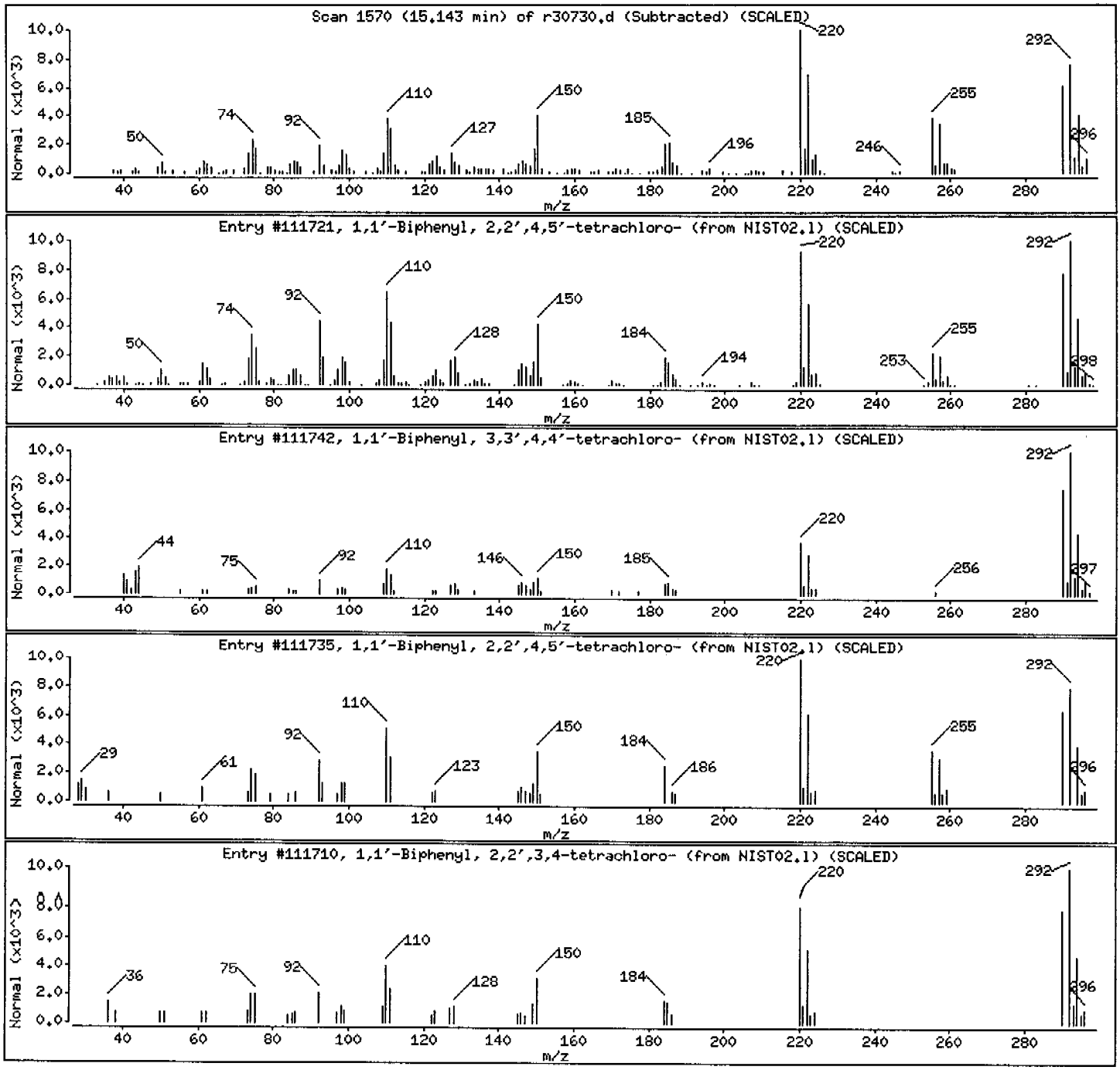
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	98	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	97	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111735	96	C12H6Cl4	290
1,1'-Biphenyl, 2,2',3,4-tetrachloro-	52663-59-9	NIST02.l	111710	96	C12H6Cl4	290



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

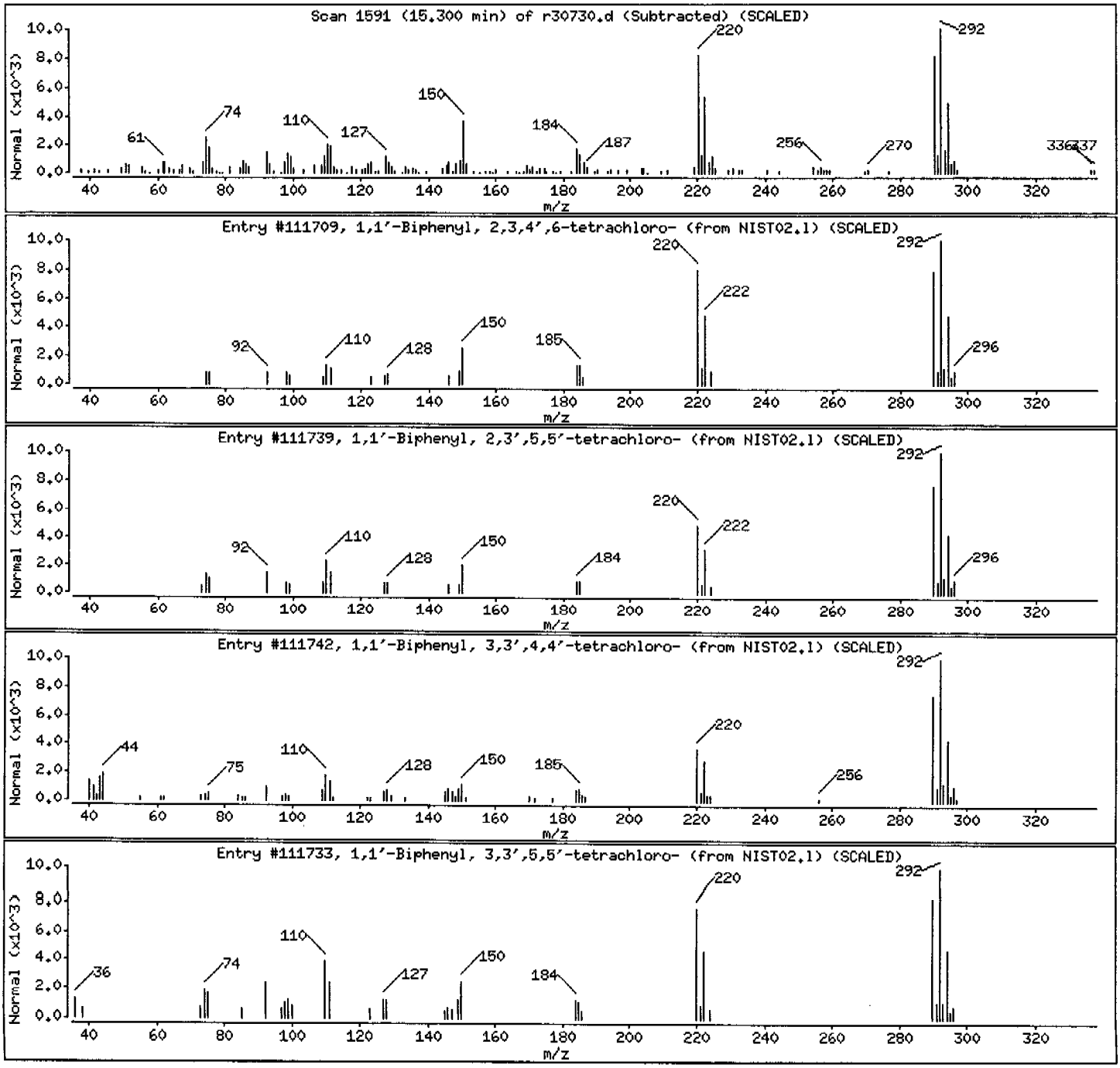
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.1	111709	99	C12H6Cl4	290
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.1	111739	99	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.1	111742	99	C12H6Cl4	290
1,1'-Biphenyl, 3,3',5,5'-tetrachloro-	33284-52-5	NIST02.1	111733	98	C12H6Cl4	290



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

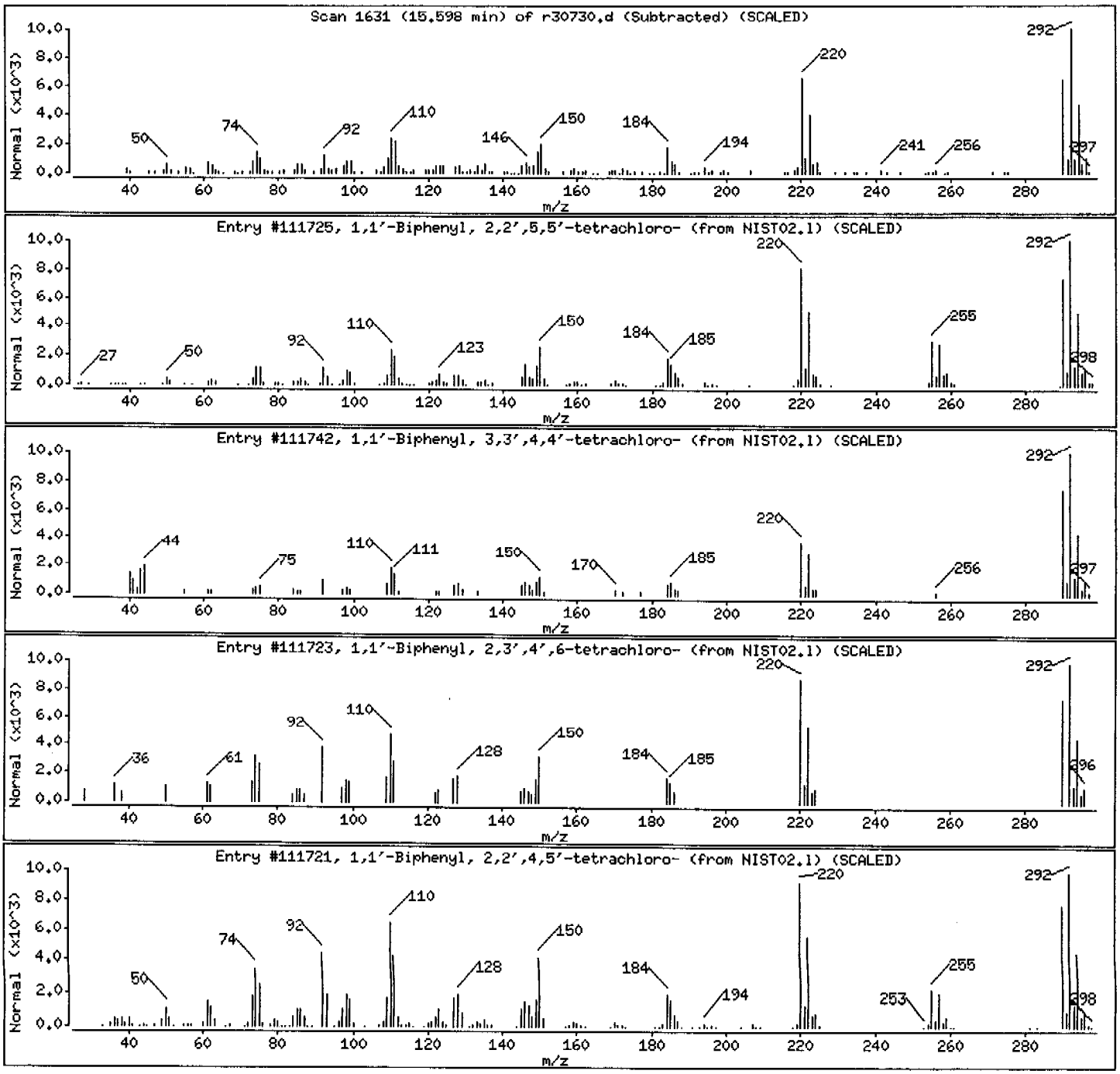
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	35693-99-3	NIST02.l	111725	99	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	96	C12H6Cl4	290
1,1'-Biphenyl, 2,3',4',6-tetrachloro-	41464-46-4	NIST02.l	111723	96	C12H6Cl4	290
1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	41464-40-8	NIST02.l	111721	96	C12H6Cl4	290



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

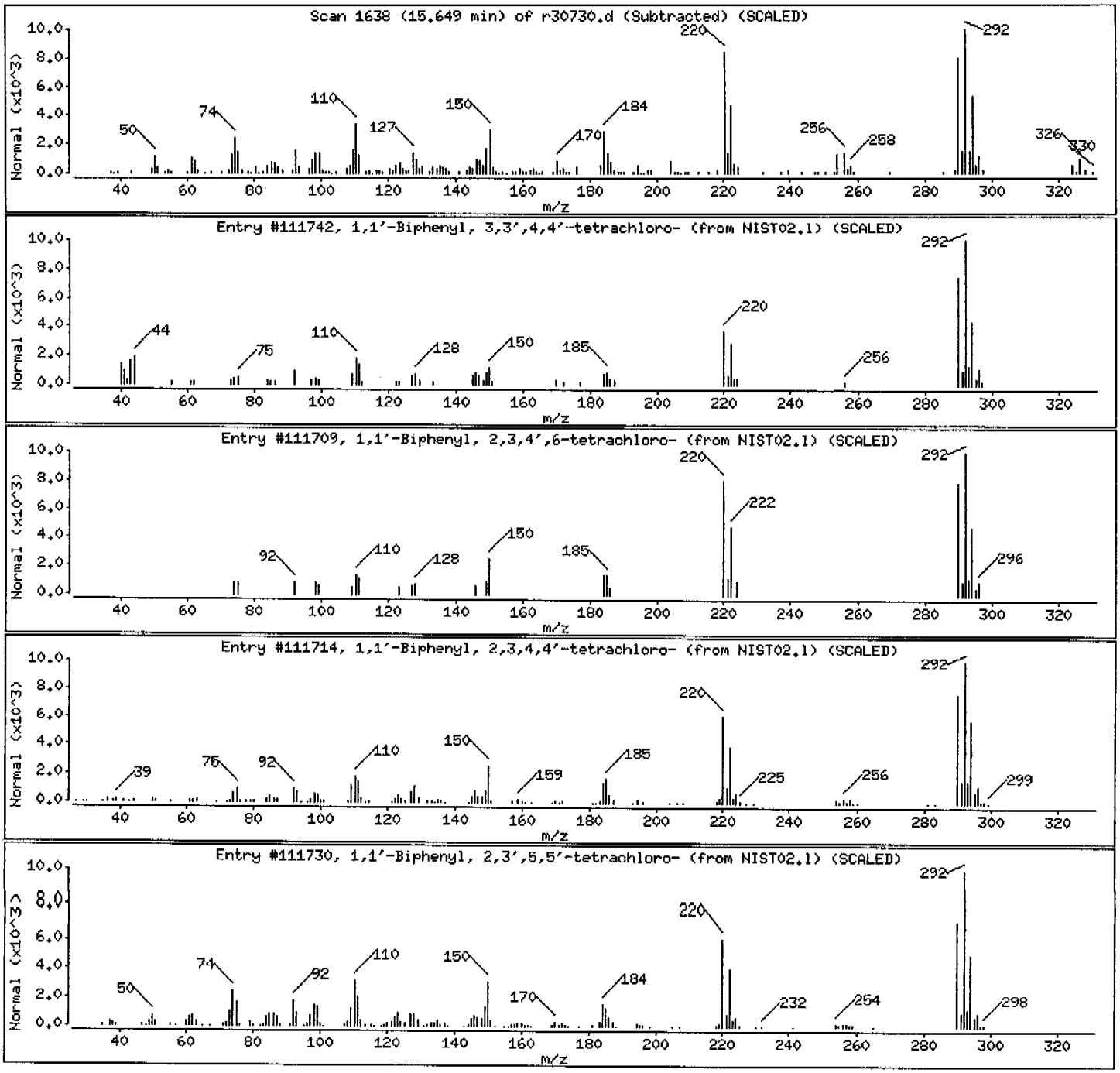
Date : 09-OCT-2006 14:59

Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	97	C12H6Cl4	290
1,1'-Biphenyl, 2,3,4',6-tetrachloro-	52663-58-8	NIST02.l	111709	96	C12H6Cl4	290
1,1'-Biphenyl, 2,3,4,4'-tetrachloro-	33025-41-1	NIST02.l	111714	96	C12H6Cl4	290
1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	41464-42-0	NIST02.l	111730	95	C12H6Cl4	290



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Date : 09-OCT-2006 14:59

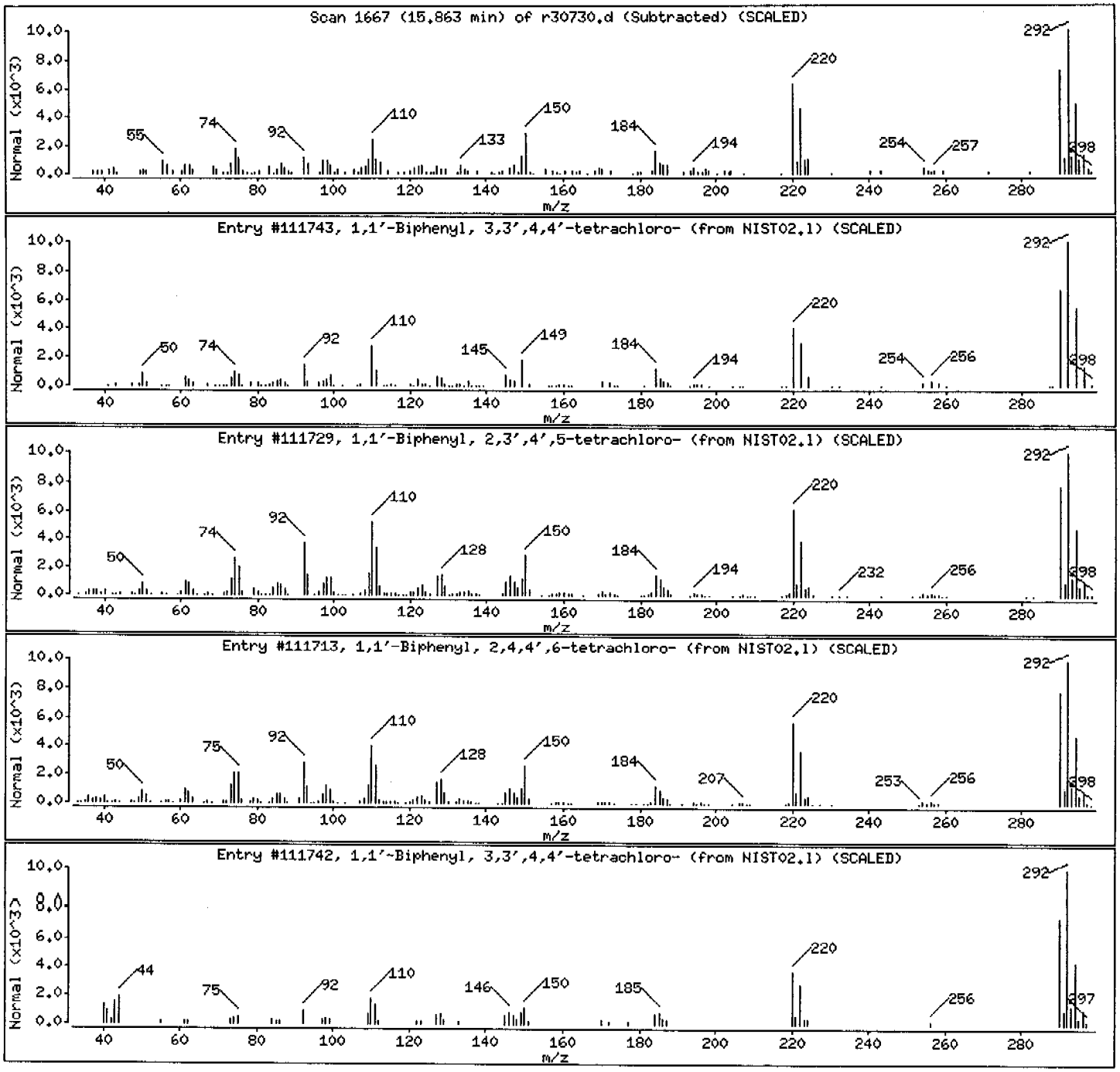
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloro-1,1-biphenyl isomer						
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111743	96	C12H6Cl4	290
1,1'-Biphenyl, 2,3',4',5-tetrachloro-	32598-11-1	NIST02.l	111729	96	C12H6Cl4	290
1,1'-Biphenyl, 2,4,4',6-tetrachloro-	32598-12-2	NIST02.l	111713	95	C12H6Cl4	290
1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	32598-13-3	NIST02.l	111742	95	C12H6Cl4	290



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Date : 09-OCT-2006 14:59

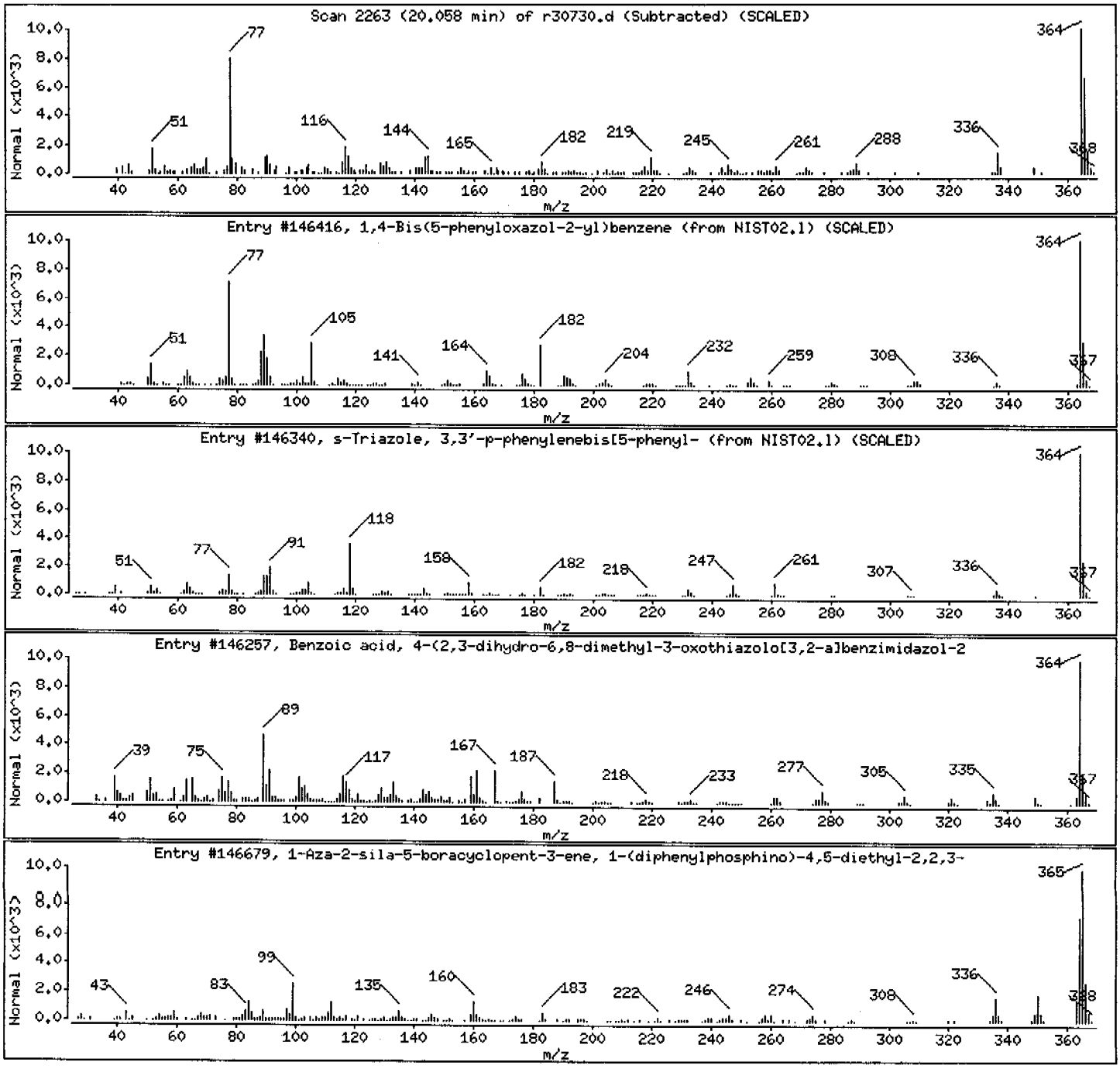
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,4-Bis(5-phenyloxazol-2-yl)benzene	1806-34-4	NIST02.l	146416	42	C24H16N2O2	364
s-Triazole, 3,3'-p-phenylenebis[5-phenyl	95161-62-9	NIST02.l	146340	35	C22H16N6	364
Benzoic acid, 4-(2,3-dihydro-6,8-dimethy	312632-54-5	NIST02.l	146257	32	C20H16N2O3S	364
1-Aza-2-sila-5-boracyclopent-3-ene, 1-(d	107098-40-8	NIST02.l	146679	30	C21H29BNPSi	365



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

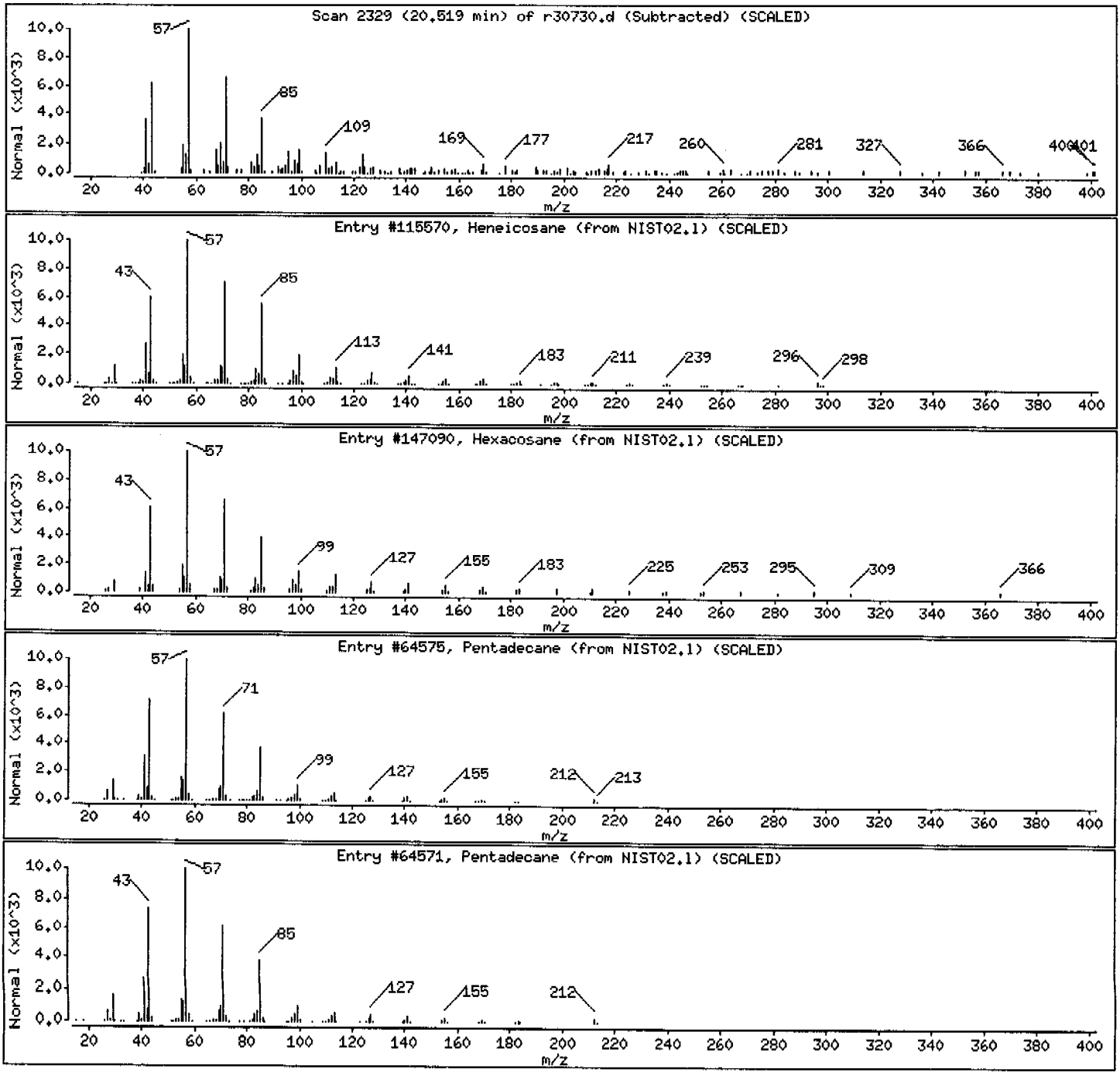
Date : 09-OCT-2006 14:59

Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST02.l	115570	86	C21H44	296
Hexacosane	630-01-3	NIST02.l	147090	86	C26H54	366
Pentadecane	629-62-9	NIST02.l	64575	86	C15H32	212
Pentadecane	629-62-9	NIST02.l	64571	83	C15H32	212



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Date : 09-OCT-2006 14:59

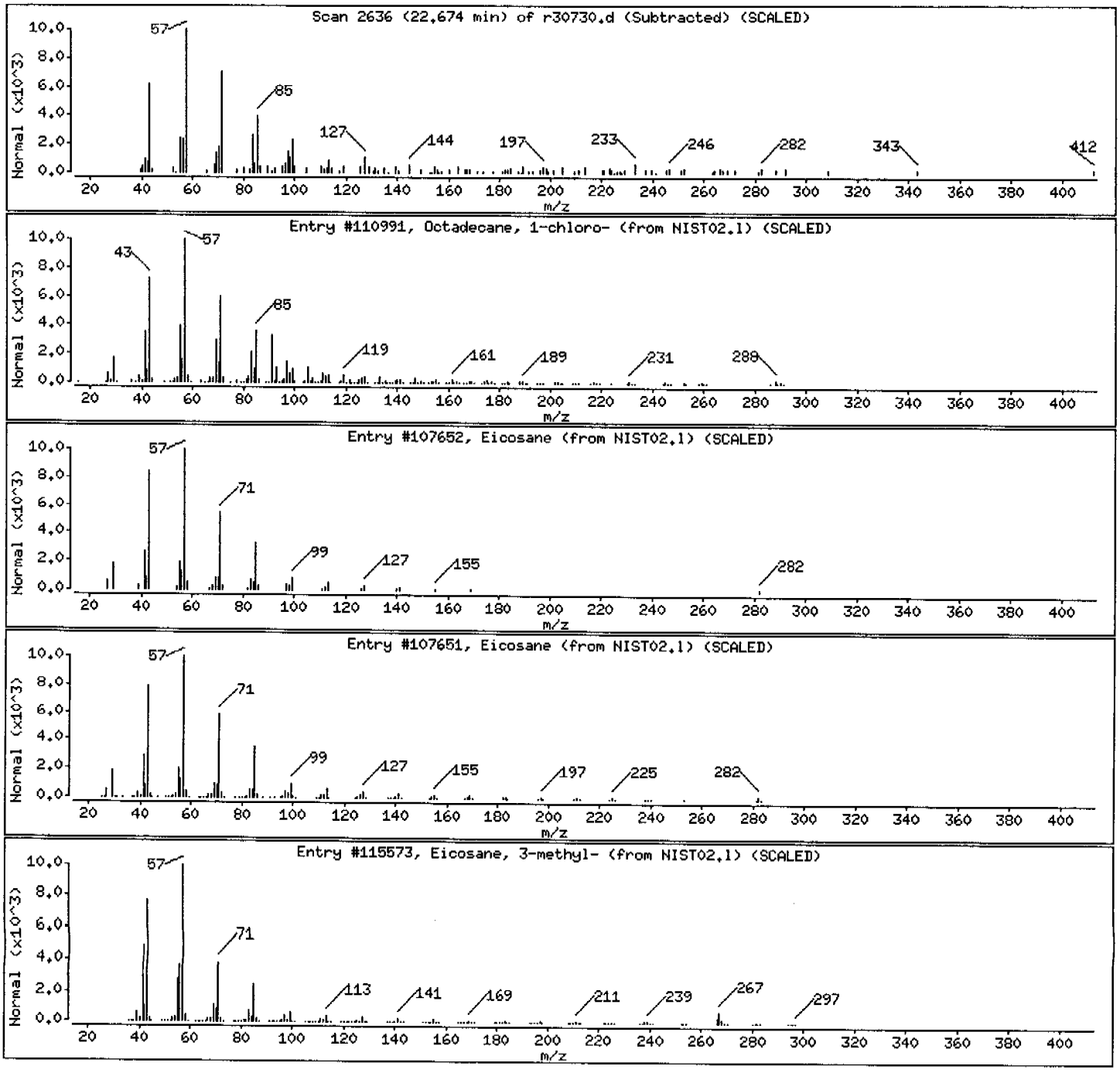
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane, 1-chloro-	3386-33-2	NIST02.l	110991	76	C18H37Cl	288
Eicosane	112-95-8	NIST02.l	107652	64	C20H42	282
Eicosane	112-95-8	NIST02.l	107651	58	C20H42	282
Eicosane, 3-methyl-	6418-46-8	NIST02.l	115573	53	C21H44	296



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

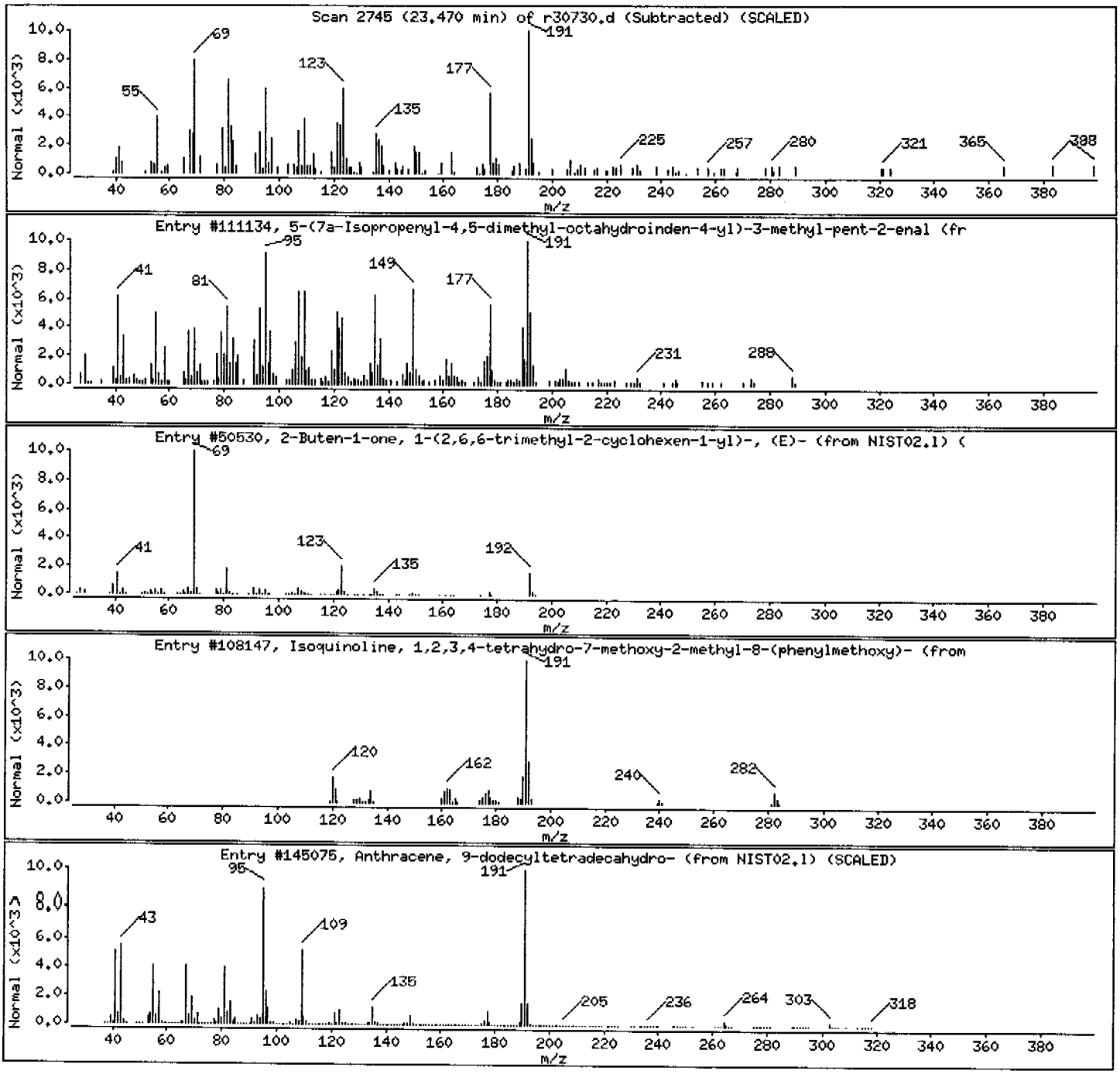
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5-(7a-Isopropenyl-4,5-dimethyl-octahydro	1000193-54-1	NIST02.l	111134	35	C20H320	288
2-Buten-1-one, 1-(2,6,6-trimethyl-2-cycl	24720-09-0	NIST02.l	50530	35	C13H200	192
Isoquinoline, 1,2,3,4-tetrahydro-7-metho	36646-87-4	NIST02.l	108147	30	C18H21NO2	283
Anthracene, 9-dodecyltetradecahydro-	55401-75-7	NIST02.l	145075	27	C26H48	360



Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30730.d

Date : 09-OCT-2006 14:59

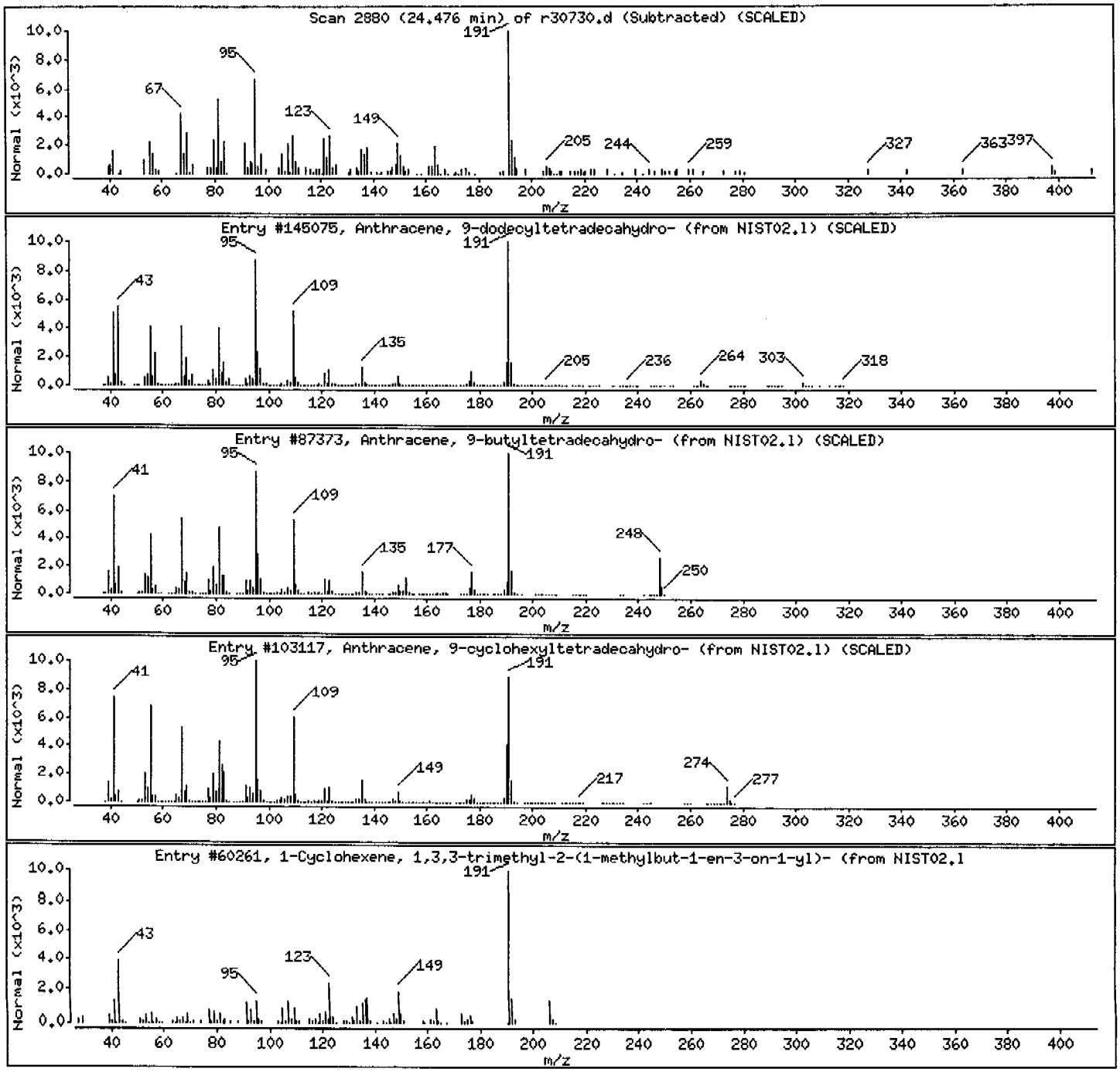
Client ID: B1406-SS02 Instrument: BNAMS1.i

Sample Info: 775289;3281193

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Anthracene, 9-dodecyltetradecahydro-	55401-75-7	NIST02.l	145075	43	C26H48	360
Anthracene, 9-butyltetradecahydro-	55133-89-6	NIST02.l	87373	40	C18H32	248
Anthracene, 9-cyclohexyltetradecahydro-	55255-70-4	NIST02.l	103117	37	C20H34	274
1-Cyclohexene, 1,3,3-trimethyl-2-(1-meth	1000197-08-4	NIST02.l	60261	37	C14H22O	206



Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample No: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30710.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	36
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
1,2-Dichlorobenzene	ND	360
bis(2-chloroisopropyl)ether	ND	360
N-Nitroso-di-n-propylamine	ND	36
Hexachloroethane	ND	36
Nitrobenzene	ND	36
Isophorone	ND	360
bis(2-Chloroethoxy)methane	ND	360
1,2,4-Trichlorobenzene	ND	36
Naphthalene	26 J	360
4-Chloroaniline	ND	360
Hexachlorobutadiene	ND	73
2-Methylnaphthalene	24 J	360
Hexachlorocyclopentadiene	ND	360
2-Chloronaphthalene	ND	360
2-Nitroaniline	ND	730
Dimethylphthalate	ND	360
Acenaphthylene	ND	360
2,6-Dinitrotoluene	ND	73
3-Nitroaniline	ND	730
Acenaphthene	ND	360
Dibenzofuran	ND	360
2,4-Dinitrotoluene	ND	73
Diethylphthalate	ND	360
4-Chlorophenyl-phenylether	ND	360
Fluorene	ND	360
4-Nitroaniline	ND	730
N-Nitrosodiphenylamine	ND	360
4-Bromophenyl-phenylether	ND	360
Hexachlorobenzene	ND	36
Phenanthrene	16 J	360
Anthracene	ND	360

Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample No: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30710.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	360
Di-n-butylphthalate	ND	360
Fluoranthene	20 J	360
Pyrene	19 J	360
Butylbenzylphthalate	ND	360
3,3'-Dichlorobenzidine	ND	730
Benzo(a)anthracene	ND	36
Chrysene	ND	360
bis(2-Ethylhexyl)phthalate	7500	360
Di-n-octylphthalate	ND	360
Benzo(b)fluoranthene	9.7J	36
Benzo(k)fluoranthene	ND	36
Benzo(a)pyrene	ND	36
Indeno(1,2,3-cd)pyrene	ND	36
Dibenz(a,h)anthracene	ND	36
Benzo(g,h,i)perylene	ND	360

Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample No: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30710.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 8.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	24.51	330	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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14.				
15.				
16.				
17.				
18.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	330

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d
Report Date: 09-Oct-2006 12:09

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d
Lab Smp Id: 775291 Client Smp ID: B1411-SS01
Inj Date : 08-OCT-2006 10:53
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775291;3281227
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 11:30 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	8.90000	% Moisture

Cpnd Variable Local Compound Variable

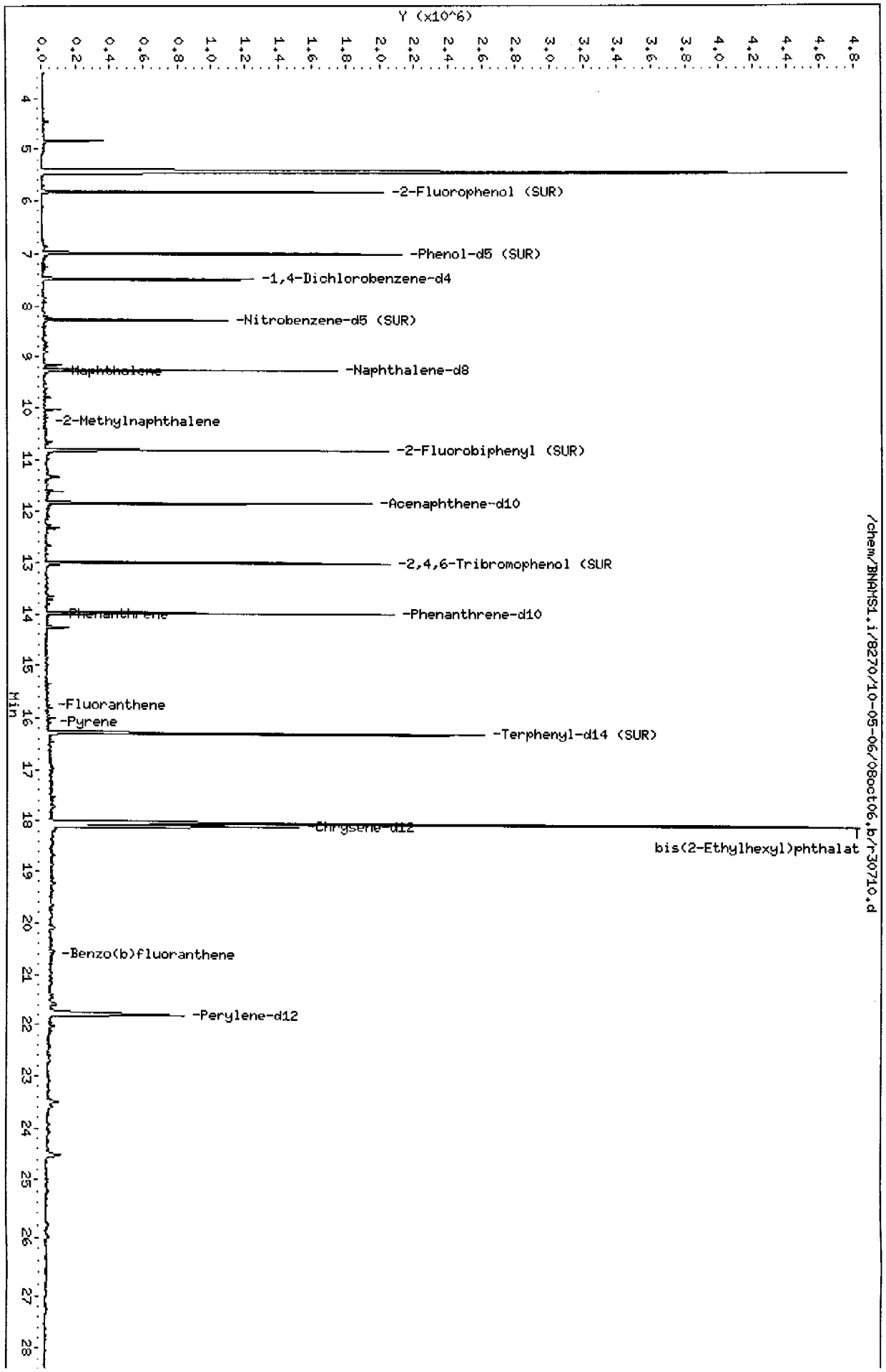
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.819	5.804	(0.779)	772884	78.7578	5800
$ 17 Phenol-d5 (SUR)	99	6.993	6.990	(0.936)	1002720	82.1972	6000
* 79 1,4-Dichlorobenzene-d4	152	7.475	7.480	(1.000)	262029	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.275	8.282	(0.893)	440105	40.4934	3000
* 80 Naphthalene-d8	136	9.270	9.272	(1.000)	1060345	40.0000	
31 Naphthalene	128	9.299	9.302	(1.003)	9266	0.34962	26(a)
34 2-Methylnaphthalene	142	10.278	10.281	(1.109)	6056	0.32672	24(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.817	10.824	(0.914)	896536	42.2985	3100
* 82 Acenaphthene-d10	164	11.831	11.835	(1.000)	711456	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.990	12.995	(1.098)	288384	73.7094	5400
* 83 Phenanthrene-d10	188	13.979	13.981	(1.000)	1100128	40.0000	
52 Phenanthrene	178	14.009	14.026	(1.002)	7302	0.22419	16(a)
56 Fluoranthene	202	15.749	15.767	(1.127)	9128	0.27336	20(a)
57 Pyrene	202	16.092	16.102	(0.889)	8832	0.25569	19(a)

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d
Report Date: 09-Oct-2006 12:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 78 Terphenyl-d14 (SUR)	244	16.279	16.280	(0.900)	1127440	47.6127	3500
63 bis(2-Ethylhexyl)phthalate	149	18.036	18.024	(0.997)	2909887	102.903	7500
* 81 Chrysene-d12	240	18.097	18.107	(1.000)	1077671	40.0000	
65 Benzo(b)fluoranthene	252	20.609	20.666	(0.945)	4569	0.13260	9.7(aH)
* 84 Perylene-d12	264	21.798	21.802	(1.000)	903163	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.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Date : 08-OCT-2006 10:53
Client ID: B1411-SS01
Sample Info: 775291;3281227
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
bis(2-Ethylhexyl)phthalat
-Benzo(b)fluoranthene
-Perylene-d12
/chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

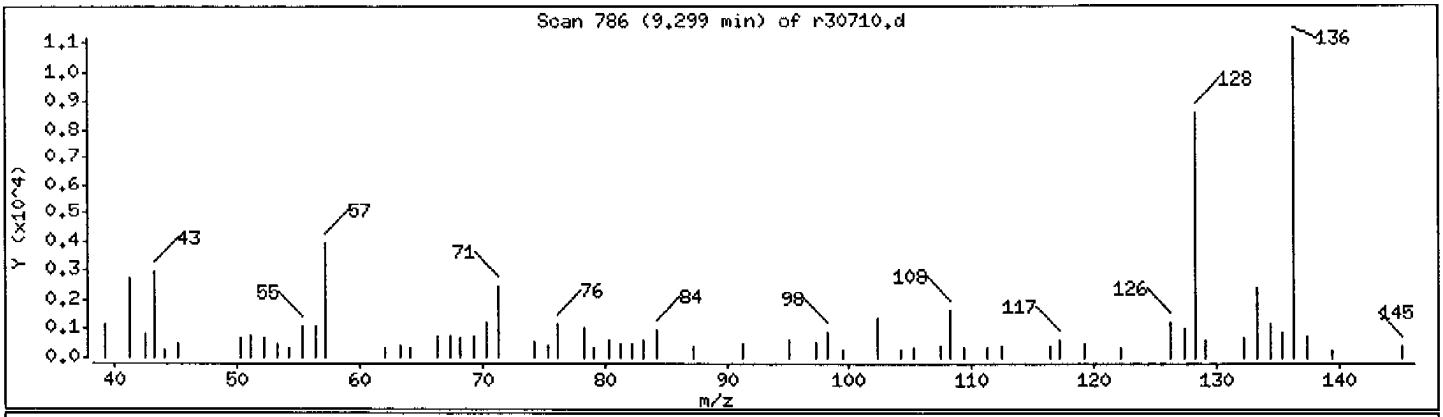
Client ID: B1411-SS01 Instrument: BNAMS1.i

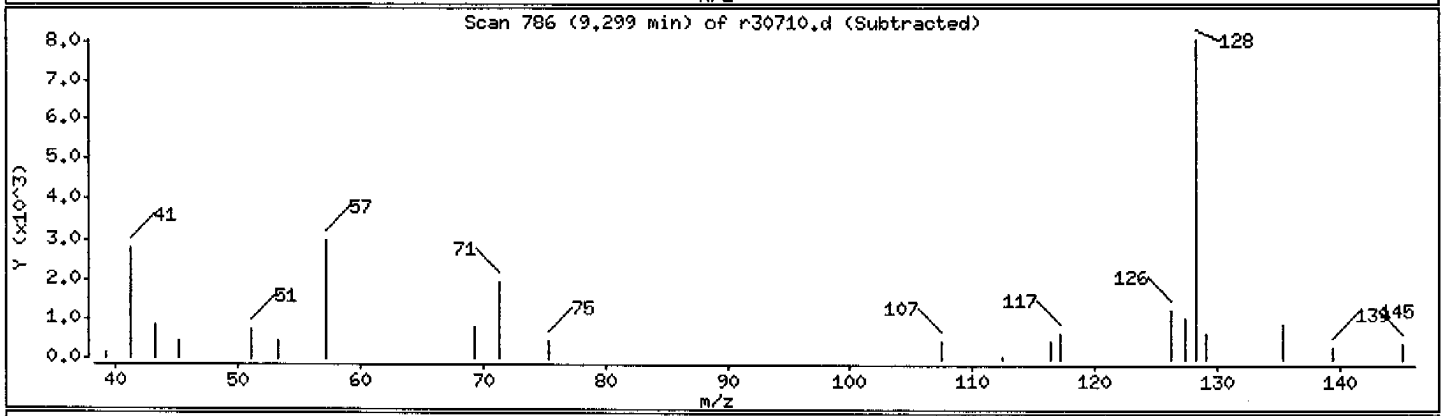
Sample Info: 775291;3281227

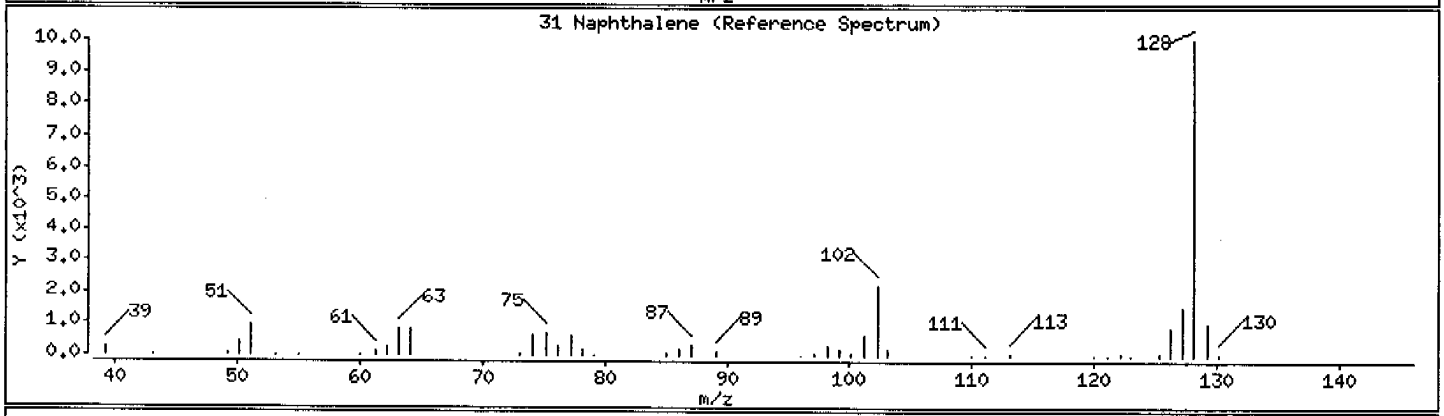
Operator: BNAMS 4

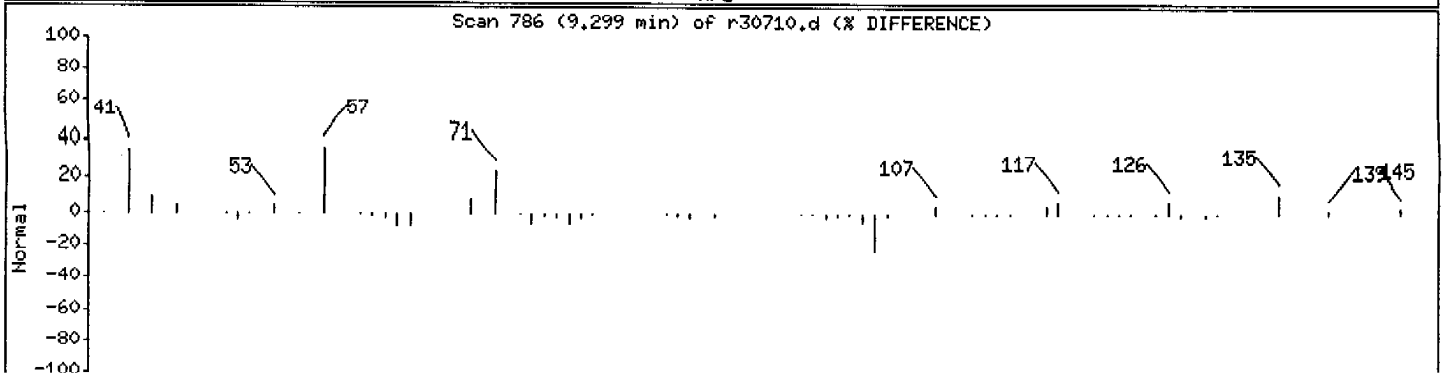
Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 26 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

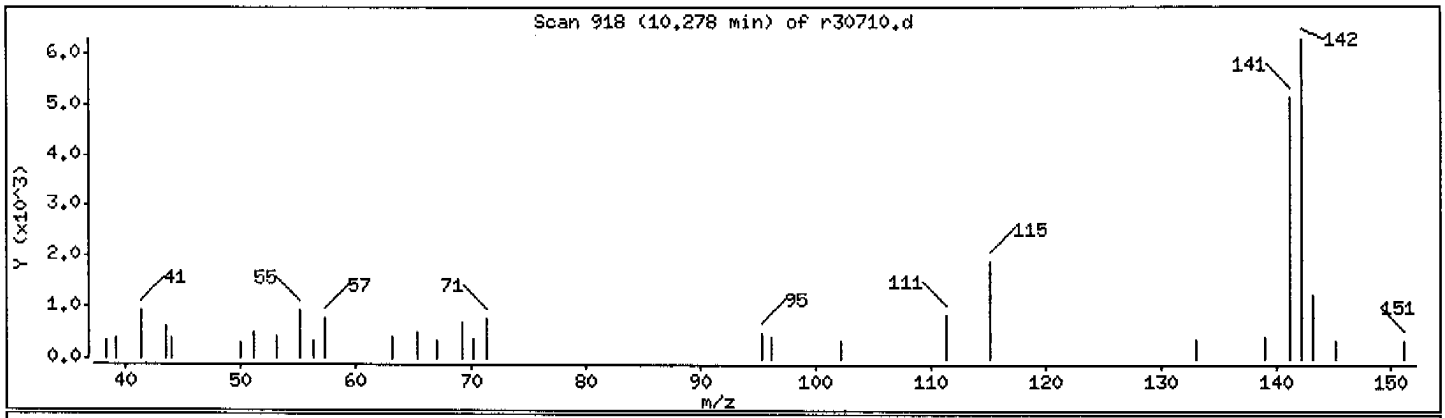
Client ID: B1411-SS01 Instrument: BNAMS1.i

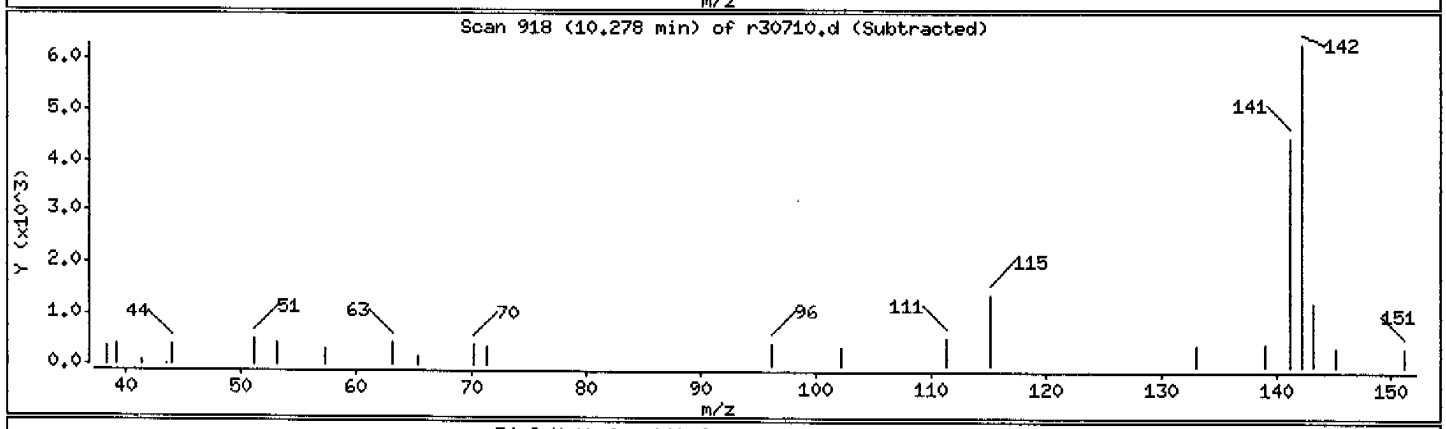
Sample Info: 775291;3281227

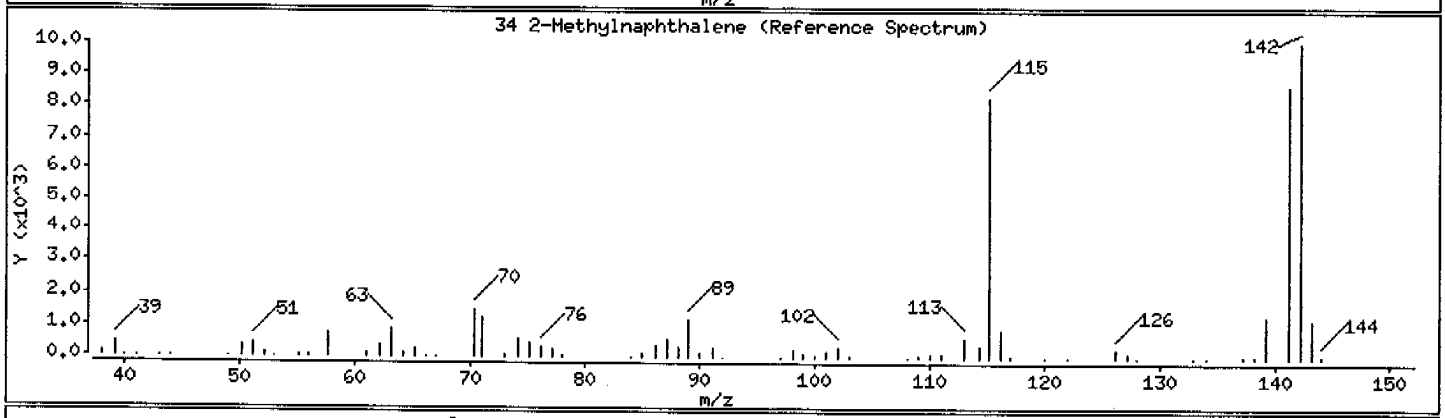
Operator: BNAMS 4

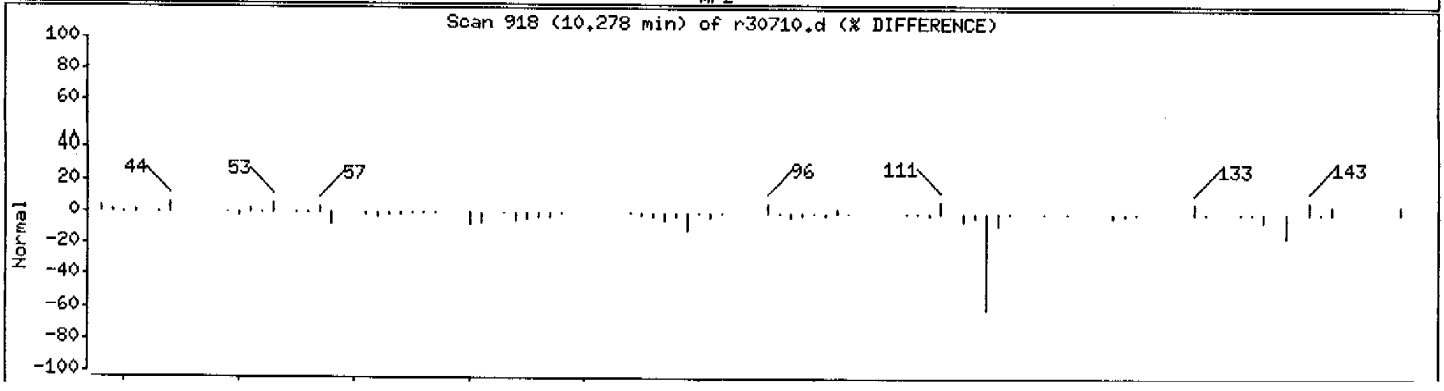
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 24 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

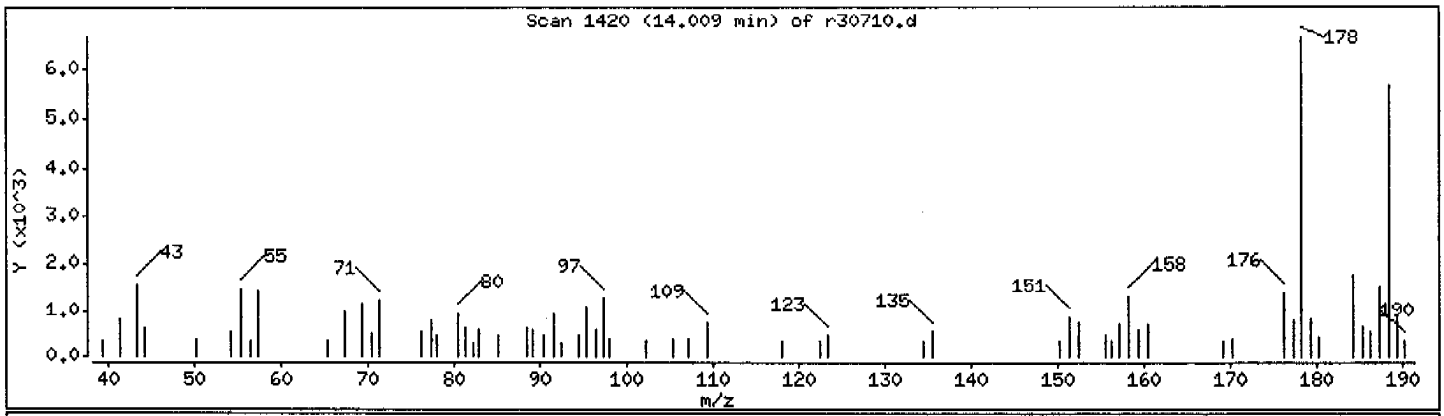
Client ID: B1411-SS01 Instrument: BNAMS1.i

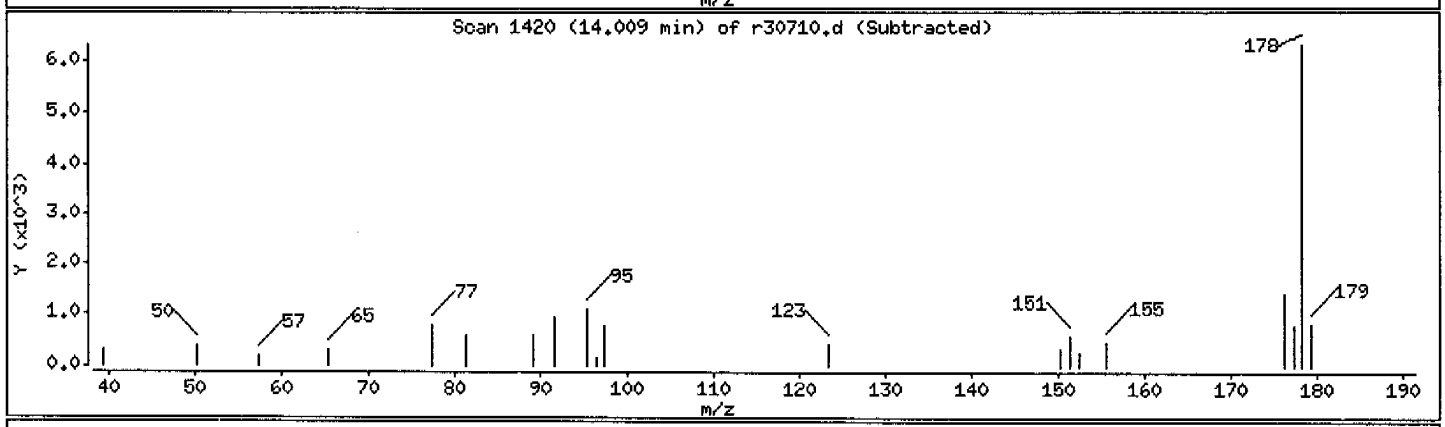
Sample Info: 775291;3281227

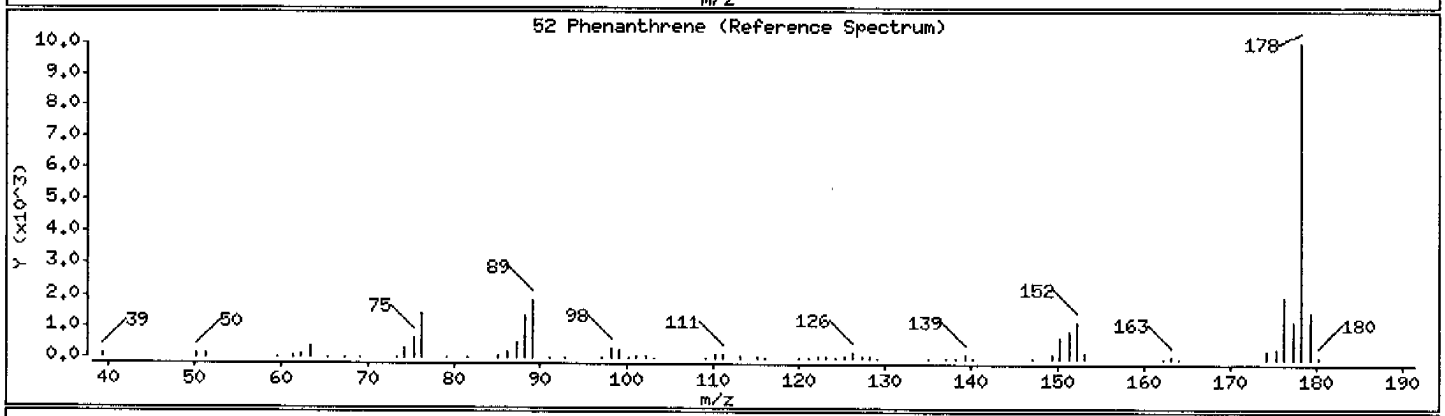
Operator: BNAMS 4

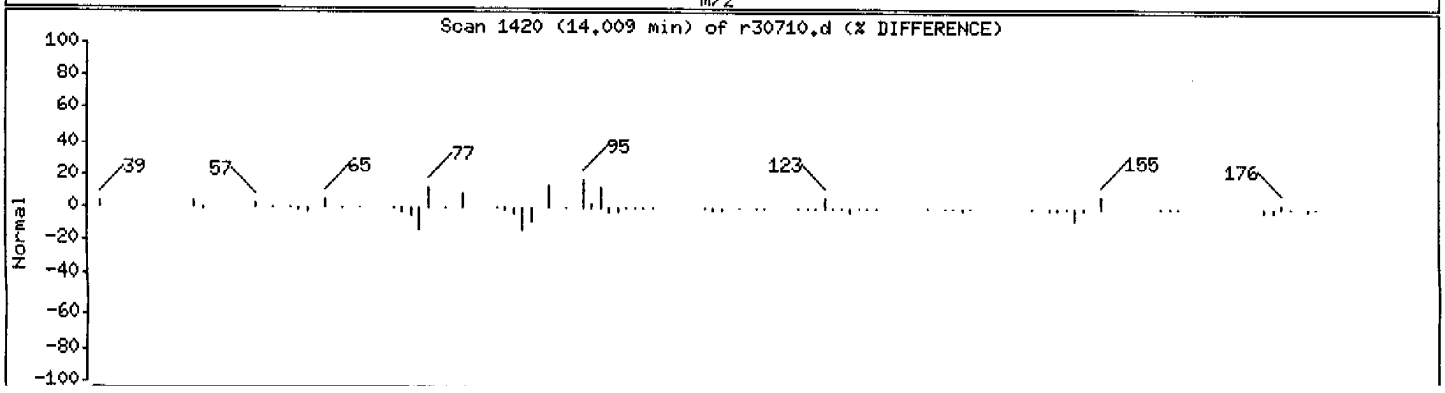
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 16 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

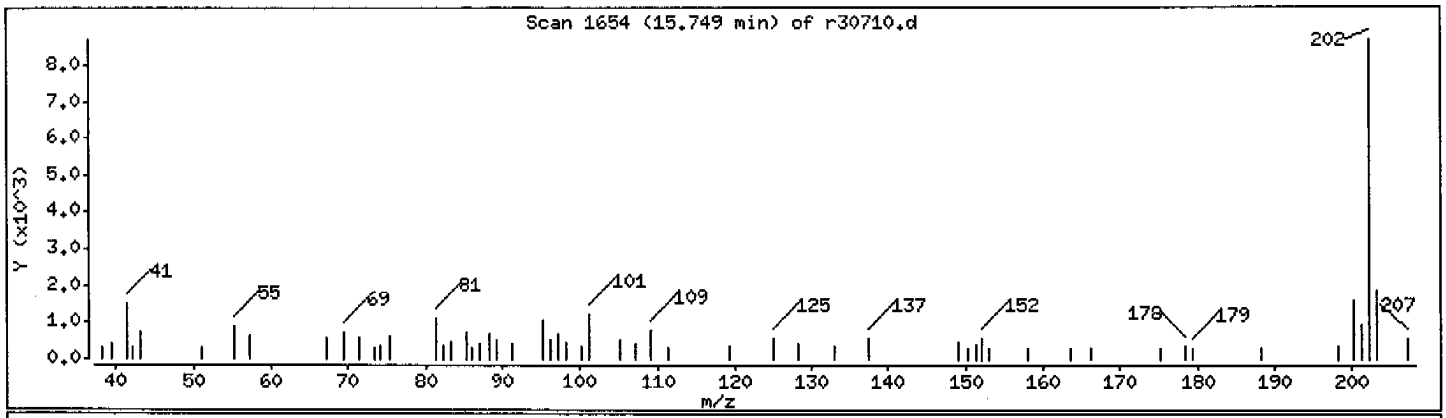
Client ID: B1411-SS01 Instrument: BNAMS1.i

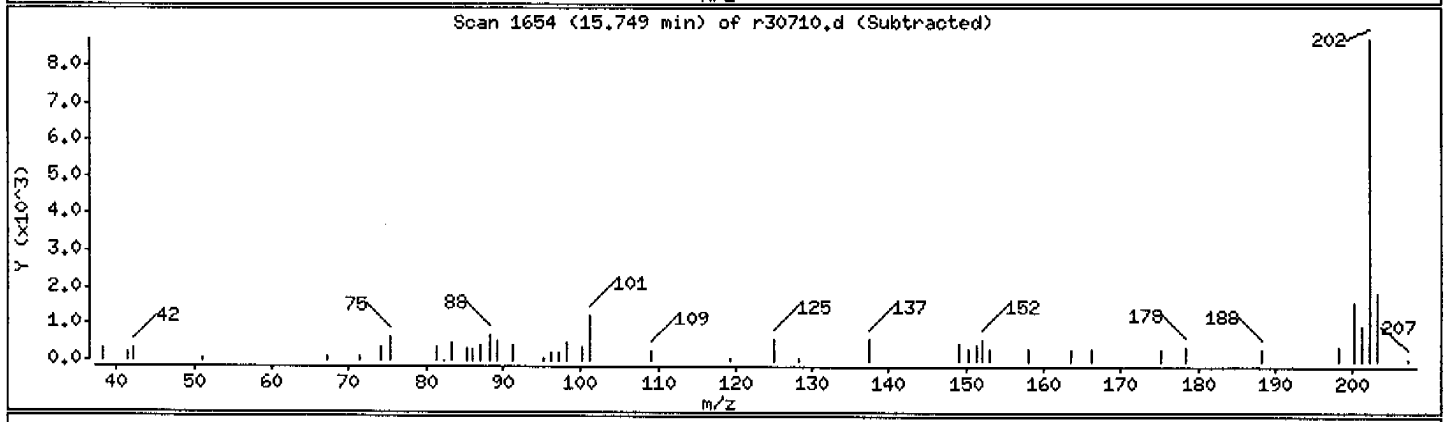
Sample Info: 775291;3281227

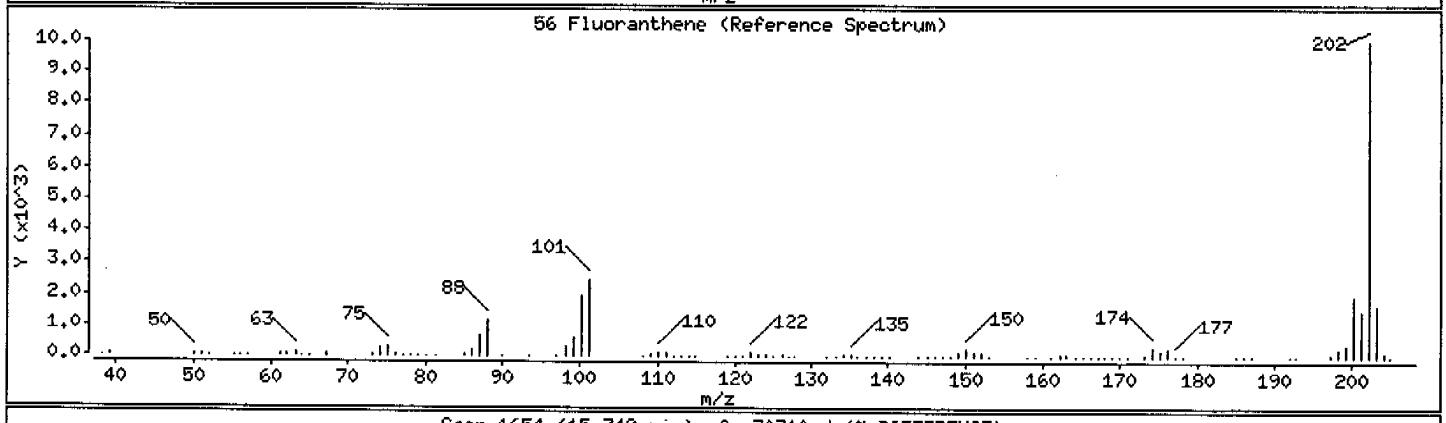
Operator: BNAMS 4

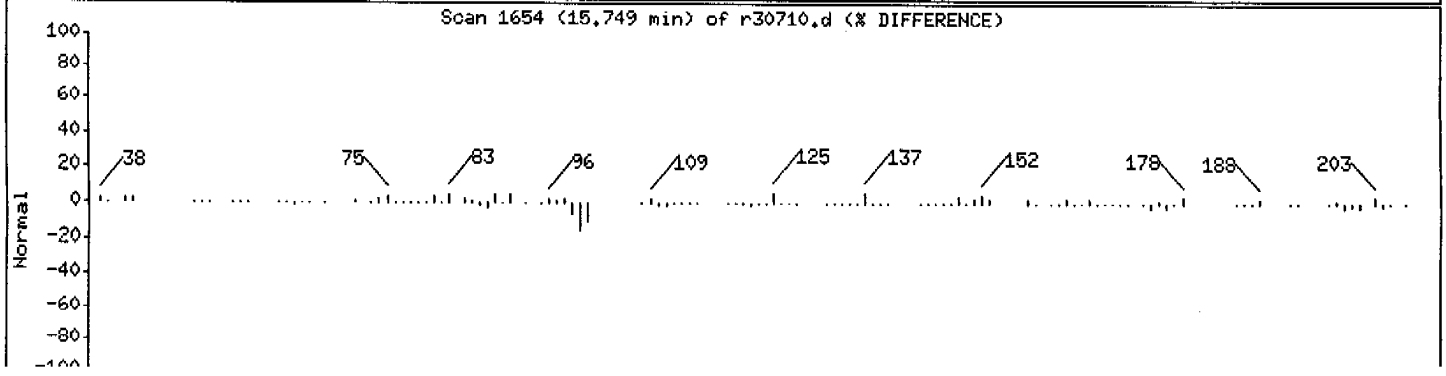
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 20 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

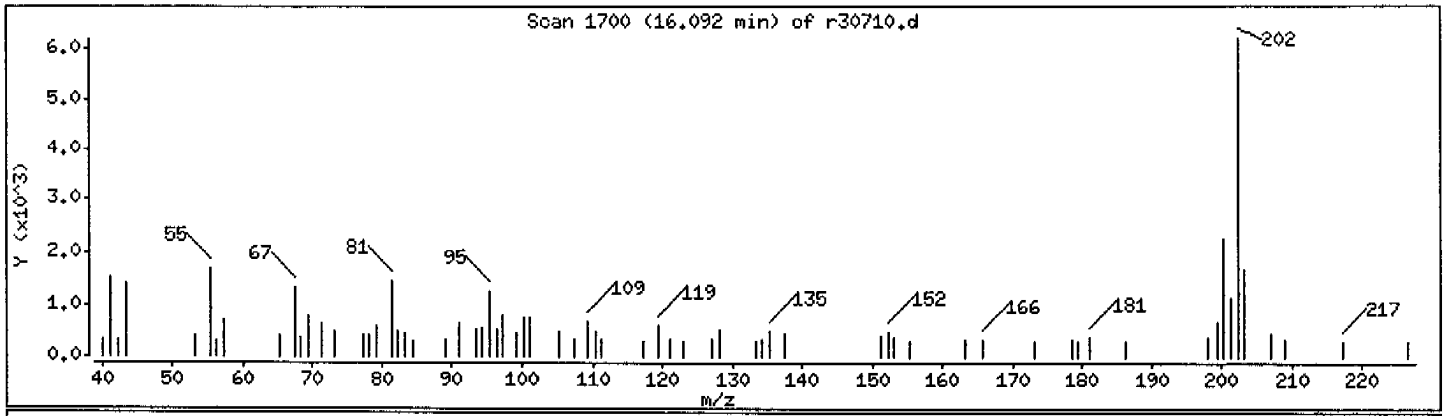
Client ID: B1411-SS01 Instrument: BNAMS1.i

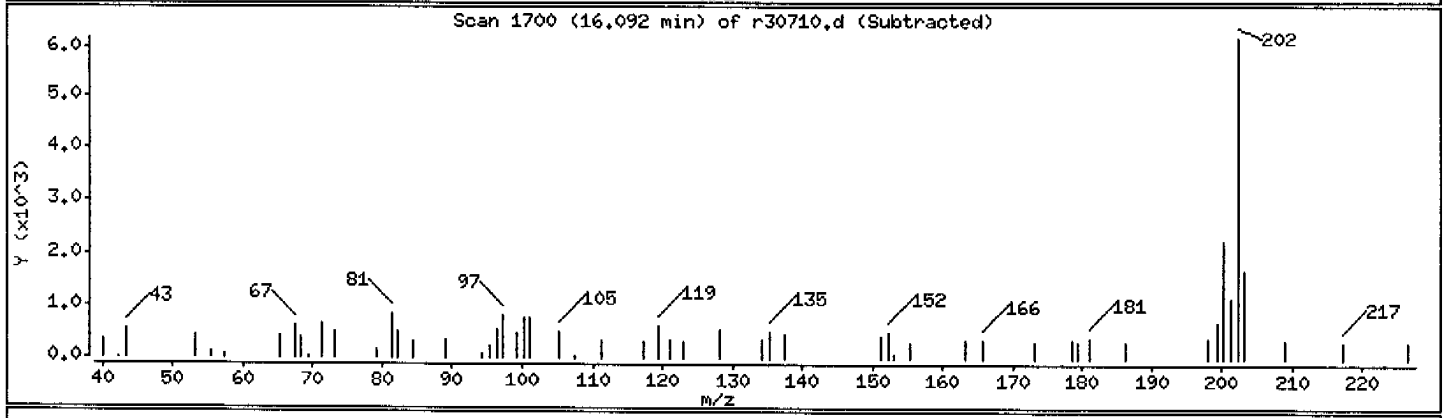
Sample Info: 775291;3281227

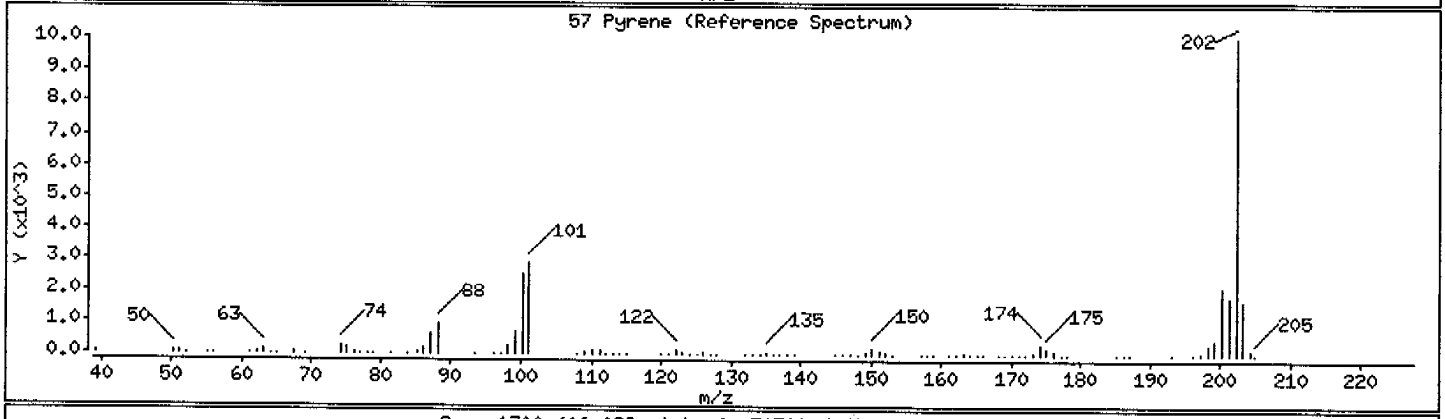
Operator: BNAMS 4

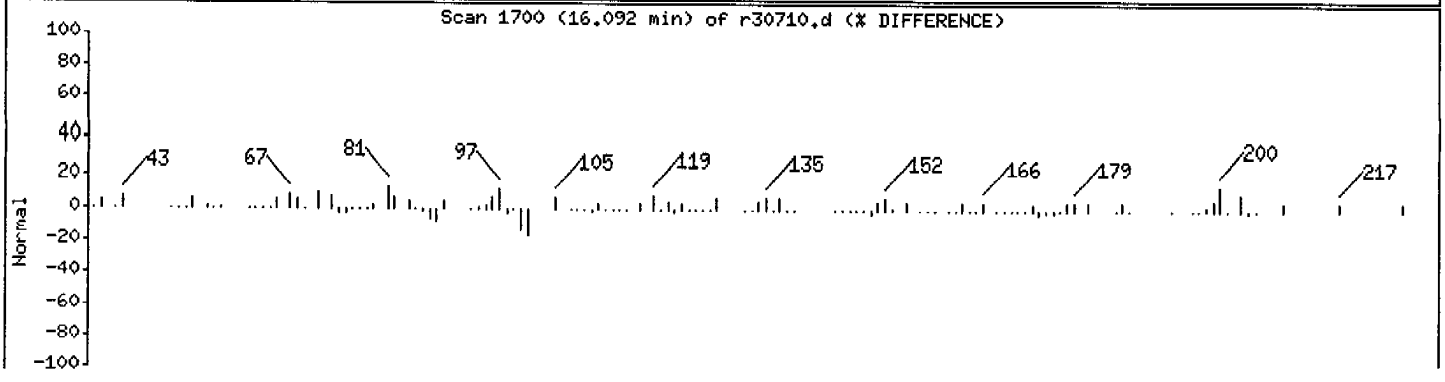
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 19 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

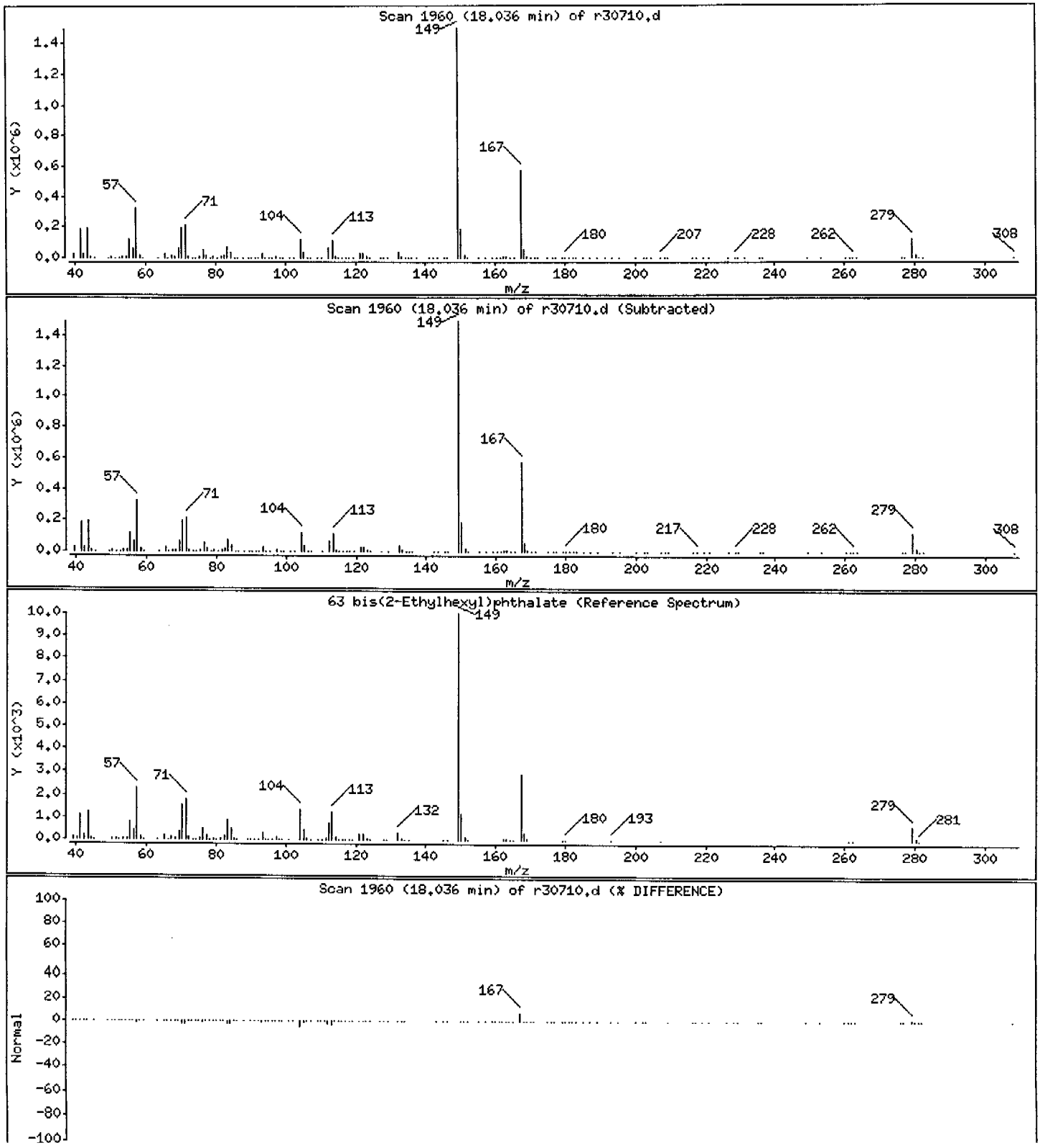
Client ID: B1411-SS01 Instrument: BNAMS1.i

Sample Info: 775291;3281227

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 7500 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

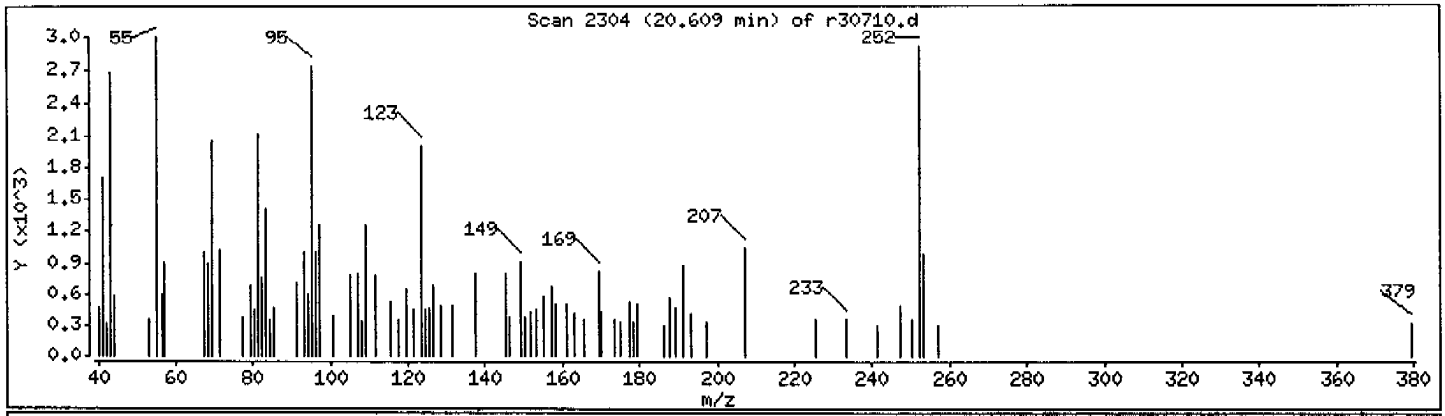
Client ID: B1411-SS01 Instrument: BNAMS1.i

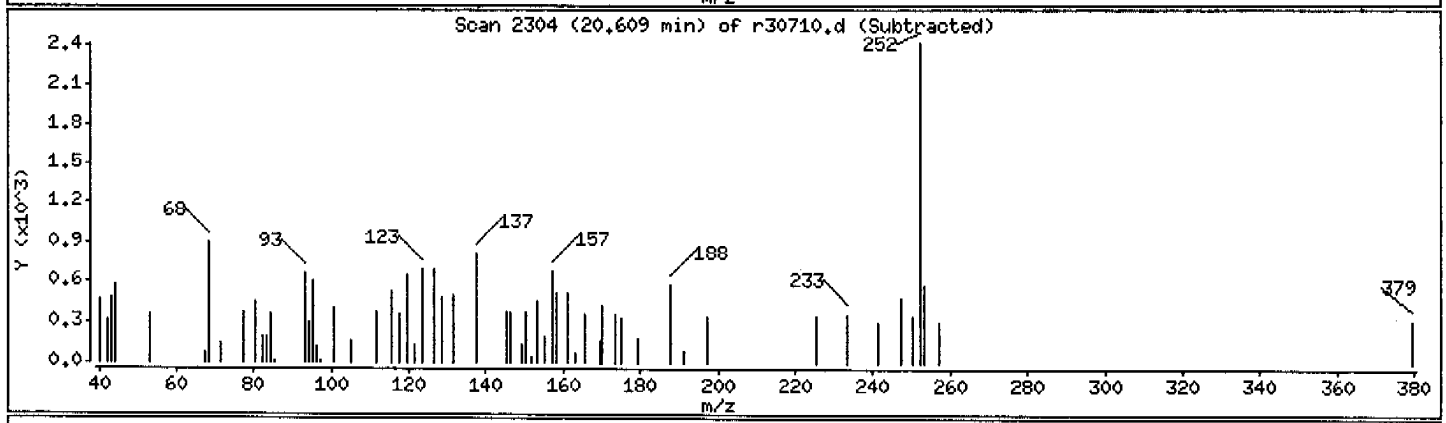
Sample Info: 775291;3281227

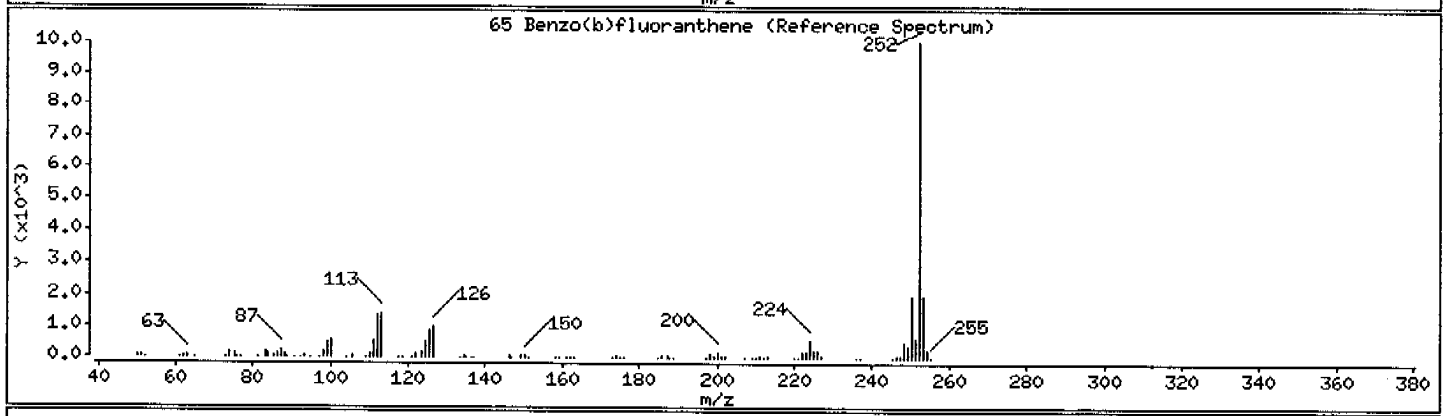
Operator: BNAMS 4

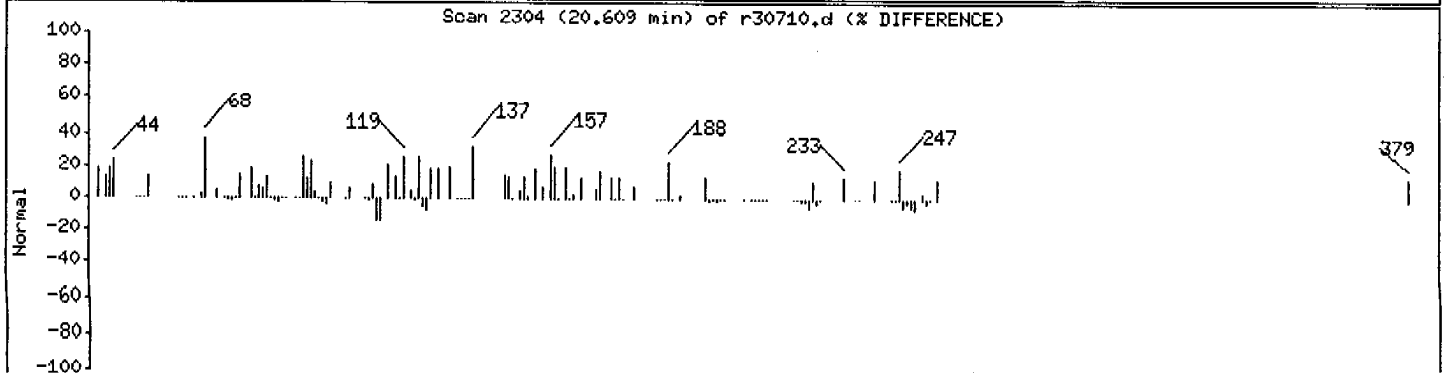
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 9.7 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30710.d

Date : 08-OCT-2006 10:53

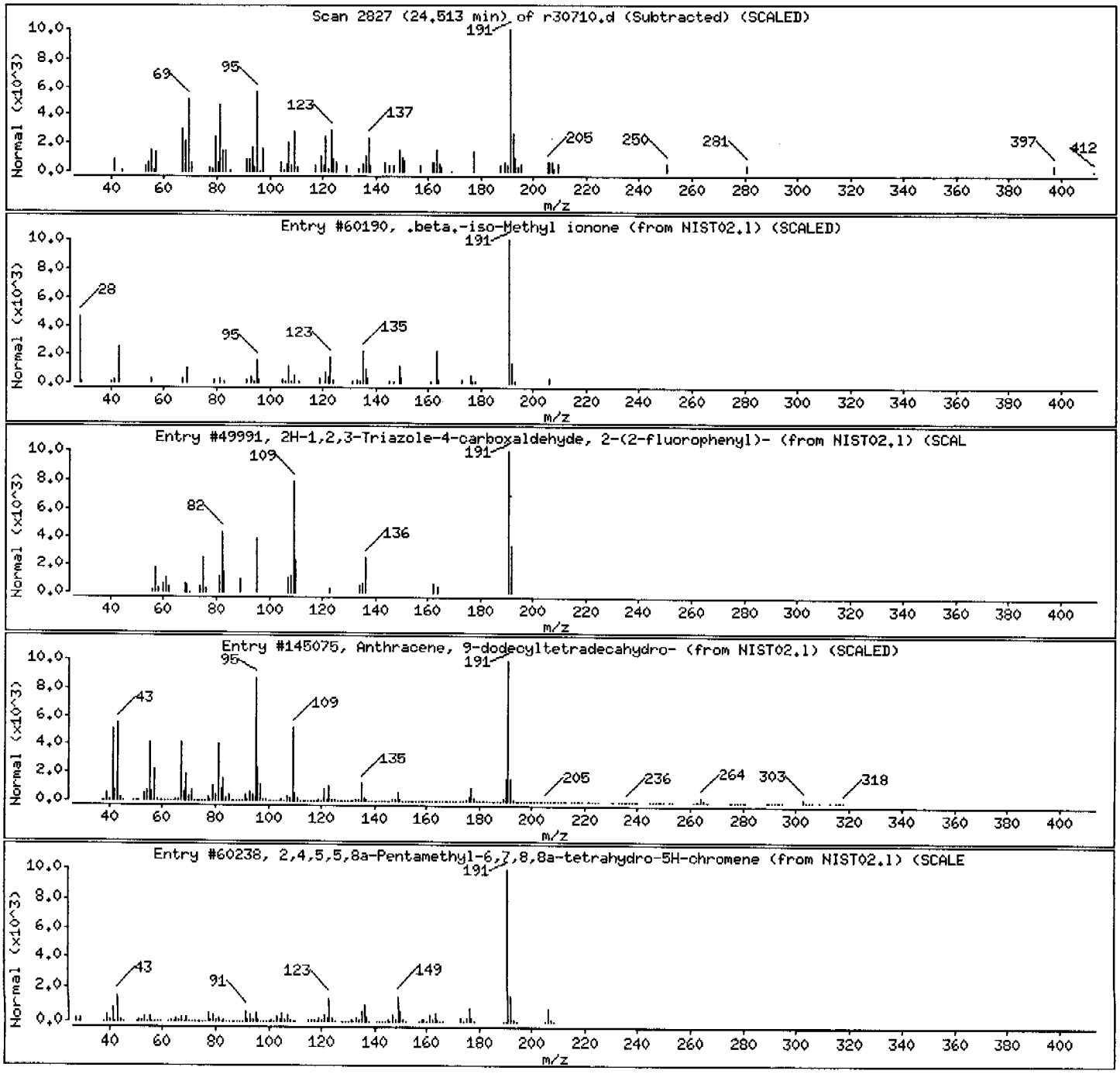
Client ID: B1411-SS01 Instrument: BNAMS1.i

Sample Info: 775291;3281227

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.beta.-iso-Methyl ionone	1000285-40-2	NIST02.l	60190	64	C14H220	206
2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2	51306-43-5	NIST02.l	49991	46	C9H6FN30	191
Anthracene, 9-dodecyltetradecahydro-	55401-75-7	NIST02.l	145075	40	C26H48	360
2,4,5,5,8a-Pentamethyl-6,7,8,8a-tetrahyd	1000195-40-9	NIST02.l	60238	38	C14H220	206



Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample No: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30708.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	ND	380
Anthracene	ND	380

Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample No: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30708.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	320 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample No: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30708.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30708.d
Report Date: 09-Oct-2006 12:09

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30708.d
Lab Smp Id: 775292 Client Smp ID: B1411-SS02
Inj Date : 08-OCT-2006 09:37
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775292;3281244
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 11:30 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.40000	% Moisture

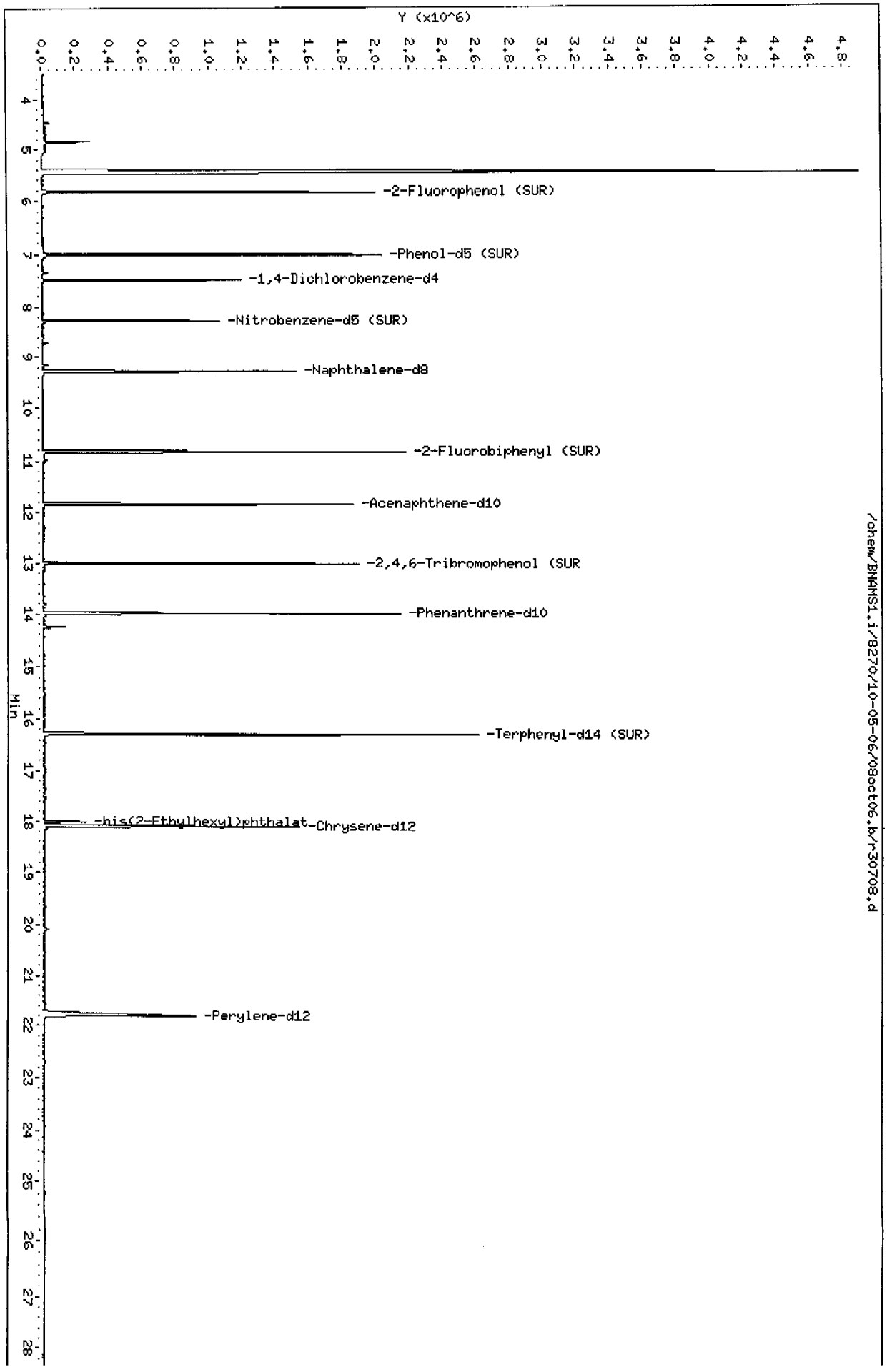
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.820	5.804	(0.778)	747146	85.3115	6600
$ 17 Phenol-d5 (SUR)	99	6.994	6.990	(0.935)	942736	86.5946	6700
* 79 1,4-Dichlorobenzene-d4	152	7.477	7.480	(1.000)	233844	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.275	8.282	(0.893)	424837	43.7947	3400
* 80 Naphthalene-d8	136	9.266	9.272	(1.000)	946401	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.819	10.824	(0.914)	876859	42.1346	3200
* 82 Acenaphthene-d10	164	11.835	11.835	(1.000)	698549	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.991	12.995	(1.098)	264124	68.7561	5300
* 83 Phenanthrene-d10	188	13.983	13.981	(1.000)	1159122	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	16.282	16.280	(0.900)	1154161	44.3571	3400
63 bis(2-Ethylhexyl)phthalate	149	18.007	18.024	(0.995)	127955	4.11793	320(aH)
* 81 Chrysene-d12	240	18.096	18.107	(1.000)	1184183	40.0000	
* 84 Perylene-d12	264	21.790	21.802	(1.000)	1075045	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30708.d
Report Date: 09-Oct-2006 12:09

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30708.d
Date : 08-OCT-2006 09:37
Client ID: B1411-SS02
Sample Info: 775292,3281244
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30708.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-bis(2-Ethylhexyl)phthalat
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30708.d

Date : 08-OCT-2006 09:37

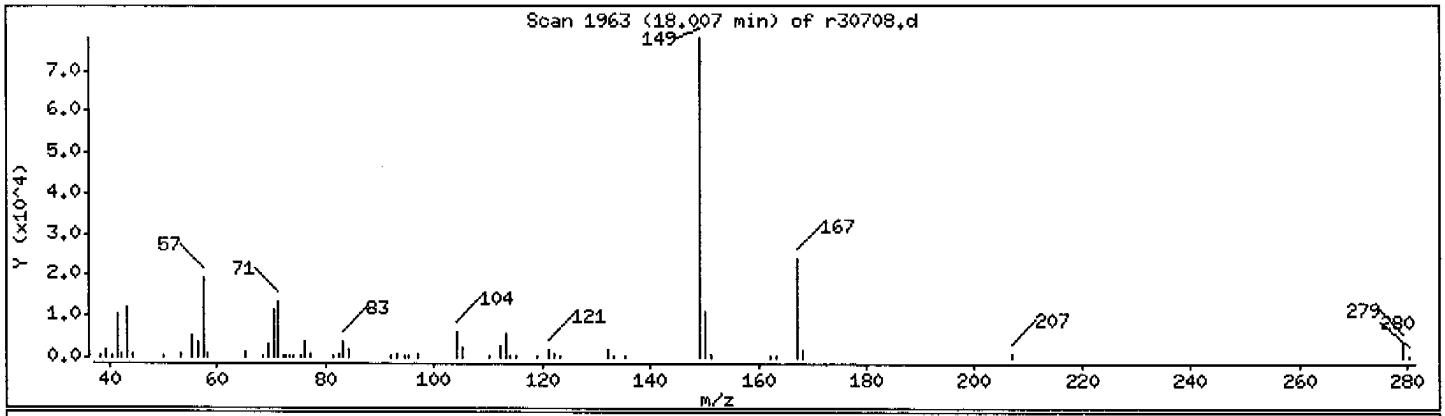
Client ID: B1411-SS02 Instrument: BNAMS1.i

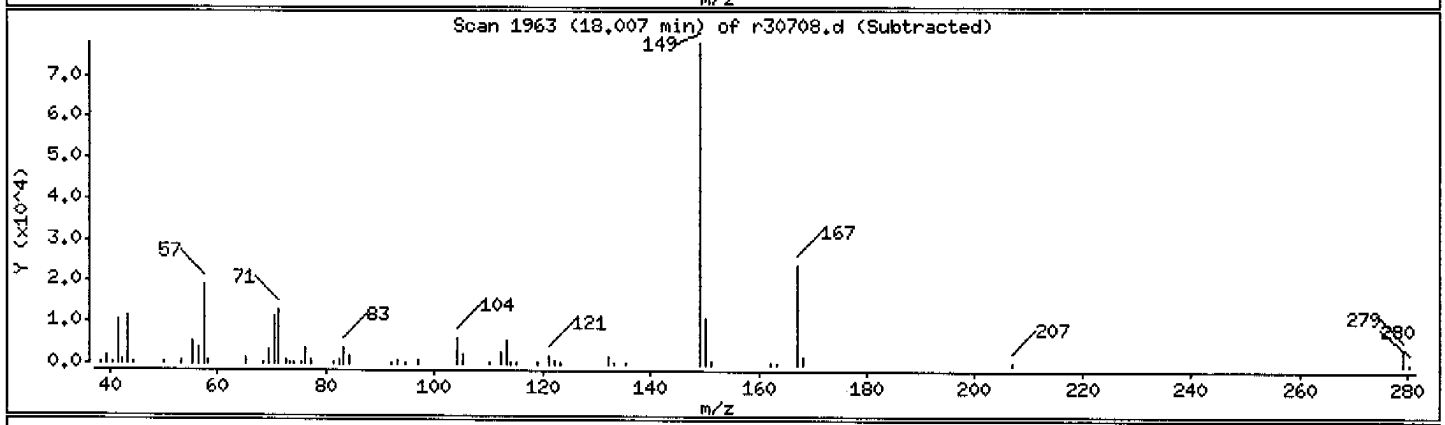
Sample Info: 775292:3281244

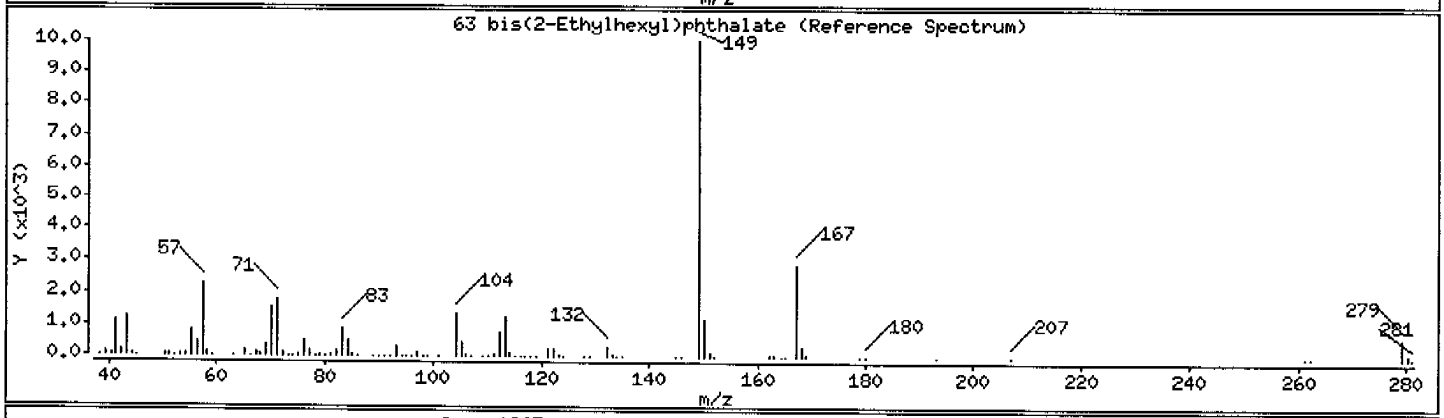
Operator: BNAMS 4

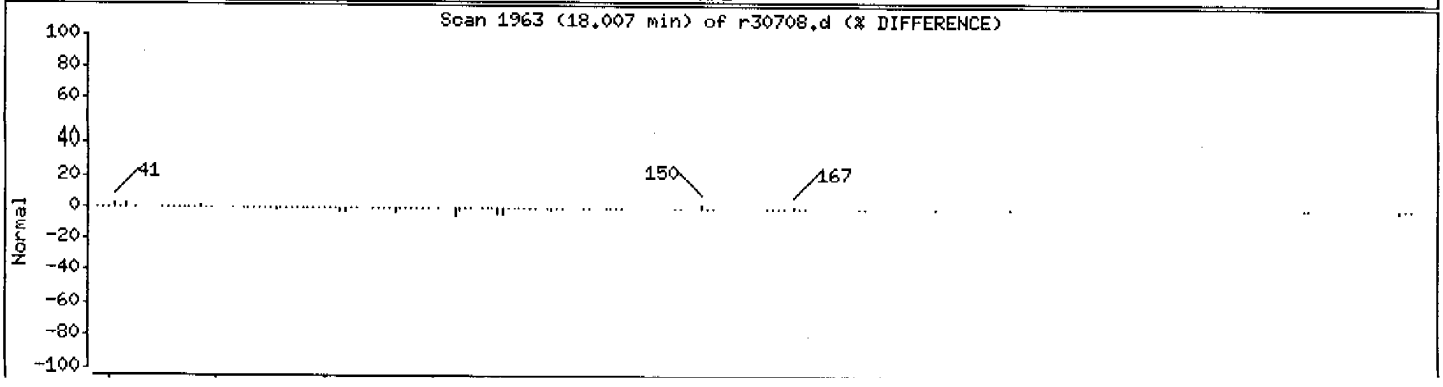
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 320 ug/Kg









Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30711.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	11 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	75
2-Methylnaphthalene	8.7J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	750
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	75
3-Nitroaniline	ND	750
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	75
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	750
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	11 J	380
Anthracene	ND	380

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30711.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	14 J	380
Pyrene	14 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	750
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	7100	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	10 J	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B106-SS01**
Site: Sun Chemical SI

Lab Sample No: **775294**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30711.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d
Report Date: 09-Oct-2006 12:09

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d
Lab Smp Id: 775294 Client Smp ID: B106-SS01
Inj Date : 08-OCT-2006 11:31
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775294;3281279
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 11:30 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	11.40000	% Moisture

Cpnd Variable Local Compound Variable

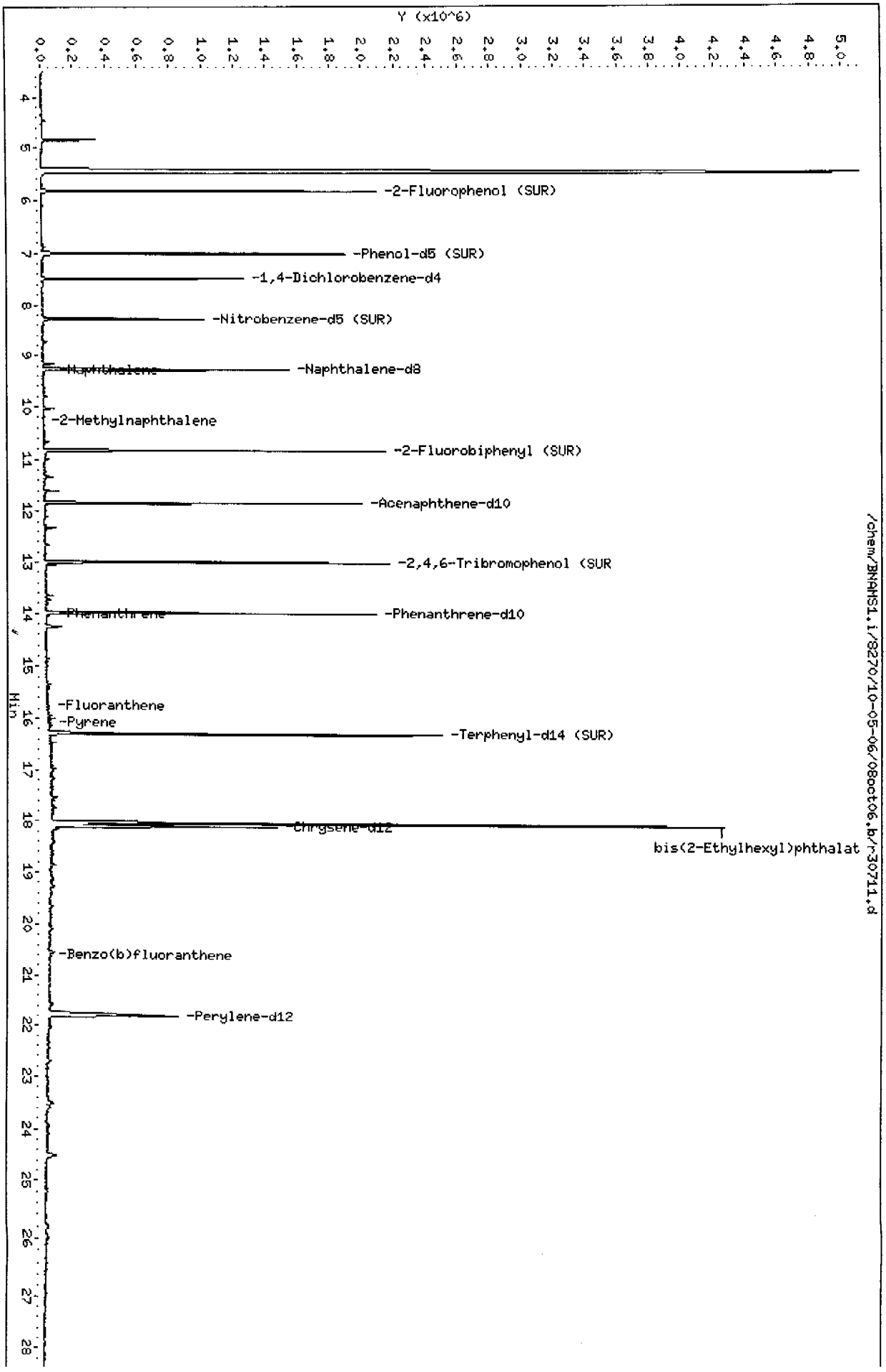
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.822	5.804	(0.778)	814428	87.6724	6600
$ 17 Phenol-d5 (SUR)	99	6.998	6.990	(0.936)	1002957	86.8542	6500
* 79 1,4-Dichlorobenzene-d4	152	7.479	7.480	(1.000)	248038	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.280	8.282	(0.894)	457750	43.2010	3200
* 80 Naphthalene-d8	136	9.267	9.272	(1.000)	1033736	40.0000	
31 Naphthalene	128	9.297	9.302	(1.003)	3736	0.14459	11(a)
34 2-Methylnaphthalene	142	10.275	10.281	(1.109)	2097	0.11605	8.7(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.823	10.824	(0.915)	924733	43.6596	3300
* 82 Acenaphthene-d10	164	11.833	11.835	(1.000)	710956	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.992	12.995	(1.098)	322133	82.3934	6200
* 83 Phenanthrene-d10	188	13.980	13.981	(1.000)	1111675	40.0000	
52 Phenanthrene	178	14.010	14.026	(1.002)	4745	0.14417	11(a)
56 Fluoranthene	202	15.751	15.767	(1.127)	6267	0.18573	14(a)
57 Pyrene	202	16.086	16.102	(0.889)	6393	0.19350	14(a)

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d
Report Date: 09-Oct-2006 12:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 78 Terphenyl-d14 (SUR)	244	16.281	16.280	(0.900)	1054702	46.5671	3500
63 bis(2-Ethylhexyl)phthalate	149	18.033	18.024	(0.996)	2562972	94.7584	7100
* 81 Chrysene-d12	240	18.099	18.107	(1.000)	1030781	40.0000	
65 Benzo(b)fluoranthene	252	20.617	20.666	(0.946)	4729	0.13637	10(aH)
* 84 Perylene-d12	264	21.799	21.802	(1.000)	908904	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d
Date : 08-OCT-2006 11:31
Client ID: B106-SS01
Sample Info: 775294;3281279
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
/chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
bis(2-Ethylhexyl)phthalat
-Benzo(b)fluoranthene
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d

Date : 08-OCT-2006 11:31

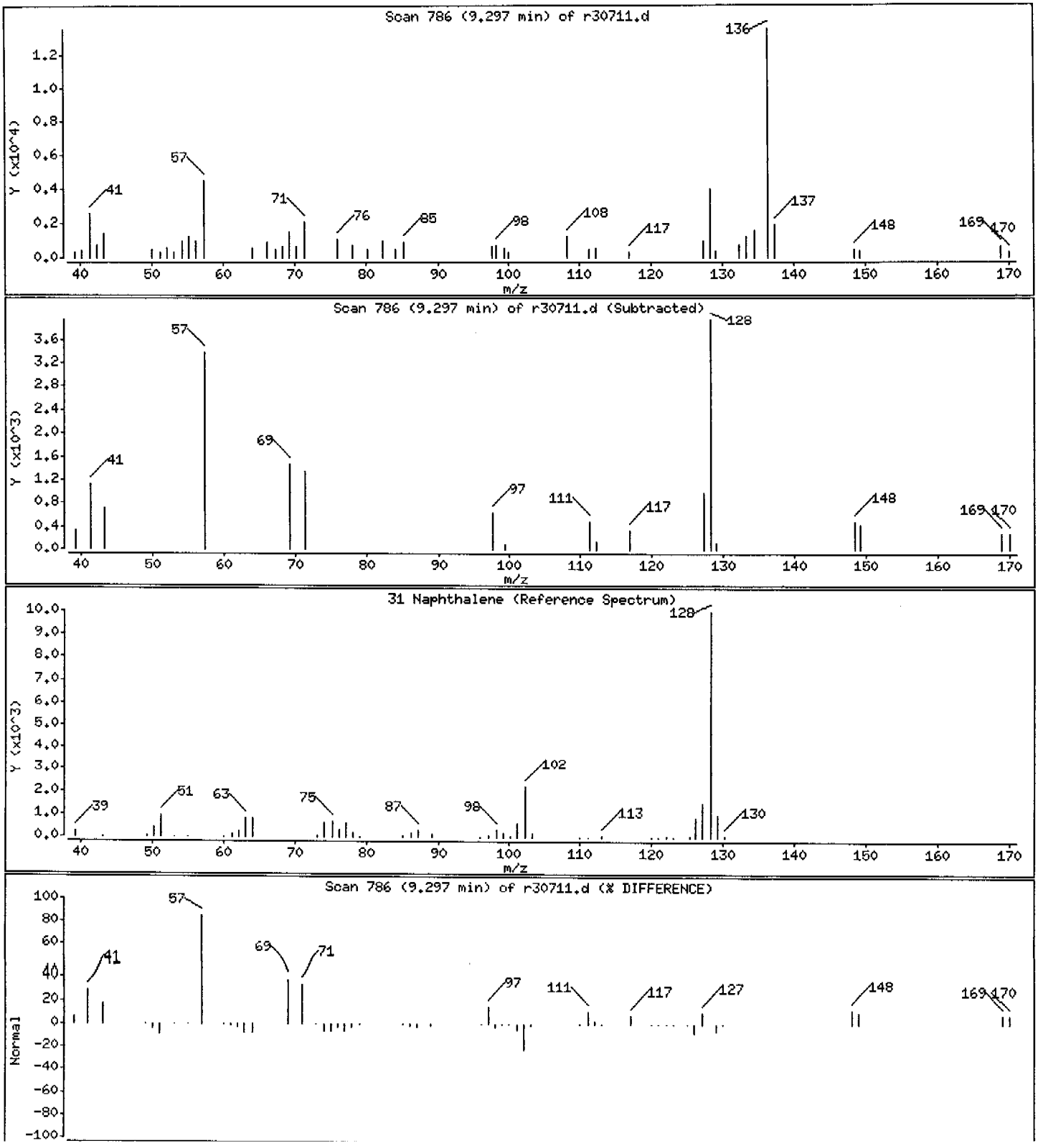
Client ID: B106-SS01 Instrument: BNAMS1.i

Sample Info: 775294;3281279

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 11 ug/Kg



Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d

Date : 08-OCT-2006 11:31

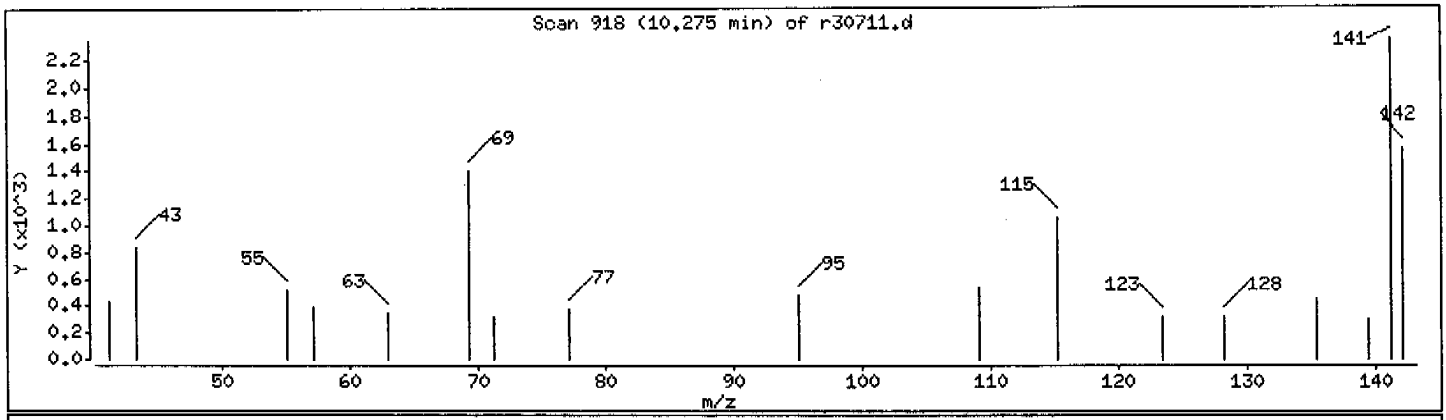
Client ID: B106-SS01 Instrument: BNAMS1.i

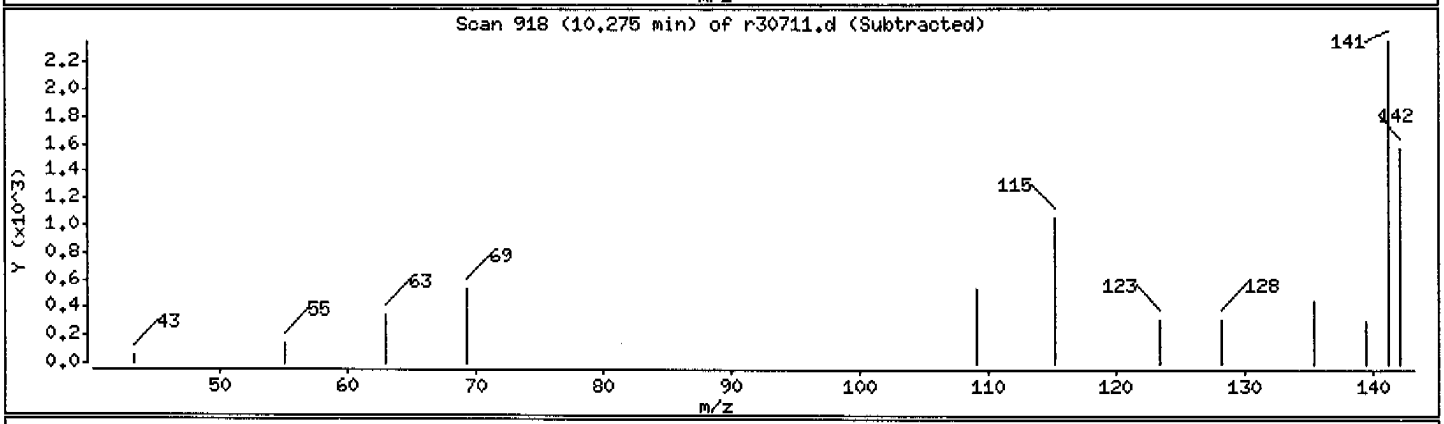
Sample Info: 775294;3281279

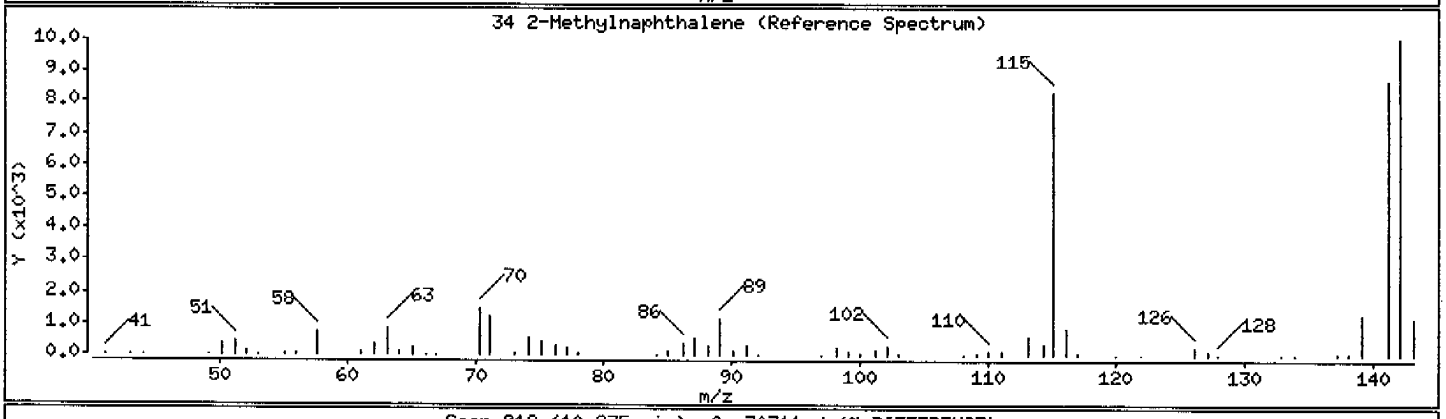
Operator: BNAMS 4

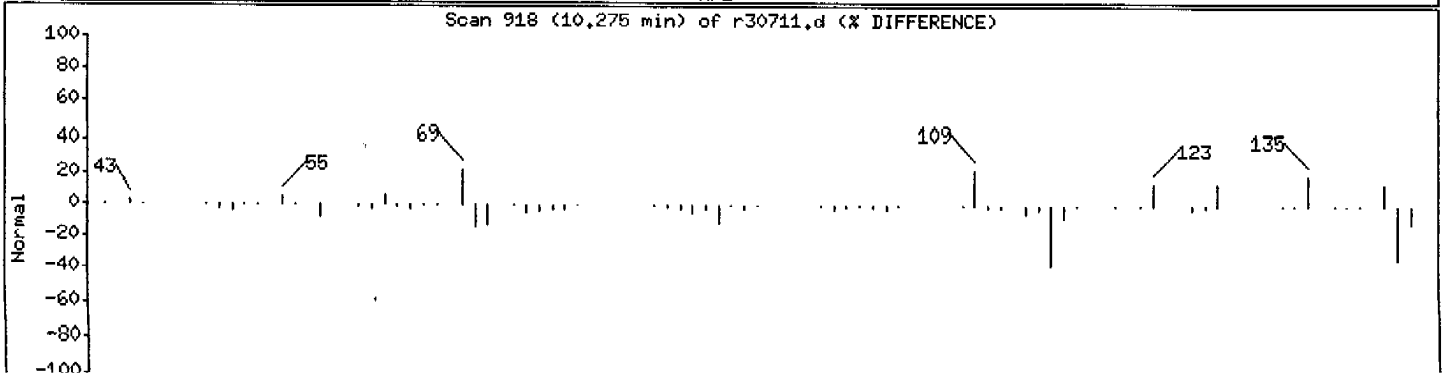
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 8.7 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d

Date : 08-OCT-2006 11:31

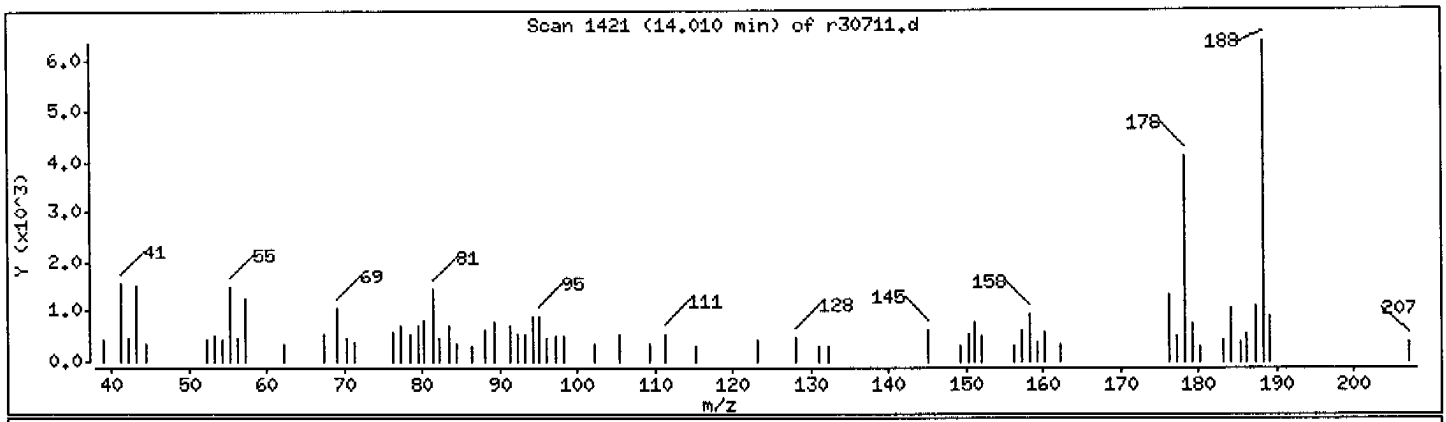
Client ID: B106-SS01 Instrument: BNAMS1.i

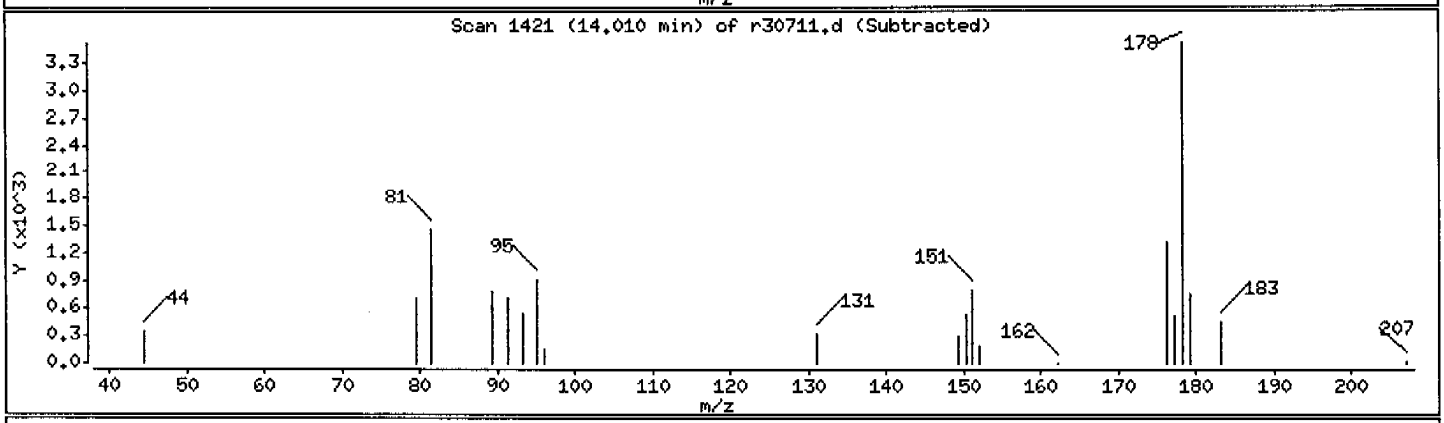
Sample Info: 775294;3281279

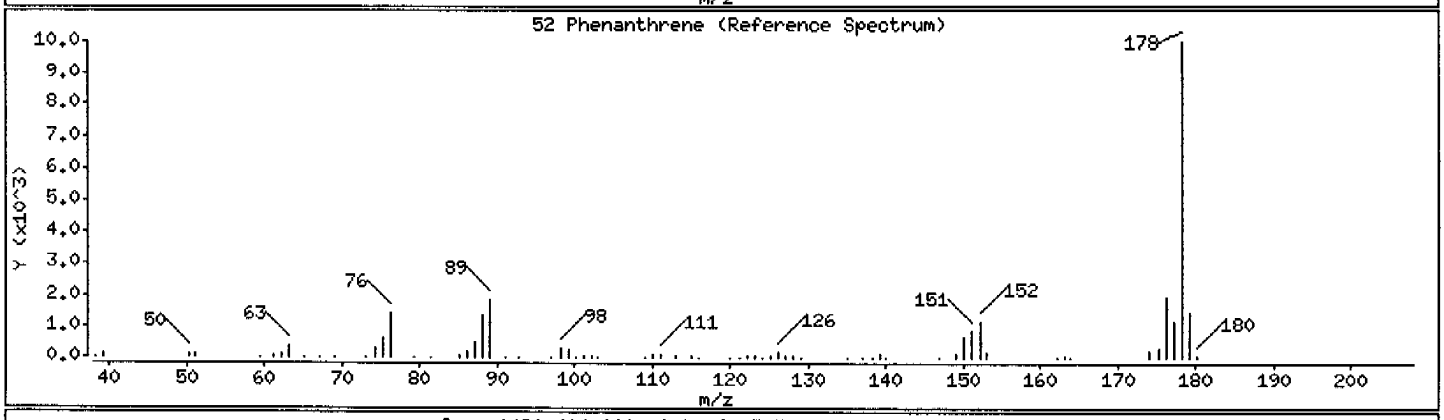
Operator: BNAMS 4

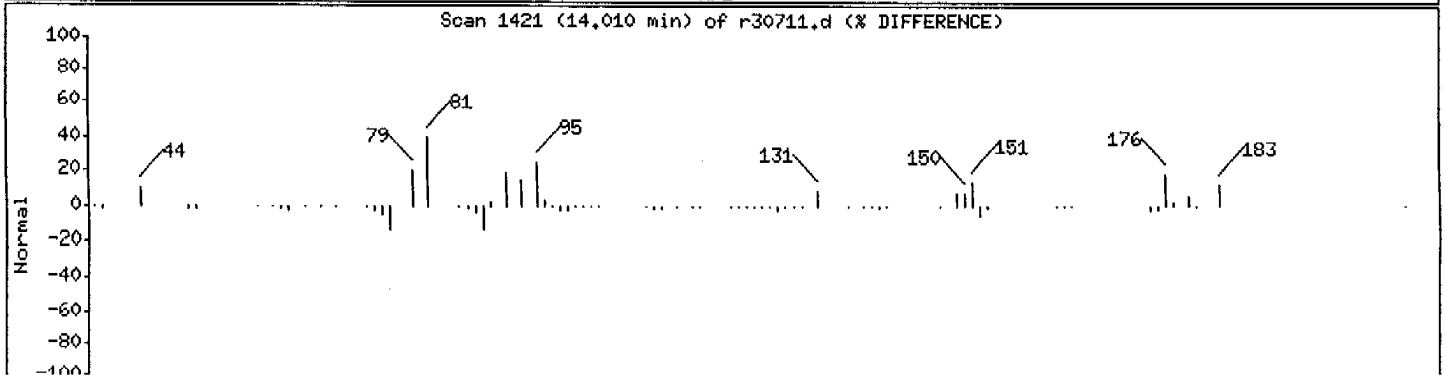
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 11 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d

Date : 08-OCT-2006 11:31

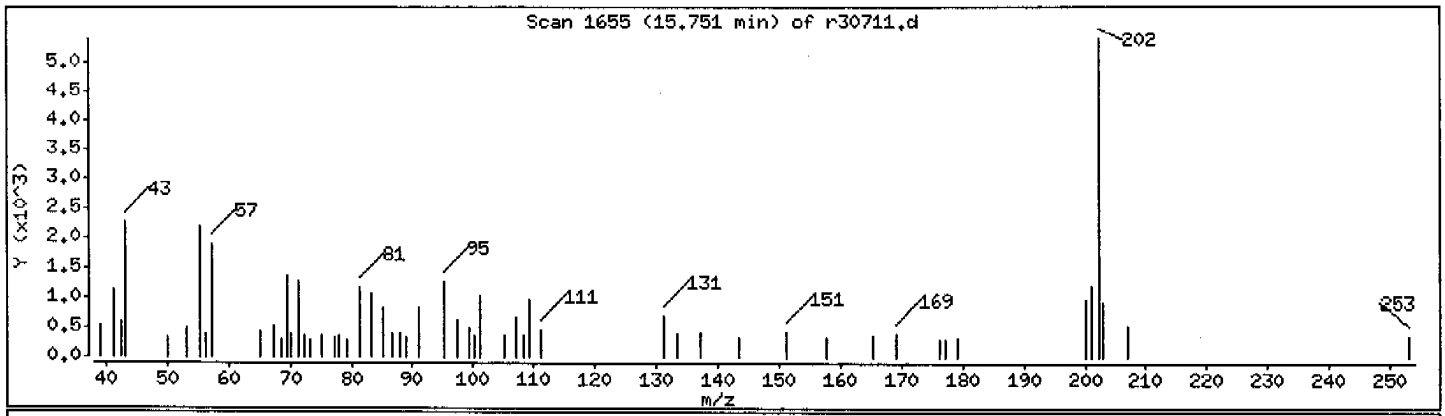
Client ID: B106-SS01 Instrument: BNAMS1.i

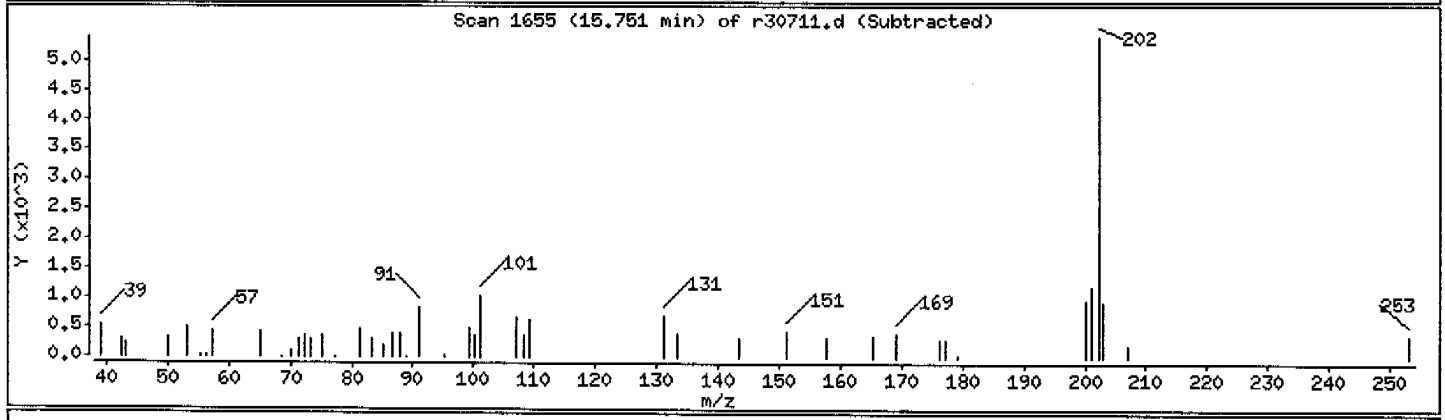
Sample Info: 775294;3281279

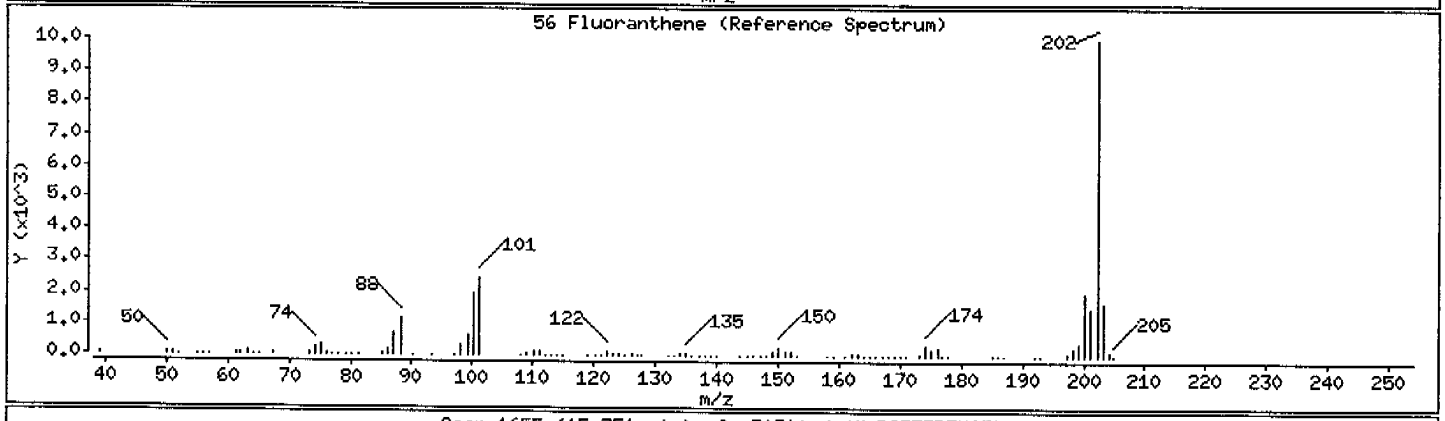
Operator: BNAMS 4

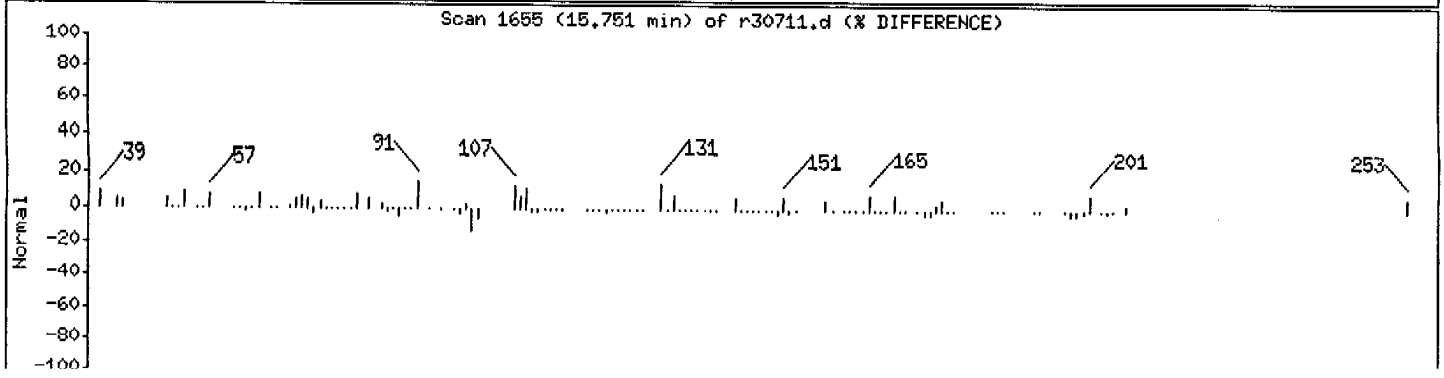
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 14 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d

Date : 08-OCT-2006 11:31

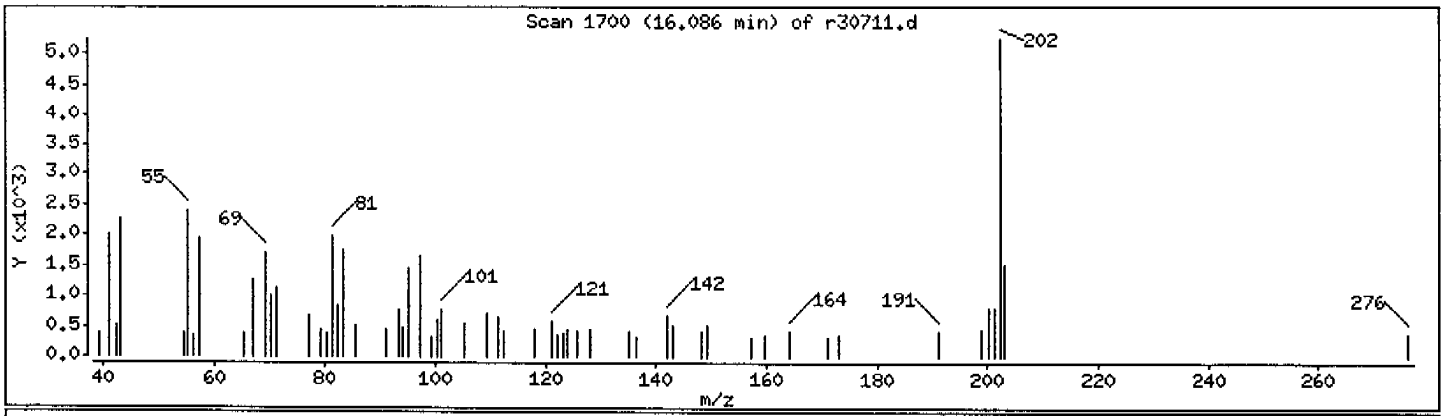
Client ID: B106-SS01 Instrument: BNAMS1.i

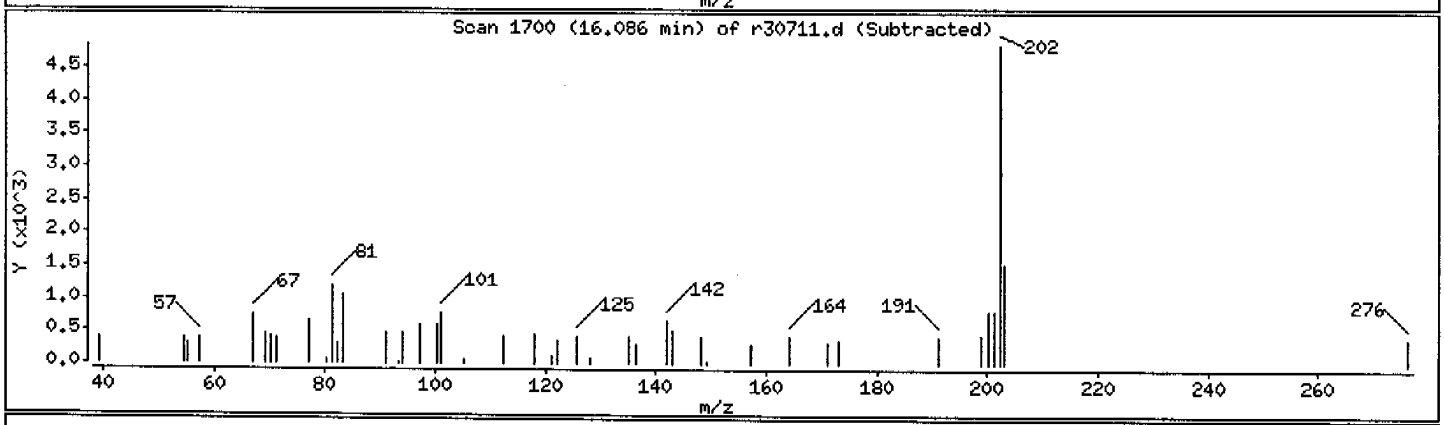
Sample Info: 775294;3281279

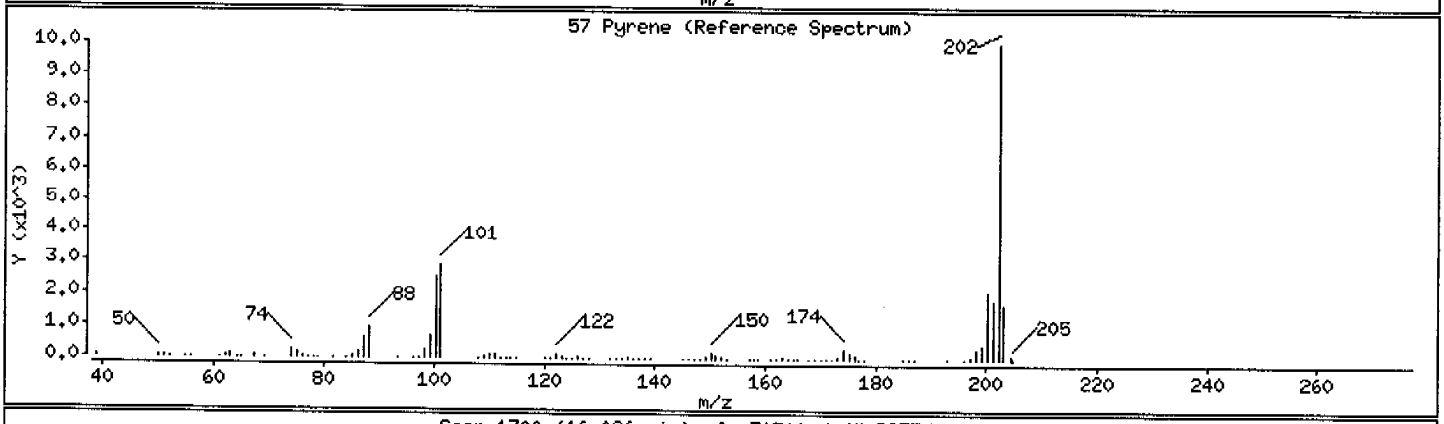
Operator: BNAMS 4

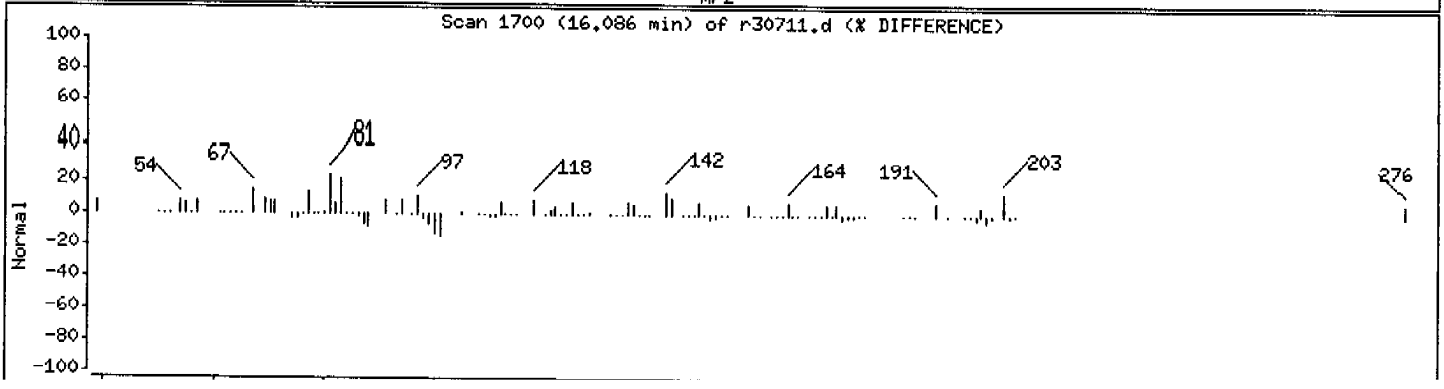
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 14 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d

Date : 08-OCT-2006 11:31

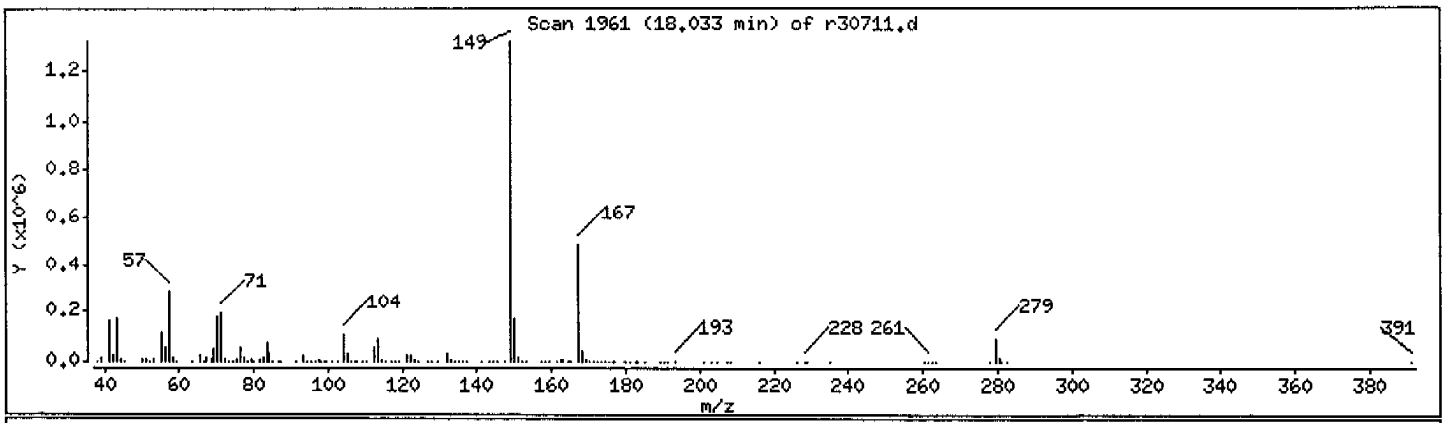
Client ID: B106-SS01 Instrument: BNAMS1.i

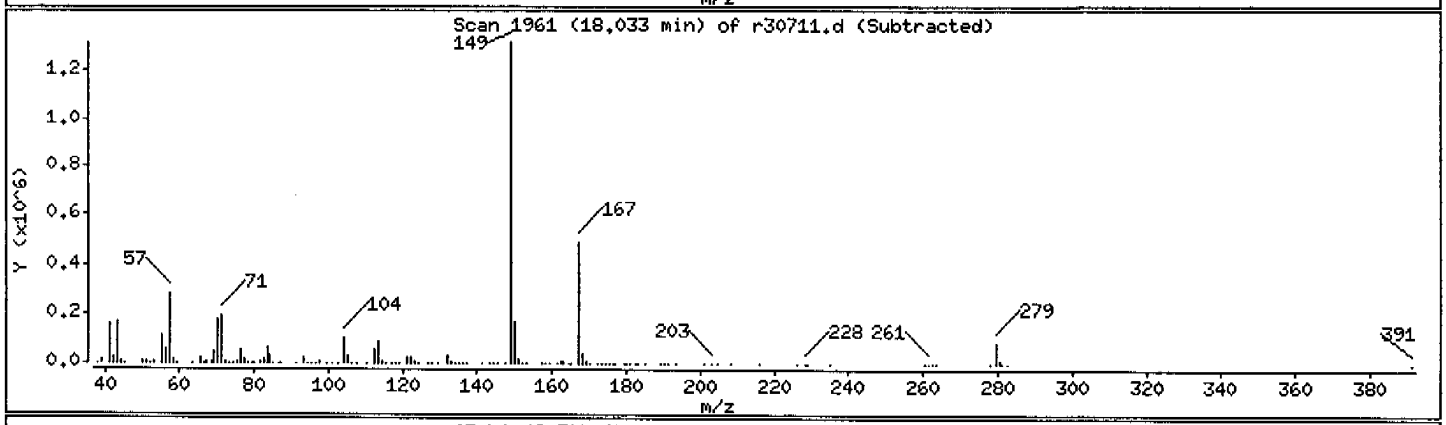
Sample Info: 775294:3281279

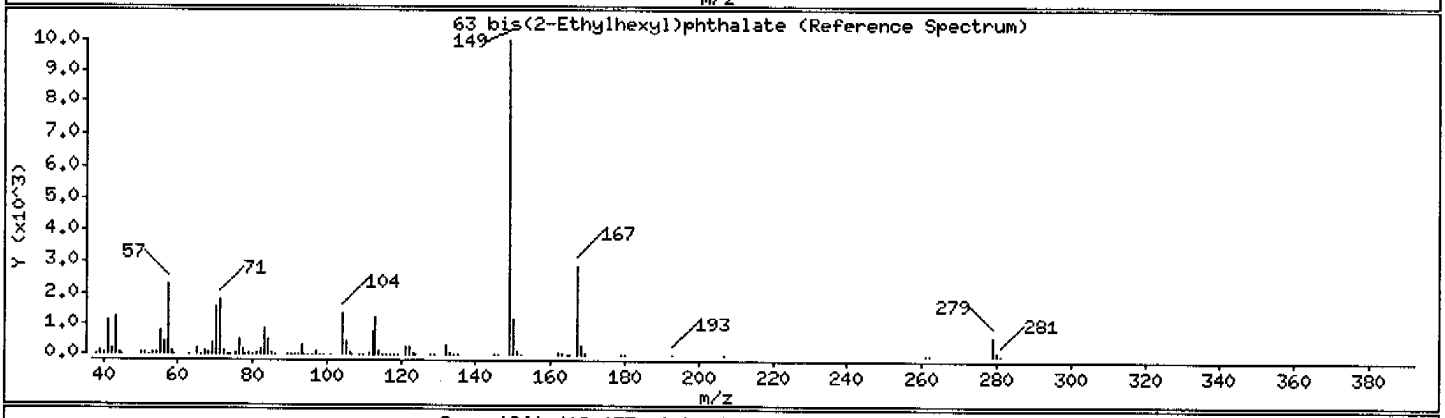
Operator: BNAMS 4

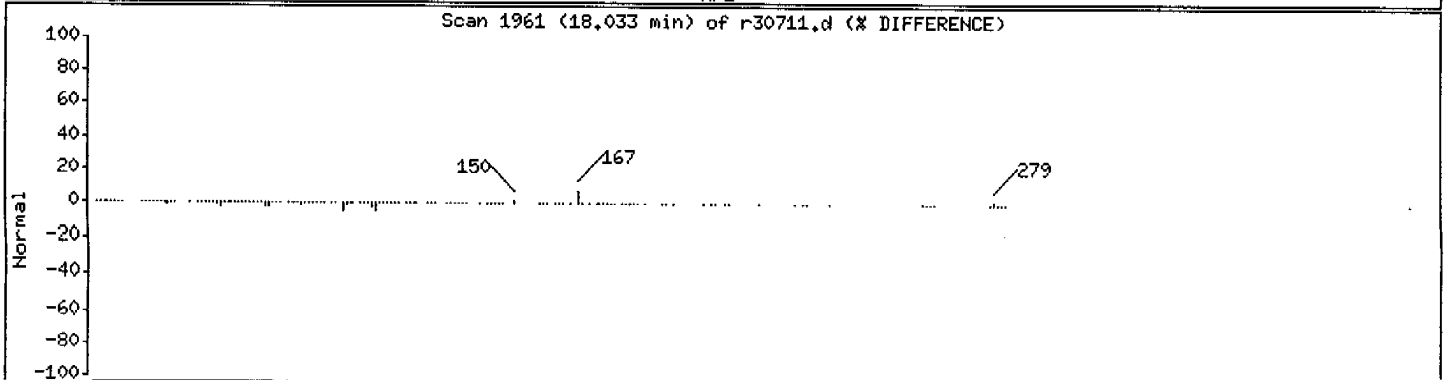
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 7100 ug/Kg









Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30711.d

Date : 08-OCT-2006 11:31

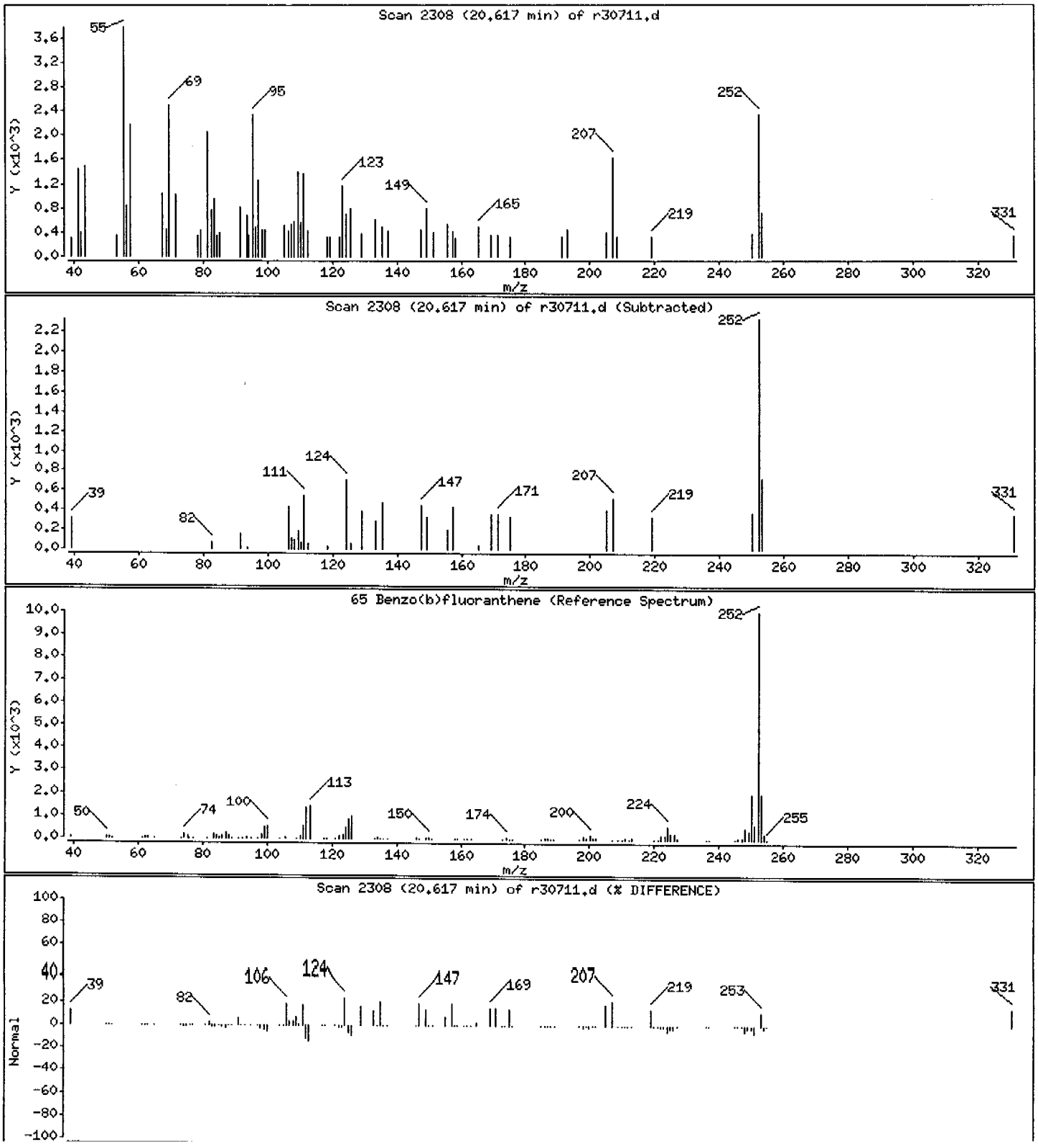
Client ID: B106-SS01 Instrument: BNAMS1.i

Sample Info: 775294;3281279

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 10 ug/Kg



Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30707.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
4-Chloroaniline	ND	390
Hexachlorobutadiene	ND	78
2-Methylnaphthalene	ND	390
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
2-Nitroaniline	ND	780
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	78
3-Nitroaniline	ND	780
Acenaphthene	ND	390
Dibenzofuran	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
4-Nitroaniline	ND	780
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	ND	390
Anthracene	ND	390

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30707.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	ND	390
Pyrene	ND	390
Butylbenzylphthalate	ND	390
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	ND	39
Chrysene	ND	390
bis(2-Ethylhexyl)phthalate	ND	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	ND	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	ND	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	ND	390

Client ID: **B106-SS02**
Site: Sun Chemical SI

Lab Sample No: **775295**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30707.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30707.d
Report Date: 09-Oct-2006 12:09

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

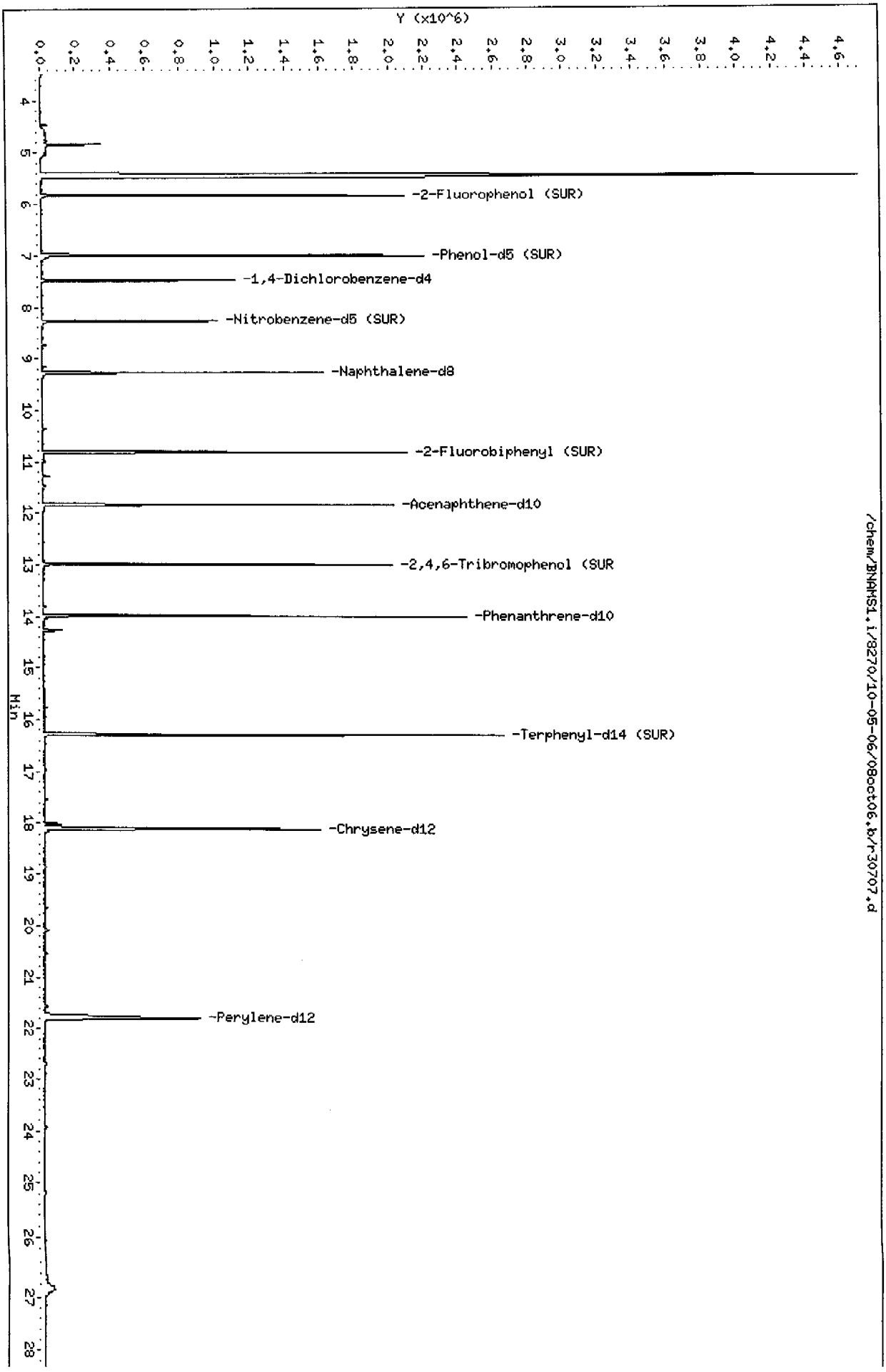
Data file : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30707.d
Lab Smp Id: 775295 Client Smp ID: B106-SS02
Inj Date : 08-OCT-2006 08:59
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : 775295;3281296
Misc Info : X924;SB278;QA4670
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 11:30 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	14.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.820	5.804	(0.778)	778328	87.3961	6800
$ 17 Phenol-d5 (SUR)	99	6.993	6.990	(0.935)	1022449	92.3569	7200
* 79 1,4-Dichlorobenzene-d4	152	7.480	7.480	(1.000)	237793	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.272	8.282	(0.892)	415567	38.5033	3000
* 80 Naphthalene-d8	136	9.271	9.272	(1.000)	1052974	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.820	10.824	(0.914)	870855	40.6448	3200
* 82 Acenaphthene-d10	164	11.833	11.835	(1.000)	719194	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.995	12.995	(1.098)	303798	76.8137	6000
* 83 Phenanthrene-d10	188	13.979	13.981	(1.000)	1231376	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	16.282	16.280	(0.900)	1206183	45.1445	3500
* 81 Chrysene-d12	240	18.096	18.107	(1.000)	1215973	40.0000	
* 84 Perylene-d12	264	21.787	21.802	(1.000)	1071383	40.0000	


Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30707.d
Date : 08-OCT-2006 08:59
Client ID: B106-SS02
Sample Info: 775295;3281296
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30707.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: R30669

DFTPP Injection Date: 10/05/06

Instrument ID: BNAMS1

DFTPP Injection Time: 1157

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.5
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	47.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	19.0
365	Greater than 1.0% of mass 198	1.40
441	0.0 - 100.0% of mass 443	8.8 (71.7)2
442	40.0 - 110.0% of mass 198	65.2
443	17.0 - 23.0% of mass 442	12.3 (18.9)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RSTD050	RSTD050	R30670	10/05/06	1221
02	RSTD120	RSTD120	R30671	10/05/06	1259
03	RSTD005	RSTD005	R30672	10/05/06	1337
04	RSTD080	RSTD080	R30673	10/05/06	1415
05	RSTD020	RSTD020	R30674	10/05/06	1453
06	RSTD010	RSTD010	R30675	10/05/06	1531
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS1.i/8270/10-05-06/05oct06.b/r30669.d

Date : 05-OCT-2006 11:57

Client ID:

Instrument: BNAMS1.i

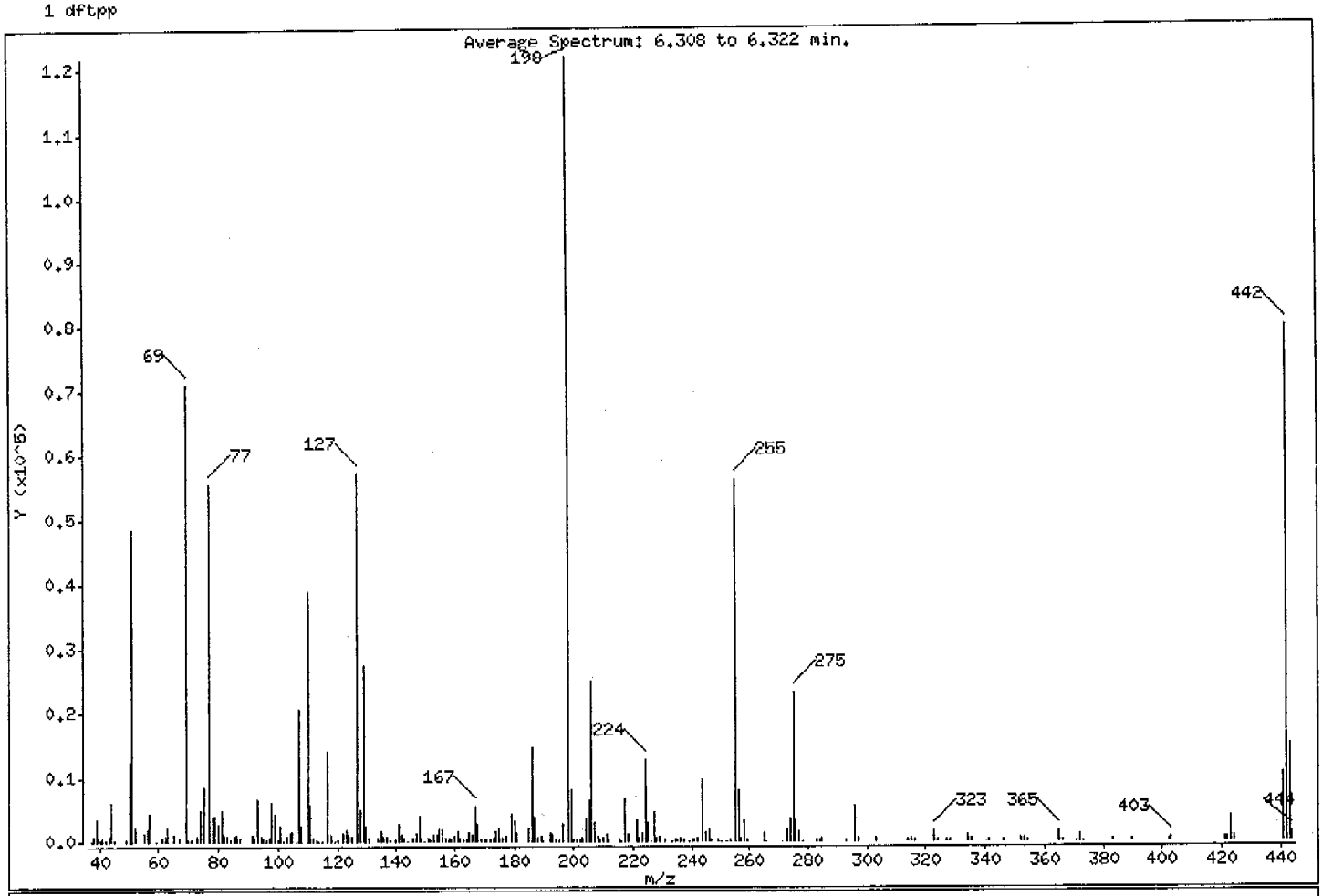
Sample Info: RDFTPP278

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.92
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	58.46
70	Less than 2.00% of mass 69	0.30 (0.51)
127	40.00 - 60.00% of mass 198	47.24
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.67
275	10.00 - 30.00% of mass 198	19.04
365	Greater than 1.00% of mass 198	1.40
441	0.01 - 100.00% of mass 443	8.82 (71.71)
442	40.00 - 110.00% of mass 198	65.24
443	17.00 - 23.00% of mass 442	12.30 (18.85)

Data File: /chem/BNAMS1.i/8270/10-05-06/05oct06.b/r30669.d

Date : 05-OCT-2006 11:57

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP278

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30669.d

Spectrum: Average Spectrum: 6.308 to 6.322 min.

Location of Maximum: 198.00

Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	120	112.00	441	177.00	967	250.00	110
38.00	725	113.00	258	179.00	4532	252.00	110
39.00	3588	114.00	113	180.00	3234	253.00	284
40.00	303	115.00	120	181.00	1492	255.00	56168
41.00	674	117.00	14191	185.00	2324	256.00	8240
42.00	350	118.00	1117	186.00	14735	257.00	456
43.00	862	119.00	129	187.00	3792	258.00	3288
44.00	6114	120.00	251	188.00	504	259.00	418
45.00	266	122.00	1420	189.00	977	265.00	1430
49.00	198	123.00	2037	190.00	128	266.00	115
50.00	12450	124.00	1045	192.00	1274	273.00	1910
51.00	48544	125.00	969	193.00	1223	274.00	3689
52.00	2143	127.00	57440	194.00	251	275.00	23152
55.00	1367	128.00	4997	195.00	167	276.00	3238
56.00	1982	129.00	27368	196.00	2786	277.00	1553
57.00	4493	130.00	2588	198.00	121600	278.00	108
59.00	139	131.00	434	199.00	8109	283.00	224
61.00	521	134.00	663	200.00	346	284.00	149
62.00	706	135.00	1761	201.00	170	285.00	465
63.00	2211	136.00	787	202.00	210	293.00	218
65.00	1048	137.00	800	203.00	596	296.00	5582
67.00	556	138.00	234	204.00	3568	297.00	565
69.00	71088	140.00	376	205.00	6464	303.00	555
70.00	366	141.00	2915	206.00	24760	314.00	168
71.00	381	142.00	1046	207.00	3149	315.00	581
73.00	722	143.00	484	208.00	772	316.00	270
74.00	5081	144.00	105	209.00	258	323.00	1702
75.00	8765	146.00	499	210.00	428	324.00	267
77.00	55696	147.00	1526	211.00	1030	327.00	198
78.00	3935	148.00	4080	212.00	279	328.00	165
79.00	4193	149.00	624	215.00	227	334.00	1203
80.00	2901	150.00	135	216.00	139	335.00	420
81.00	5000	151.00	450	217.00	6612	341.00	170
82.00	1000	152.00	297	218.00	1092	346.00	419
83.00	841	153.00	1063	221.00	3437	352.00	466

Data File: /chem/BNAMS1.i/8270/10-05-06/05oct06.b/r30669.d

Date : 05-OCT-2006 11:57

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP278

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30669.d

Spectrum: Average Spectrum: 6.308 to 6.322 min.

Location of Maximum: 198.00

Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	330	154.00	1110	222.00	536	353.00	423
85.00	837	155.00	1904	223.00	1267	354.00	342
86.00	998	156.00	1836	224.00	12975	365.00	1703
87.00	517	157.00	573	225.00	3178	366.00	230
91.00	1170	158.00	475	226.00	118	371.00	119
92.00	569	159.00	409	227.00	4878	372.00	1194
93.00	6833	160.00	748	228.00	679	373.00	104
94.00	952	161.00	1766	229.00	820	383.00	237
95.00	452	162.00	477	231.00	380	390.00	169
96.00	410	163.00	253	233.00	112	402.00	289
97.00	424	164.00	155	234.00	257	403.00	530
98.00	6039	165.00	1276	235.00	195	421.00	497
99.00	4474	166.00	1070	236.00	453	422.00	474
100.00	232	167.00	5598	237.00	314	423.00	4014
101.00	2405	168.00	2676	239.00	101	424.00	937
102.00	121	169.00	367	240.00	250	441.00	10725
103.00	795	170.00	317	241.00	146	442.00	79328
104.00	1460	171.00	305	242.00	603	443.00	14956
105.00	1550	172.00	349	244.00	9740	444.00	1302
107.00	20680	173.00	601	245.00	1488		
108.00	2381	174.00	1599	246.00	1983		
110.00	38904	175.00	2131	247.00	144		
111.00	5965	176.00	592	249.00	417		

Data File: /chem/BNAMS1.i/8270/10-05-06/05oct06.b/r30669.d

Date : 05-OCT-2006 11:57

Client ID:

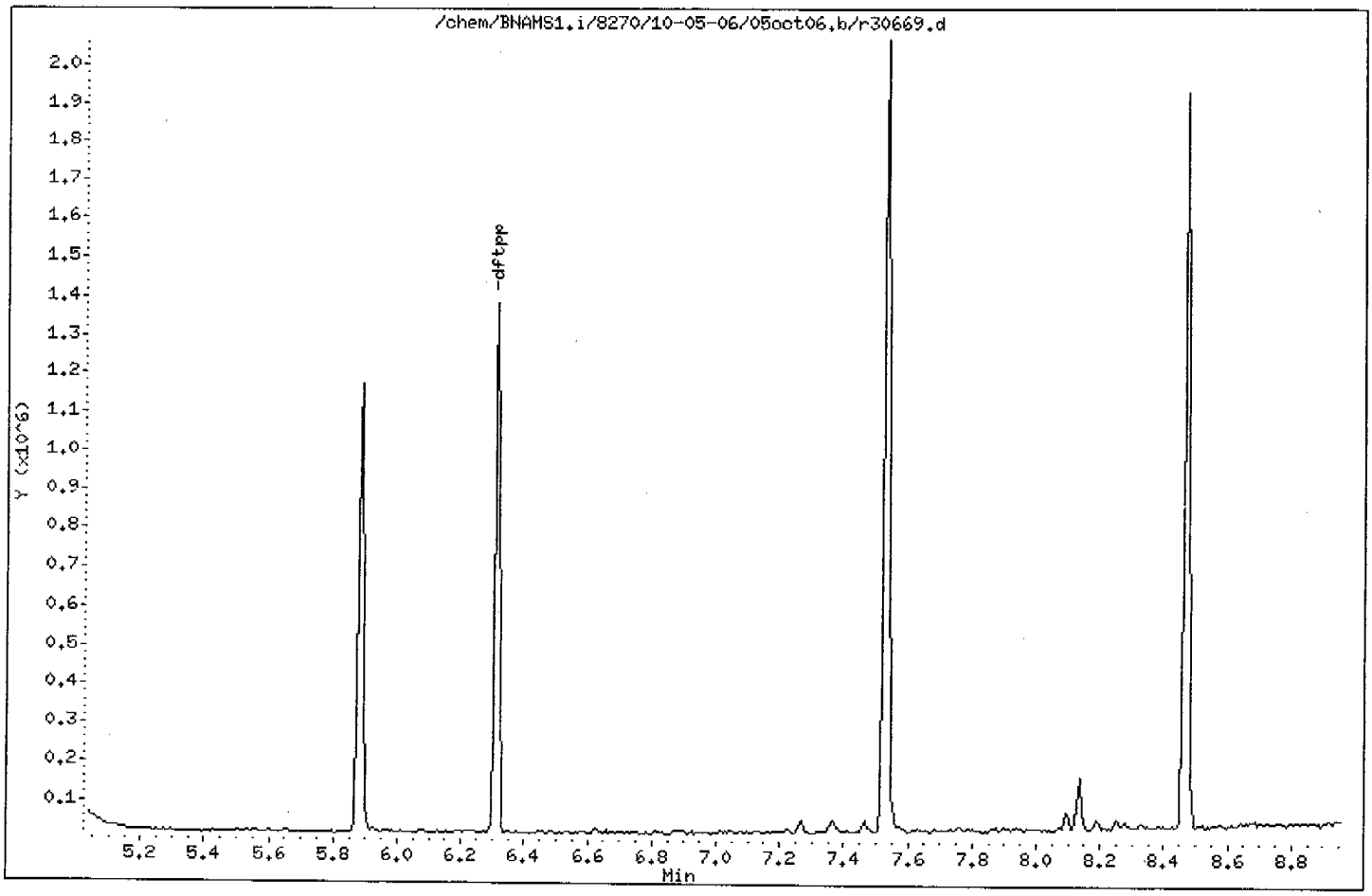
Instrument: BNAMS1.i

Sample Info: RDFTPP278

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: R30685

DFTPP Injection Date: 10/06/06

Instrument ID: BNAMS1

DFTPP Injection Time: 0913

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	52.8
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	20.7
365	Greater than 1.0% of mass 198	1.98
441	0.0 - 100.0% of mass 443	10.4 (76.6)2
442	40.0 - 110.0% of mass 198	66.4
443	17.0 - 23.0% of mass 442	13.6 (20.5)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RSTD279	RSTD279	R30686	10/06/06	0938
02	SB278	SB278	R30687	10/06/06	1016
03	B1408-SS02	775282	R30690	10/06/06	1210
04	B1408-SS02MS	775282MS	R30691	10/06/06	1247
05	B1408-SS02MS	775282MSD	R30692	10/06/06	1325
06	B1405-SS02	775286	R30693	10/06/06	1403
07	B1410-SS02	775279	R30695	10/06/06	1519
08	B1408-SS02D	775283	R30696	10/06/06	1557
09	B1407-SS02	775273	R30697	10/06/06	1634
10	B1405-SS01	775285	R30698	10/06/06	1712
11	B202-SS02	775270	R30699	10/06/06	1750
12	B202-SS01	775269	R30700	10/06/06	1828
13	B201-SS01	775267	R30701	10/06/06	1906
14					
15					
16					
17					
18					

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30685.d

Date : 06-OCT-2006 09:13

Client ID:

Instrument: BNAMS1.i

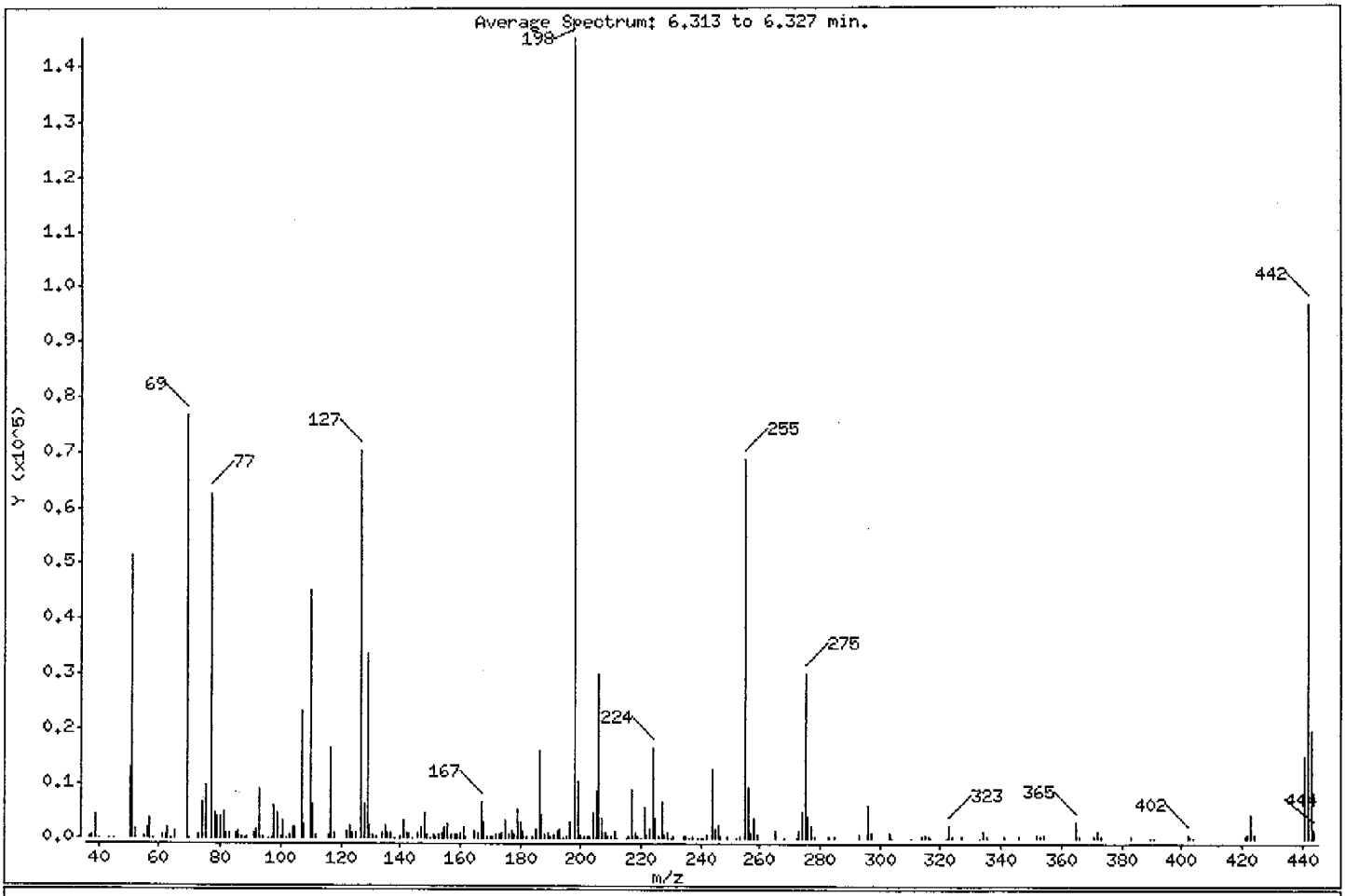
Sample Info: RDFTPP279

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.33
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	52.84
70	Less than 2.00% of mass 69	0.10 (0.20)
127	40.00 - 60.00% of mass 198	48.57
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.14
275	10.00 - 30.00% of mass 198	20.68
365	Greater than 1.00% of mass 198	1.98
441	0.01 - 100.00% of mass 443	10.42 (76.56)
442	40.00 - 110.00% of mass 198	66.41
443	17.00 - 23.00% of mass 442	13.62 (20.50)

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30685.d

Date : 06-OCT-2006 09:13

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP279

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30685.d

Spectrum: Average Spectrum: 6.313 to 6.327 min.

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	240	123.00	2438	188.00	571	257.00	928
38.00	779	124.00	1014	189.00	1042	258.00	3727
39.00	4221	125.00	1060	190.00	206	259.00	630
40.00	163	127.00	70440	191.00	549	265.00	1328
43.00	165	128.00	6428	192.00	1427	268.00	135
45.00	122	129.00	33760	193.00	1831	272.00	128
50.00	13115	130.00	2468	194.00	145	273.00	1480
51.00	51240	131.00	673	195.00	300	274.00	4948
52.00	1791	132.00	255	196.00	3145	275.00	29992
55.00	359	134.00	1129	198.00	145024	276.00	4098
56.00	1954	135.00	2383	199.00	10359	277.00	2329
57.00	3731	136.00	972	200.00	695	278.00	315
58.00	140	137.00	997	201.00	307	283.00	279
61.00	769	138.00	111	202.00	275	285.00	283
62.00	697	140.00	410	203.00	480	293.00	540
63.00	2049	141.00	3408	204.00	4522	296.00	5873
64.00	103	142.00	1067	205.00	8507	297.00	970
65.00	1203	143.00	886	206.00	30072	303.00	1011
69.00	76640	144.00	112	207.00	3535	304.00	147
70.00	151	146.00	974	208.00	843	310.00	103
73.00	655	147.00	1889	209.00	338	314.00	475
74.00	6757	148.00	4541	210.00	340	315.00	744
75.00	9532	149.00	789	211.00	1359	316.00	414
77.00	62664	150.00	107	212.00	110	317.00	108
78.00	4593	151.00	532	215.00	109	322.00	152
79.00	4083	152.00	200	216.00	273	323.00	2446
80.00	3952	153.00	782	217.00	8963	324.00	299
81.00	5065	154.00	891	218.00	840	327.00	217
82.00	1064	155.00	2138	219.00	181	333.00	163
83.00	1134	156.00	2668	220.00	130	334.00	1253
85.00	885	157.00	626	221.00	5683	335.00	315
86.00	1178	158.00	697	222.00	771	341.00	233
87.00	500	159.00	648	223.00	1552	346.00	172
88.00	128	160.00	835	224.00	16704	352.00	597
89.00	222	161.00	1901	225.00	3511	353.00	346

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30685.d

Date : 06-OCT-2006 09:13

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP279

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30685.d

Spectrum: Average Spectrum: 6.313 to 6.327 min.

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	1018	162.00	470	226.00	204	354.00	637
92.00	1715	165.00	1350	227.00	6822	365.00	2877
93.00	8931	166.00	946	228.00	824	366.00	299
94.00	468	167.00	6624	229.00	1126	371.00	237
96.00	163	168.00	2965	230.00	123	372.00	1411
97.00	144	169.00	477	231.00	451	373.00	315
98.00	6021	170.00	285	234.00	171	383.00	262
99.00	4671	171.00	328	235.00	339	390.00	104
100.00	412	172.00	615	236.00	128	391.00	123
101.00	3216	173.00	726	237.00	264	402.00	510
102.00	137	174.00	1132	239.00	125	403.00	429
103.00	734	175.00	3279	240.00	113	404.00	103
104.00	2164	176.00	802	241.00	119	421.00	492
105.00	1924	177.00	1183	242.00	536	422.00	609
107.00	23376	178.00	556	244.00	12552	423.00	4206
108.00	2725	179.00	5168	245.00	1673	424.00	824
110.00	45168	180.00	2923	246.00	2196	441.00	15120
111.00	6467	181.00	1238	247.00	452	442.00	96312
112.00	550	182.00	264	249.00	306	443.00	19744
116.00	817	184.00	296	252.00	116	444.00	1505
117.00	16752	185.00	1648	253.00	393		
118.00	924	186.00	15836	255.00	68520		
122.00	1477	187.00	4492	256.00	9273		

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30685.d

Date : 06-OCT-2006 09:13

Client ID:

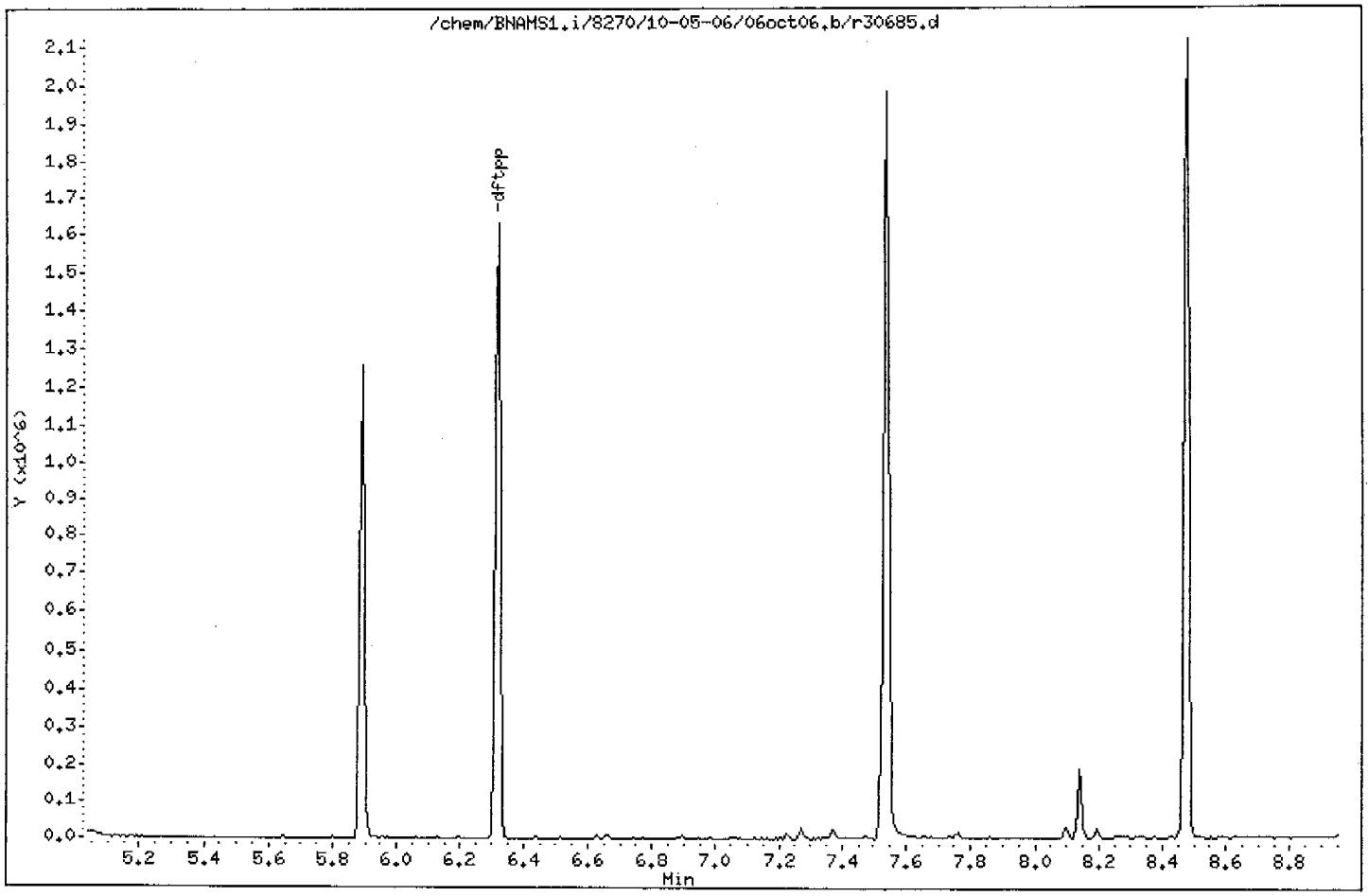
Instrument: BNAMS1.i

Sample Info: RDFTPP279

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: R30705

DFTPP Injection Date: 10/08/06

Instrument ID: BNAMS1

DFTPP Injection Time: 0802

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	43.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	40.0 - 60.0% of mass 198	52.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	19.6
365	Greater than 1.0% of mass 198	1.84
441	0.0 - 100.0% of mass 443	9.5 (76.0)2
442	40.0 - 110.0% of mass 198	65.3
443	17.0 - 23.0% of mass 442	12.5 (19.1)3

1-Value is % mass 69
2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RSTD281	RSTD281	R30706	10/08/06	0821
02	B106-SS02	775295	R30707	10/08/06	0859
03	B1411-SS02	775292	R30708	10/08/06	0937
04	B1411-SS01	775291	R30710	10/08/06	1053
05	B106-SS01	775294	R30711	10/08/06	1131
06	B1408-SS01	775281	R30714	10/08/06	1325
07	B1406-SS01R1	775288R1	R30717	10/08/06	1519
08	B201-SS01R1	775267R1	R30718	10/08/06	1557
09	B201-SS02	775268R1	R30719	10/08/06	1635
10	B202-SS01R1	775269R1	R30720	10/08/06	1713
11	B1410-SS01R1	775278R1	R30721	10/08/06	1751
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30705.d

Date : 08-OCT-2006 08:02

Client ID:

Instrument: BNAMS1.i

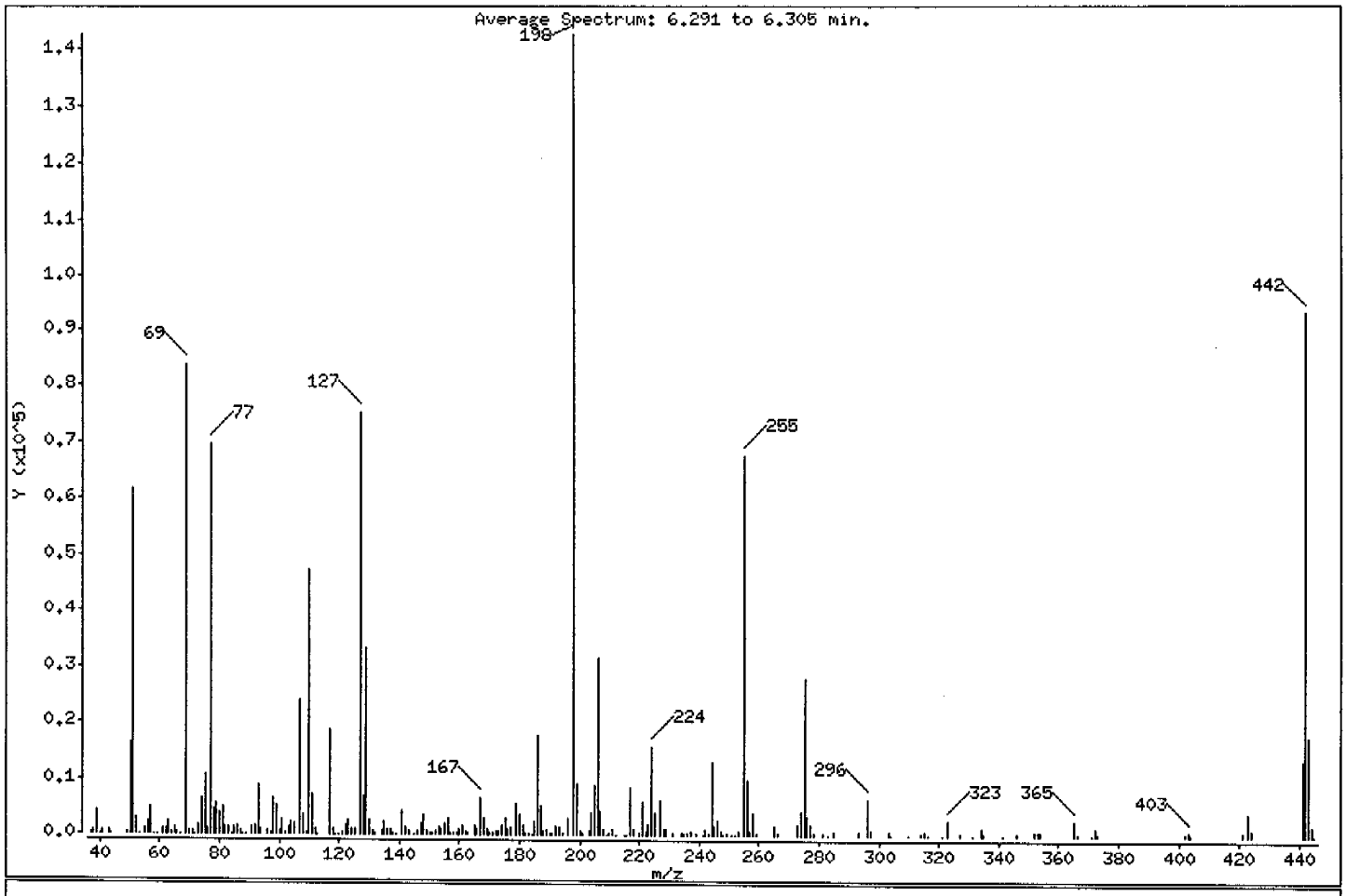
Sample Info: RDFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.12
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	58.67
70	Less than 2.00% of mass 69	0.42 (0.72)
127	40.00 - 60.00% of mass 198	52.55
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.46
275	10.00 - 30.00% of mass 198	19.64
365	Greater than 1.00% of mass 198	1.84
441	0.01 - 100.00% of mass 443	9.47 (76.02)
442	40.00 - 110.00% of mass 198	65.32
443	17.00 - 23.00% of mass 442	12.46 (19.08)

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30705.d

Date : 08-OCT-2006 08:02

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30705.d
Spectrum: Average Spectrum: 6.291 to 6.305 min.
Location of Maximum: 198.00
Number of points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	335	108.00	3621	176.00	909	249.00	317
38.00	800	109.00	268	177.00	1262	251.00	145
39.00	4169	110.00	47376	179.00	5430	252.00	138
40.00	103	111.00	7296	180.00	3676	253.00	526
41.00	544	112.00	988	181.00	1773	255.00	67704
43.00	642	113.00	129	182.00	391	256.00	9803
44.00	115	117.00	18856	183.00	230	257.00	689
49.00	323	118.00	1019	184.00	107	258.00	3775
50.00	16249	119.00	134	185.00	2400	259.00	361
51.00	61536	120.00	102	186.00	17696	265.00	1559
52.00	2801	121.00	229	187.00	5213	266.00	173
53.00	106	122.00	1797	188.00	715	273.00	1857
55.00	857	123.00	2638	189.00	903	274.00	4346
56.00	2168	124.00	902	190.00	218	275.00	28024
57.00	4984	125.00	956	191.00	426	276.00	3273
58.00	132	127.00	74992	192.00	1517	277.00	2057
59.00	115	128.00	6985	193.00	1403	278.00	225
61.00	961	129.00	33144	194.00	253	281.00	198
62.00	1021	130.00	2561	196.00	3015	283.00	116
63.00	2186	131.00	597	198.00	142656	285.00	557
64.00	250	132.00	212	199.00	9224	293.00	586
65.00	1355	134.00	711	200.00	652	296.00	6576
66.00	184	135.00	2229	201.00	463	297.00	867
67.00	114	136.00	847	203.00	577	303.00	779
69.00	83728	137.00	949	204.00	4073	304.00	128
70.00	606	138.00	180	205.00	8871	310.00	120
71.00	509	139.00	106	206.00	31544	314.00	284
72.00	134	141.00	4324	207.00	4115	315.00	584
73.00	1610	142.00	1420	208.00	1128	316.00	105
74.00	6688	143.00	571	209.00	151	321.00	122
75.00	10758	145.00	116	210.00	406	323.00	2573
76.00	1011	146.00	714	211.00	1130	327.00	350
77.00	69608	147.00	2121	212.00	126	331.00	101
78.00	4622	148.00	3741	215.00	122	334.00	1221
79.00	5469	149.00	659	216.00	153	335.00	223

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30705.d

Date : 08-OCT-2006 08:02

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30705.d
Spectrum: Average Spectrum: 6.291 to 6.305 min.
Location of Maximum: 198.00
Number of points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	3793	150.00	284	217.00	8672	341.00	127
81.00	4993	151.00	485	218.00	1030	346.00	236
82.00	1475	152.00	552	220.00	208	352.00	608
83.00	1444	153.00	1355	221.00	5777	353.00	727
84.00	112	154.00	997	222.00	564	354.00	569
85.00	1197	155.00	2125	223.00	2007	365.00	2623
86.00	1786	156.00	3072	224.00	15758	366.00	326
87.00	692	157.00	319	225.00	3854	371.00	111
88.00	126	158.00	475	227.00	6283	372.00	1180
89.00	109	159.00	345	228.00	1097	373.00	393
91.00	1422	160.00	941	229.00	1076	402.00	470
92.00	1613	161.00	1493	231.00	439	403.00	609
93.00	8768	162.00	506	234.00	211	404.00	124
94.00	853	163.00	236	235.00	295	421.00	603
96.00	659	165.00	1532	236.00	308	423.00	4082
97.00	266	166.00	967	237.00	793	424.00	834
98.00	6689	167.00	6687	239.00	181	441.00	13522
99.00	5218	168.00	3113	241.00	126	442.00	93224
100.00	577	169.00	843	242.00	988	443.00	17784
101.00	2670	170.00	197	243.00	258	444.00	1502
102.00	292	171.00	346	244.00	13064	445.00	104
103.00	1384	172.00	631	245.00	1626		
104.00	2222	173.00	656	246.00	2759		
105.00	2032	174.00	1540	247.00	593		
107.00	23936	175.00	2978	248.00	109		

Data File: /chem/BNAMS1.i/8270/10-05-06/08oct06.b/r30705.d

Date : 08-OCT-2006 08:02

Client ID:

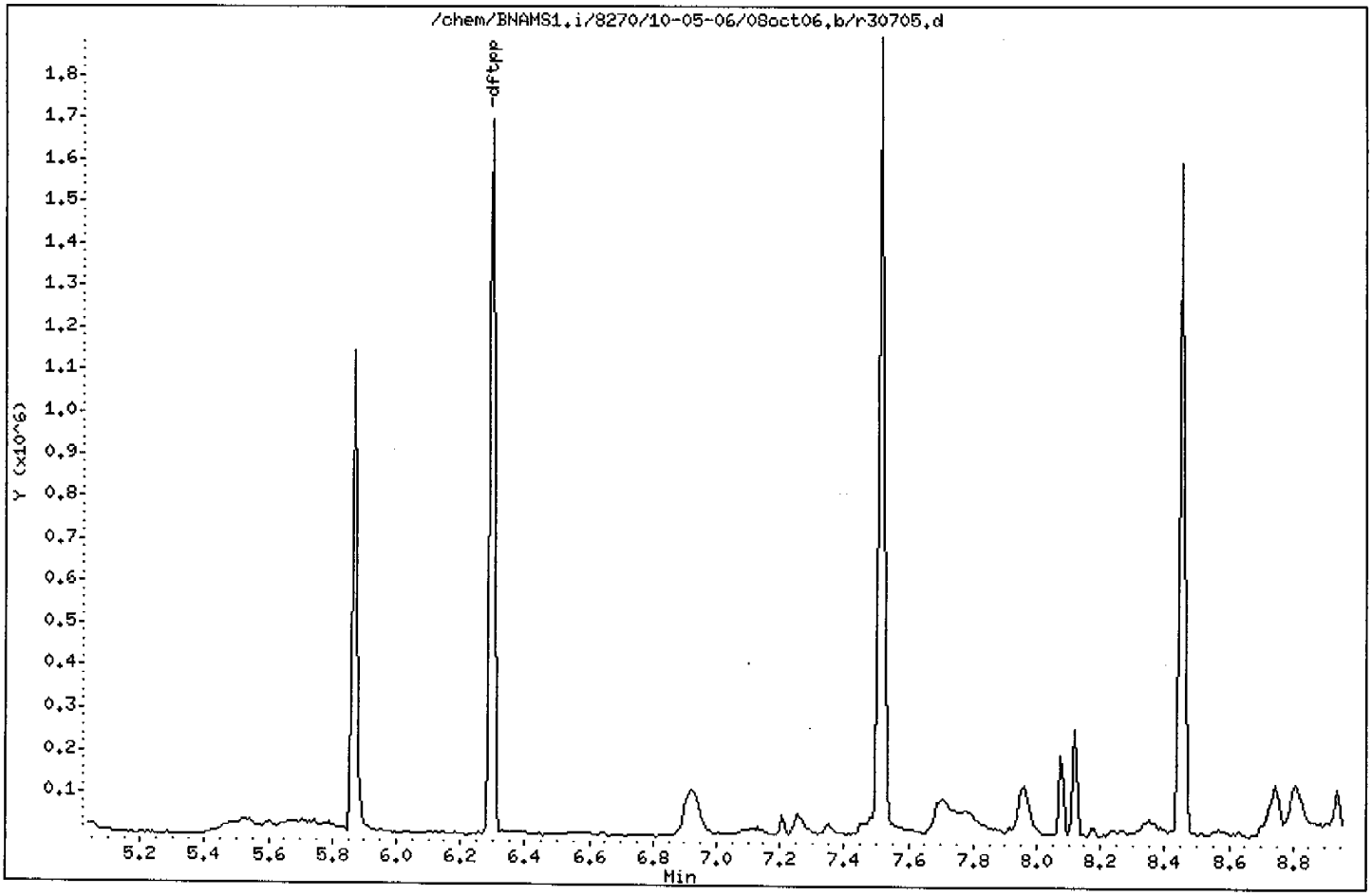
Instrument: BNAMS1.i

Sample Info: RDFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: R30722

DFTPP Injection Date: 10/09/06

Instrument ID: BNAMS1

DFTPP Injection Time: 1007

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	57.9
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	50.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	18.5
365	Greater than 1.0% of mass 198	1.95
441	0.0 - 100.0% of mass 443	8.0 (71.8)2
442	40.0 - 110.0% of mass 198	57.5
443	17.0 - 23.0% of mass 442	11.1 (19.3)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RSTD282	RSTD282	R30723	10/09/06	1028
02	B1407-SS01	775272	R30728	10/09/06	1342
03	B1406-SS02	775289	R30730	10/09/06	1459
04	B1406-SS01	775288	R30732	10/09/06	1616
05	B201-SS02	775268	R30733	10/09/06	1655
06	B1410-SS01	775278	R30734	10/09/06	1733
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30722.d

Date : 09-OCT-2006 10:07

Client ID:

Instrument: BNAMS1.i

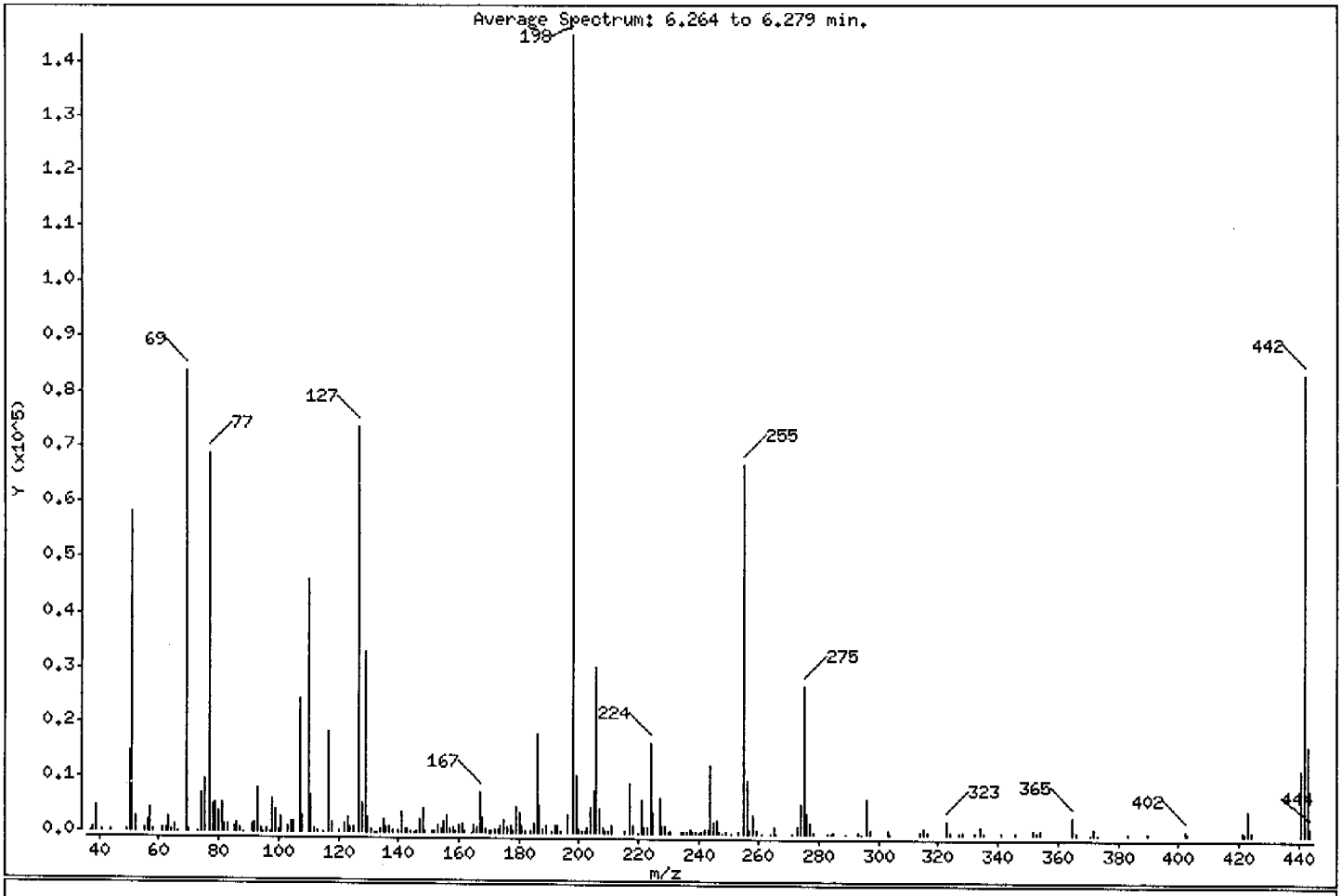
Sample Info: RDFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.93
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	57.86
70	Less than 2.00% of mass 69	0.27 (0.46)
127	40.00 - 60.00% of mass 198	50.73
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.11
275	10.00 - 30.00% of mass 198	18.52
365	Greater than 1.00% of mass 198	1.95
441	0.01 - 100.00% of mass 443	7.97 (71.76)
442	40.00 - 110.00% of mass 198	57.46
443	17.00 - 23.00% of mass 442	11.10 (19.32)

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30722.d

Date : 09-OCT-2006 10:07

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30722.d
Spectrum: Average Spectrum: 6.264 to 6.279 min.
Location of Maximum: 198.00
Number of points: 231

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	135	120.00	242	184.00	327	256.00	9581
38.00	790	122.00	1743	185.00	1755	257.00	681
39.00	4708	123.00	2574	186.00	18096	258.00	3431
41.00	239	124.00	1000	187.00	4848	259.00	518
44.00	318	125.00	1106	188.00	609	261.00	133
49.00	340	127.00	73416	189.00	1213	264.00	113
50.00	14489	128.00	5450	191.00	381	265.00	1272
51.00	57784	129.00	32984	192.00	1496	266.00	110
52.00	2509	130.00	2735	193.00	1332	271.00	125
55.00	533	131.00	652	194.00	257	273.00	1483
56.00	1994	132.00	163	196.00	3287	274.00	5220
57.00	4399	133.00	133	198.00	144704	275.00	26792
58.00	281	134.00	575	199.00	10288	276.00	3724
61.00	691	135.00	2170	200.00	662	277.00	2071
62.00	742	136.00	1049	201.00	219	278.00	237
63.00	2638	137.00	1095	202.00	380	283.00	156
64.00	319	138.00	221	203.00	866	284.00	113
65.00	1490	140.00	290	204.00	4762	285.00	214
66.00	156	141.00	3809	205.00	7668	289.00	154
69.00	83736	142.00	606	206.00	30176	293.00	398
70.00	388	143.00	745	207.00	4337	294.00	101
73.00	155	144.00	285	208.00	970	296.00	6341
74.00	7021	145.00	102	209.00	286	297.00	816
75.00	9634	146.00	326	210.00	470	303.00	763
77.00	68568	147.00	2209	211.00	1193	304.00	109
78.00	5050	148.00	4217	215.00	340	314.00	285
79.00	5421	149.00	358	217.00	8941	315.00	893
80.00	3792	151.00	429	218.00	1231	316.00	284
81.00	5232	152.00	300	220.00	114	323.00	2486
82.00	1316	153.00	1321	221.00	5881	324.00	331
83.00	1230	154.00	827	222.00	1111	327.00	476
85.00	863	155.00	1854	223.00	1002	328.00	355
86.00	1546	156.00	2873	224.00	16181	332.00	176
87.00	740	157.00	660	225.00	3662	334.00	1444
88.00	104	158.00	864	227.00	6301	335.00	313

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30722.d

Date : 09-OCT-2006 10:07

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30722.d

Spectrum: Average Spectrum: 6.264 to 6.279 min.

Location of Maximum: 198.00

Number of points: 231

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	1328	159.00	316	228.00	1185	341.00	293
92.00	1585	160.00	1204	229.00	1181	346.00	358
93.00	7953	161.00	1745	230.00	188	352.00	541
94.00	647	162.00	233	231.00	393	353.00	455
95.00	134	164.00	137	234.00	390	354.00	580
96.00	572	165.00	1373	235.00	460	365.00	2829
97.00	110	166.00	1042	236.00	202	366.00	436
98.00	6059	167.00	7393	237.00	571	371.00	119
99.00	4156	168.00	2706	238.00	176	372.00	1148
100.00	342	169.00	656	239.00	473	373.00	114
101.00	2718	170.00	380	240.00	140	383.00	266
103.00	956	171.00	346	241.00	207	390.00	172
104.00	1984	172.00	644	242.00	816	402.00	576
105.00	1938	173.00	557	243.00	652	403.00	400
107.00	24144	174.00	1189	244.00	12186	421.00	584
108.00	3091	175.00	2218	245.00	2015	422.00	171
110.00	46072	176.00	845	246.00	2468	423.00	4242
111.00	6762	177.00	1239	247.00	195	424.00	796
112.00	820	178.00	410	248.00	114	441.00	11529
113.00	198	179.00	4537	249.00	417	442.00	83160
115.00	158	180.00	3537	251.00	120	443.00	16065
117.00	18152	181.00	1496	253.00	249	444.00	1205
118.00	1529	182.00	293	255.00	66528		

Data File: /chem/BNAMS1.i/8270/10-05-06/09oct06.b/r30722.d

Date : 09-OCT-2006 10:07

Client ID:

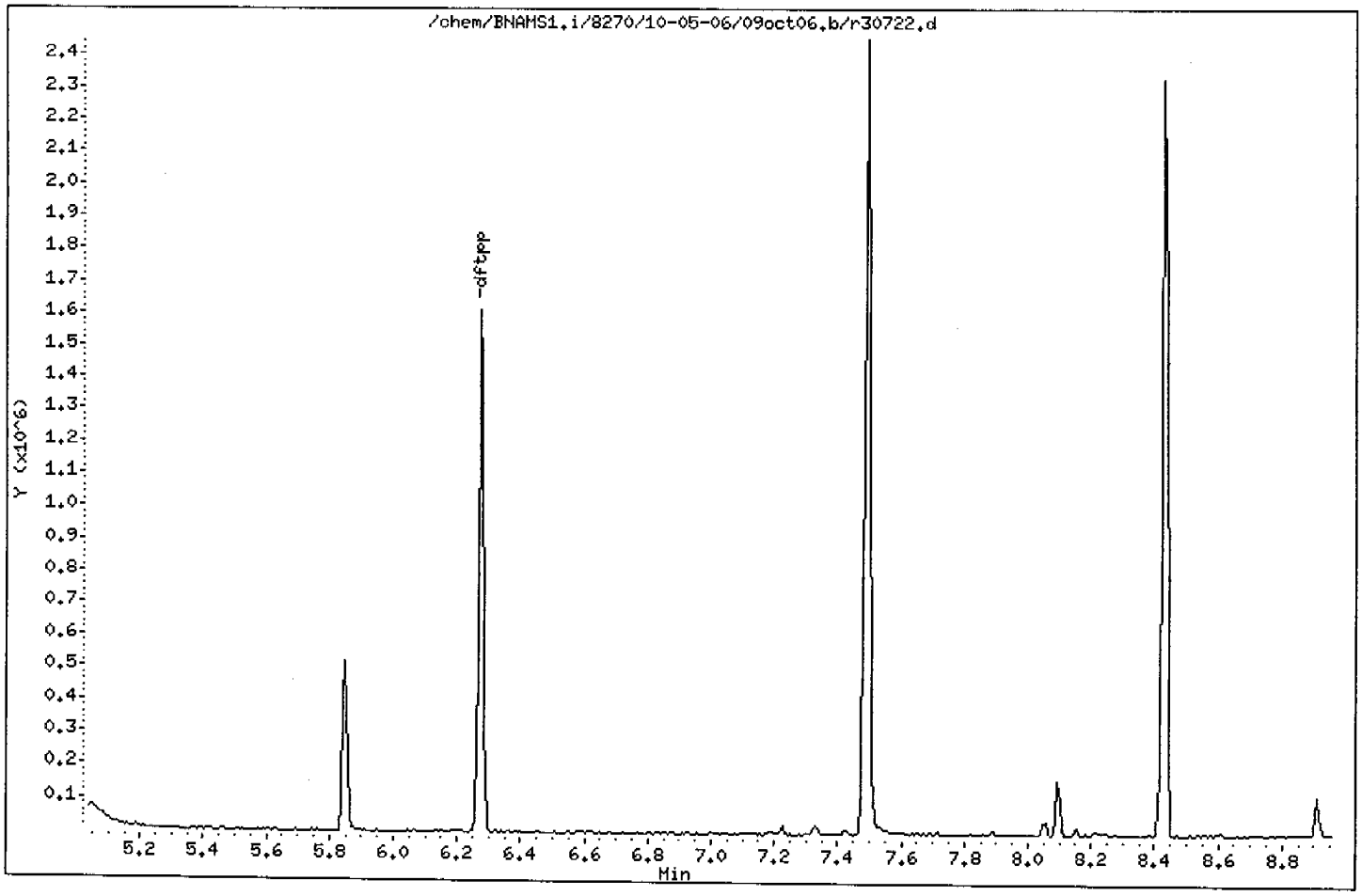
Instrument: BNAMS1.i

Sample Info: RDFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: R30863

DFTPP Injection Date: 10/19/06

Instrument ID: BNAMS1

DFTPP Injection Time: 0918

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	48.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	19.3
365	Greater than 1.0% of mass 198	2.20
441	0.0 - 100.0% of mass 443	10.6 (70.5)2
442	40.0 - 110.0% of mass 198	73.6
443	17.0 - 23.0% of mass 442	15.0 (20.4)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RSTD292	RSTD292	R30864	10/19/06	0945
02	SB291	SB291	R30865	10/19/06	1027
03	B1408-SS03	775284	R30867	10/19/06	1151
04	B1408-SS03MS	775284MS	R30868	10/19/06	1233
05	B1408-SS03MS	775284MSD	R30869	10/19/06	1315
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30863.d

Date : 19-OCT-2006 09:18

Client ID:

Instrument: BNAMS1.i

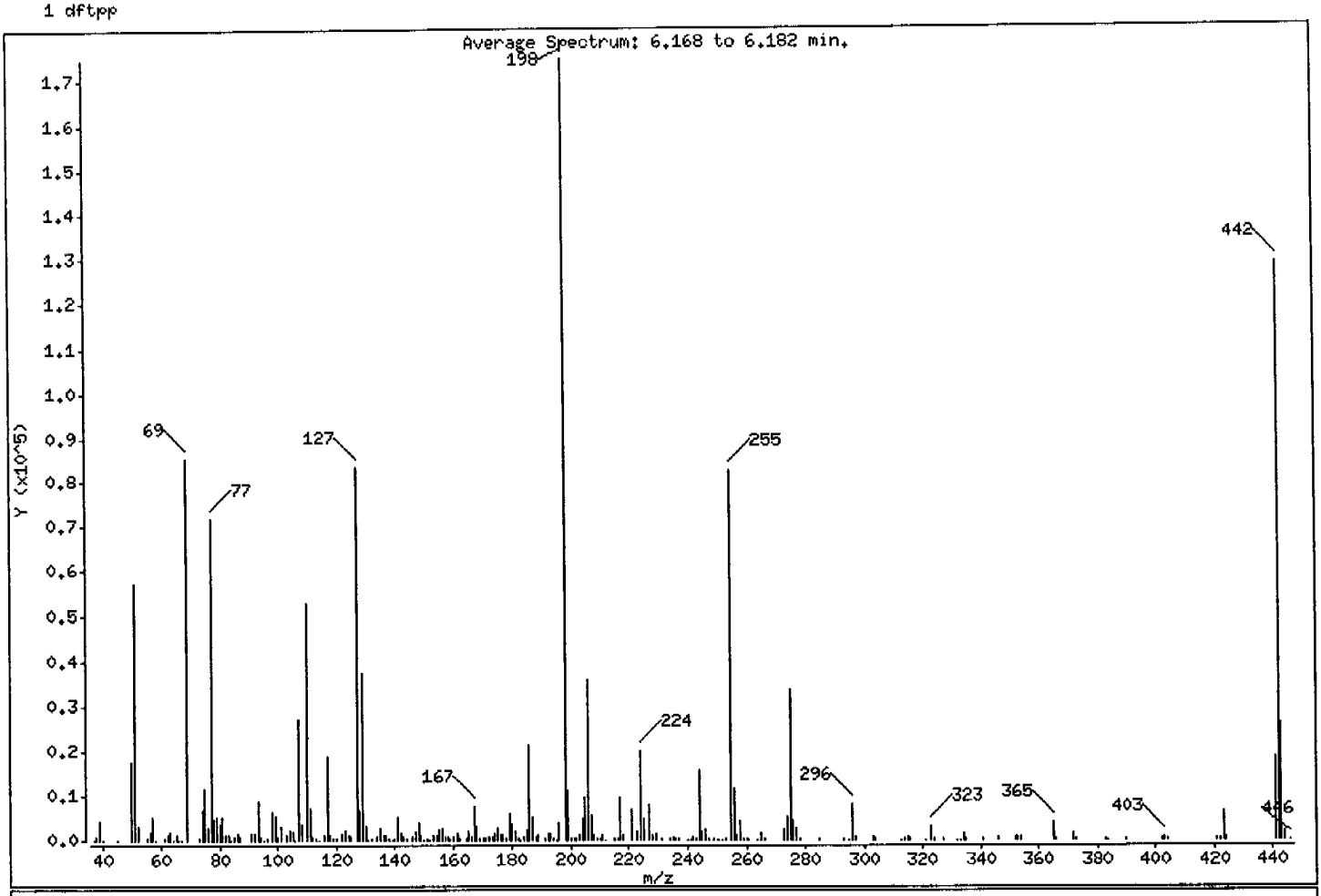
Sample Info: RDFTPP292

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	32.86
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	48.89
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	47.89
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.54
275	10.00 - 30.00% of mass 198	19.32
365	Greater than 1.00% of mass 198	2.20
441	0.01 - 100.00% of mass 443	10.61 (70.53)
442	40.00 - 110.00% of mass 198	73.62
443	17.00 - 23.00% of mass 442	15.04 (20.43)

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30863.d

Date : 19-OCT-2006 09:18

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP292

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30863.d

Spectrum: Average Spectrum: 6.168 to 6.182 min.

Location of Maximum: 198.00

Number of points: 234

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	179	119.00	300	183.00	152	257.00	1077
38.00	737	120.00	320	184.00	729	258.00	4431
39.00	4396	122.00	1802	185.00	2498	259.00	566
40.00	192	123.00	2410	186.00	21224	260.00	208
45.00	140	124.00	1403	187.00	5180	261.00	113
50.00	17552	125.00	822	188.00	686	264.00	110
51.00	57320	127.00	83536	189.00	1262	265.00	1599
52.00	3120	128.00	6903	191.00	394	266.00	335
55.00	203	129.00	37776	192.00	1743	273.00	2558
56.00	2021	130.00	3224	193.00	1490	274.00	5329
57.00	5042	131.00	146	194.00	402	275.00	33704
58.00	188	132.00	248	195.00	155	276.00	4479
61.00	556	134.00	971	196.00	3895	277.00	2722
62.00	1251	135.00	2768	198.00	174400	278.00	368
63.00	2188	136.00	1363	199.00	11413	285.00	347
64.00	149	137.00	1332	200.00	463	293.00	480
65.00	1199	138.00	244	201.00	299	295.00	155
66.00	138	139.00	100	202.00	553	296.00	7910
67.00	136	140.00	541	203.00	1195	297.00	957
69.00	85280	141.00	5190	204.00	4868	303.00	816
73.00	519	142.00	1548	205.00	9474	304.00	261
74.00	6763	143.00	756	206.00	35936	313.00	145
75.00	11733	144.00	428	207.00	5537	314.00	479
76.00	2666	146.00	867	208.00	1234	315.00	732
77.00	71568	147.00	2126	209.00	347	316.00	362
78.00	4758	148.00	4163	210.00	269	321.00	126
79.00	5016	149.00	1049	211.00	1282	323.00	3019
80.00	3568	150.00	112	212.00	138	324.00	360
81.00	5128	151.00	590	215.00	406	327.00	228
82.00	1272	152.00	183	216.00	254	332.00	130
83.00	1350	153.00	1388	217.00	9595	333.00	155
84.00	138	154.00	1351	218.00	1318	334.00	1667
85.00	847	155.00	2554	221.00	6750	335.00	322
86.00	1790	156.00	2795	223.00	2024	341.00	336
87.00	748	157.00	729	224.00	19968	346.00	699

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30863.d

Date : 19-OCT-2006 09:18

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP292

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30863.d
Spectrum: Average Spectrum: 6.168 to 6.182 min.
Location of Maximum: 198.00
Number of points: 234

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	1662	158.00	754	225.00	4800	352.00	820
92.00	1529	159.00	307	227.00	8211	353.00	622
93.00	8753	160.00	948	228.00	1051	354.00	763
94.00	708	161.00	1516	229.00	1625	365.00	3833
95.00	110	162.00	363	231.00	439	366.00	296
96.00	345	164.00	298	234.00	561	372.00	1756
98.00	6358	165.00	1883	235.00	670	373.00	296
99.00	5550	166.00	900	236.00	281	383.00	206
100.00	689	167.00	7813	237.00	589	384.00	133
101.00	3069	168.00	3070	240.00	200	390.00	279
103.00	1215	169.00	596	241.00	155	402.00	581
104.00	2262	170.00	395	242.00	936	403.00	602
105.00	2011	171.00	206	243.00	274	404.00	262
106.00	145	172.00	809	244.00	15459	421.00	520
107.00	27384	173.00	848	245.00	1913	422.00	587
108.00	3455	174.00	1629	246.00	2381	423.00	6226
110.00	52856	175.00	2898	247.00	272	424.00	972
111.00	7200	176.00	1308	249.00	530	441.00	18504
112.00	945	177.00	1291	250.00	107	442.00	128424
113.00	310	178.00	336	251.00	108	443.00	26240
114.00	125	179.00	6138	252.00	136	444.00	1830
116.00	1029	180.00	3459	253.00	451	446.00	146
117.00	18992	181.00	1909	255.00	82728		
118.00	1297	182.00	354	256.00	11572		

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30863.d

Date : 19-OCT-2006 09:18

Client ID:

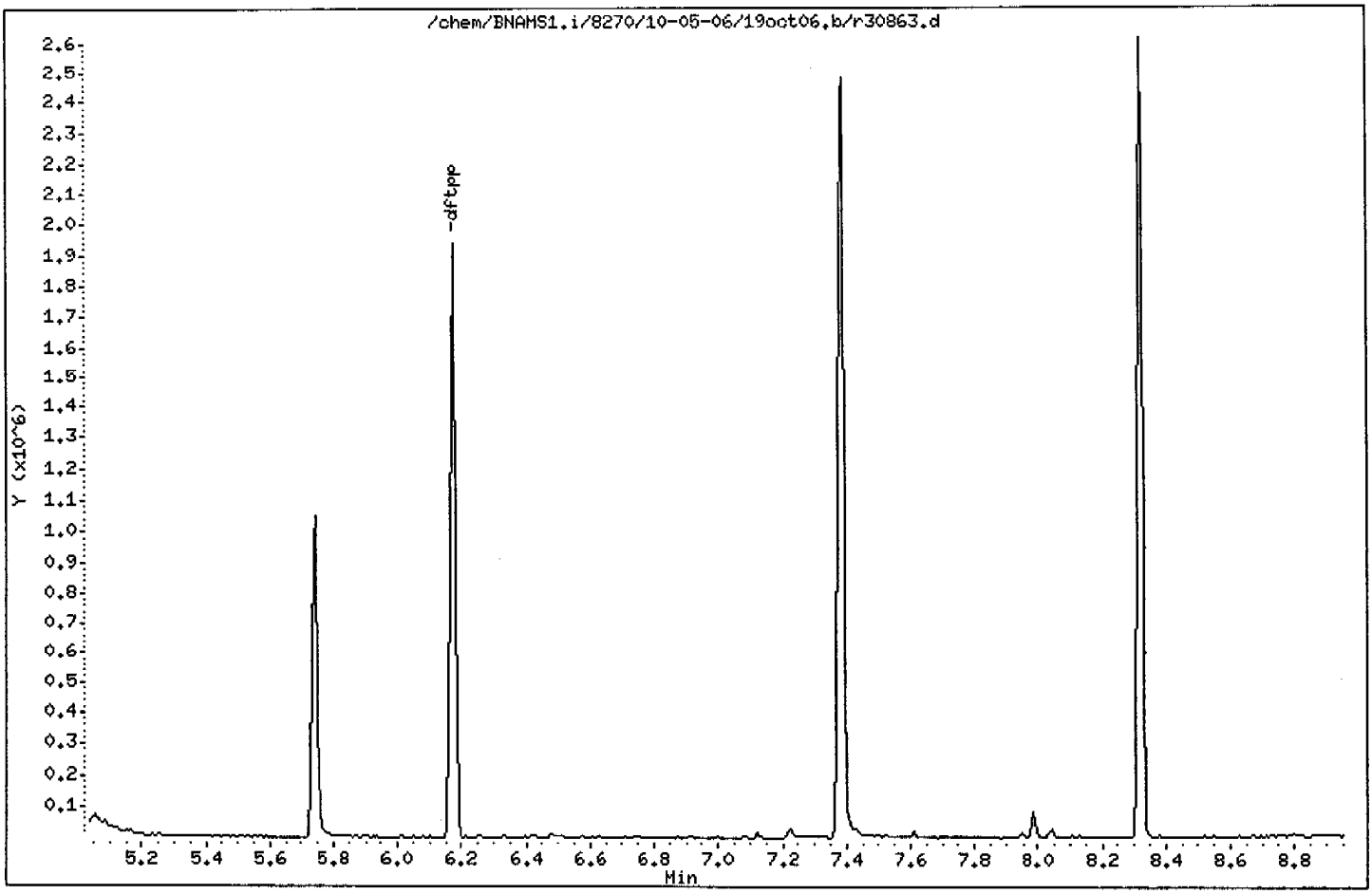
Instrument: BNAMS1.i

Sample Info: RDFTPP292

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: R30882

DFTPP Injection Date: 10/20/06

Instrument ID: BNAMS1

DFTPP Injection Time: 0922

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	52.9
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	49.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 1.0% of mass 198	1.65
441	0.0 - 100.0% of mass 443	10.1 (78.5)2
442	40.0 - 110.0% of mass 198	67.8
443	17.0 - 23.0% of mass 442	12.9 (19.0)3

1-Value is % mass 69
2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RSTD293	RSTD293	R30883	10/20/06	0942
02	B202-SS03	775271	R30884	10/20/06	1026
03	B1407-SS03	775274	R30886	10/20/06	1144
04	B1410-SS03	775280	R30887	10/20/06	1223
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30882.d

Date : 20-OCT-2006 09:22

Client ID:

Instrument: BNAMS1.i

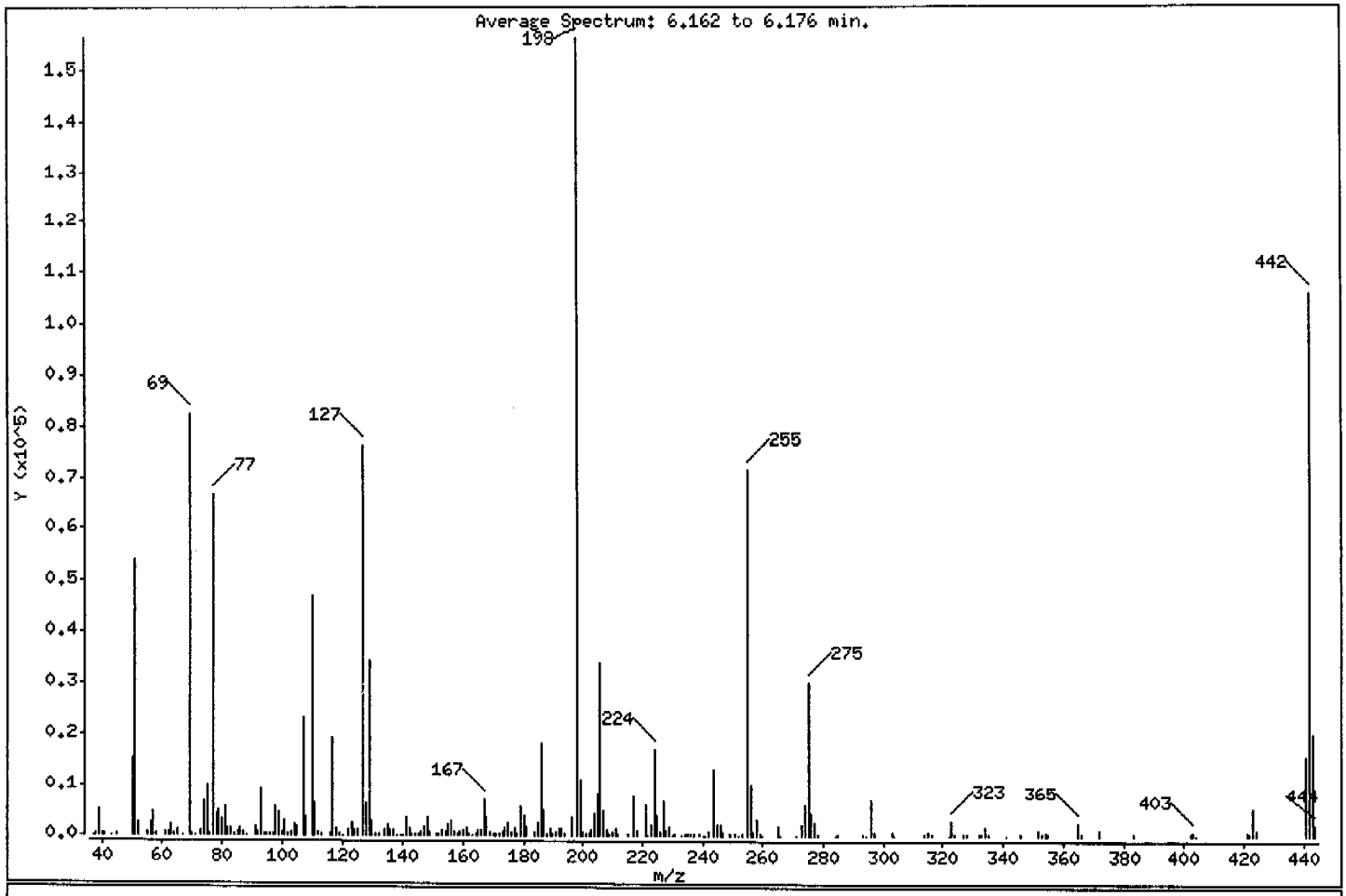
Sample Info: RDFTPP293

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.43
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	52.93
70	Less than 2.00% of mass 69	0.16 (0.30)
127	40.00 - 60.00% of mass 198	49.08
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.07
275	10.00 - 30.00% of mass 198	19.40
365	Greater than 1.00% of mass 198	1.65
441	0.01 - 100.00% of mass 443	10.09 (78.45)
442	40.00 - 110.00% of mass 198	67.84
443	17.00 - 23.00% of mass 442	12.86 (18.96)

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30882.d

Date : 20-OCT-2006 09:22

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP293

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30882.d
Spectrum: Average Spectrum: 6.162 to 6.176 min.
Location of Maximum: 198.00
Number of points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	146	116.00	209	180.00	4041	255.00	71608
38.00	377	117.00	19320	181.00	1959	256.00	9922
39.00	4913	118.00	1452	184.00	718	257.00	863
40.00	188	119.00	374	185.00	2589	258.00	3130
41.00	419	120.00	168	186.00	18400	259.00	514
43.00	113	122.00	1113	187.00	4989	260.00	128
45.00	220	123.00	2436	188.00	227	265.00	1642
50.00	15567	124.00	938	189.00	1328	266.00	120
51.00	53728	125.00	973	190.00	259	271.00	109
52.00	2514	127.00	76576	191.00	612	273.00	2039
55.00	742	128.00	6542	192.00	1529	274.00	6223
56.00	2339	129.00	34472	193.00	1570	275.00	30264
57.00	4712	130.00	2906	194.00	235	276.00	4291
58.00	303	131.00	498	196.00	3640	277.00	2593
61.00	634	132.00	200	198.00	156032	278.00	257
62.00	662	134.00	992	199.00	11039	284.00	123
63.00	2267	135.00	2157	200.00	705	285.00	246
64.00	386	136.00	1074	201.00	481	293.00	441
65.00	1028	137.00	1186	202.00	219	294.00	145
67.00	105	138.00	112	203.00	935	296.00	7254
69.00	82584	139.00	104	204.00	4220	297.00	873
70.00	245	140.00	161	205.00	8138	303.00	840
71.00	104	141.00	3759	206.00	34024	304.00	131
73.00	1064	142.00	1489	207.00	4921	314.00	256
74.00	6979	143.00	470	208.00	1095	315.00	854
75.00	10040	144.00	253	209.00	222	316.00	489
76.00	225	145.00	219	210.00	595	322.00	118
77.00	66640	146.00	648	211.00	1341	323.00	2743
78.00	4435	147.00	1693	212.00	421	324.00	516
79.00	4912	148.00	3724	215.00	410	327.00	286
80.00	3374	149.00	714	217.00	7981	328.00	188
81.00	5620	151.00	510	218.00	1059	332.00	211
82.00	1353	152.00	514	221.00	6029	333.00	219
83.00	1314	153.00	1139	222.00	158	334.00	1791
84.00	235	154.00	616	223.00	2146	335.00	357

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30882.d

Date : 20-OCT-2006 09:22

Client ID:

Instrument: BNAMS1.i

Sample Info: RDFTPP293

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: r30882.d

Spectrum: Average Spectrum: 6.162 to 6.176 min.

Location of Maximum: 198.00

Number of points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	587	155.00	2272	224.00	17072	341.00	116
86.00	1447	156.00	2792	225.00	4054	346.00	366
87.00	620	157.00	624	226.00	710	352.00	957
88.00	106	158.00	481	227.00	6716	353.00	408
91.00	1648	159.00	600	228.00	1075	354.00	843
92.00	695	160.00	1088	229.00	1692	355.00	187
93.00	9461	161.00	1503	230.00	108	365.00	2579
94.00	452	162.00	367	231.00	537	366.00	411
95.00	472	163.00	126	233.00	132	372.00	1188
96.00	346	164.00	206	234.00	333	383.00	298
97.00	274	165.00	1032	235.00	376	402.00	523
98.00	5685	166.00	910	236.00	270	403.00	696
99.00	4838	167.00	7310	237.00	408	404.00	132
100.00	555	168.00	3478	239.00	357	421.00	631
101.00	3015	169.00	876	240.00	101	422.00	498
102.00	307	170.00	367	241.00	179	423.00	5252
103.00	856	171.00	309	242.00	796	424.00	1149
104.00	1981	172.00	497	244.00	13231	441.00	15747
105.00	1702	173.00	767	245.00	2159	442.00	105856
107.00	23288	174.00	1404	246.00	2184	443.00	20072
108.00	3471	175.00	2524	247.00	558	444.00	2013
110.00	47016	176.00	872	249.00	459		
111.00	6615	177.00	1327	251.00	240		
112.00	647	178.00	327	252.00	113		
113.00	238	179.00	5626	253.00	252		

Data File: /chem/BNAMS1.i/8270/10-05-06/20oct06.b/r30882.d

Date : 20-OCT-2006 09:22

Client ID:

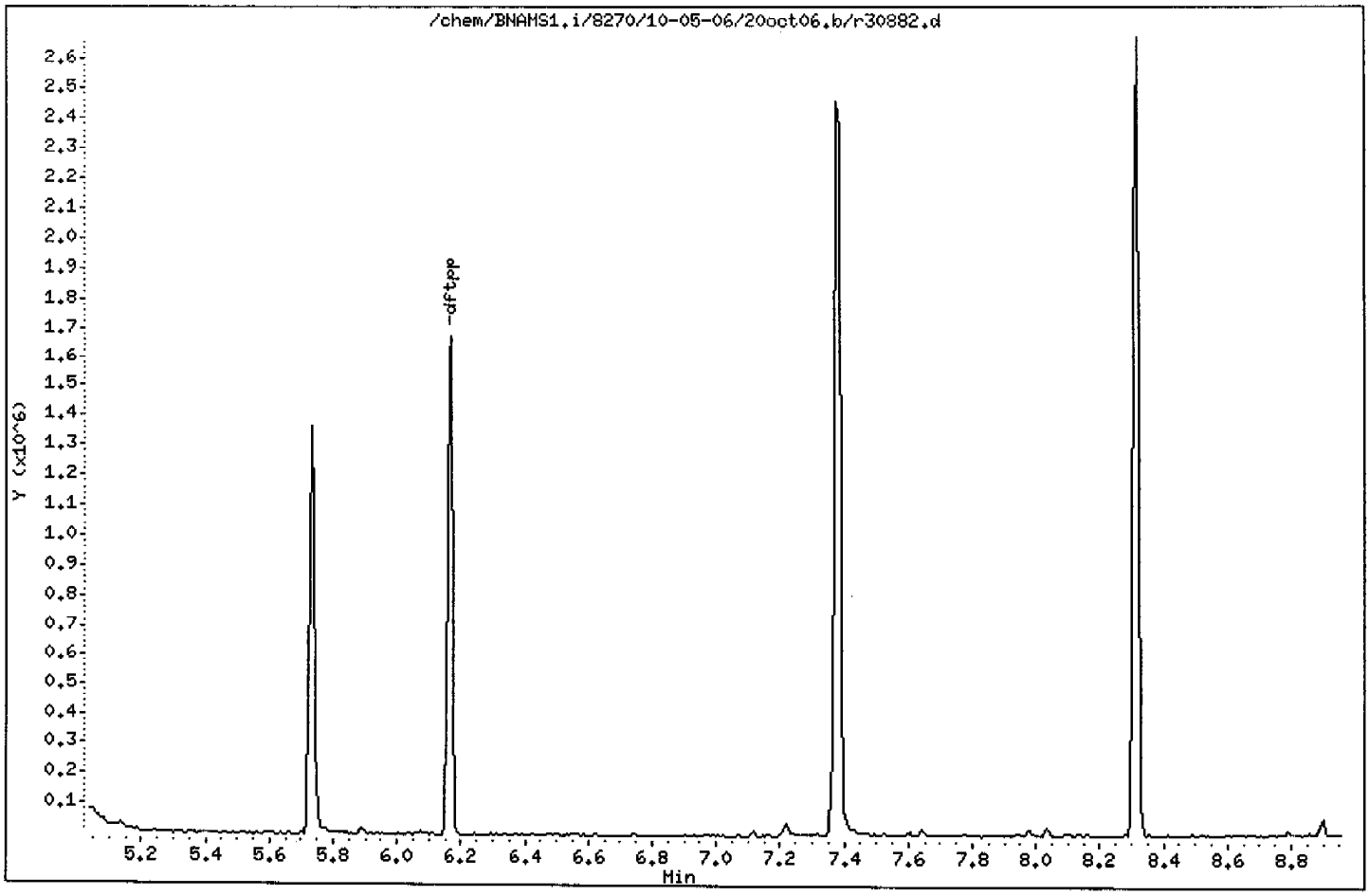
Instrument: BNAMS1.i

Sample Info: RDFTPP293

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



Method Blank Results Summary

LAB SAMPLE NO.

SB278

SEMIVOLATILE METHOD BLANK SUMMARY

Matrix: SOIL

Level: LOW

Instrument ID: BNAMS1

Date Analyzed: 10/06/06

Time Analyzed: 1016

Lab File ID: R30687

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	B1408-SS02	775282	R30690	10/06/06
02	B1408-SS02MS	775282MS	R30691	10/06/06
03	B1408-SS02MSD	775282MSD	R30692	10/06/06
04	B1405-SS02	775286	R30693	10/06/06
05	B1410-SS02	775279	R30695	10/06/06
06	B1408-SS02D	775283	R30696	10/06/06
07	B1407-SS02	775273	R30697	10/06/06
08	B1405-SS01	775285	R30698	10/06/06
09	B202-SS02	775270	R30699	10/06/06
10	B202-SS01	775269	R30700	10/06/06
11	B201-SS01	775267	R30701	10/06/06
12	B106-SS02	775295	R30707	10/08/06
13	B1411-SS02	775292	R30708	10/08/06
14	B1411-SS01	775291	R30710	10/08/06
15	B106-SS01	775294	R30711	10/08/06
16	B1408-SS01	775281	R30714	10/08/06
17	B1406-SS01R1	775288R1	R30717	10/08/06
18	B201-SS01R1	775267R1	R30718	10/08/06
19	B201-SS02	775268R1	R30719	10/08/06
20	B202-SS01R1	775269R1	R30720	10/08/06
21	B1410-SS01R1	775278R1	R30721	10/08/06
22	B1407-SS01	775272	R30728	10/09/06
23	B1406-SS02	775289	R30730	10/09/06
24	B1406-SS01	775288	R30732	10/09/06
25	B201-SS02	775268	R30733	10/09/06
26	B1410-SS01	775278	R30734	10/09/06
27	B1406-SS02R1	775289R1	R30753	10/10/06
28				
29				
30				

COMMENTS:

Client ID: **SB278**
Site:

Lab Sample No: **SB278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30687.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Phenol	ND	330
2-Chlorophenol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2,4-Dinitrophenol	ND	1000
4-Nitrophenol	ND	1000
4,6-Dinitro-2-methylphenol	ND	1000
Pentachlorophenol	ND	1000
Benzoic Acid	ND	330
N-Nitrosodimethylamine	ND	330
bis(2-Chloroethyl)ether	ND	33
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-chloroisopropyl)ether	ND	330
N-Nitroso-di-n-propylamine	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	33
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	67
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670

Client ID: **SB278**
Site:

Lab Sample No: **SB278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30687.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	67
3-Nitroaniline	ND	670
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	67
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	670
N-Nitrosodiphenylamine	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	33
Phenanthrene	ND	330
Anthracene	ND	330
Carbazole	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzidine	ND	670
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	33
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	33
Benzo(k)fluoranthene	ND	33
Benzo(a)pyrene	ND	33
Indeno(1,2,3-cd)pyrene	ND	33
Dibenz(a,h)anthracene	ND	33
Benzo(g,h,i)perylene	ND	330
Pyridine	ND	330

Client ID: **SB278**
Site:

Lab Sample No: **SB278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30687.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aniline	ND	330
Benzyl Alcohol	ND	330
1,2-Diphenylhydrazine	ND	330
Diphenyl	ND	330
Diphenyl Ether	ND	330
Acetophenone	ND	330
1,4-Dioxane	ND	330
N,N-Dimethylaniline	ND	33
2,3,7,8-TCDD (Screen)	ND	33
Benzaldehyde	ND	330
Caprolactam	ND	330
Atrazine	ND	330
n-decane	ND	330
Coumarin	ND	330
n-Octadecane	ND	330
o-Tricresylphosphate	ND	330
Carbamazepine	ND	670
1-Methylnaphthalene	ND	670

Client ID: **SB278**
Site:

Lab Sample No: **SB278**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30687.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Aldol Condensate	4.86	750	
2.	Unknown Aldol Condensate	5.49	31000	
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 31750

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30687.d
Report Date: 08-Oct-2006 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30687.d
Lab Smp Id: SB278 Client Smp ID: SB278
Inj Date : 06-OCT-2006 10:16
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : SB278;MB63633
Misc Info :
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/06oct06.b/8270C6-1.m
Meth Date : 08-Oct-2006 09:08 czhao Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

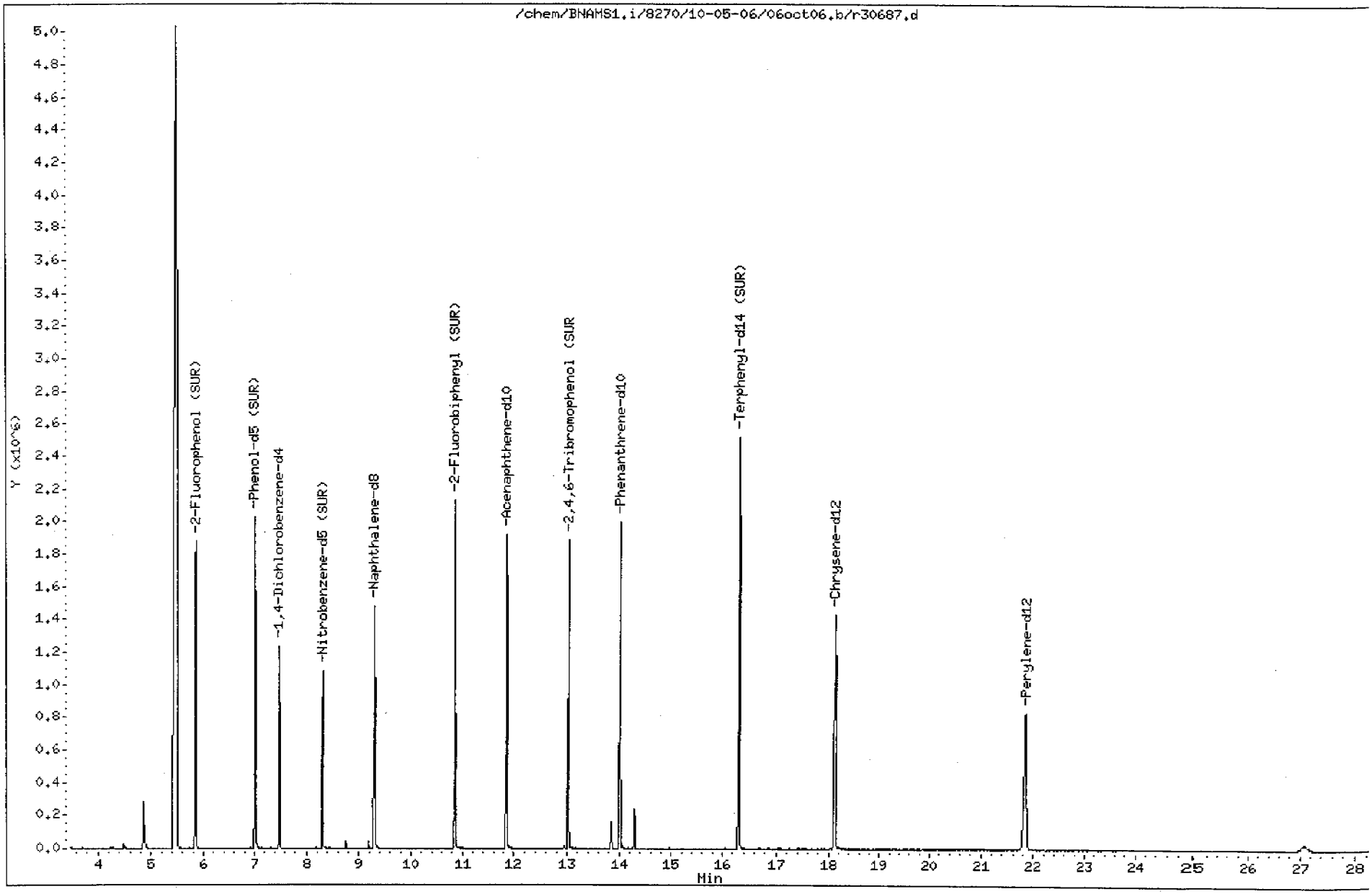
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	16 2-Fluorophenol (SUR)	112	5.848	5.826	(0.779)	761722	79.3610	5300
$	17 Phenol-d5 (SUR)	99	7.017	7.012	(0.935)	980204	82.1534	5500
*	79 1,4-Dichlorobenzene-d4	152	7.505	7.499	(1.000)	256282	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	8.303	8.302	(0.893)	452552	44.6396	3000
*	80 Naphthalene-d8	136	9.300	9.293	(1.000)	989060	40.0000	
$	77 2-Fluorobiphenyl (SUR)	172	10.848	10.848	(0.915)	868758	42.1385	2800
*	82 Acenaphthene-d10	164	11.862	11.858	(1.000)	692031	40.0000	
$	18 2,4,6-Tribromophenol (SUR)	330	13.020	13.021	(1.098)	265386	69.7353	4600
*	83 Phenanthrene-d10	188	14.013	14.005	(1.000)	1110828	40.0000	
$	78 Terphenyl-d14 (SUR)	244	16.307	16.302	(0.900)	1108945	45.0223	3000
*	81 Chrysene-d12	240	18.129	18.137	(1.000)	1120980	40.0000	
*	84 Perylene-d12	264	21.840	21.844	(1.000)	939339	40.0000	

Data File: /chem/BNAMS1.i/8270/10-05-06/06oct06.b/r30687.d
Date : 06-OCT-2006 10:16
Client ID: SB278
Sample Info: SB278;MB63633

Instrument: BNAMS1.i

Operator: BNAMS 4
Column diameter: 0.25

Column phase: DB-5



913

STL Edison

X924

LAB SAMPLE NO.

SB291

SEMIVOLATILE METHOD BLANK SUMMARY

Matrix: SOIL

Date Analyzed: 10/19/06

Level: LOW

Time Analyzed: 1027

Instrument ID: BNAMS1

Lab File ID: R30865

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	B1408-SS03	775284	R30867	10/19/06
02	B1408-SS03MS	775284MS	R30868	10/19/06
03	B1408-SS03MSD	775284MSD	R30869	10/19/06
04	B202-SS03	775271	R30884	10/20/06
05	B1407-SS03	775274	R30886	10/20/06
06	B1410-SS03	775280	R30887	10/20/06
07				
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COMMENTS:

Client ID: **SB291**
Site:

Lab Sample No: **SB291**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30865.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Phenol	ND	330
2-Chlorophenol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2,4-Dinitrophenol	ND	1000
4-Nitrophenol	ND	1000
4,6-Dinitro-2-methylphenol	ND	1000
Pentachlorophenol	ND	1000
Benzoic Acid	ND	330
N-Nitrosodimethylamine	ND	330
bis(2-Chloroethyl)ether	ND	33
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-chloroisopropyl)ether	ND	330
N-Nitroso-di-n-propylamine	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	33
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	67
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670

Client ID: **SB291**
Site:

Lab Sample No: **SB291**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30865.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	67
3-Nitroaniline	ND	670
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	67
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	670
N-Nitrosodiphenylamine	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	33
Phenanthrene	ND	330
Anthracene	ND	330
Carbazole	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzidine	ND	670
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	33
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	33
Benzo(k)fluoranthene	ND	33
Benzo(a)pyrene	ND	33
Indeno(1,2,3-cd)pyrene	ND	33
Dibenz(a,h)anthracene	ND	33
Benzo(g,h,i)perylene	ND	330
Pyridine	ND	330

Client ID: **SB291**
Site:

Lab Sample No: **SB291**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30865.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aniline	ND	330
Benzyl Alcohol	ND	330
1,2-Diphenylhydrazine	ND	330
Diphenyl	ND	330
Diphenyl Ether	ND	330
Acetophenone	ND	330
1,4-Dioxane	ND	330
N,N-Dimethylaniline	ND	33
2,3,7,8-TCDD (Screen)	ND	33
Benzaldehyde	ND	330
Caprolactam	ND	330
Atrazine	ND	330
n-decane	ND	330
Coumarin	ND	330
n-Octadecane	ND	330
o-Tricresylphosphate	ND	330
Carbamazepine	ND	670
1-Methylnaphthalene	ND	670

Client ID: **SB291**
Site:

Lab Sample No: **SB291**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/19/06
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r30865.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Aldol Condensate	4.71	800	
2.	Unknown Aldol Condensate	5.36	43000	
3.	Sox	13.70	1500	
4.	Degradation product of 2,4,6-Tribromop	14.11	280	
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TOTAL ESTIMATED CONCENTRATION 45580

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30865.d
Report Date: 30-Oct-2006 10:15

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

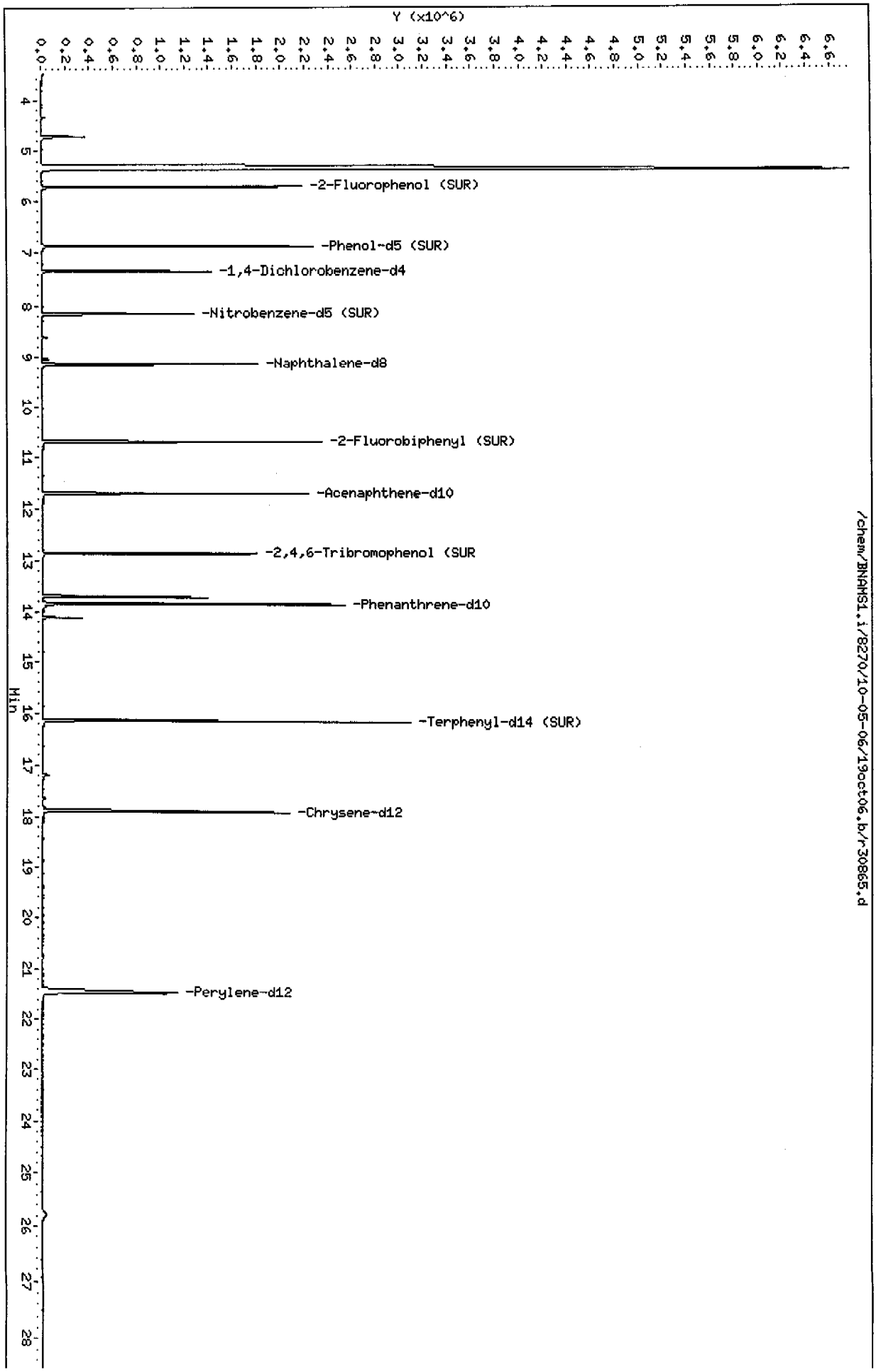
Data file : /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30865.d
Lab Smp Id: SB291 Client Smp ID: SB291
Inj Date : 19-OCT-2006 10:27
Operator : BNAMS 4 Inst ID: BNAMS1.i
Smp Info : SB291;MB64077
Misc Info :
Comment :
Method : /chem/BNAMS1.i/8270/10-05-06/19oct06.b/8270C6-1.m
Meth Date : 26-Oct-2006 10:01 kathys Quant Type: ISTD
Cal Date : 05-OCT-2006 15:31 Cal File: r30675.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.710	5.698	(0.777)	867804	79.2661	5300
$ 17 Phenol-d5 (SUR)	99	6.885	6.881	(0.937)	1158366	85.1157	5700
* 79 1,4-Dichlorobenzene-d4	152	7.349	7.350	(1.000)	292323	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.150	8.151	(0.892)	472305	39.3190	2600
* 80 Naphthalene-d8	136	9.134	9.140	(1.000)	1171913	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.683	10.688	(0.913)	985308	39.9886	2700
* 82 Acenaphthene-d10	164	11.695	11.699	(1.000)	827069	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.854	12.854	(1.099)	294052	64.6521	4300
* 83 Phenanthrene-d10	188	13.838	13.839	(1.000)	1387973	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	16.131	16.134	(0.902)	1420773	43.4517	2900
* 81 Chrysene-d12	240	17.892	17.901	(1.000)	1488105	40.0000	
* 84 Perylene-d12	264	21.459	21.467	(1.000)	1350955	40.0000	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Date : 19-OCT-2006 10:27
Client ID: SB291
Sample Info: SB291;MB64077
Column phase: DB-5
Instrument: BNAMS1.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30865.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30865.d

Date : 19-OCT-2006 10:27

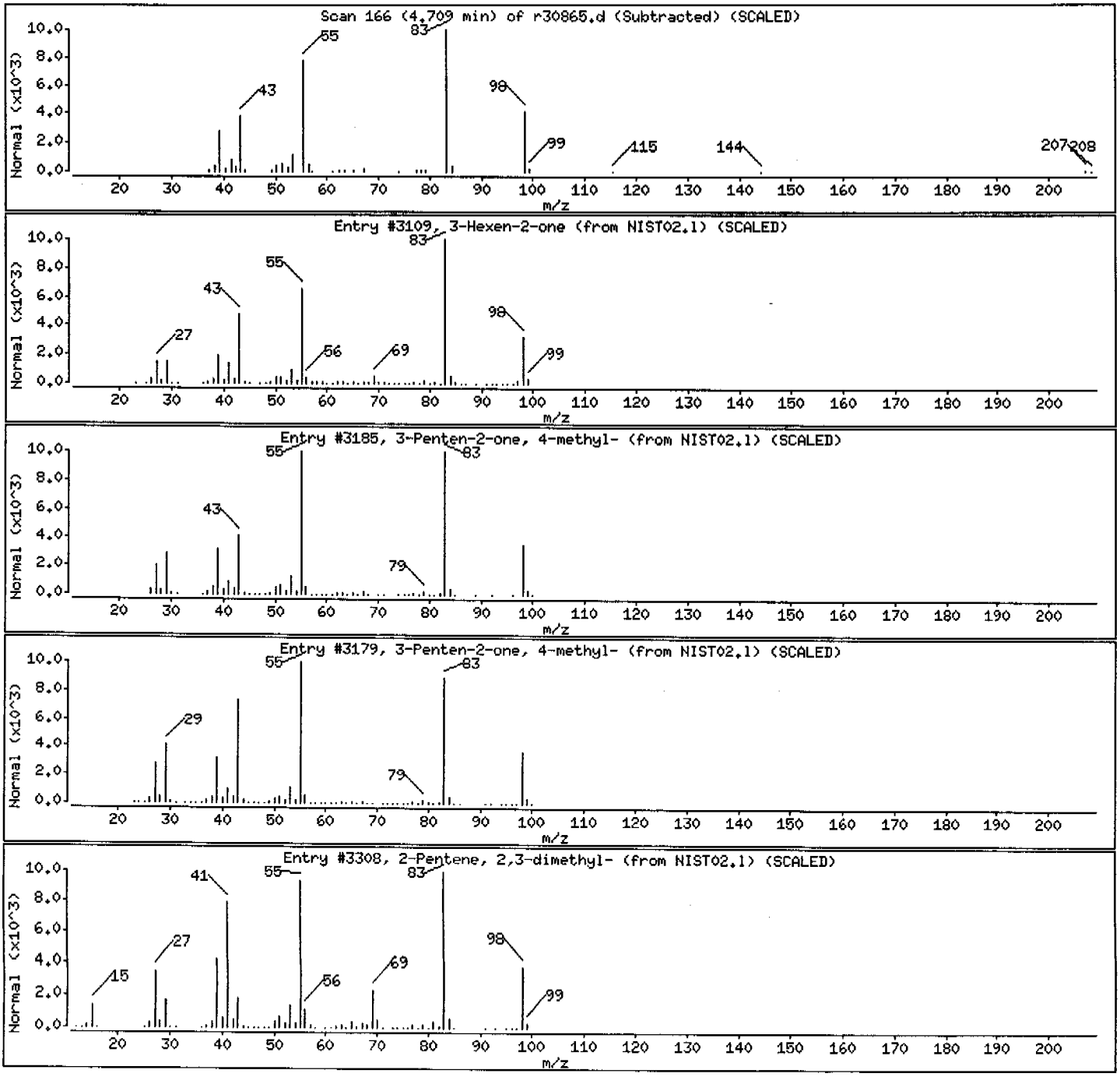
Client ID: SB291 Instrument: BNAMS1.i

Sample Info: SB291;MB64077

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
3-Hexen-2-one	763-93-9	NIST02.l	3109	90	C6H10O	98
3-Penten-2-one, 4-methyl-	141-79-7	NIST02.l	3185	83	C6H10O	98
3-Penten-2-one, 4-methyl-	141-79-7	NIST02.l	3179	80	C6H10O	98
2-Pentene, 2,3-dimethyl-	10574-37-5	NIST02.l	3308	78	C7H14	98



Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30865.d

Date : 19-OCT-2006 10:27

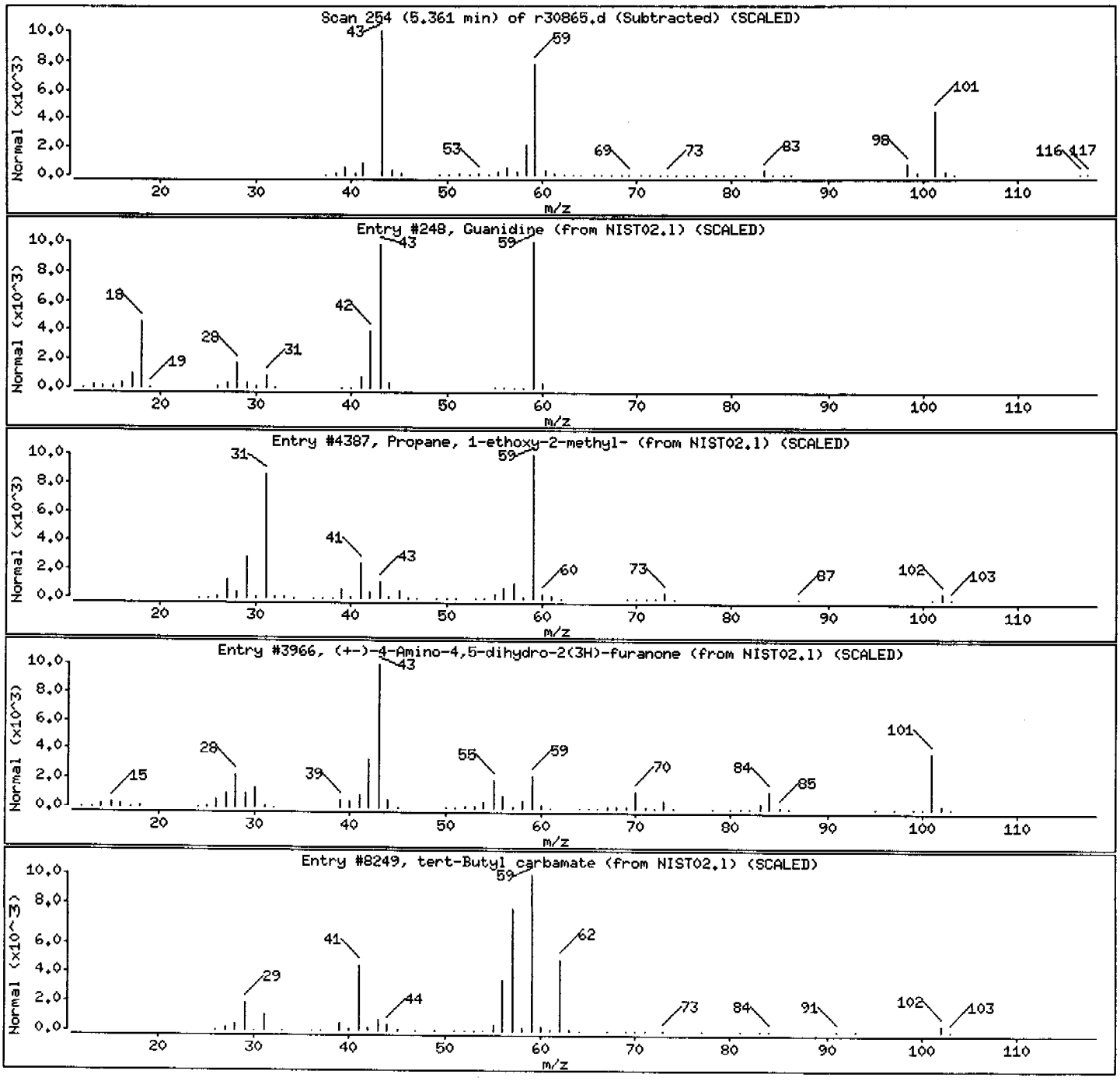
Client ID: SB291 Instrument: BNAMS1.i

Sample Info: SB291;MB64077

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
Guanidine	113-00-8	NIST02.l	248	43	CH5N3	59
Propane, 1-ethoxy-2-methyl-	627-02-1	NIST02.l	4387	32	C6H14O	102
(+-)-4-Amino-4,5-dihydro-2(3H)-furanone	16504-58-8	NIST02.l	3966	32	C4H7NO2	101
tert-Butyl carbamate	4248-19-5	NIST02.l	8249	23	C5H11NO2	117



Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30865.d

Date : 19-OCT-2006 10:27

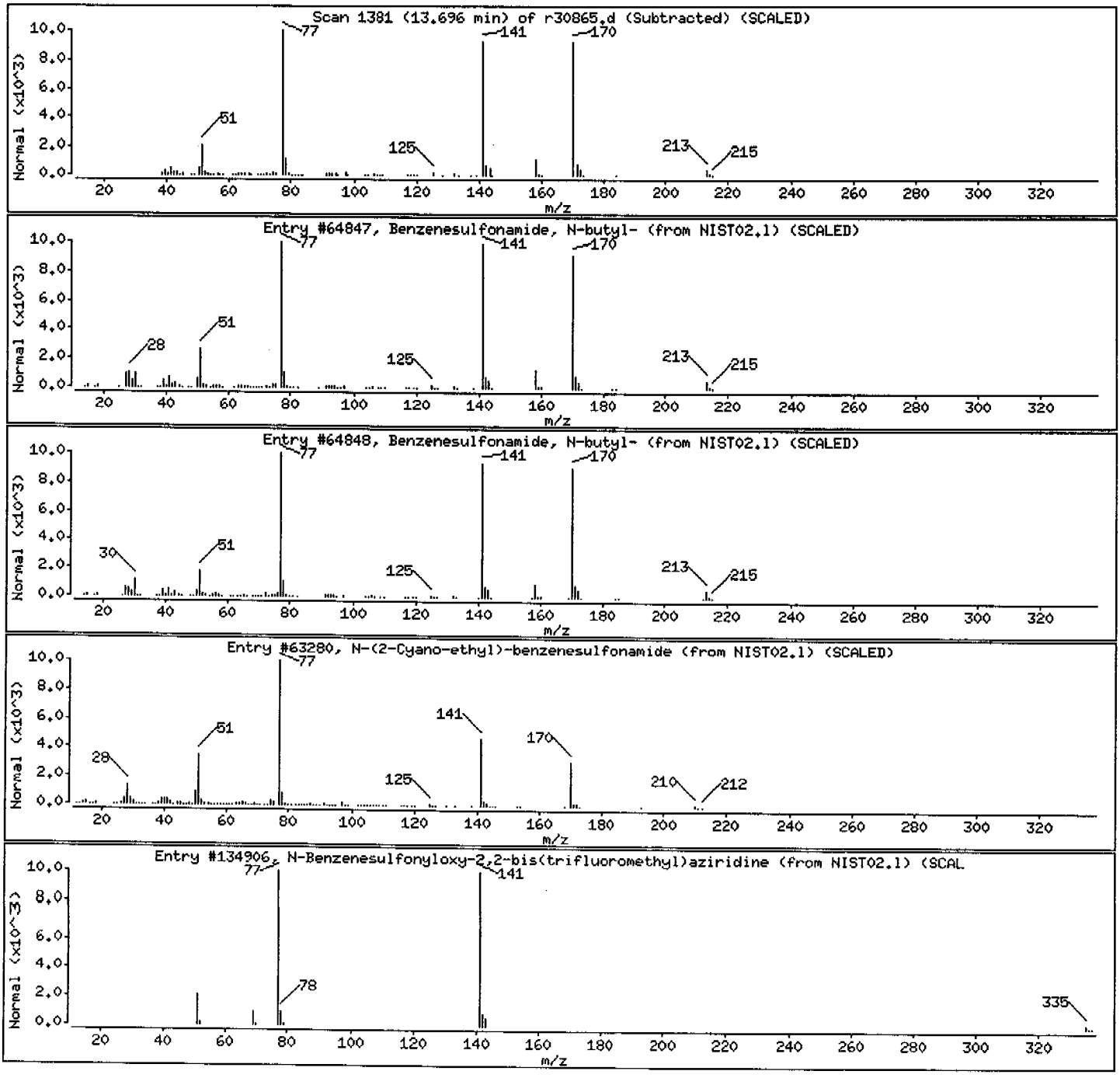
Client ID: SB291 Instrument: BNAMS1.i

Sample Info: SB291;MB64077

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Sox						
Benzenesulfonamide, N-butyl-	3622-84-2	NIST02.l	64847	97	C10H15NO2S	213
Benzenesulfonamide, N-butyl-	3622-84-2	NIST02.l	64848	96	C10H15NO2S	213
N-(2-Cyano-ethyl)-benzenesulfonamide	2619-21-8	NIST02.l	63280	74	C9H10N2O2S	210
N-Benzenesulfonyloxy-2,2-bis(trifluorome	55734-41-3	NIST02.l	134906	50	C10H7F6NO3S	335



Data File: /chem/BNAMS1.i/8270/10-05-06/19oct06.b/r30865.d

Date : 19-OCT-2006 10:27

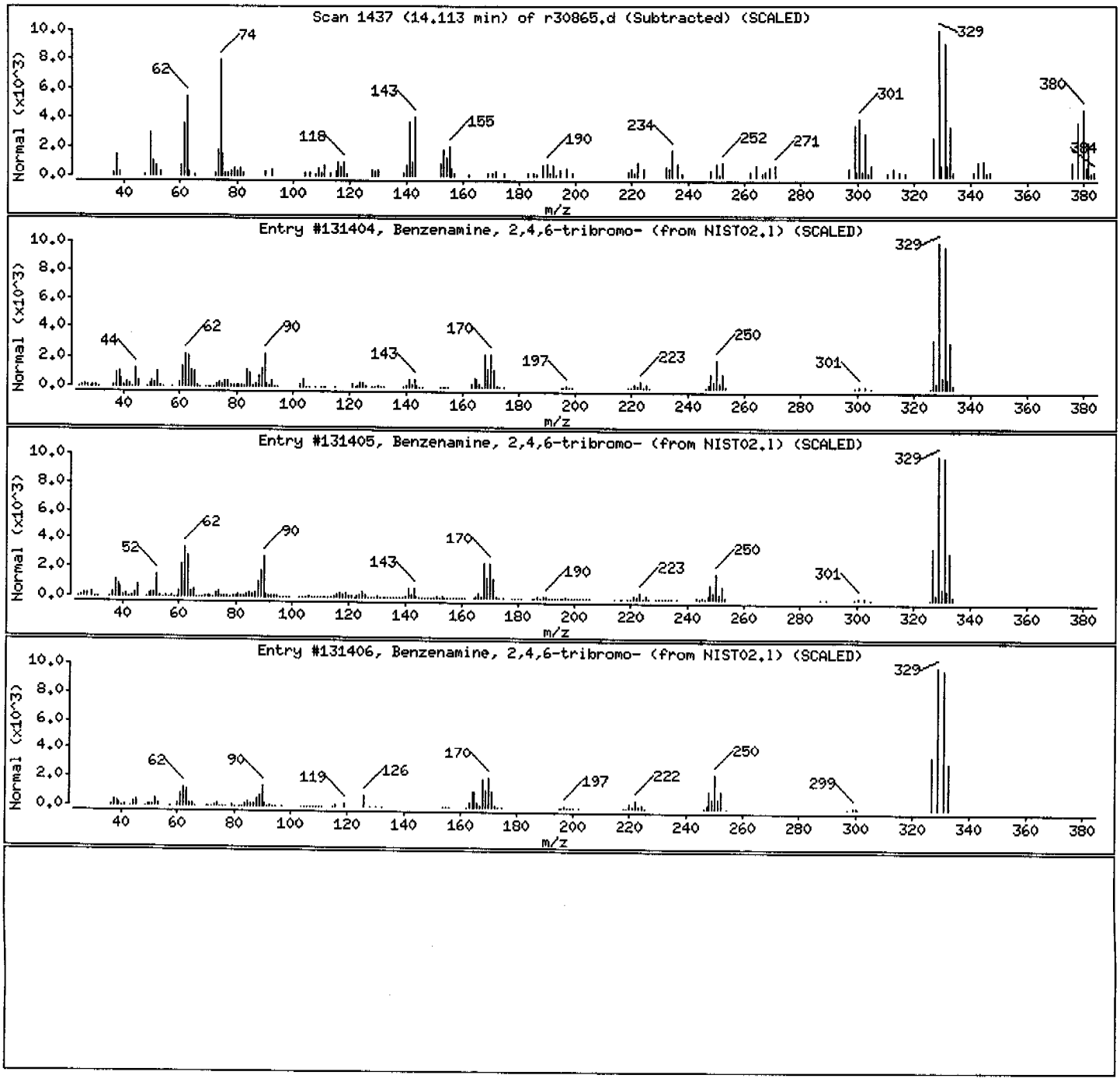
Client ID: SB291 Instrument: BNAMS1.i

Sample Info: SB291;MB64077

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Degradation product of 2,4,6-Tribromophenol(su						
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.l	131404	46	C6H4Br3N	327
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.l	131405	41	C6H4Br3N	327
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.l	131406	25	C6H4Br3N	327



Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS1 Calibration Date(s): 10/05/06 10/05/06

Calibration Time(s): 1221 1531

LAB FILE ID: RRF5: R30672 RRF20: R30674 RRF50: R30670
RRF80: R30673 RRF120: R30671

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	1.814	1.761	1.683	1.640	1.588
2-Chlorophenol	1.493	1.441	1.354	1.404	1.412
2-Methylphenol	1.400	1.462	1.357	1.427	1.447
4-Methylphenol	1.623	1.599	1.491	1.610	1.533
2-Nitrophenol	0.221	0.218	0.220	0.215	0.222
2,4-Dimethylphenol	0.378	0.344	0.335	0.332	0.313
2,4-Dichlorophenol	0.345	0.339	0.322	0.310	0.303
4-Chloro-3-methylphenol	0.408	0.377	0.388	0.382	0.324
2,4,6-Trichlorophenol	0.382	0.382	0.359	0.352	0.336
2,4,5-Trichlorophenol	0.400	0.417	0.366	0.391	0.362
2,4-Dinitrophenol	0.094	0.169	0.192	0.206	0.205
4-Nitrophenol	0.266	0.305	0.300	0.297	0.264
4,6-Dinitro-2-methylphenol	0.131	0.168	0.162	0.165	0.174
Pentachlorophenol	0.188	0.188	0.198	0.181	0.192
Benzoic Acid	0.134	0.243	0.184	0.232	0.233
N-Nitrosodimethylamine	0.700	0.940	0.837	0.816	0.779
bis(2-Chloroethyl)ether	1.750	1.401	1.375	1.314	1.293
1,3-Dichlorobenzene	1.545	1.708	1.436	1.472	1.394
1,4-Dichlorobenzene	1.531	1.607	1.361	1.389	1.335
1,2-Dichlorobenzene	1.539	1.660	1.392	1.451	1.362
bis(2-chloroisopropyl)ether	1.669	1.825	1.572	1.485	1.460
N-Nitroso-di-n-propylamine	1.166	1.151	1.036	1.088	1.030
Hexachloroethane	0.683	0.790	0.696	0.674	0.633
Nitrobenzene	0.631	0.515	0.451	0.423	0.385
Isophorone	0.875	0.847	0.780	0.724	0.707
bis(2-Chloroethoxy)methane	0.435	0.441	0.414	0.386	0.382
1,2,4-Trichlorobenzene	0.359	0.358	0.328	0.328	0.302
Naphthalene	1.031	1.048	1.006	0.906	0.890
4-Chloroaniline	0.486	0.488	0.457	0.417	0.420
Hexachlorobutadiene	0.162	0.190	0.174	0.170	0.159
2-Methylnaphthalene	0.730	0.705	0.699	0.651	0.647
Hexachlorocyclopentadiene	0.200	0.222	0.227	0.237	0.239
2-Chloronaphthalene	1.057	1.162	0.968	0.989	0.915
2-Nitroaniline	0.394	0.398	0.352	0.360	0.332
Dimethylphthalate	1.512	1.534	1.310	1.304	1.191
Acenaphthylene	1.818	1.852	1.545	1.550	1.453
2,6-Dinitrotoluene	0.292	0.356	0.341	0.350	0.333
3-Nitroaniline	0.369	0.416	0.378	0.374	0.360
Acenaphthene	0.987	1.134	1.001	0.925	0.980

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS1 Calibration Date(s): 10/05/06 10/05/06

Calibration Time(s): 1221 1531

LAB FILE ID: RRF5: R30672 RRF20: R30674 RRF50: R30670
RRF80: R30673 RRF120: R30671

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.603	1.746	1.532	1.516	1.378
2,4-Dinitrotoluene	0.468	0.507	0.453	0.472	0.443
Diethylphthalate	1.385	1.522	1.384	1.322	1.195
4-Chlorophenyl-phenylether	0.658	0.678	0.596	0.588	0.564
Fluorene	1.327	1.398	1.233	1.201	1.153
4-Nitroaniline	0.361	0.433	0.369	0.362	0.363
N-Nitrosodiphenylamine	0.640	0.602	0.622	0.586	0.596
4-Bromophenyl-phenylether	0.244	0.265	0.227	0.217	0.234
Hexachlorobenzene	0.243	0.274	0.245	0.245	0.244
Phenanthrene	1.296	1.284	1.150	1.089	1.104
Anthracene	1.237	1.245	1.152	1.067	1.075
Carbazole	1.180	1.263	1.050	0.993	1.018
Di-n-butylphthalate	1.824	1.722	1.507	1.370	1.365
Fluoranthene	1.324	1.329	1.140	1.074	1.101
Pyrene	1.359	1.335	1.241	1.220	1.152
Benzidine	0.486	0.432	0.295	0.300	0.248
Butylbenzylphthalate	0.830	0.826	0.777	0.755	0.727
3,3'-Dichlorobenzidine	0.470	0.489	0.468	0.435	0.402
Benzo(a)anthracene	1.168	1.138	1.032	1.065	1.064
Chrysene	1.034	1.076	1.005	1.006	0.982
bis(2-Ethylhexyl)phthalate	1.126	1.099	1.024	0.972	0.933
Di-n-octylphthalate	2.263	2.265	2.154	1.981	1.980
Benzo(b)fluoranthene	1.380	1.430	1.507	1.477	1.801
Benzo(k)fluoranthene	1.490	1.508	1.386	1.118	1.111
Benzo(a)pyrene	1.309	1.301	1.291	1.246	1.252
Indeno(1,2,3-cd)pyrene	1.269	1.286	1.325	1.309	1.246
Dibenz(a,h)anthracene	0.781	1.106	1.105	1.086	1.071
Benzo(g,h,i)perylene	1.028	1.135	1.192	1.123	1.106
Pyridine	1.094	1.409	1.198	1.379	1.368
Aniline	2.216	2.124	1.904	1.964	1.895
Benzyl Alcohol	1.074	1.218	1.031	1.089	1.086
1,2-Diphenylhydrazine	0.990	1.042	0.861	0.814	0.886
Diphenyl	1.442	1.384	1.240	1.270	1.182
Diphenyl Ether	0.766	0.773	0.711	0.719	0.687
Acetophenone	2.236	2.236	2.021	2.052	1.939
1,4-Dioxane	0.448	0.471	0.510	0.508	0.492
N,N-Dimethylaniline	2.317	2.213	1.783	1.857	1.673
2,3,7,8-TCDD (Screen)			0.158		
Benzaldehyde	1.016	0.996	0.716	0.661	0.462

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS1

Calibration Date(s): 10/05/06 10/05/06

Calibration Time(s): 1221 1531

LAB FILE ID: RRF5: R30672 RRF20: R30674 RRF50: R30670
RRF80: R30673 RRF120: R30671

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.181	0.162	0.170	0.152	0.151
Atrazine	0.260	0.204	0.176	0.160	0.155
n-decane	1.061	1.063	0.852	0.866	0.842
Coumarin	0.389	0.325	0.320	0.310	0.308
n-Octadecane	0.541	0.462	0.413	0.372	0.384
o-Tricresylphosphate	0.337	0.317	0.321	0.300	0.296
Carbamazepine	0.623	0.669	0.618	0.623	0.614
1-Methylnaphthalene	0.709	0.643	0.636	0.582	0.607
2-Fluorophenol (SUR)	1.350	1.515	1.457	1.563	1.530
Phenol-d5 (SUR)	1.710	1.968	1.823	1.850	1.870
2,4,6-Tribromophenol (SUR)	0.222	0.228	0.221	0.221	0.196
Nitrobenzene-d5 (SUR)	0.441	0.417	0.399	0.394	0.366
2-Fluorobiphenyl (SUR)	1.281	1.210	1.186	1.100	1.065
Terphenyl-d14 (SUR)	0.927	0.875	0.854	0.864	0.862

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS1 Calibration Date(s): 10/05/06 10/05/06

Calibration Time(s): 1221 1531

RRF10: R30675

COMPOUND	RRF10	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2
Phenol	1.936	AVRG		1.73702615	7.3*
2-Chlorophenol	1.578	AVRG		1.44726182	5.4*
2-Methylphenol	1.513	AVRG		1.43443270	3.7*
4-Methylphenol	1.806	AVRG		1.61043250	6.7*
2-Nitrophenol	0.232	AVRG		0.22163881	2.6*
2,4-Dimethylphenol	0.383	AVRG		0.34747991	7.9*
2,4-Dichlorophenol	0.342	AVRG		0.32707351	5.5*
4-Chloro-3-methylphenol	0.396	AVRG		0.37958333	7.7*
2,4,6-Trichlorophenol	0.399	AVRG		0.36839168	6.3*
2,4,5-Trichlorophenol	0.436	AVRG		0.39519995	7.3*
2,4-Dinitrophenol	0.132	LINR	0.18919470	4.51040660	0.999**
4-Nitrophenol	0.306	AVRG		0.28988312	6.8**
4,6-Dinitro-2-methylphenol	0.149	AVRG		0.15825704	10.0*
Pentachlorophenol	0.184	AVRG		0.18852031	3.2*
Benzoic Acid	0.173	LINR	0.08392670	4.20803629	0.992*
N-Nitrosodimethylamine	0.977	AVRG		0.84170871	12.2*
bis(2-Chloroethyl)ether	1.583	AVRG		1.45274157	12.3*
1,3-Dichlorobenzene	1.824	AVRG		1.56333264	10.8*
1,4-Dichlorobenzene	1.624	AVRG		1.47452994	8.7*
1,2-Dichlorobenzene	1.669	AVRG		1.51227437	8.8*
bis(2-chloroisopropyl)ether	1.844	AVRG		1.64247452	10.1*
N-Nitroso-di-n-propylamine	1.223	AVRG		1.11555839	6.9**
Hexachloroethane	0.753	AVRG		0.70478354	8.1*
Nitrobenzene	0.581	LINR	-0.1219076	2.60241735	0.993*
Isophorone	0.878	AVRG		0.80185939	9.4*
bis(2-Chloroethoxy)methane	0.477	AVRG		0.42268347	8.5*
1,2,4-Trichlorobenzene	0.418	AVRG		0.34866523	11.5*
Naphthalene	1.118	AVRG		0.99979005	8.8*
4-Chloroaniline	0.499	AVRG		0.46127322	7.8*
Hexachlorobutadiene	0.183	AVRG		0.17302615	7.0*
2-Methylnaphthalene	0.763	AVRG		0.69922748	6.4*
Hexachlorocyclopentadiene	0.190	AVRG		0.21927292	9.0**
2-Chloronaphthalene	1.202	AVRG		1.04894706	10.8*
2-Nitroaniline	0.407	AVRG		0.37390168	8.0*
Dimethylphthalate	1.523	AVRG		1.39576222	10.4*
Acenaphthylene	1.805	AVRG		1.67069926	10.4*
2,6-Dinitrotoluene	0.382	AVRG		0.34226304	8.7*
3-Nitroaniline	0.390	AVRG		0.38118636	5.2*
Acenaphthene	1.067	AVRG		1.01542526	7.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS1 Calibration Date(s): 10/05/06 10/05/06

Calibration Time(s): 1221 1531

RRF10: R30675

COMPOUND	RRF10	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2
Dibenzofuran	1.702	AVRG		1.57973468	8.5*
2,4-Dinitrotoluene	0.523	AVRG		0.47765566	6.5*
Diethylphthalate	1.694	AVRG		1.41704876	12.2*
4-Chlorophenyl-phenylether	0.623	AVRG		0.61764574	7.1*
Fluorene	1.382	AVRG		1.28225194	7.9*
4-Nitroaniline	0.411	AVRG		0.38312269	8.1*
N-Nitrosodiphenylamine	0.657	AVRG		0.61707569	4.5*
4-Bromophenyl-phenylether	0.254	AVRG		0.24013205	7.4*
Hexachlorobenzene	0.265	AVRG		0.25278300	5.3*
Phenanthrene	1.183	AVRG		1.18426811	7.4*
Anthracene	1.328	AVRG		1.18412205	8.8*
Carbazole	1.206	AVRG		1.11816844	10.0*
Di-n-butylphthalate	1.749	AVRG		1.58958026	12.7*
Fluoranthene	1.316	AVRG		1.21409401	10.0*
Pyrene	1.386	AVRG		1.28206975	7.1*
Benzidine	0.556	AVRG		0.38650426	31.9*
Butylbenzylphthalate	0.870	AVRG		0.79762818	6.7*
3,3'-Dichlorobenzidine	0.517	AVRG		0.46356423	8.7*
Benzo(a)anthracene	1.136	AVRG		1.10047516	4.9*
Chrysene	1.049	AVRG		1.02550333	3.3*
bis(2-Ethylhexyl)phthalate	1.143	AVRG		1.04959051	8.2*
Di-n-octylphthalate	2.156	AVRG		2.13313560	6.0*
Benzo(b)fluoranthene	1.560	AVRG		1.52609385	9.7*
Benzo(k)fluoranthene	1.333	AVRG		1.32460573	13.2*
Benzo(a)pyrene	1.303	AVRG		1.28376410	2.1*
Indeno(1,2,3-cd)pyrene	1.201	AVRG		1.27280275	3.5*
Dibenz(a,h)anthracene	0.976	AVRG		1.02069422	12.4*
Benzo(g,h,i)perylene	1.068	AVRG		1.10878877	5.1*
Pyridine	1.218	AVRG		1.27753861	9.9*
Aniline	2.216	AVRG		2.05315825	7.3*
Benzyl Alcohol	1.246	AVRG		1.12407789	7.7*
1,2-Diphenylhydrazine	1.073	AVRG		0.94437190	11.2*
Diphenyl	1.487	AVRG		1.33442408	9.1*
Diphenyl Ether	0.846	AVRG		0.75030228	7.6*
Acetophenone	2.376	AVRG		2.14345964	7.7**
1,4-Dioxane	0.443	AVRG		0.47862025	6.1**
N,N-Dimethylaniline	2.334	AVRG		2.02947802	14.4**
2,3,7,8-TCDD (Screen)		AVRG		0.15854055	0.0**
Benzaldehyde	1.138	AVRG		0.83171421	31.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS1 Calibration Date(s): 10/05/06 10/05/06

Calibration Time(s): 1221 1531

RRF10: R30675

COMPOUND	RRF10	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2
Caprolactam	0.179	AVRG		0.16581932	7.8*
Atrazine	0.222	LINR	-0.1438087	6.69565344	0.998*
n-decane	1.139	AVRG		0.97069272	13.6*
Coumarin	0.376	AVRG		0.33804443	10.5*
n-Octadecane	0.495	AVRG		0.44485637	14.9*
o-Tricresylphosphate	0.341	AVRG		0.31861426	5.8*
Carbamazepine	0.684	AVRG		0.63875285	4.7*
1-Methylnaphthalene	0.750	AVRG		0.65477505	9.7*
2-Fluorophenol (SUR)	1.573	AVRG		1.49806758	5.6*
Phenol-d5 (SUR)	1.952	AVRG		1.86222889	5.0*
2,4,6-Tribromophenol (SUR)	0.231	AVRG		0.21996825	5.7*
Nitrobenzene-d5 (SUR)	0.443	AVRG		0.41000127	7.2*
2-Fluorobiphenyl (SUR)	1.309	AVRG		1.19166532	8.1*
Terphenyl-d14 (SUR)	0.891	AVRG		0.87891021	3.0*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/06/06 Time: 0938

Lab File ID: R30686 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.7370000	1.7787056	1.7787056		-2.40	20.00	AVRG
2-Chlorophenol	1.4470000	1.4078830	1.4078830		2.70	20.00	AVRG
2-Methylphenol	1.4340000	1.4151712	1.4151712		1.31	20.00	AVRG
4-Methylphenol	1.6100000	1.5663736	1.5663736		2.71	20.00	AVRG
2-Nitrophenol	0.2210000	0.2245581	0.2245581		-1.61	20.00	AVRG
2,4-Dimethylphenol	0.3480000	0.3371997	0.3371997		3.10	20.00	AVRG
2,4-Dichlorophenol	0.3270000	0.3288739	0.3288739		-0.57	20.00	AVRG
4-Chloro-3-methylphenol	0.3790000	0.3879895	0.3879895		-2.37	20.00	AVRG
2,4,6-Trichlorophenol	0.3680000	0.3672554	0.3672554		0.20	20.00	AVRG
2,4,5-Trichlorophenol	0.3950000	0.3809631	0.3809631		3.55	20.00	AVRG
2,4-Dinitrophenol	45.751392	50.000000	0.1693134	0.05	8.50		LINR
4-Nitrophenol	0.2900000	0.2885674	0.2885674	0.05	0.49	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1580000	0.1633435	0.1633435		-3.38	20.00	AVRG
Pentachlorophenol	0.1880000	0.1869347	0.1869347		0.57	20.00	AVRG
Benzoic Acid	50.634628	50.000000	0.2247013		-1.27		LINR
N-Nitrosodimethylamine	0.8420000	0.8824662	0.8824662		-4.80	20.00	AVRG
bis(2-Chloroethyl)ether	1.4530000	1.3688204	1.3688204		5.79	20.00	AVRG
1,3-Dichlorobenzene	1.5630000	1.5419072	1.5419072		1.35	20.00	AVRG
1,4-Dichlorobenzene	1.4740000	1.5011720	1.5011720		-1.84	20.00	AVRG
1,2-Dichlorobenzene	1.5120000	1.5019784	1.5019784		0.66	20.00	AVRG
bis(2-chloroisopropyl)ether	1.6420000	1.6316616	1.6316616		0.63	20.00	AVRG
N-Nitroso-di-n-propylamine	1.1160000	1.1455961	1.1455961	0.05	-2.65	20.00	AVRG
Hexachloroethane	0.7050000	0.6978830	0.6978830		1.01	20.00	AVRG
Nitrobenzene	56.316663	50.000000	0.4702779		-12.63		LINR
Isophorone	0.8020000	0.7743724	0.7743724		3.44	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4220000	0.4220203	0.4220203		-0.00	20.00	AVRG
1,2,4-Trichlorobenzene	0.3490000	0.3536998	0.3536998		-1.35	20.00	AVRG
Naphthalene	1.0000000	1.0120361	1.0120361		-1.20	20.00	AVRG
4-Chloroaniline	0.4610000	0.4627021	0.4627021		-0.37	20.00	AVRG
Hexachlorobutadiene	0.1730000	0.1770497	0.1770497		-2.34	20.00	AVRG
2-Methylnaphthalene	0.6990000	0.7172388	0.7172388		-2.61	20.00	AVRG
Hexachlorocyclopentadiene	0.2190000	0.2023881	0.2023881	0.05	7.58	20.00	AVRG
2-Chloronaphthalene	1.0490000	0.9702176	0.9702176		7.51	20.00	AVRG
2-Nitroaniline	0.3740000	0.3519180	0.3519180		5.90	20.00	AVRG
Dimethylphthalate	1.3960000	1.4195784	1.4195784		-1.69	20.00	AVRG
Acenaphthylene	1.6700000	1.5686192	1.5686192		6.07	20.00	AVRG
2,6-Dinitrotoluene	0.3420000	0.3274408	0.3274408		4.26	20.00	AVRG
3-Nitroaniline	0.3810000	0.3653521	0.3653521		4.11	20.00	AVRG
Acenaphthene	1.0160000	1.0088421	1.0088421		0.70	20.00	AVRG
Dibenzofuran	1.5800000	1.5466576	1.5466576		2.11	20.00	AVRG
2,4-Dinitrotoluene	0.4780000	0.4591842	0.4591842		3.94	20.00	AVRG
Diethylphthalate	1.4170000	1.3581127	1.3581127		4.16	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/06/06 Time: 0938

Lab File ID: R30686 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.6180000	0.5799399	0.5799399		6.16	20.00	AVRG
Fluorene	1.2820000	1.2237983	1.2237983		4.54	20.00	AVRG
4-Nitroaniline	0.3830000	0.3708539	0.3708539		3.17	20.00	AVRG
N-Nitrosodiphenylamine	0.6170000	0.6217951	0.6217951		-0.78	20.00	AVRG
4-Bromophenyl-phenylether	0.2400000	0.2446806	0.2446806		-1.95	20.00	AVRG
Hexachlorobenzene	0.2530000	0.2621855	0.2621855		-3.63	20.00	AVRG
Phenanthrene	1.1840000	1.1624412	1.1624412		1.82	20.00	AVRG
Anthracene	1.1840000	1.1477979	1.1477979		3.06	20.00	AVRG
Carbazole	1.1180000	1.0861013	1.0861013		2.85	20.00	AVRG
Di-n-butylphthalate	1.5900000	1.5355065	1.5355065		3.43	20.00	AVRG
Fluoranthene	1.2140000	1.1401136	1.1401136		6.09	20.00	AVRG
Pyrene	1.2820000	1.2853806	1.2853806		-0.26	20.00	AVRG
Benzidine	0.3860000	0.3429049	0.3429049		11.16	20.00	AVRG
Butylbenzylphthalate	0.7980000	0.7957997	0.7957997		0.28	20.00	AVRG
3,3'-Dichlorobenzidine	0.4640000	0.4442773	0.4442773		4.25	20.00	AVRG
Benzo(a)anthracene	1.1000000	1.1547134	1.1547134		-4.97	20.00	AVRG
Chrysene	1.0250000	1.0153151	1.0153151		0.94	20.00	AVRG
bis(2-Ethylhexyl)phthalate	1.0500000	1.0268541	1.0268541		2.20	20.00	AVRG
Di-n-octylphthalate	2.1330000	2.0913717	2.0913717		1.95	20.00	AVRG
Benzo(b)fluoranthene	1.5260000	1.5728821	1.5728821		-3.07	20.00	AVRG
Benzo(k)fluoranthene	1.3240000	1.4268371	1.4268371		-7.77	20.00	AVRG
Benzo(a)pyrene	1.2840000	1.2355772	1.2355772		3.77	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.2730000	1.2034352	1.2034352		5.46	20.00	AVRG
Dibenz(a,h)anthracene	1.0210000	1.0131591	1.0131591		0.77	20.00	AVRG
Benzo(g,h,i)perylene	1.1090000	1.0648561	1.0648561		3.98	20.00	AVRG
Pyridine	1.2780000	1.4360400	1.4360400		-12.37	20.00	AVRG
Aniline	2.0530000	1.9944459	1.9944459		2.85	20.00	AVRG
Benzyl Alcohol	1.1240000	1.2364324	1.2364324		-10.00	20.00	AVRG
1,2-Diphenylhydrazine	0.9440000	0.9300132	0.9300132		1.48	20.00	AVRG
Diphenyl	1.3340000	1.3142598	1.3142598		1.48	20.00	AVRG
Diphenyl Ether	0.7500000	0.7591259	0.7591259		-1.22	20.00	AVRG
Acetophenone	2.1430000	2.1978237	2.1978237	0.01	-2.56	20.00	AVRG
1,4-Dioxane	0.4790000	0.4849769	0.4849769	0.01	-1.25	20.00	AVRG
N,N-Dimethylaniline	2.0300000	1.8892756	1.8892756	0.01	6.93	20.00	AVRG
2,3,7,8-TCDD (Screen)	0.1580000	0.1362687	0.1362687	0.01	13.75	20.00	AVRG
Benzaldehyde	0.8320000	0.7162560	0.7162560		13.91	20.00	AVRG
Caprolactam	0.1660000	0.1507296	0.1507296		9.20	20.00	AVRG
Atrazine	55.987333	50.000000	0.1844172		-11.97		LINR
n-decane	0.9700000	1.0390053	1.0390053		-7.11	20.00	AVRG
Coumarin	0.3380000	0.3319896	0.3319896		1.78	20.00	AVRG
n-Octadecane	0.4440000	0.4510386	0.4510386		-1.58	20.00	AVRG
o-Tricresylphosphate	0.3190000	0.3260409	0.3260409		-2.21	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/06/06 Time: 0938

Lab File ID: R30686 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6380000	0.5954496	0.5954496		6.67	20.00	AVRG
1-Methylnaphthalene	0.6540000	0.6655683	0.6655683		-1.77	20.00	AVRG
2-Fluorophenol (SUR)	1.4980000	1.5424018	1.5424018		-2.96	20.00	AVRG
Phenol-d5 (SUR)	1.8620000	1.9919535	1.9919535		-6.98	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.2200000	0.2074353	0.2074353		5.71	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4100000	0.4020024	0.4020024		1.95	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1920000	1.1944477	1.1944477		-0.20	20.00	AVRG
Terphenyl-d14 (SUR)	0.8790000	0.8972462	0.8972462		-2.08	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 3.736782312
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/08/06 Time: 0821

Lab File ID: R30706 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.7370000	1.8443845	1.8443845		-6.18	20.00	AVRG
2-Chlorophenol	1.4470000	1.4232767	1.4232767		1.64	20.00	AVRG
2-Methylphenol	1.4340000	1.6453412	1.6453412		-14.74	20.00	AVRG
4-Methylphenol	1.6100000	1.6747973	1.6747973		-4.02	20.00	AVRG
2-Nitrophenol	0.2210000	0.2168697	0.2168697		1.87	20.00	AVRG
2,4-Dimethylphenol	0.3480000	0.3474672	0.3474672		0.15	20.00	AVRG
2,4-Dichlorophenol	0.3270000	0.3416464	0.3416464		-4.48	20.00	AVRG
4-Chloro-3-methylphenol	0.3790000	0.4071355	0.4071355		-7.42	20.00	AVRG
2,4,6-Trichlorophenol	0.3680000	0.3487751	0.3487751		5.22	20.00	AVRG
2,4,5-Trichlorophenol	0.3950000	0.3777913	0.3777913		4.36	20.00	AVRG
2,4-Dinitrophenol	35.592896	50.000000	0.1242687	0.05	28.81		LINR
4-Nitrophenol	0.2900000	0.2847426	0.2847426	0.05	1.81	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1580000	0.1378584	0.1378584		12.75	20.00	AVRG
Pentachlorophenol	0.1880000	0.1732484	0.1732484		7.85	20.00	AVRG
Benzoic Acid	36.119783	50.000000	0.1557150		27.76		LINR
N-Nitrosodimethylamine	0.8420000	0.8989439	0.8989439		-6.76	20.00	AVRG
bis(2-Chloroethyl)ether	1.4530000	1.4600058	1.4600058		-0.48	20.00	AVRG
1,3-Dichlorobenzene	1.5630000	1.5307960	1.5307960		2.06	20.00	AVRG
1,4-Dichlorobenzene	1.4740000	1.4172359	1.4172359		3.85	20.00	AVRG
1,2-Dichlorobenzene	1.5120000	1.5463472	1.5463472		-2.27	20.00	AVRG
bis(2-chloroisopropyl)ether	1.6420000	1.8245857	1.8245857		-11.12	20.00	AVRG
N-Nitroso-di-n-propylamine	1.1160000	1.2051626	1.2051626	0.05	-7.99	20.00	AVRG
Hexachloroethane	0.7050000	0.6964278	0.6964278		1.22	20.00	AVRG
Nitrobenzene	59.007920	50.000000	0.4909606		-18.02		LINR
Isophorone	0.8020000	0.7800646	0.7800646		2.74	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4220000	0.4282969	0.4282969		-1.49	20.00	AVRG
1,2,4-Trichlorobenzene	0.3490000	0.3351360	0.3351360		3.97	20.00	AVRG
Naphthalene	1.0000000	0.9958132	0.9958132		0.42	20.00	AVRG
4-Chloroaniline	0.4610000	0.4619137	0.4619137		-0.20	20.00	AVRG
Hexachlorobutadiene	0.1730000	0.1782144	0.1782144		-3.01	20.00	AVRG
2-Methylnaphthalene	0.6990000	0.7020014	0.7020014		-0.43	20.00	AVRG
Hexachlorocyclopentadiene	0.2190000	0.2280303	0.2280303	0.05	-4.12	20.00	AVRG
2-Chloronaphthalene	1.0490000	1.0141582	1.0141582		3.32	20.00	AVRG
2-Nitroaniline	0.3740000	0.3685198	0.3685198		1.46	20.00	AVRG
Dimethylphthalate	1.3960000	1.3618635	1.3618635		2.44	20.00	AVRG
Acenaphthylene	1.6700000	1.6048181	1.6048181		3.90	20.00	AVRG
2,6-Dinitrotoluene	0.3420000	0.3407991	0.3407991		0.35	20.00	AVRG
3-Nitroaniline	0.3810000	0.3734747	0.3734747		1.98	20.00	AVRG
Acenaphthene	1.0160000	0.9976731	0.9976731		1.80	20.00	AVRG
Dibenzofuran	1.5800000	1.5640601	1.5640601		1.01	20.00	AVRG
2,4-Dinitrotoluene	0.4780000	0.4917398	0.4917398		-2.87	20.00	AVRG
Diethylphthalate	1.4170000	1.3702639	1.3702639		3.30	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/08/06 Time: 0821

Lab File ID: R30706 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.6180000	0.5979063	0.5979063		3.25	20.00	AVRG	
Fluorene	1.2820000	1.3000174	1.3000174		-1.40	20.00	AVRG	
4-Nitroaniline	0.3830000	0.3523328	0.3523328		8.01	20.00	AVRG	
N-Nitrosodiphenylamine	0.6170000	0.6272368	0.6272368		-1.66	20.00	AVRG	
4-Bromophenyl-phenylether	0.2400000	0.2340069	0.2340069		2.50	20.00	AVRG	
Hexachlorobenzene	0.2530000	0.2548565	0.2548565		-0.73	20.00	AVRG	
Phenanthrene	1.1840000	1.1657551	1.1657551		1.54	20.00	AVRG	
Anthracene	1.1840000	1.1393949	1.1393949		3.77	20.00	AVRG	
Carbazole	1.1180000	1.0162188	1.0162188		9.10	20.00	AVRG	
Di-n-butylphthalate	1.5900000	1.4529981	1.4529981		8.62	20.00	AVRG	
Fluoranthene	1.2140000	1.1293596	1.1293596		6.97	20.00	AVRG	
Pyrene	1.2820000	1.4096308	1.4096308		-9.96	20.00	AVRG	
Benzidine	0.3860000	0.2099690	0.2099690		45.60	20.00	AVRG	<-
Butylbenzylphthalate	0.7980000	0.8604270	0.8604270		-7.82	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4640000	0.4485887	0.4485887		3.32	20.00	AVRG	
Benzo(a)anthracene	1.1000000	1.0815868	1.0815868		1.67	20.00	AVRG	
Chrysene	1.0250000	1.0362315	1.0362315		-1.10	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	1.0500000	1.1677959	1.1677959		-11.22	20.00	AVRG	
Di-n-octylphthalate	2.1330000	2.1381130	2.1381130		-0.24	20.00	AVRG	
Benzo(b)fluoranthene	1.5260000	1.5890351	1.5890351		-4.13	20.00	AVRG	
Benzo(k)fluoranthene	1.3240000	1.2856294	1.2856294		2.90	20.00	AVRG	
Benzo(a)pyrene	1.2840000	1.3209543	1.3209543		-2.88	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2730000	1.3225172	1.3225172		-3.89	20.00	AVRG	
Dibenz(a,h)anthracene	1.0210000	1.1020725	1.1020725		-7.94	20.00	AVRG	
Benzo(g,h,i)perylene	1.1090000	1.1432243	1.1432243		-3.09	20.00	AVRG	
Pyridine	1.2780000	1.3697608	1.3697608		-7.18	20.00	AVRG	
Aniline	2.0530000	2.1073690	2.1073690		-2.65	20.00	AVRG	
Benzyl Alcohol	1.1240000	1.2160821	1.2160821		-8.19	20.00	AVRG	
1,2-Diphenylhydrazine	0.9440000	0.8920096	0.8920096		5.51	20.00	AVRG	
Diphenyl	1.3340000	1.3069014	1.3069014		2.03	20.00	AVRG	
Diphenyl Ether	0.7500000	0.7680983	0.7680983		-2.41	20.00	AVRG	
Acetophenone	2.1430000	2.2048570	2.2048570	0.01	-2.89	20.00	AVRG	
1,4-Dioxane	0.4790000	0.4866720	0.4866720	0.01	-1.60	20.00	AVRG	
N,N-Dimethylaniline	2.0300000	1.9254264	1.9254264	0.01	5.15	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1580000	0.1826126	0.1826126	0.01	-15.58	20.00	AVRG	
Benzaldehyde	0.8320000	0.6293342	0.6293342		24.36	20.00	AVRG	<-
Caprolactam	0.1660000	0.1589670	0.1589670		4.24	20.00	AVRG	
Atrazine	52.707968	50.000000	0.1746217		-5.42		LINR	
n-decane	0.9700000	0.9403949	0.9403949		3.05	20.00	AVRG	
Coumarin	0.3380000	0.3483512	0.3483512		-3.06	20.00	AVRG	
n-Octadecane	0.4440000	0.4491858	0.4491858		-1.17	20.00	AVRG	
o-Tricresylphosphate	0.3190000	0.3484833	0.3484833		-9.24	20.00	AVRG	

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/08/06 Time: 0821

Lab File ID: R30706 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6380000	0.6006119	0.6006119		5.86	20.00	AVRG
1-Methylnaphthalene	0.6540000	0.6725335	0.6725335		-2.83	20.00	AVRG
2-Fluorophenol (SUR)	1.4980000	1.5914013	1.5914013		-6.24	20.00	AVRG
Phenol-d5 (SUR)	1.8620000	1.9915415	1.9915415		-6.96	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.2200000	0.2057531	0.2057531		6.48	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4100000	0.4316884	0.4316884		-5.29	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1920000	1.1012979	1.1012979		7.61	20.00	AVRG
Terphenyl-d14 (SUR)	0.8790000	0.9442710	0.9442710		-7.42	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 5.730941296
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/09/06 Time: 1028

Lab File ID: R30723 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.7370000	1.7190156	1.7190156		1.04	20.00	AVRG
2-Chlorophenol	1.4470000	1.4685946	1.4685946		-1.49	20.00	AVRG
2-Methylphenol	1.4340000	1.5324320	1.5324320		-6.86	20.00	AVRG
4-Methylphenol	1.6100000	1.5909833	1.5909833		1.18	20.00	AVRG
2-Nitrophenol	0.2210000	0.2162309	0.2162309		2.16	20.00	AVRG
2,4-Dimethylphenol	0.3480000	0.3392960	0.3392960		2.50	20.00	AVRG
2,4-Dichlorophenol	0.3270000	0.3416462	0.3416462		-4.48	20.00	AVRG
4-Chloro-3-methylphenol	0.3790000	0.3788792	0.3788792		0.03	20.00	AVRG
2,4,6-Trichlorophenol	0.3680000	0.3564936	0.3564936		3.13	20.00	AVRG
2,4,5-Trichlorophenol	0.3950000	0.3775411	0.3775411		4.42	20.00	AVRG
2,4-Dinitrophenol	28.356380	50.000000	0.0921806	0.05	43.29		LINR
4-Nitrophenol	0.2900000	0.2767939	0.2767939	0.05	4.55	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1580000	0.1312192	0.1312192		16.95	20.00	AVRG
Pentachlorophenol	0.1880000	0.1667824	0.1667824		11.28	20.00	AVRG
Benzoic Acid	24.476730	50.000000	0.1003778		51.05		LINR
N-Nitrosodimethylamine	0.8420000	0.8634093	0.8634093		-2.54	20.00	AVRG
bis(2-Chloroethyl)ether	1.4530000	1.4923854	1.4923854		-2.71	20.00	AVRG
1,3-Dichlorobenzene	1.5630000	1.5406231	1.5406231		1.43	20.00	AVRG
1,4-Dichlorobenzene	1.4740000	1.4600554	1.4600554		0.95	20.00	AVRG
1,2-Dichlorobenzene	1.5120000	1.4897484	1.4897484		1.47	20.00	AVRG
bis(2-chloroisopropyl)ether	1.6420000	1.7074545	1.7074545		-3.99	20.00	AVRG
N-Nitroso-di-n-propylamine	1.1160000	1.0873071	1.0873071	0.05	2.57	20.00	AVRG
Hexachloroethane	0.7050000	0.7014482	0.7014482		0.50	20.00	AVRG
Nitrobenzene	51.943176	50.000000	0.4366669		-3.89		LINR
Isophorone	0.8020000	0.7532779	0.7532779		6.08	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4220000	0.4242364	0.4242364		-0.53	20.00	AVRG
1,2,4-Trichlorobenzene	0.3490000	0.3346739	0.3346739		4.10	20.00	AVRG
Naphthalene	1.0000000	0.9790390	0.9790390		2.10	20.00	AVRG
4-Chloroaniline	0.4610000	0.4526361	0.4526361		1.81	20.00	AVRG
Hexachlorobutadiene	0.1730000	0.1681492	0.1681492		2.80	20.00	AVRG
2-Methylnaphthalene	0.6990000	0.6726750	0.6726750		3.77	20.00	AVRG
Hexachlorocyclopentadiene	0.2190000	0.2205274	0.2205274	0.05	-0.70	20.00	AVRG
2-Chloronaphthalene	1.0490000	0.9922471	0.9922471		5.41	20.00	AVRG
2-Nitroaniline	0.3740000	0.3425049	0.3425049		8.42	20.00	AVRG
Dimethylphthalate	1.3960000	1.2655991	1.2655991		9.34	20.00	AVRG
Acenaphthylene	1.6700000	1.5494001	1.5494001		7.22	20.00	AVRG
2,6-Dinitrotoluene	0.3420000	0.3392227	0.3392227		0.81	20.00	AVRG
3-Nitroaniline	0.3810000	0.3542203	0.3542203		7.03	20.00	AVRG
Acenaphthene	1.0160000	0.9467598	0.9467598		6.81	20.00	AVRG
Dibenzofuran	1.5800000	1.4798266	1.4798266		6.34	20.00	AVRG
2,4-Dinitrotoluene	0.4780000	0.4449437	0.4449437		6.92	20.00	AVRG
Diethylphthalate	1.4170000	1.3370175	1.3370175		5.64	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/09/06 Time: 1028

Lab File ID: R30723 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.6180000	0.5637338	0.5637338		8.78	20.00	AVRG	
Fluorene	1.2820000	1.1744297	1.1744297		8.39	20.00	AVRG	
4-Nitroaniline	0.3830000	0.3672916	0.3672916		4.10	20.00	AVRG	
N-Nitrosodiphenylamine	0.6170000	0.6375144	0.6375144		-3.32	20.00	AVRG	
4-Bromophenyl-phenylether	0.2400000	0.2353845	0.2353845		1.92	20.00	AVRG	
Hexachlorobenzene	0.2530000	0.2502645	0.2502645		1.08	20.00	AVRG	
Phenanthrene	1.1840000	1.1648712	1.1648712		1.62	20.00	AVRG	
Anthracene	1.1840000	1.1499068	1.1499068		2.88	20.00	AVRG	
Carbazole	1.1180000	1.0817162	1.0817162		3.24	20.00	AVRG	
Di-n-butylphthalate	1.5900000	1.4289071	1.4289071		10.13	20.00	AVRG	
Fluoranthene	1.2140000	1.1710053	1.1710053		3.54	20.00	AVRG	
Pyrene	1.2820000	1.2403329	1.2403329		3.25	20.00	AVRG	
Benzidine	0.3860000	0.2635853	0.2635853		31.71	20.00	AVRG	<-
Butylbenzylphthalate	0.7980000	0.7880398	0.7880398		1.25	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4640000	0.4383374	0.4383374		5.53	20.00	AVRG	
Benzo(a)anthracene	1.1000000	1.0727560	1.0727560		2.48	20.00	AVRG	
Chrysene	1.0250000	0.9975335	0.9975335		2.68	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	1.0500000	1.0097217	1.0097217		3.84	20.00	AVRG	
Di-n-octylphthalate	2.1330000	2.0011253	2.0011253		6.18	20.00	AVRG	
Benzo(b)fluoranthene	1.5260000	1.3494188	1.3494188		11.57	20.00	AVRG	
Benzo(k)fluoranthene	1.3240000	1.3544436	1.3544436		-2.30	20.00	AVRG	
Benzo(a)pyrene	1.2840000	1.2612753	1.2612753		1.77	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2730000	1.3336326	1.3336326		-4.76	20.00	AVRG	
Dibenz(a,h)anthracene	1.0210000	1.0969629	1.0969629		-7.44	20.00	AVRG	
Benzo(g,h,i)perylene	1.1090000	1.1753032	1.1753032		-5.98	20.00	AVRG	
Pyridine	1.2780000	1.3329103	1.3329103		-4.30	20.00	AVRG	
Aniline	2.0530000	2.0913018	2.0913018		-1.86	20.00	AVRG	
Benzyl Alcohol	1.1240000	1.1504176	1.1504176		-2.35	20.00	AVRG	
1,2-Diphenylhydrazine	0.9440000	0.8599917	0.8599917		8.90	20.00	AVRG	
Diphenyl	1.3340000	1.2668955	1.2668955		5.03	20.00	AVRG	
Diphenyl Ether	0.7500000	0.7008289	0.7008289		6.56	20.00	AVRG	
Acetophenone	2.1430000	2.1089901	2.1089901	0.01	1.59	20.00	AVRG	
1,4-Dioxane	0.4790000	0.4546190	0.4546190	0.01	5.09	20.00	AVRG	
N,N-Dimethylaniline	2.0300000	1.8759400	1.8759400	0.01	7.59	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1580000	0.1762155	0.1762155	0.01	-11.53	20.00	AVRG	
Benzaldehyde	0.8320000	0.6624828	0.6624828		20.37	20.00	AVRG	<-
Caprolactam	0.1660000	0.1699059	0.1699059		-2.35	20.00	AVRG	
Atrazine	54.947775	50.000000	0.1813120		-9.90		LINR	
n-decane	0.9700000	0.9290427	0.9290427		4.22	20.00	AVRG	
Coumarin	0.3380000	0.3359088	0.3359088		0.62	20.00	AVRG	
n-Octadecane	0.4440000	0.4282902	0.4282902		3.54	20.00	AVRG	
o-Tricresylphosphate	0.3190000	0.3135435	0.3135435		1.71	20.00	AVRG	

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/09/06 Time: 1028

Lab File ID: R30723 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6380000	0.6163587	0.6163587		3.39	20.00	AVRG
1-Methylnaphthalene	0.6540000	0.6354055	0.6354055		2.84	20.00	AVRG
2-Fluorophenol (SUR)	1.4980000	1.5581944	1.5581944		-4.02	20.00	AVRG
Phenol-d5 (SUR)	1.8620000	2.0322360	2.0322360		-9.14	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.2200000	0.1973531	0.1973531		10.29	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4100000	0.3943538	0.3943538		3.82	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1920000	1.0944051	1.0944051		8.19	20.00	AVRG
Terphenyl-d14 (SUR)	0.8790000	0.8450708	0.8450708		3.86	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 5.908988953
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/19/06 Time: 0945

Lab File ID: R30864 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.7370000	1.6558133	1.6558133		4.67	20.00	AVRG
2-Chlorophenol	1.4470000	1.3821071	1.3821071		4.48	20.00	AVRG
2-Methylphenol	1.4340000	1.4791776	1.4791776		-3.15	20.00	AVRG
4-Methylphenol	1.6100000	1.6528467	1.6528467		-2.66	20.00	AVRG
2-Nitrophenol	0.2210000	0.2199275	0.2199275		0.48	20.00	AVRG
2,4-Dimethylphenol	0.3480000	0.3592472	0.3592472		-3.23	20.00	AVRG
2,4-Dichlorophenol	0.3270000	0.3249778	0.3249778		0.62	20.00	AVRG
4-Chloro-3-methylphenol	0.3790000	0.3621851	0.3621851		4.44	20.00	AVRG
2,4,6-Trichlorophenol	0.3680000	0.3584829	0.3584829		2.59	20.00	AVRG
2,4,5-Trichlorophenol	0.3950000	0.3835874	0.3835874		2.89	20.00	AVRG
2,4-Dinitrophenol	49.212819	50.000000	0.1846620	0.05	1.57		LINR
4-Nitrophenol	0.2900000	0.2836358	0.2836358	0.05	2.19	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1580000	0.1648346	0.1648346		-4.32	20.00	AVRG
Pentachlorophenol	0.1880000	0.1717952	0.1717952		8.62	20.00	AVRG
Benzoic Acid	52.010768	50.000000	0.2312418		-4.02		LINR
N-Nitrosodimethylamine	0.8420000	0.8090650	0.8090650		3.91	20.00	AVRG
bis(2-Chloroethyl)ether	1.4530000	1.3169082	1.3169082		9.37	20.00	AVRG
1,3-Dichlorobenzene	1.5630000	1.4796866	1.4796866		5.33	20.00	AVRG
1,4-Dichlorobenzene	1.4740000	1.4708631	1.4708631		0.21	20.00	AVRG
1,2-Dichlorobenzene	1.5120000	1.4648746	1.4648746		3.12	20.00	AVRG
bis(2-chloroisopropyl)ether	1.6420000	1.5331954	1.5331954		6.63	20.00	AVRG
N-Nitroso-di-n-propylamine	1.1160000	1.0685264	1.0685264	0.05	4.25	20.00	AVRG
Hexachloroethane	0.7050000	0.6837456	0.6837456		3.01	20.00	AVRG
Nitrobenzene	51.758500	50.000000	0.4352477		-3.52		LINR
Isophorone	0.8020000	0.7362816	0.7362816		8.19	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4220000	0.4208052	0.4208052		0.28	20.00	AVRG
1,2,4-Trichlorobenzene	0.3490000	0.3384575	0.3384575		3.02	20.00	AVRG
Naphthalene	1.0000000	1.0004038	1.0004038		-0.04	20.00	AVRG
4-Chloroaniline	0.4610000	0.4504102	0.4504102		2.30	20.00	AVRG
Hexachlorobutadiene	0.1730000	0.1697627	0.1697627		1.87	20.00	AVRG
2-Methylnaphthalene	0.6990000	0.6837623	0.6837623		2.18	20.00	AVRG
Hexachlorocyclopentadiene	0.2190000	0.2385274	0.2385274	0.05	-8.92	20.00	AVRG
2-Chloronaphthalene	1.0490000	1.0173409	1.0173409		3.02	20.00	AVRG
2-Nitroaniline	0.3740000	0.3549116	0.3549116		5.10	20.00	AVRG
Dimethylphthalate	1.3960000	1.3904608	1.3904608		0.40	20.00	AVRG
Acenaphthylene	1.6700000	1.6320807	1.6320807		2.27	20.00	AVRG
2,6-Dinitrotoluene	0.3420000	0.3833446	0.3833446		-12.09	20.00	AVRG
3-Nitroaniline	0.3810000	0.3722629	0.3722629		2.29	20.00	AVRG
Acenaphthene	1.0160000	1.0116435	1.0116435		0.43	20.00	AVRG
Dibenzofuran	1.5800000	1.5587887	1.5587887		1.34	20.00	AVRG
2,4-Dinitrotoluene	0.4780000	0.4836625	0.4836625		-1.18	20.00	AVRG
Diethylphthalate	1.4170000	1.3507781	1.3507781		4.67	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/19/06 Time: 0945

Lab File ID: R30864 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.6180000	0.6152981	0.6152981		0.44	20.00	AVRG
Fluorene	1.2820000	1.2483583	1.2483583		2.62	20.00	AVRG
4-Nitroaniline	0.3830000	0.3917906	0.3917906		-2.30	20.00	AVRG
N-Nitrosodiphenylamine	0.6170000	0.6102665	0.6102665		1.09	20.00	AVRG
4-Bromophenyl-phenylether	0.2400000	0.2351312	0.2351312		2.03	20.00	AVRG
Hexachlorobenzene	0.2530000	0.2505905	0.2505905		0.95	20.00	AVRG
Phenanthrene	1.1840000	1.1295161	1.1295161		4.60	20.00	AVRG
Anthracene	1.1840000	1.1046685	1.1046685		6.70	20.00	AVRG
Carbazole	1.1180000	1.0334826	1.0334826		7.56	20.00	AVRG
Di-n-butylphthalate	1.5900000	1.4424428	1.4424428		9.28	20.00	AVRG
Fluoranthene	1.2140000	1.0913146	1.0913146		10.10	20.00	AVRG
Pyrene	1.2820000	1.2362909	1.2362909		3.56	20.00	AVRG
Benzidine	0.3860000	0.3145999	0.3145999		18.50	20.00	AVRG
Butylbenzylphthalate	0.7980000	0.7643120	0.7643120		4.22	20.00	AVRG
3,3'-Dichlorobenzidine	0.4640000	0.4580578	0.4580578		1.28	20.00	AVRG
Benzo(a)anthracene	1.1000000	1.0860788	1.0860788		1.26	20.00	AVRG
Chrysene	1.0250000	0.9969950	0.9969950		2.73	20.00	AVRG
bis(2-Ethylhexyl)phthalate	1.0500000	0.9880753	0.9880753		5.90	20.00	AVRG
Di-n-octylphthalate	2.1330000	2.0588233	2.0588233		3.48	20.00	AVRG
Benzo(b)fluoranthene	1.5260000	1.4209501	1.4209501		6.88	20.00	AVRG
Benzo(k)fluoranthene	1.3240000	1.4002399	1.4002399		-5.76	20.00	AVRG
Benzo(a)pyrene	1.2840000	1.2786852	1.2786852		0.41	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.2730000	1.3806318	1.3806318		-8.45	20.00	AVRG
Dibenz(a,h)anthracene	1.0210000	1.1442340	1.1442340		-12.07	20.00	AVRG
Benzo(g,h,i)perylene	1.1090000	1.2297915	1.2297915		-10.89	20.00	AVRG
Pyridine	1.2780000	1.3091534	1.3091534		-2.44	20.00	AVRG
Aniline	2.0530000	2.0070128	2.0070128		2.24	20.00	AVRG
Benzyl Alcohol	1.1240000	1.1385860	1.1385860		-1.30	20.00	AVRG
1,2-Diphenylhydrazine	0.9440000	0.8598104	0.8598104		8.92	20.00	AVRG
Diphenyl	1.3340000	1.3059422	1.3059422		2.10	20.00	AVRG
Diphenyl Ether	0.7500000	0.7536944	0.7536944		-0.49	20.00	AVRG
Acetophenone	2.1430000	1.9660241	1.9660241	0.01	8.26	20.00	AVRG
1,4-Dioxane	0.4790000	0.4193166	0.4193166	0.01	12.46	20.00	AVRG
N,N-Dimethylaniline	2.0300000	1.8161284	1.8161284	0.01	10.54	20.00	AVRG
2,3,7,8-TCDD (Screen)	0.1580000	0.1693063	0.1693063	0.01	-7.16	20.00	AVRG
Benzaldehyde	0.8320000	0.7447772	0.7447772		10.48	20.00	AVRG
Caprolactam	0.1660000	0.1575467	0.1575467		5.09	20.00	AVRG
Atrazine	55.316447	50.000000	0.1824133		-10.63		LINR
n-decane	0.9700000	0.8926359	0.8926359		7.98	20.00	AVRG
Coumarin	0.3380000	0.3253857	0.3253857		3.73	20.00	AVRG
n-Octadecane	0.4440000	0.3891652	0.3891652		12.35	20.00	AVRG
o-Tricresylphosphate	0.3190000	0.3109654	0.3109654		2.52	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/19/06 Time: 0945

Lab File ID: R30864 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6380000	0.6041999	0.6041999		5.30	20.00	AVRG
1-Methylnaphthalene	0.6540000	0.6211169	0.6211169		5.03	20.00	AVRG
2-Fluorophenol (SUR)	1.4980000	1.4399307	1.4399307		3.88	20.00	AVRG
Phenol-d5 (SUR)	1.8620000	1.8750289	1.8750289		-0.70	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.2200000	0.2181277	0.2181277		0.85	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4100000	0.3926976	0.3926976		4.22	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1920000	1.1992919	1.1992919		-0.61	20.00	AVRG
Terphenyl-d14 (SUR)	0.8790000	0.8830059	0.8830059		-0.46	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 4.481700897
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/20/06 Time: 0942

Lab File ID: R30883 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.7370000	1.8258416	1.8258416		-5.11	20.00	AVRG
2-Chlorophenol	1.4470000	1.4443944	1.4443944		0.18	20.00	AVRG
2-Methylphenol	1.4340000	1.4546478	1.4546478		-1.44	20.00	AVRG
4-Methylphenol	1.6100000	1.5913673	1.5913673		1.16	20.00	AVRG
2-Nitrophenol	0.2210000	0.2343868	0.2343868		-6.06	20.00	AVRG
2,4-Dimethylphenol	0.3480000	0.3460664	0.3460664		0.56	20.00	AVRG
2,4-Dichlorophenol	0.3270000	0.3143116	0.3143116		3.88	20.00	AVRG
4-Chloro-3-methylphenol	0.3790000	0.3581443	0.3581443		5.50	20.00	AVRG
2,4,6-Trichlorophenol	0.3680000	0.3437091	0.3437091		6.60	20.00	AVRG
2,4,5-Trichlorophenol	0.3950000	0.3755850	0.3755850		4.92	20.00	AVRG
2,4-Dinitrophenol	55.363553	50.000000	0.2119355	0.05	-10.73		LINR
4-Nitrophenol	0.2900000	0.2796409	0.2796409	0.05	3.57	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1580000	0.1688526	0.1688526		-6.87	20.00	AVRG
Pentachlorophenol	0.1880000	0.1650800	0.1650800		12.19	20.00	AVRG
Benzoic Acid	48.442286	50.000000	0.2142815		3.12		LINR
N-Nitrosodimethylamine	0.8420000	0.9002622	0.9002622		-6.92	20.00	AVRG
bis(2-Chloroethyl)ether	1.4530000	1.4792595	1.4792595		-1.81	20.00	AVRG
1,3-Dichlorobenzene	1.5630000	1.5246218	1.5246218		2.46	20.00	AVRG
1,4-Dichlorobenzene	1.4740000	1.5295773	1.5295773		-3.77	20.00	AVRG
1,2-Dichlorobenzene	1.5120000	1.5003549	1.5003549		0.77	20.00	AVRG
bis(2-chloroisopropyl)ether	1.6420000	1.6786223	1.6786223		-2.23	20.00	AVRG
N-Nitroso-di-n-propylamine	1.1160000	1.1222711	1.1222711	0.05	-0.56	20.00	AVRG
Hexachloroethane	0.7050000	0.6975647	0.6975647		1.05	20.00	AVRG
Nitrobenzene	52.731936	50.000000	0.4427287		-5.46		LINR
Isophorone	0.8020000	0.7732516	0.7732516		3.58	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4220000	0.4132344	0.4132344		2.08	20.00	AVRG
1,2,4-Trichlorobenzene	0.3490000	0.3345017	0.3345017		4.15	20.00	AVRG
Naphthalene	1.0000000	0.9553117	0.9553117		4.47	20.00	AVRG
4-Chloroaniline	0.4610000	0.4407419	0.4407419		4.39	20.00	AVRG
Hexachlorobutadiene	0.1730000	0.1602508	0.1602508		7.37	20.00	AVRG
2-Methylnaphthalene	0.6990000	0.6794051	0.6794051		2.80	20.00	AVRG
Hexachlorocyclopentadiene	0.2190000	0.2382995	0.2382995	0.05	-8.81	20.00	AVRG
2-Chloronaphthalene	1.0490000	1.0501321	1.0501321		-0.11	20.00	AVRG
2-Nitroaniline	0.3740000	0.3583427	0.3583427		4.19	20.00	AVRG
Dimethylphthalate	1.3960000	1.2973127	1.2973127		7.07	20.00	AVRG
Acenaphthylene	1.6700000	1.5707663	1.5707663		5.94	20.00	AVRG
2,6-Dinitrotoluene	0.3420000	0.3373459	0.3373459		1.36	20.00	AVRG
3-Nitroaniline	0.3810000	0.3783202	0.3783202		0.70	20.00	AVRG
Acenaphthene	1.0160000	0.9873764	0.9873764		2.82	20.00	AVRG
Dibenzofuran	1.5800000	1.5290801	1.5290801		3.22	20.00	AVRG
2,4-Dinitrotoluene	0.4780000	0.4413671	0.4413671		7.66	20.00	AVRG
Diethylphthalate	1.4170000	1.3139837	1.3139837		7.27	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/20/06 Time: 0942

Lab File ID: R30883 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.6180000	0.5854678	0.5854678		5.26	20.00	AVRG	
Fluorene	1.2820000	1.2123377	1.2123377		5.43	20.00	AVRG	
4-Nitroaniline	0.3830000	0.3829806	0.3829806		0.00	20.00	AVRG	
N-Nitrosodiphenylamine	0.6170000	0.6145329	0.6145329		0.40	20.00	AVRG	
4-Bromophenyl-phenylether	0.2400000	0.2339671	0.2339671		2.51	20.00	AVRG	
Hexachlorobenzene	0.2530000	0.2486005	0.2486005		1.74	20.00	AVRG	
Phenanthrene	1.1840000	1.1193725	1.1193725		5.46	20.00	AVRG	
Anthracene	1.1840000	1.1182044	1.1182044		5.56	20.00	AVRG	
Carbazole	1.1180000	1.0571576	1.0571576		5.44	20.00	AVRG	
Di-n-butylphthalate	1.5900000	1.4476302	1.4476302		8.95	20.00	AVRG	
Fluoranthene	1.2140000	1.1212856	1.1212856		7.64	20.00	AVRG	
Pyrene	1.2820000	1.2191661	1.2191661		4.90	20.00	AVRG	
Benzidine	0.3860000	0.2874258	0.2874258		25.54	20.00	AVRG	<-
Butylbenzylphthalate	0.7980000	0.8083342	0.8083342		-1.30	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4640000	0.4905728	0.4905728		-5.73	20.00	AVRG	
Benzo(a)anthracene	1.1000000	1.0767377	1.0767377		2.11	20.00	AVRG	
Chrysene	1.0250000	1.0017579	1.0017579		2.27	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	1.0500000	1.0004346	1.0004346		4.72	20.00	AVRG	
Di-n-octylphthalate	2.1330000	2.0431285	2.0431285		4.21	20.00	AVRG	
Benzo(b)fluoranthene	1.5260000	1.6199756	1.6199756		-6.16	20.00	AVRG	
Benzo(k)fluoranthene	1.3240000	1.2866932	1.2866932		2.82	20.00	AVRG	
Benzo(a)pyrene	1.2840000	1.2693603	1.2693603		1.14	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2730000	1.4097612	1.4097612		-10.74	20.00	AVRG	
Dibenz(a,h)anthracene	1.0210000	1.1621172	1.1621172		-13.82	20.00	AVRG	
Benzo(g,h,i)perylene	1.1090000	1.2296834	1.2296834		-10.88	20.00	AVRG	
Pyridine	1.2780000	1.3890666	1.3890666		-8.69	20.00	AVRG	
Aniline	2.0530000	2.0443678	2.0443678		0.42	20.00	AVRG	
Benzyl Alcohol	1.1240000	1.1661760	1.1661760		-3.75	20.00	AVRG	
1,2-Diphenylhydrazine	0.9440000	0.8876870	0.8876870		5.96	20.00	AVRG	
Diphenyl	1.3340000	1.3054738	1.3054738		2.14	20.00	AVRG	
Diphenyl Ether	0.7500000	0.7277818	0.7277818		2.96	20.00	AVRG	
Acetophenone	2.1430000	2.1346567	2.1346567	0.01	0.39	20.00	AVRG	
1,4-Dioxane	0.4790000	0.5028645	0.5028645	0.01	-4.98	20.00	AVRG	
N,N-Dimethylaniline	2.0300000	1.8250429	1.8250429	0.01	10.10	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1580000	0.1729643	0.1729643	0.01	-9.47	20.00	AVRG	
Benzaldehyde	0.8320000	0.7397270	0.7397270		11.09	20.00	AVRG	
Caprolactam	0.1660000	0.1608113	0.1608113		3.12	20.00	AVRG	
Atrazine	49.765961	50.000000	0.1658339		0.47		LINR	
n-decane	0.9700000	0.9529658	0.9529658		1.76	20.00	AVRG	
Coumarin	0.3380000	0.3102682	0.3102682		8.20	20.00	AVRG	
n-Octadecane	0.4440000	0.4267687	0.4267687		3.88	20.00	AVRG	
o-Tricresylphosphate	0.3190000	0.3098173	0.3098173		2.88	20.00	AVRG	

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: X924

Instrument ID: BNAMS1 Calibration Date: 10/20/06 Time: 0942

Lab File ID: R30883 Init. Calib. Date(s): 10/05/06 10/05/06

Init. Calib. Times: 1221 1531

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.6380000	0.6578353	0.6578353		-3.11	20.00	AVRG
1-Methylnaphthalene	0.6540000	0.6092964	0.6092964		6.84	20.00	AVRG
2-Fluorophenol (SUR)	1.4980000	1.5100819	1.5100819		-0.81	20.00	AVRG
Phenol-d5 (SUR)	1.8620000	2.0353306	2.0353306		-9.31	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.2200000	0.2027653	0.2027653		7.83	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4100000	0.4131639	0.4131639		-0.77	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.1920000	1.1144643	1.1144643		6.50	20.00	AVRG
Terphenyl-d14 (SUR)	0.8790000	0.9023836	0.9023836		-2.66	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 4.759920597
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: SOIL Level: LOW Lab Job No: X924

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SB278	79	82	70	89	84	90	0
02	775282	72	74	79	77	79	96	0
03	775282MS	84	88	73	79	76	86	0
04	775282MSD	77	82	80	82	85	98	0
05	775286	76	77	48	72	75	80	0
06	775279	78	81	80	77	83	92	0
07	775283	74	79	81	78	82	93	0
08	775273	67	74	77	72	81	94	0
09	775285	70	72	75	72	73	88	0
10	775270	70	75	65	79	79	83	0
11	775269	97	105	82	95	105	126	0
12	775267	75	78	53	80	91	139	0
13	775295	87	92	77	77	81	90	0
14	775292	85	86	69	88	84	89	0
15	775291	79	82	74	81	84	95	0
16	775294	88	87	82	86	87	93	0
17	775281	0D	0D	0D	0D	0D	0D	0
18	775288R1	69	74	66	74	82	152*	1
19	775267R1	74	80	60	76	87	170D	0
20	775268R1	76	78	61	72	82	153*	1
21	775269R1	101	103	76	94	108	209D	0
22	775278R1	79	82	22	68	82	170*	1
23	775272	0D	0D	0D	0D	0D	0D	0
24	775289	79	87	71	84	89	92	0
25	775288	72	73	69	70	83	120	0
26	775268	71	75	63	75	78	121	0
27	775278	79	80	18	69	86	118	0
28	775289R1	75	79	69	84	94	109	0
29	SB291	79	85	65	79	80	87	0
30	775284	77	79	70	68	69	89	0

		QC LIMITS
S1	= 2-Fluorophenol	(38-135)
S2	= Phenol-d5	(40-137)
S3	= 2,4,6-Tribromophenol	(12-151)
S4	= Nitrobenzene-d5	(51-122)
S5	= 2-Fluorobiphenyl	(60-123)
S6	= Terphenyl-d14	(48-142)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: SOIL Level: LOW Lab Job No: X924

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	775284MS	76	81	76	78	73	90	0
02	775284MSD	85	86	80	81	83	87	0
03	775271	81	81	73	71	72	89	0
04	775274	83	98	79	86	88	117	0
05	775280	84	90	57	82	80	87	0
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		QC LIMITS
S1	= 2-Fluorophenol	(38-135)
S2	= Phenol-d5	(40-137)
S3	= 2,4,6-Tribromophenol	(12-151)
S4	= Nitrobenzene-d5	(51-122)
S5	= 2-Fluorobiphenyl	(60-123)
S6	= Terphenyl-d14	(48-142)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8270C

Matrix: SOIL

Matrix Spike - Lab Sample No.: 775282

Level: LOW

MS Sample from Lab Job No: X924

QA Batch: 4670

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	7900	0.00	6400	81	50-131
2-Chlorophenol	7900	0.00	6900	87	57-126
4-Chloro-3-methylphenol	7900	0.00	6400	81	68-130
4-Nitrophenol	7900	0.00	6900	87	48-137
Pentachlorophenol	7900	0.00	4600	58	0-147
1,4-Dichlorobenzene	4000	0.00	2900	72	50-100
N-Nitroso-di-n-propylami	4000	0.00	3100	78	60-115
1,2,4-Trichlorobenzene	4000	0.00	3000	75	60-112
Acenaphthene	4000	11	3200	80	66-114
2,4-Dinitrotoluene	4000	0.00	3200	80	64-121
Di-n-butylphthalate	4000	0.00	3200	80	47-129

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	7900	6200	78	3	40	50-131
2-Chlorophenol	7900	6400	81	8	40	57-126
4-Chloro-3-methylphenol	7900	6700	85	5	40	68-130
4-Nitrophenol	7900	7100	90	3	40	48-137
Pentachlorophenol	7900	2600	33	56*	40	0-147
1,4-Dichlorobenzene	4000	2800	70	4	40	50-100
N-Nitroso-di-n-propylami	4000	3200	80	3	40	60-115
1,2,4-Trichlorobenzene	4000	3100	78	3	40	60-112
Acenaphthene	4000	3300	82	3	40	66-114
2,4-Dinitrotoluene	4000	3200	80	0	40	64-121
Pyrene	4000	3800	90	0	40	38-179

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 1 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8270C

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 775284

MS Sample from Lab Job No: X924

QA Batch: 4704

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	7900	0.00	6000	76	50-131
2-Chlorophenol	7900	0.00	6200	78	57-126
4-Chloro-3-methylphenol	7900	0.00	6300	80	68-130
4-Nitrophenol	7900	0.00	3500	44*	48-137
Pentachlorophenol	7900	0.00	1100	14	0-147
1,4-Dichlorobenzene	3900	0.00	1900	49*	50-100
1,2,4-Trichlorobenzene	3900	0.00	2400	62	60-112
Acenaphthene	3900	0.00	2900	74	66-114
2,4-Dinitrotoluene	3900	0.00	3300	85	64-121
Pyrene	3900	0.00	3400	87	38-179

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	7900	6200	78	3	40	50-131
2-Chlorophenol	7900	6700	85	8	40	57-126
4-Chloro-3-methylphenol	7900	6200	78	2	40	68-130
4-Nitrophenol	7900	3200	41*	9	40	48-137
Pentachlorophenol	7900	890	11	21	40	0-147
1,4-Dichlorobenzene	3900	2300	59	19	40	50-100
N-Nitroso-di-n-propylami	3900	3200	82	10	40	60-115
1,2,4-Trichlorobenzene	3900	2700	69	12	40	60-112
Acenaphthene	3900	3200	82	10	40	66-114
2,4-Dinitrotoluene	3900	3300	85	0	40	64-121
Pyrene	3900	3200	82	6	40	38-179

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30686 Date Analyzed: 10/06/06

Instrument ID: BNAMS1 Time Analyzed: 0938

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (CRY) AREA	#	RT	#
	12 HOUR STD	241049		7.50		961059		9.29		912315		18.14	
	UPPER LIMIT	482098		8.00		1922118		9.79		1824630		18.64	
	LOWER LIMIT	120524		7.00		480530		8.79		456158		17.64	
	LABORATORY SAMPLE NO.												
01	SB278	256282		7.51		989060		9.30		1120980		18.13	
02	775282	300888		7.51		1148244		9.30		1008096		18.14	
03	775282MS	265230		7.51		1092362		9.31		989155		18.15	
04	775282MSD	262702		7.51		996630		9.31		926509		18.14	
05	775286	289496		7.51		1238902		9.31		1289130		18.13	
06	775279	282720		7.51		1099088		9.31		1037805		18.14	
07	775283	290856		7.51		1151445		9.31		1056447		18.14	
08	775273	328633		7.51		1310390		9.30		970748		18.15	
09	775285	319398		7.51		1227893		9.30		1128228		18.14	
10	775270	310694		7.51		1190082		9.30		969829		18.15	
11	775269	305543		7.50		1196422		9.30		763983		18.13	
12	775267	298679		7.51		1130872		9.30		418626	*	18.14	
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30686 Date Analyzed: 10/06/06

Instrument ID: BNAMS1 Time Analyzed: 0938

		IS4(ANT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	649390		11.86		990810		14.01		826260		21.84	
	UPPER LIMIT	1298780		12.36		1981620		14.51		1652520		22.34	
	LOWER LIMIT	324695		11.36		495405		13.51		413130		21.34	
	LABORATORY SAMPLE NO.												
01	SB278	692031		11.86		1110828		14.01		939339		21.84	
02	775282	744894		11.87		1139709		14.01		843583		21.87	
03	775282MS	717324		11.88		1091474		14.02		770745		21.87	
04	775282MSD	677127		11.87		1076449		14.02		754696		21.87	
05	775286	819529		11.87		1322978		14.02		1065447		21.85	
06	775279	733403		11.87		1212978		14.01		745954		21.85	
07	775283	763499		11.87		1118746		14.01		720095		21.85	
08	775273	845291		11.87		1177470		14.02		508546		21.86	
09	775285	846038		11.87		1260765		14.02		566581		21.85	
10	775270	792847		11.87		1116164		14.01		456512		21.86	
11	775269	769617		11.87		1218725		14.01		304693	*	21.83	
12	775267	707803		11.87		1022639		14.01		119288	*	21.83	
13													
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21													
22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30706 Date Analyzed: 10/08/06

Instrument ID: BNAMS1 Time Analyzed: 0821

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	239570	7.48	991884	9.27	902457	18.11
	UPPER LIMIT	479140	7.98	1983768	9.77	1804914	18.61
	LOWER LIMIT	119785	6.98	495942	8.77	451228	17.61
	LABORATORY SAMPLE NO.						
01	775295	237793	7.48	1052974	9.27	1215973	18.10
02	775292	233844	7.48	946401	9.27	1184183	18.10
03	775291	262029	7.47	1060345	9.27	1077671	18.10
04	775294	248038	7.48	1033736	9.27	1030781	18.10
05	775281	240087	7.48	1012211	9.27	1050464	18.11
06	775288R1	365146	7.48	1372574	9.28	592940	18.10
07	775267R1	327251	7.49	1249464	9.28	357663*	18.10
08	775268R1	341744	7.49	1437327	9.28	516535	18.10
09	775269R1	340220	7.48	1339606	9.28	468439	18.10
10	775278R1	310918	7.49	1207744	9.28	521538	18.10
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30706 Date Analyzed: 10/08/06

Instrument ID: BNAMS1 Time Analyzed: 0821

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	684253	11.83	1048612	13.98	856846	21.80
	UPPER LIMIT	1368506	12.33	2097224	14.48	1713692	22.30
	LOWER LIMIT	342126	11.33	524306	13.48	428423	21.30
	LABORATORY SAMPLE NO.						
01	775295	719194	11.83	1231376	13.98	1071383	21.79
02	775292	698549	11.84	1159122	13.98	1075045	21.79
03	775291	711456	11.83	1100128	13.98	903163	21.80
04	775294	710956	11.83	1111675	13.98	908904	21.80
05	775281	728699	11.84	1087947	13.99	773178	21.81
06	775288R1	939971	11.84	1352885	13.99	151950*	21.79
07	775267R1	817293	11.84	1115074	13.99	90841*	21.78
08	775268R1	972886	11.84	1347888	13.99	116560*	21.78
09	775269R1	897241	11.84	1342808	13.99	108391*	21.78
10	775278R1	819010	11.84	1286927	13.99	134448*	21.77
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IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30723 Date Analyzed: 10/09/06

Instrument ID: BNAMS1 Time Analyzed: 1028

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	259697	7.47	1051476	9.26	1045538	18.07
	UPPER LIMIT	519394	7.97	2102952	9.76	2091076	18.57
	LOWER LIMIT	129848	6.97	525738	8.76	522769	17.57
	LABORATORY SAMPLE NO.						
01	775272	244084	7.46	975742	9.26	1066951	18.06
02	775289	284751	7.47	1156866	9.26	927298	18.07
03	775288	356302	7.47	1402901	9.26	816822	18.08
04	775268	330736	7.47	1324012	9.26	742995	18.07
05	775278	299509	7.47	1087650	9.26	839527	18.07
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30723 Date Analyzed: 10/09/06

Instrument ID: BNAMS1 Time Analyzed: 1028

		IS4 (ANT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	726357		11.82		1061613		13.97		938388		21.74	
	UPPER LIMIT	1452714		12.32		2123226		14.47		1876776		22.24	
	LOWER LIMIT	363178		11.32		530806		13.47		469194		21.24	
	LABORATORY SAMPLE NO.												
01	775272	669662		11.82		1153825		13.96		1031059		21.73	
02	775289	733494		11.82		1044295		13.96		394133	*	21.74	
03	775288	937680		11.82		1330398		13.97		265148	*	21.73	
04	775268	923816		11.82		1330302		13.97		257492	*	21.73	
05	775278	722505		11.82		1236960		13.97		308484	*	21.72	
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19													
20													
21													
22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30736 Date Analyzed: 10/10/06

Instrument ID: BNAMS1 Time Analyzed: 0948

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	323862	7.43	1233177	9.22	1041142	18.02
	UPPER LIMIT	647724	7.93	2466354	9.72	2082284	18.52
	LOWER LIMIT	161931	6.93	616588	8.72	520571	17.52
	LABORATORY SAMPLE NO.						
01	775289R1	402768	7.43	1492124	9.22	916278	18.02
02							
03							
04							
05							
06							
07							
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16							
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20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30736 Date Analyzed: 10/10/06

Instrument ID: BNAMS1 Time Analyzed: 0948

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	782702	11.78	1144989	13.93	943912	21.66
	UPPER LIMIT	1565404	12.28	2289978	14.43	1887824	22.16
	LOWER LIMIT	391351	11.28	572494	13.43	471956	21.16
	LABORATORY SAMPLE NO.						
01	775289R1	859758	11.78	1217210	13.93	361825*	21.65
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
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15							
16							
17							
18							
19							
20							
21							
22							

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30864 Date Analyzed: 10/19/06

Instrument ID: BNAMS1 Time Analyzed: 0945

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	305305	7.35	1200951	9.14	1145832	17.90
	UPPER LIMIT	610610	7.85	2401902	9.64	2291664	18.40
	LOWER LIMIT	152652	6.85	600476	8.64	572916	17.40
	LABORATORY SAMPLE NO.						
01	SB291	292323	7.35	1171913	9.13	1488105	17.89
02	775284	311151	7.35	1222180	9.14	1427492	17.89
03	775284MS	316042	7.35	1186098	9.15	1284452	17.90
04	775284MSD	308261	7.36	1229164	9.14	1336065	17.91
05							
06							
07							
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14							
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16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30864 Date Analyzed: 10/19/06

Instrument ID: BNAMS1 Time Analyzed: 0945

		IS4 (ANT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	772758		11.70		1243467		13.84		1014652		21.47	
	UPPER LIMIT	1545516		12.20		2486934		14.34		2029304		21.97	
	LOWER LIMIT	386379		11.20		621734		13.34		507326		20.97	
	LABORATORY SAMPLE NO.												
01	SB291	827069		11.70		1387973		13.84		1350955		21.46	
02	775284	860384		11.70		1343602		13.83		1331083		21.46	
03	775284MS	847717		11.70		1340527		13.84		1183333		21.48	
04	775284MSD	819592		11.70		1401209		13.84		1199986		21.48	
05													
06													
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21													
22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30883 Date Analyzed: 10/20/06

Instrument ID: BNAMS1 Time Analyzed: 0942

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (CRY) AREA	#	RT	#
	12 HOUR STD	308503		7.35		1236172		9.13		1082767		17.89	
	UPPER LIMIT	617006		7.85		2472344		9.63		2165534		18.39	
	LOWER LIMIT	154252		6.85		618086		8.63		541384		17.39	
	LABORATORY SAMPLE NO.												
01	775271	339164		7.35		1337906		9.13		1450516		17.88	
02	775274	294457		7.34		1098904		9.13		1109219		17.88	
03	775280	312935		7.34		1251318		9.13		1317486		17.87	
04													
05													
06													
07													
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19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): R30883 Date Analyzed: 10/20/06

Instrument ID: BNAMS1 Time Analyzed: 0942

		IS4(ANT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	791169		11.69		1189658		13.83		985641		21.44	
	UPPER LIMIT	1582338		12.19		2379316		14.33		1971282		21.94	
	LOWER LIMIT	395584		11.19		594829		13.33		492820		20.94	
	LABORATORY SAMPLE NO.												
01	775271	929359		11.68		1511270		13.82		1288967		21.43	
02	775274	790147		11.69		1275852		13.82		1086316		21.43	
03	775280	882751		11.68		1390106		13.83		1140940		21.43	
04													
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22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

GC Forms and Data

Method 8082 (PCBs) Results Summary

Client ID: **B1407-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775272**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053524.d
Rear File ID: qr053524.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	73	R
Aroclor-1221	ND	73	R
Aroclor-1232	ND	73	R
Aroclor-1242	ND	73	R
Aroclor-1248	960	73	F
Aroclor-1254	500	73	F
Aroclor-1260	ND	73	R
Aroclor-1262	ND	73	R
Aroclor-1268	ND	73	R

Client ID: **B1407-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775273**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053552.d
Rear File ID: qr053552.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 15

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	78	R
Aroclor-1221	ND	78	R
Aroclor-1232	ND	78	R
Aroclor-1242	ND	78	R
Aroclor-1248	ND	78	R
Aroclor-1254	ND	78	R
Aroclor-1260	ND	78	R
Aroclor-1262	ND	78	R
Aroclor-1268	ND	78	R

Client ID: **B1410-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775278**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412818.d
Rear File ID: vr412818.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 2.0
% Moisture: 14

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	150	R
Aroclor-1221	ND	150	R
Aroclor-1232	ND	150	R
Aroclor-1242	ND	150	R
Aroclor-1248	2900	150	F
Aroclor-1254	1300	150	F
Aroclor-1260	ND	150	R
Aroclor-1262	ND	150	R
Aroclor-1268	ND	150	R

Client ID: **B1410-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775279**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053554.d
Rear File ID: qr053554.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 15

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	79	R
Aroclor-1221	ND	79	R
Aroclor-1232	ND	79	R
Aroclor-1242	ND	79	R
Aroclor-1248	ND	79	R
Aroclor-1254	ND	79	R
Aroclor-1260	ND	79	R
Aroclor-1262	ND	79	R
Aroclor-1268	ND	79	R

Client ID: **B1408-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775281**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412819.d
Rear File ID: vr412819.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 16

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	400	R
Aroclor-1221	ND	400	R
Aroclor-1232	ND	400	R
Aroclor-1242	ND	400	R
Aroclor-1248	6600	400	R
Aroclor-1254	3300	400	F
Aroclor-1260	ND	400	R
Aroclor-1262	ND	400	R
Aroclor-1268	ND	400	R

Client ID: **B1408-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775282**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412811.d
Rear File ID: vr412811.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 16

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	80	R
Aroclor-1221	ND	80	R
Aroclor-1232	ND	80	R
Aroclor-1242	ND	80	R
Aroclor-1248	160	80	F
Aroclor-1254	ND	80	R
Aroclor-1260	ND	80	R
Aroclor-1262	ND	80	R
Aroclor-1268	ND	80	R

Client ID: **B1408-SS02D**
Site: Sun Chemical SI

Lab Sample ID: **775283**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412812.d
Rear File ID: vr412812.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	80	R
Aroclor-1221	ND	80	R
Aroclor-1232	ND	80	R
Aroclor-1242	ND	80	R
Aroclor-1248	ND	80	R
Aroclor-1254	ND	80	R
Aroclor-1260	ND	80	R
Aroclor-1262	ND	80	R
Aroclor-1268	ND	80	R

Client ID: **B1405-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775285**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053558.d
Rear File ID: qr053558.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 10

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	74	R
Aroclor-1221	ND	74	R
Aroclor-1232	ND	74	R
Aroclor-1242	ND	74	R
Aroclor-1248	ND	74	R
Aroclor-1254	ND	74	R
Aroclor-1260	ND	74	R
Aroclor-1262	ND	74	R
Aroclor-1268	ND	74	R

Client ID: **B1405-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775286**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053559.d
Rear File ID: qr053559.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 9

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	74	R
Aroclor-1221	ND	74	R
Aroclor-1232	ND	74	R
Aroclor-1242	ND	74	R
Aroclor-1248	ND	74	R
Aroclor-1254	ND	74	R
Aroclor-1260	ND	74	R
Aroclor-1262	ND	74	R
Aroclor-1268	ND	74	R

Client ID: **B1406-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775288**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053560.d
Rear File ID: qr053560.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 12

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	76	R
Aroclor-1221	ND	76	R
Aroclor-1232	ND	76	R
Aroclor-1242	ND	76	R
Aroclor-1248	200	76	R
Aroclor-1254	280	76	R
Aroclor-1260	ND	76	R
Aroclor-1262	ND	76	R
Aroclor-1268	ND	76	R

Client ID: **B1406-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775289**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412820.d
Rear File ID: vr412820.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	400	R
Aroclor-1221	ND	400	R
Aroclor-1232	ND	400	R
Aroclor-1242	ND	400	R
Aroclor-1248	7000	400	R
Aroclor-1254	3600	400	F
Aroclor-1260	ND	400	R
Aroclor-1262	ND	400	R
Aroclor-1268	ND	400	R

Client ID: **B1406-SS03**
Site: Sun Chemical SI

Lab Sample ID: **775290**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/18/06
Date Analyzed: 10/18/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf413050.d
Rear File ID: vr413050.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 18

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	82	R
Aroclor-1221	ND	82	R
Aroclor-1232	ND	82	R
Aroclor-1242	ND	82	R
Aroclor-1248	130	82	R
Aroclor-1254	ND	82	R
Aroclor-1260	ND	82	R
Aroclor-1262	ND	82	R
Aroclor-1268	ND	82	R

Client ID: **B1411-SS01**
Site: Sun Chemical SI

Lab Sample ID: **775291**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053562.d
Rear File ID: qr053562.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 9

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	74	R
Aroclor-1221	ND	74	R
Aroclor-1232	ND	74	R
Aroclor-1242	ND	74	R
Aroclor-1248	ND	74	R
Aroclor-1254	ND	74	R
Aroclor-1260	ND	74	R
Aroclor-1262	ND	74	R
Aroclor-1268	ND	74	R

Client ID: **B1411-SS02**
Site: Sun Chemical SI

Lab Sample ID: **775292**
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053563.d
Rear File ID: qr053563.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 13

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	77	R
Aroclor-1221	ND	77	R
Aroclor-1232	ND	77	R
Aroclor-1242	ND	77	R
Aroclor-1248	ND	77	R
Aroclor-1254	ND	77	R
Aroclor-1260	ND	77	R
Aroclor-1262	ND	77	R
Aroclor-1268	ND	77	R

QA Summary

GC ORGANICS SURROGATE RECOVERY

Matrix: SOIL Level: LOW Lab Job No: X924

	LABORATORY SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TOT OUT
01	SP278C	116	120	0
02	4462BS	134		0
03	775272	190*	234*	2
04	775272MS	188*		1
05	775272MSD	196*		1
06	775273	100		0
07	775279	108		0
08	775285	90		0
09	775286	105		0
10	775288	158	185*	1
11	775291	98		0
12	775292	100		0
13	SP282R	123	122	0
14	SP282Rbs	126		0
15	775282	164*	224*	2
16	775283	108		0
17	775278	577*	814*	2
18	775281	3462*	4885*	2
19	775289	1023*	1316*	2
20	SP291B	117	100	0
21	SP291Bbs	121		0
22	775290	100	94	0
23	775282RE	240*	298*	2
24	775278RE	247*	283*	2
25	775281RE	2835*	3282*	2
26	775289RE	786*	1018*	2
27				
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30				

		ADVISORY QC LIMITS
S1	= Decachlorobiphenyl(sur	(50-159)

Column to be used to flag recovery values
* Values outside of advisory QC limits
D Surrogate diluted out
R Surrogate removed during H2SO4 cleanup procedure
** Not detected due to coeluting interference

GC BLANK SPIKE RECOVERY
METHOD 8082

QA Batch: 4462

Compound	SPIKE ADDED (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC.	QC. LIMITS REC.
Aroclor-1016	330	430	130	58-158
Aroclor-1260	330	440	133	66-150

Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 2 outside limits

GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8082

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 775272

MS Sample from Lab Job No: X924

QA Batch: 4462

Compound	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	360	940**	1200	72	58-158
Aroclor-1260	360	0.00	440	122	66-150

Compound	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	360	1200	72	0	17	58-158
Aroclor-1260	360	480	133	9	17	66-150

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
** Non-target coeluting interference.
RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

GC BLANK SPIKE RECOVERY
METHOD 8082

QA Batch: SP282Rbs

Compound	SPIKE ADDED (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC.	QC. LIMITS REC.
Aroclor-1016	330	410	124	58-158
Aroclor-1260	330	420	127	66-150

Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 2 outside limits

GC BLANK SPIKE RECOVERY
METHOD 8082

QA Batch: 4492

Compound	SPIKE ADDED (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC.	QC. LIMITS REC.
Aroclor-1016	330	400	121	58-158
Aroclor-1260	330	380	115	66-150

Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 2 outside limits

GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8082

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 777647

MS Sample from Lab Job No: Y357

QA Batch: 4492

Compound	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	380	0.00	460	121	58-158
Aroclor-1260	380	600	870	71	66-150

Compound	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	380	480	126	4	17	58-158
Aroclor-1260	380	930	87	20*	17	66-150

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 1 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

GC BLANK SPIKE RECOVERY
METHOD 8082

QA Batch: SP291Bbs

Compound	SPIKE ADDED (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC.	QC. LIMITS REC.
Aroclor-1016	330	380	115	58-158
Aroclor-1260	330	370	112	66-150

Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 2 outside limits

GC ORGANICS METHOD BLANK SUMMARY

LAB SAMPLE NO.

SP278C

Matrix: SOIL

Level: LOW

Instrument ID: PESTGC8

Date Analyzed: 10/06/06

Time Analyzed: 0110

Lab File ID: QR053522

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	4462BS	4462BS	qr053523.d	10/06/06
02	B1407-SS01	775272	qr053524.d	10/06/06
03	B1407-SS01MS	775272MS	qr053525.d	10/06/06
04	B1407-SS01MS	775272MSD	qr053526.d	10/06/06
05	B1407-SS02	775273	qr053552.d	10/06/06
06	B1410-SS02	775279	qr053554.d	10/06/06
07	B1405-SS01	775285	qr053558.d	10/06/06
08	B1405-SS02	775286	qr053559.d	10/06/06
09	B1406-SS01	775288	qr053560.d	10/06/06
10	B1411-SS01	775291	qr053562.d	10/06/06
11	B1411-SS02	775292	qr053563.d	10/06/06
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COMMENTS:

Client ID: **SP278C**
Site:

Lab Sample ID: **SP278C**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/05/06
Date Analyzed: 10/06/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf053522.d
Rear File ID: qr053522.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

GC ORGANICS METHOD BLANK SUMMARY

LAB SAMPLE NO.

SP282R

Matrix: SOIL

Level: LOW

Instrument ID: PESTGC9

Date Analyzed: 10/10/06

Time Analyzed: 0432

Lab File ID: VR412807

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SP282Rbs	SP282Rbs	vr412808.d	10/10/06
02	B1408-SS02	775282	vr412811.d	10/10/06
03	B1408-SS02D	775283	vr412812.d	10/10/06
04	B1410-SS01	775278	vr412818.d	10/10/06
05	B1408-SS01	775281	vr412819.d	10/10/06
06	B1406-SS02	775289	vr412820.d	10/10/06
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COMMENTS:

Client ID: **SP282R**
Site:

Lab Sample ID: **SP282R**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/09/06
Date Analyzed: 10/10/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf412807.d
Rear File ID: vr412807.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

GC ORGANICS METHOD BLANK SUMMARY

LAB SAMPLE NO.

SP291B

Matrix: SOIL

Level: LOW

Instrument ID: PESTGC9

Date Analyzed: 10/18/06

Time Analyzed: 2200

Lab File ID: VR413048

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SP291Bbs	SP291Bbs	vr413049.d	10/18/06
02	B1406-SS03	775290	vr413050.d	10/18/06
03				
04				
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COMMENTS:

Client ID: **SP291B**
Site:

Lab Sample ID: **SP291B**
Lab Job No: X924

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/18/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i
Front File ID: vf413048.d
Rear File ID: vr413048.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b, as of 10/27/2006 10:07)

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 10/06/06 to 10/06/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.356

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP278C	qr053522.d	06-OCT-2006 01:10	10.354	0.002
4462BS	qr053523.d	06-OCT-2006 01:25	10.354	0.002
775272	qr053524.d	06-OCT-2006 01:39	10.360	0.004
775272MS	qr053525.d	06-OCT-2006 01:54	10.362	0.006
775272MSD	qr053526.d	06-OCT-2006 02:10	10.364	0.008

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06d.b, as of 10/27/2006 10:07)

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Dates of Analysis: 10/06/06 to 10/06/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.311

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP278C	qf053522.d	06-OCT-2006 01:10	11.290	0.021
775272	qf053524.d	06-OCT-2006 01:39	11.293	0.018

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b, as of 10/27/2006 10:07)

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 10/06/06 to 10/06/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.358

Lab Sample ID	Data File	Injection Time	RT	DLT RT
775273	qr053552.d	06-OCT-2006 13:04	10.361	0.003
775279	qr053554.d	06-OCT-2006 13:34	10.356	0.002
775285	qr053558.d	06-OCT-2006 14:35	10.361	0.003
775286	qr053559.d	06-OCT-2006 14:52	10.358	0.000
775288	qr053560.d	06-OCT-2006 15:07	10.358	0.000
775291	qr053562.d	06-OCT-2006 15:36	10.358	0.000
775292	qr053563.d	06-OCT-2006 15:51	10.357	0.001

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06a.b,
as of 10/27/2006 10:07)

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Dates of Analysis: 10/06/06 to 10/06/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.330

Lab Sample ID	Data File	Injection Time	RT	DLT RT
775273	qf053552.d	06-OCT-2006 13:04	11.340	0.010
775279	qf053554.d	06-OCT-2006 13:34	11.313	0.017
775285	qf053558.d	06-OCT-2006 14:35	11.317	0.013
775286	qf053559.d	06-OCT-2006 14:52	11.309	0.021
775288	qf053560.d	06-OCT-2006 15:07	11.309	0.021
775291	qf053562.d	06-OCT-2006 15:36	11.305	0.025
775292	qf053563.d	06-OCT-2006 15:51	11.310	0.020

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b, as of 10/27/2006 10:07)

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 10/10/06 to 10/10/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.645

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP282R	vr412807.d	10-OCT-2006 04:32	10.648	0.003
SP282Rbs	vr412808.d	10-OCT-2006 04:48	10.645	0.000
775282	vr412811.d	10-OCT-2006 05:35	10.644	0.001
775283	vr412812.d	10-OCT-2006 05:50	10.644	0.001
775278	vr412818.d	10-OCT-2006 07:24	10.643	0.002
775281	vr412819.d	10-OCT-2006 07:39	10.644	0.001
775289	vr412820.d	10-OCT-2006 07:55	10.643	0.002

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b, as of 10/27/2006 10:07)

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Dates of Analysis: 10/10/06 to 10/10/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.424

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP282R	vf412807.d	10-OCT-2006 04:32	11.432	0.008
775282	vf412811.d	10-OCT-2006 05:35	11.427	0.003
775283	vf412812.d	10-OCT-2006 05:50	11.429	0.005
775278	vf412818.d	10-OCT-2006 07:24	11.430	0.006
775281	vf412819.d	10-OCT-2006 07:39	11.429	0.005
775289	vf412820.d	10-OCT-2006 07:55	11.426	0.002

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06c.b, as of 10/27/2006 10:07)

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Dates of Analysis: 10/18/06 to 10/18/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.636

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP291B	vr413048.d	18-OCT-2006 22:00	10.639	0.003
SP291Bbs	vr413049.d	18-OCT-2006 22:16	10.635	0.001
775290	vr413050.d	18-OCT-2006 22:31	10.635	0.001

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06c.b, as of 10/27/2006 10:07)

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Dates of Analysis: 10/18/06 to 10/18/06

Retention Time Shift Marker - Decachlorobiphenyl(surr)
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.412

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP291B	vf413048.d	18-OCT-2006 22:00	11.418	0.006
775290	vf413050.d	18-OCT-2006 22:31	11.405	0.007

D = Surrogate diluted out.

Analytical Sequence

GC ORGANICS ANALYTICAL SEQUENCE SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

	Lab Sample ID	Client Sample ID	Lab File ID	Sample Type	Inj. Date	Inj. Time
1	1660-1000 a		qr053087.d	CALIB_3	09/22/06	0936
2	1660-100 a		qr053088.d	CALIB_1	09/22/06	0951
3	1660-500 a		qr053089.d	CALIB_2	09/22/06	1005
4	1660-1500 a		qr053090.d	CALIB_4	09/22/06	1021
5	1660-2500 a		qr053091.d	CALIB_5	09/22/06	1036
6	1221-1000 a		qr053092.d	CALIB_3	09/22/06	1051
7	1232-1000 a		qr053093.d	CALIB_3	09/22/06	1106
8	1242-1000 a		qr053094.d	CALIB_3	09/22/06	1121
9	1248-1000 a		qr053095.d	CALIB_3	09/22/06	1137
10	1254-1000 a		qr053096.d	CALIB_3	09/22/06	1152
11	1262-1000 a		qr053097.d	CALIB_3	09/22/06	1207
12	1268-1000 a		qr053098.d	CALIB_3	09/22/06	1222
13	1660-1000 D		qr053510.d	CCALIB_3	10/05/06	2050
14	SP278C		qr053522.d	BLANK	10/06/06	0110
15	4462BS		qr053523.d	BS	10/06/06	0125
16	775272	B1407-SS01	qr053524.d	SAMPLE	10/06/06	0139
17	775272MS	B1407-SS01MS	qr053525.d	MS	10/06/06	0154
18	775272MSD	B1407-SS01MSD	qr053526.d	MSD	10/06/06	0210
19	1660-1000 e		qr053528.d	CCALIB_3	10/06/06	0240
20	1660-1000a		qr053550.d	CCALIB_3	10/06/06	1159
21	775273	B1407-SS02	qr053552.d	SAMPLE	10/06/06	1304
22	775279	B1410-SS02	qr053554.d	SAMPLE	10/06/06	1334
23	775285	B1405-SS01	qr053558.d	SAMPLE	10/06/06	1435
24	775286	B1405-SS02	qr053559.d	SAMPLE	10/06/06	1452
25	775288	B1406-SS01	qr053560.d	SAMPLE	10/06/06	1507
26	775291	B1411-SS01	qr053562.d	SAMPLE	10/06/06	1536
27	775292	B1411-SS02	qr053563.d	SAMPLE	10/06/06	1551
28	1660-1000b		qr053569.d	CCALIB_3	10/06/06	1722

GC ORGANICS ANALYTICAL SEQUENCE SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

	Lab Sample ID	Client Sample ID	Lab File ID	Sample Type	Inj. Date	Inj. Time
1	1660-1000A		vr412586.d	CALIB_3	10/02/06	0446
2	1660-2500A		vr412587.d	CALIB_5	10/02/06	0501
3	1660-1500A		vr412588.d	CALIB_4	10/02/06	0517
4	1660-500A		vr412589.d	CALIB_2	10/02/06	0533
5	1660-100A		vr412590.d	CALIB_1	10/02/06	0548
6	1221-1000A		vr412591.d	CALIB_3	10/02/06	0606
7	1232-1000A		vr412592.d	CALIB_3	10/02/06	0621
8	1242-1000A		vr412593.d	CALIB_3	10/02/06	0637
9	1248-1000A		vr412594.d	CALIB_3	10/02/06	0652
10	1254-1000A		vr412595.d	CALIB_3	10/02/06	0708
11	1262-1000A		vr412596.d	CALIB_3	10/02/06	0724
12	1268-1000A		vr412597.d	CALIB_3	10/02/06	0739
13	1660-1000 E		vr412806.d	CCALIB_3	10/09/06	2202
14	SP282R		vr412807.d	BLANK	10/10/06	0432
15	SP282Rbs		vr412808.d	BS	10/10/06	0448
16	775282	B1408-SS02	vr412811.d	SAMPLE	10/10/06	0535
17	775283	B1408-SS02D	vr412812.d	SAMPLE	10/10/06	0550
18	775278	B1410-SS01	vr412818.d	SAMPLE	10/10/06	0724
19	775281	B1408-SS01	vr412819.d	SAMPLE	10/10/06	0739
20	775289	B1406-SS02	vr412820.d	SAMPLE	10/10/06	0755
21	1660-1000F		vr412822.d	CCALIB_3	10/10/06	0826

GC ORGANICS ANALYTICAL SEQUENCE SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

	Lab Sample ID	Client Sample ID	Lab File ID	Sample Type	Inj. Date	Inj. Time
1	1660-1000A		vr413023.d	CALIB_3	10/17/06	1419
2	1660-100A		vr413024.d	CALIB_1	10/17/06	1435
3	1660-500A		vr413025.d	CALIB_2	10/17/06	1450
4	1660-1500A		vr413026.d	CALIB_4	10/17/06	1506
5	1660-2500A		vr413027.d	CALIB_5	10/17/06	1521
6	1221-1000A		vr413028.d	CALIB_3	10/17/06	1537
7	1232-1000A		vr413029.d	CALIB_3	10/17/06	1553
8	1242-1000A		vr413030.d	CALIB_3	10/17/06	1608
9	1248-1000A		vr413031.d	CALIB_3	10/17/06	1624
10	1254-1000A		vr413032.d	CALIB_3	10/17/06	1639
11	1262-1000A		vr413033.d	CALIB_3	10/17/06	1655
12	1268-1000A		vr413034.d	CALIB_3	10/17/06	1710
13	1660-1000 C		vr413047.d	CCALIB_3	10/18/06	1849
14	SP291B		vr413048.d	BLANK	10/18/06	2200
15	SP291Bbs		vr413049.d	BS	10/18/06	2216
16	775290	B1406-SS03	vr413050.d	SAMPLE	10/18/06	2231
17	1660-1000 D		vr413058.d	CCALIB_3	10/19/06	0624

Raw Data

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

Calibration Files:

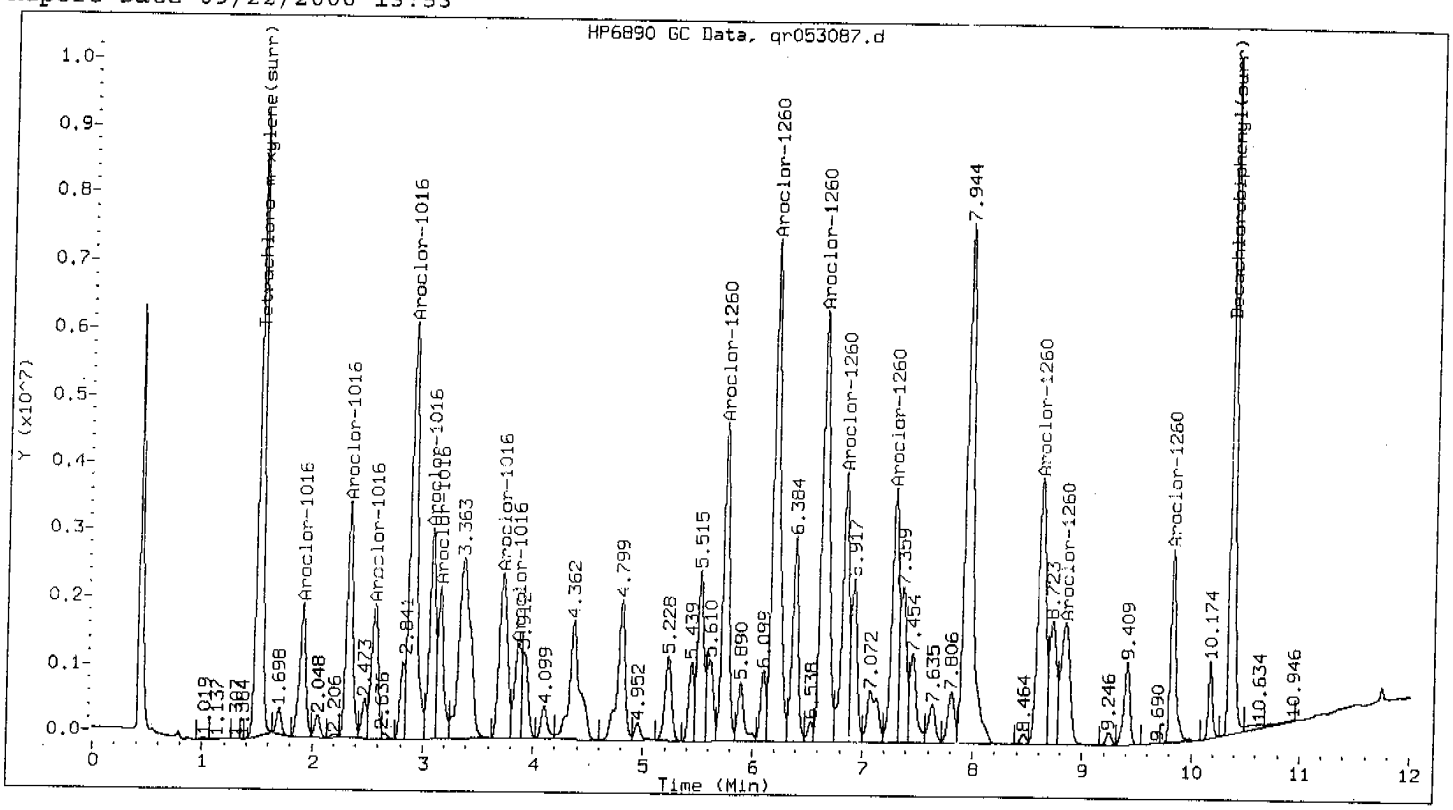
/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053088.d
/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053089.d
/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053087.d
/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053090.d
/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053091.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	Coefficients a1	Coefficients a2	%RSD or R^2	
Aroclor-1016	1	7613.22	8704.65	7912.68	6067.23	6504.56		7360.47		14.53885	
	2	16626.57	15217.71	13506.75	10571.66	10984.74		13381.49		19.61488	
	3	9869.98	9619.88	8618.27	6709.67	7108.56		8385.27		17.09636	
	4	--------	--------	--------	--------	--------					+
	5	--------	--------	--------	--------	--------					+
	6	7020.36	9427.88	8768.28	7335.60	6828.73		7876.17		14.64981	
	7	13970.44	13504.37	12671.10	10047.67	10593.66		12157.45		14.40126	
	8	5198.80	6023.79	5605.54	4563.71	4531.78		5184.72		12.54911	
Aroclor-1260	1	21472.64	20771.84	18887.65	15046.47	15565.60		18348.84		16.02212	
	2	41645.87	37019.63	34010.06	27078.97	28260.05		33602.92		18.07967	
	3	35371.59	33513.45	31544.30	25303.49	26869.11		30520.39		14.10121	
	4	18386.00	18177.87	16791.64	13567.60	14164.68		16217.56		13.82622	
	5	17255.80	17620.73	16339.04	13137.51	13879.98		15646.61		12.93427	
	6	21468.59	20799.16	19834.01	16024.13	17021.49		19029.48		12.54407	
	7	11411.34	10991.05	10855.06	8748.74	9609.49		10323.14		10.72290	
	8	9309.84	9934.04	9578.18	7614.17	8019.86		8891.22		11.42112	
Tetrachloro-m-xylene(surr)		341167.04	334509.34	310352.96	290458.34	279046.59		311106.86		8.66392	
Decachlorobiphenyl(surr)		310220.76	312372.46	286894.76	269255.31	254117.87		286572.23		8.85914	

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1660-1000 a
Lab ID : 1660-1000 a
Inj Date : 22-SEP-2006 09:36
Operator : 615
Cpnd Sublist: AR16600S

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

9/22/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	1.909	1.909	0.000	7912680	1075.024	1075.024
(2)		2.325	2.325	0.000	13506754	1009.361	1009.361
(3)		2.563	2.563	0.000	8618274	1027.787	1027.787
(4)		------	2.896	------	------	------	------ (*)
(5)		------	3.074	------	------	------	------ (*)
(6)		3.152	3.152	0.000	8768282	1113.267	1113.267
(7)		3.719	3.719	0.000	12671099	1042.250	1042.250
(8)		3.864	3.864	0.000	5605536	1081.164	1081.164
Average of peak concentrations:							1000.00
Aroclor-1260		5.740	5.740	0.000	18887652	1029.365	1029.365
(2)		6.189	6.189	0.000	34010061	1012.116	1012.116
(3)		6.635	6.635	0.000	31544298	1033.548	1033.548
(4)		6.837	6.837	0.000	16791637	1035.399	1035.399
(5)		7.286	7.286	0.000	16339041	1044.254	1044.254
(6)		8.615	8.615	0.000	19834014	1042.278	1042.278

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	8.841	8.841	0.000	10855060	1051.527	1051.527
(8)	9.821	9.821	0.000	9578180	1077.263	1077.263
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	1.509	1.509	0.000	31035296	99.758	99.758
Decachlorobiphenyl(surr)	10.358	10.358	0.000	28689476	100.113	100.113

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

Calibration Files:

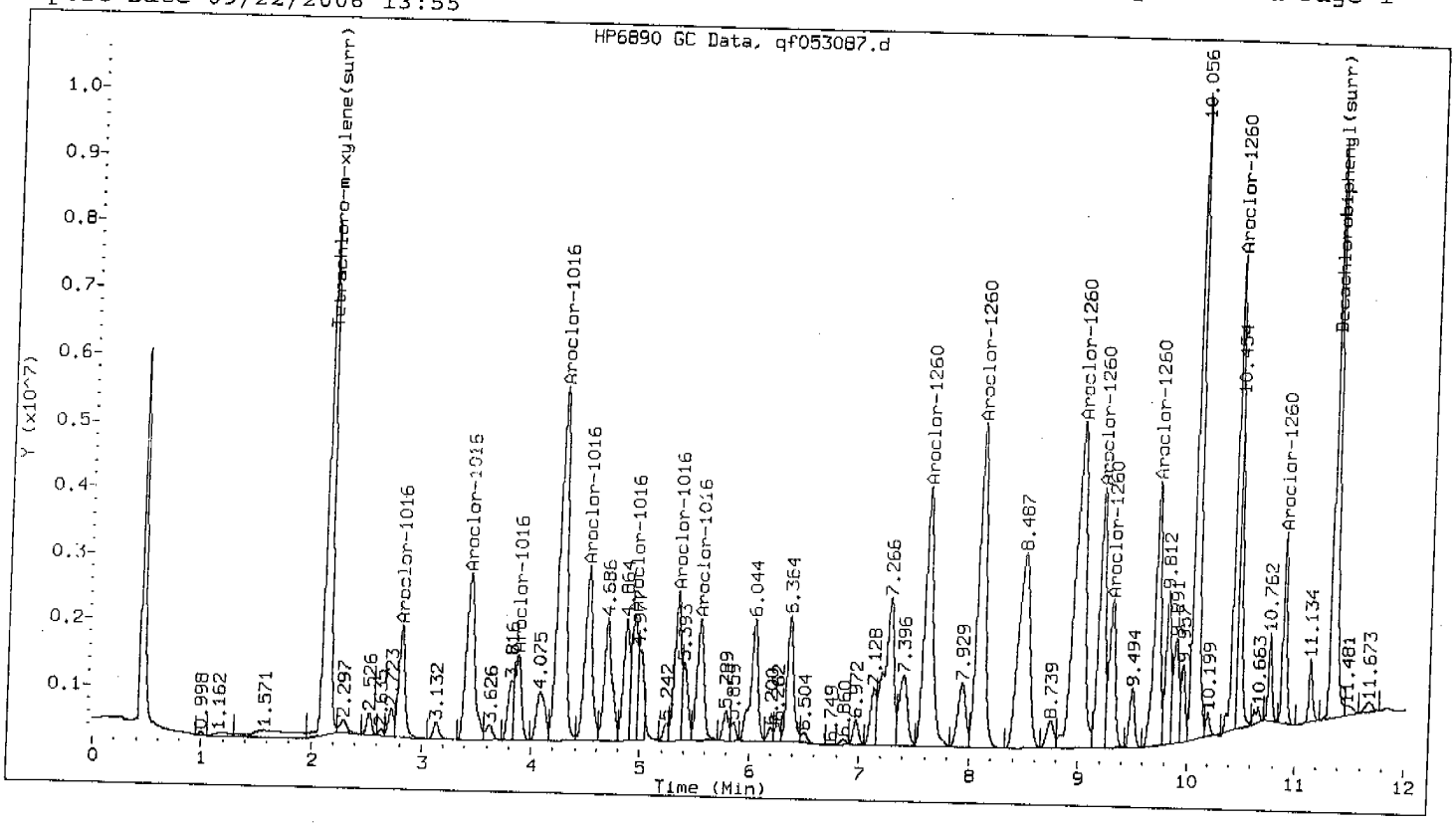
/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053088.d
/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053089.d
/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053087.d
/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053090.d
/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053091.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	a1	a2	%RSD or R^2
Aroclor-1016	1	8137.66	7105.84	6802.85	5086.61	5482.60		6523.11		19.04085
	2	14704.34	15532.66	13623.33	10514.33	11163.02		13107.54		16.71600
	3	6336.39	6192.15	5541.01	4391.98	4747.00		5441.71		15.80290
	4	32337.57	30464.77	27759.15	22069.75	22964.40		27119.13		16.65410
	5	14495.75	13143.47	12424.72	10065.84	10571.85		12140.33		15.07556
	6	9378.70	7722.27	7585.13	5710.35	6328.07		7344.91		19.30501
	7	10281.02	9584.34	8926.06	7460.97	7887.93		8828.06		13.21663
	8	8109.60	8662.78	8550.01	7123.86	7859.33		8061.12		7.65345
Aroclor-1260	1	25298.81	22524.83	20741.61	16934.77	17725.61		20645.13		16.68983
	2	30072.72	27113.31	24996.18	20220.68	21425.17		24765.61		16.34524
	3	32053.36	35111.55	33311.03	27147.85	29159.00		31356.56		10.20369
	4	16442.36	17736.99	16714.70	13568.63	14414.51		15775.44		10.93211
	5	7805.85	9267.37	9057.90	7441.79	8244.33		8363.45		9.40319
	6	15847.52	16045.56	15275.45	12424.76	13548.46		14628.35		10.77385
	7	20047.32	18664.55	17476.28	14999.10	16544.81		17546.41		11.03703
	8	6502.16	7320.02	7082.48	6050.27	6751.22		6741.23		7.36546
Tetrachloro-m-xylene(surr)		239385.48	260050.82	278336.11	255408.83	244340.33		255504.31		5.95630
Decachlorobiphenyl(surr)		243417.04	252594.08	242715.55	221510.88	214087.42		234864.99		6.92829

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1660-1000 a
Lab ID : 1660-1000 a
Inj Date : 22-SEP-2006 09:36
Operator : 615
Cpnd Sublist: AR16600S

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

9/21/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	2.808	2.808	0.000	6802848	1042.884	1042.884
(2)		3.426	3.426	0.000	13623327	1039.351	1039.351
(3)		3.872	3.872	0.000	5541013	1018.249	1018.249
(4)		4.254	4.254	0.000	27759152	1023.601	1023.601
(5)		4.504	4.504	0.000	12424721	1023.426	1023.426
(6)		4.935	4.935	0.000	7585133	1032.707	1032.707
(7)		5.329	5.329	0.000	8926056	1011.100	1011.100
(8)		5.539	5.539	0.000	8550006	1060.648	1060.648
Average of peak concentrations:						1000.00	
Aroclor-1260	(M)	7.603	7.603	0.000	20741609	1004.673	1004.673
(2)		8.083	8.083	0.000	24996177	1009.310	1009.310
(3)		8.994	8.994	0.000	33311025	1062.330	1062.330
(4)		9.194	9.194	0.000	16714704	1059.540	1059.540
(5)		9.299	9.299	0.000	9057897	1083.034	1083.034
(6)		9.706	9.706	0.000	15275446	1044.236	1044.236

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	10.433	10.433	0.000	17476284	996.003	996.003
(8)	10.885	10.885	0.000	7082483	1050.622	1050.622
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	2.128	2.128	0.000	27833611	108.936	108.936
Decachlorobiphenyl(surr)	11.327	11.327	0.000	24271555	103.343	103.343

COMMENTS:

M = Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

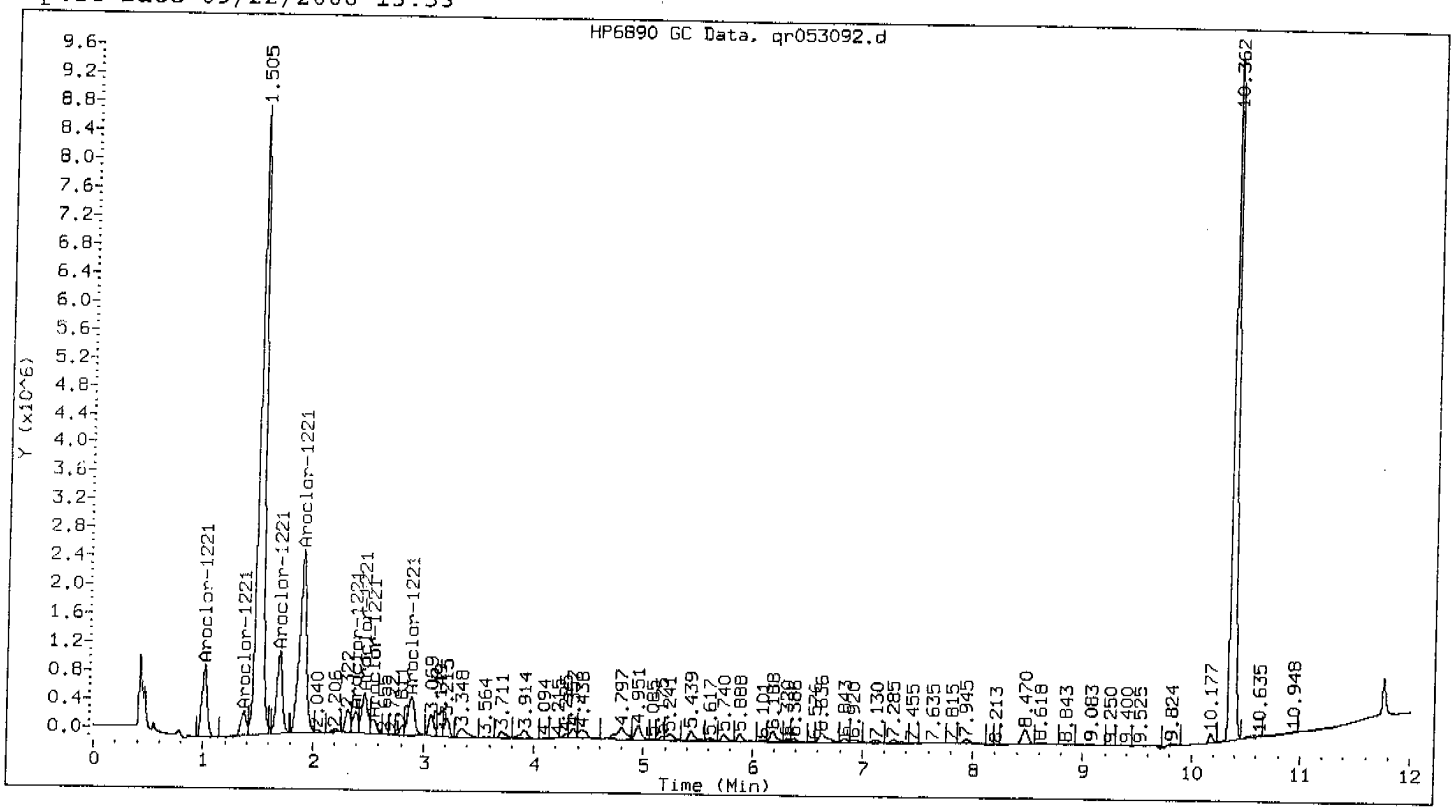
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053092.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	3313.07
2	1096.44
3	4062.06
4	11090.91
5	926.05
6	2073.62
7	722.95
8	2218.47

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1221-1000 a
Lab ID : 1221-1000 a
Inj Date : 22-SEP-2006 10:51
Operator : 615
Cpnd Sublist: AR12210

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1221	(M)	1.010	1.010	0.000	3313066	1000.000	1000.000
(2)		1.372	1.372	0.000	1096442	1000.000	1000.000
(3)		1.695	1.695	0.000	4062058	1000.000	1000.000
(4)		1.904	1.904	0.000	11090906	1000.000	1000.000
(5)		2.393	2.393	0.000	926055	1000.000	1000.000
(6)		2.472	2.472	0.000	2073624	1000.000	1000.000
(7)		2.555	2.555	0.000	722949	1000.000	1000.000
(8)		2.892	2.892	0.000	2218469	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

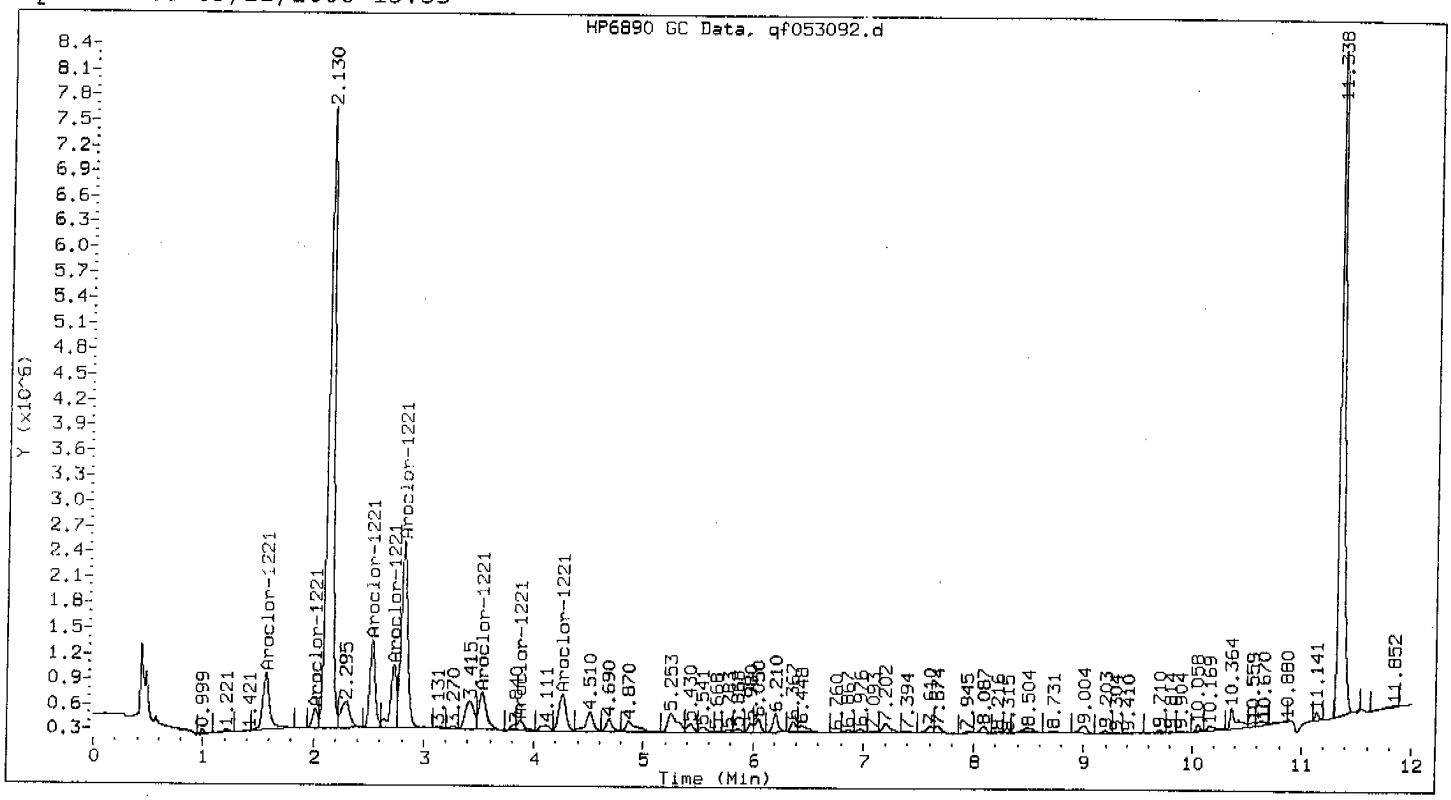
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053092.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2939.67
2	789.43
3	3672.93
4	2804.03
5	9052.68
6	2180.19
7	514.03
8	2098.51

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1221-1000 a
Lab ID : 1221-1000 a
Inj Date : 22-SEP-2006 10:51
Operator : 615
Cpnd Sublist: AR12210

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.571	1.571	0.000	2939668	1000.000	1000.000
(2)		2.017	2.017	0.000	789431	1000.000	1000.000
(3)		2.529	2.529	0.000	3672935	1000.000	1000.000
(4)		2.725	2.725	0.000	2804027	1000.000	1000.000
(5)		2.812	2.812	0.000	9052677	1000.000	1000.000
(6)		3.527	3.527	0.000	2180188	1000.000	1000.000
(7)		3.878	3.878	0.000	514027	1000.000	1000.000
(8)		4.260	4.260	0.000	2098505	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

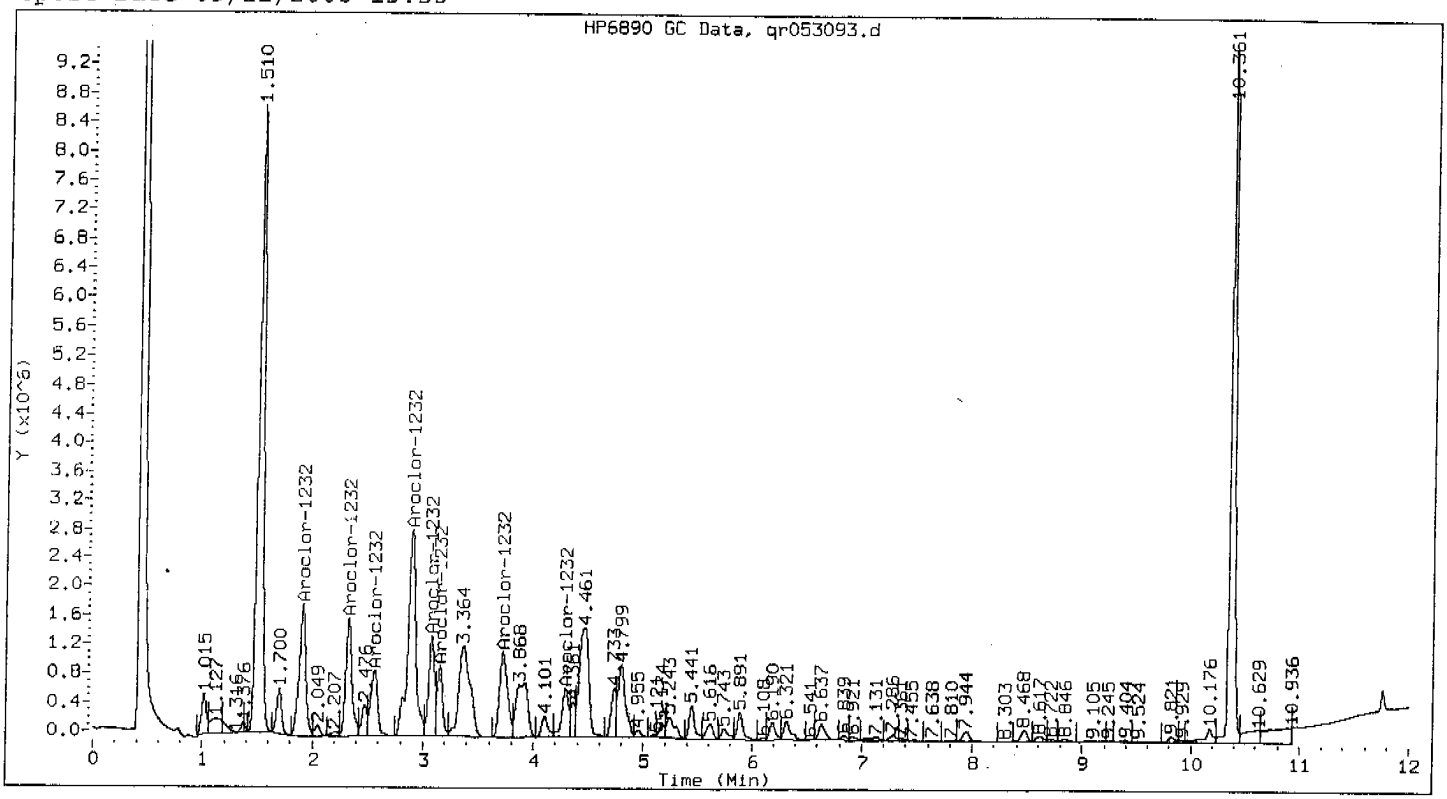
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053093.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	7533.79
2	6488.58
3	4012.76
4	14557.64
5	5245.80
6	3384.61
7	5913.81
8	2789.91

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1232-1000 a
Lab ID : 1232-1000 a
Inj Date : 22-SEP-2006 11:06
Operator : 615
Cpnd Sublist: AR12320

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	1.910	1.910	0.000	7533789	1000.000	1000.000
(2)		2.326	2.326	0.000	6488580	1000.000	1000.000
(3)		2.565	2.565	0.000	4012755	1000.000	1000.000
(4)		2.897	2.897	0.000	14557642	1000.000	1000.000
(5)		3.076	3.076	0.000	5245798	1000.000	1000.000
(6)		3.154	3.154	0.000	3384605	1000.000	1000.000
(7)		3.721	3.721	0.000	5913808	1000.000	1000.000
(8)		4.289	4.289	0.000	2789914	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

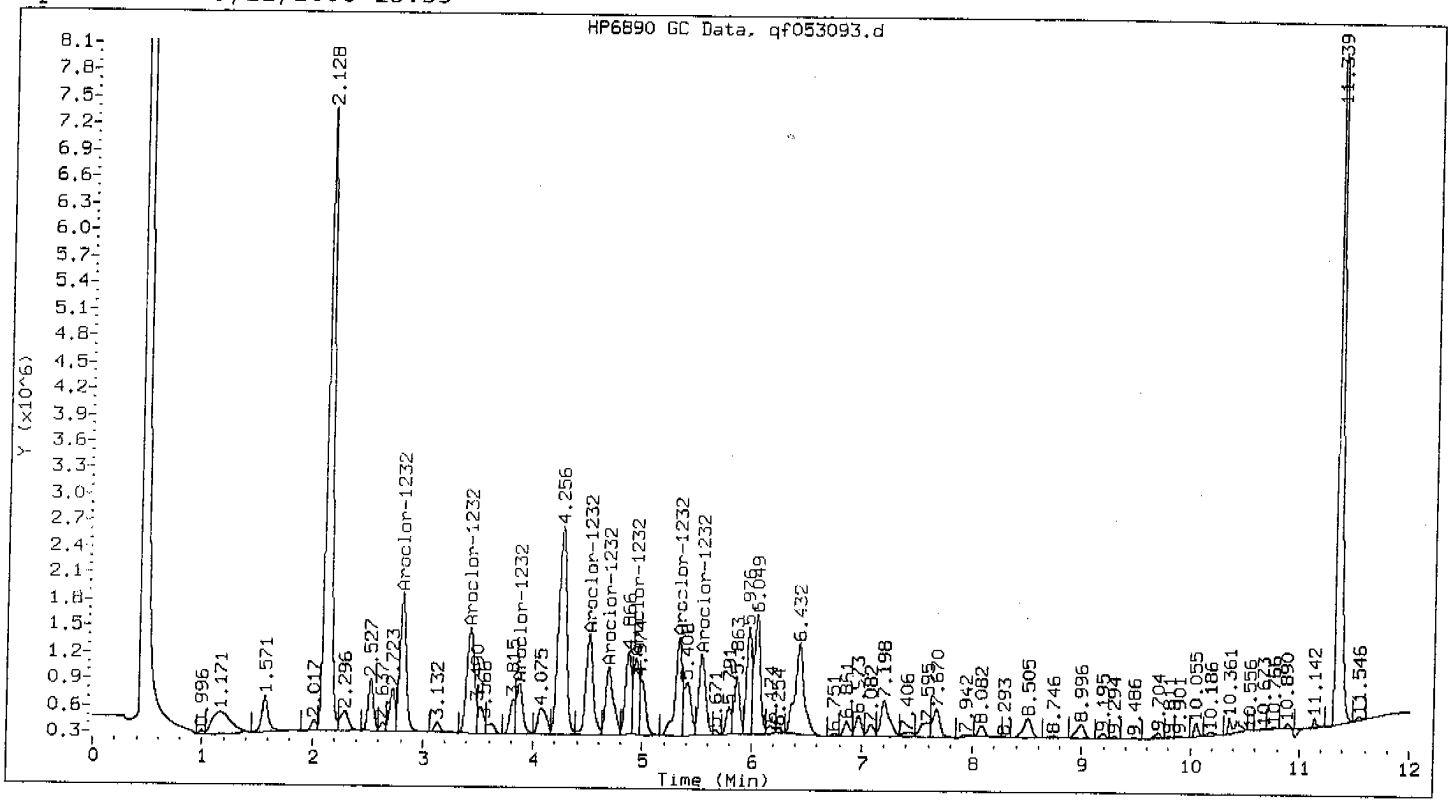
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053093.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	6140.49
2	5655.41
3	2487.18
4	5260.97
5	3722.52
6	3265.77
7	4684.64
8	4066.55

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1232-1000 a
Lab ID : 1232-1000 a
Inj Date : 22-SEP-2006 11:06
Operator : 615
Cpnd Sublist: AR12320

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	2.810	2.810	0.000	6140487	1000.000	1000.000
(2)		3.426	3.426	0.000	5655409	1000.000	1000.000
(3)		3.873	3.873	0.000	2487183	1000.000	1000.000
(4)		4.505	4.505	0.000	5260973	1000.000	1000.000
(5)		4.686	4.686	0.000	3722516	1000.000	1000.000
(6)		4.936	4.936	0.000	3265770	1000.000	1000.000
(7)		5.329	5.329	0.000	4684643	1000.000	1000.000
(8)		5.539	5.539	0.000	4066555	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

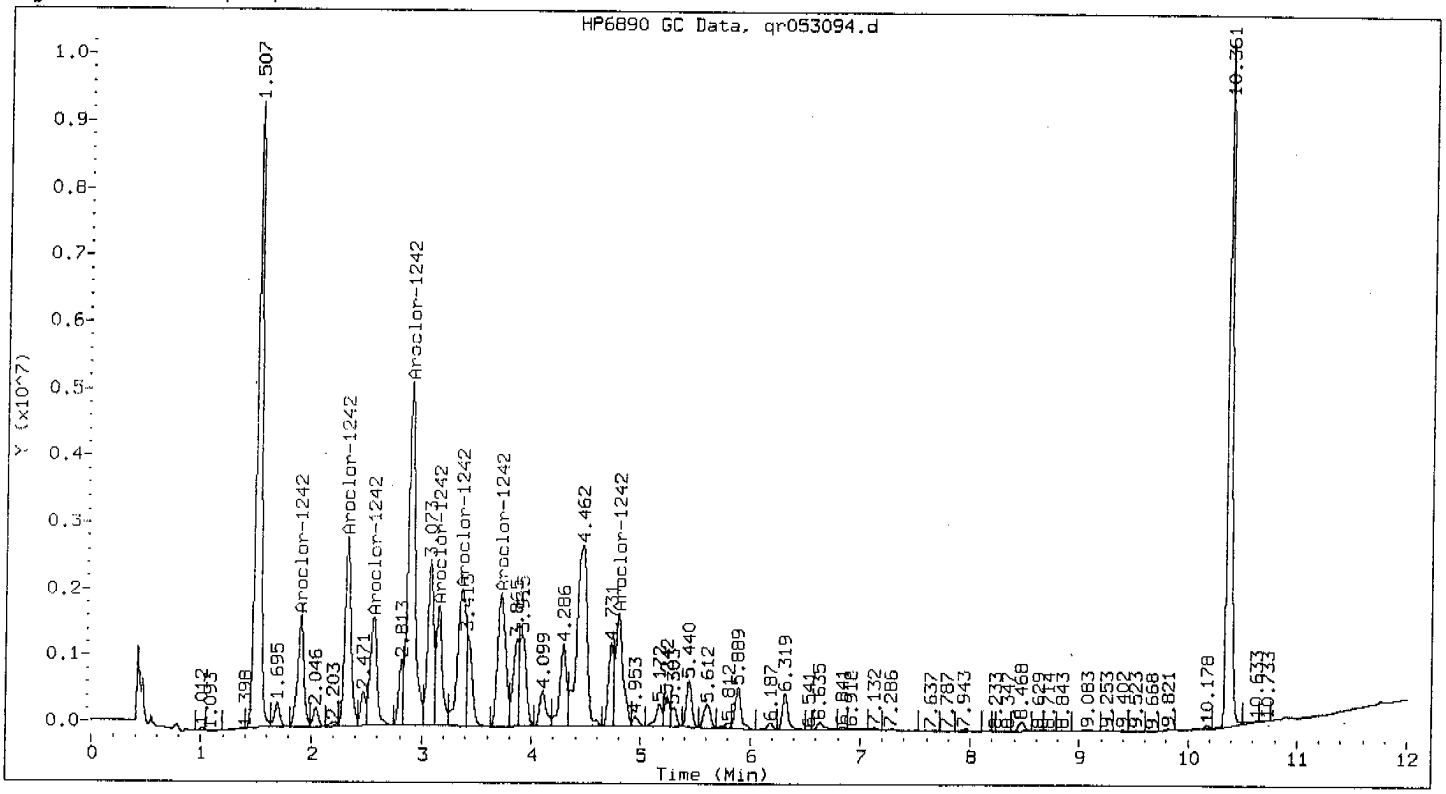
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053094.d

Compound		Midpoint Standard Response Factor
Aroclor-1242		6649.36
	2	10881.78
	3	7233.77
	4	23780.11
	5	6944.52
	6	11290.52
	7	10205.38
	8	7925.73

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1242-1000 a
Lab ID : 1242-1000 a
Inj Date : 22-SEP-2006 11:21
Operator : 615
Cpnd Sublist: AR12420

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1242	(M)	1.907	1.907	0.000	6649365	1000.000	1000.000
(2)		2.323	2.323	0.000	10881785	1000.000	1000.000
(3)		2.562	2.562	0.000	7233775	1000.000	1000.000
(4)		2.895	2.895	0.000	23780114	1000.000	1000.000
(5)		3.152	3.152	0.000	6944516	1000.000	1000.000
(6)		3.363	3.363	0.000	11290520	1000.000	1000.000
(7)		3.718	3.718	0.000	10205377	1000.000	1000.000
(8)		4.796	4.796	0.000	7925729	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

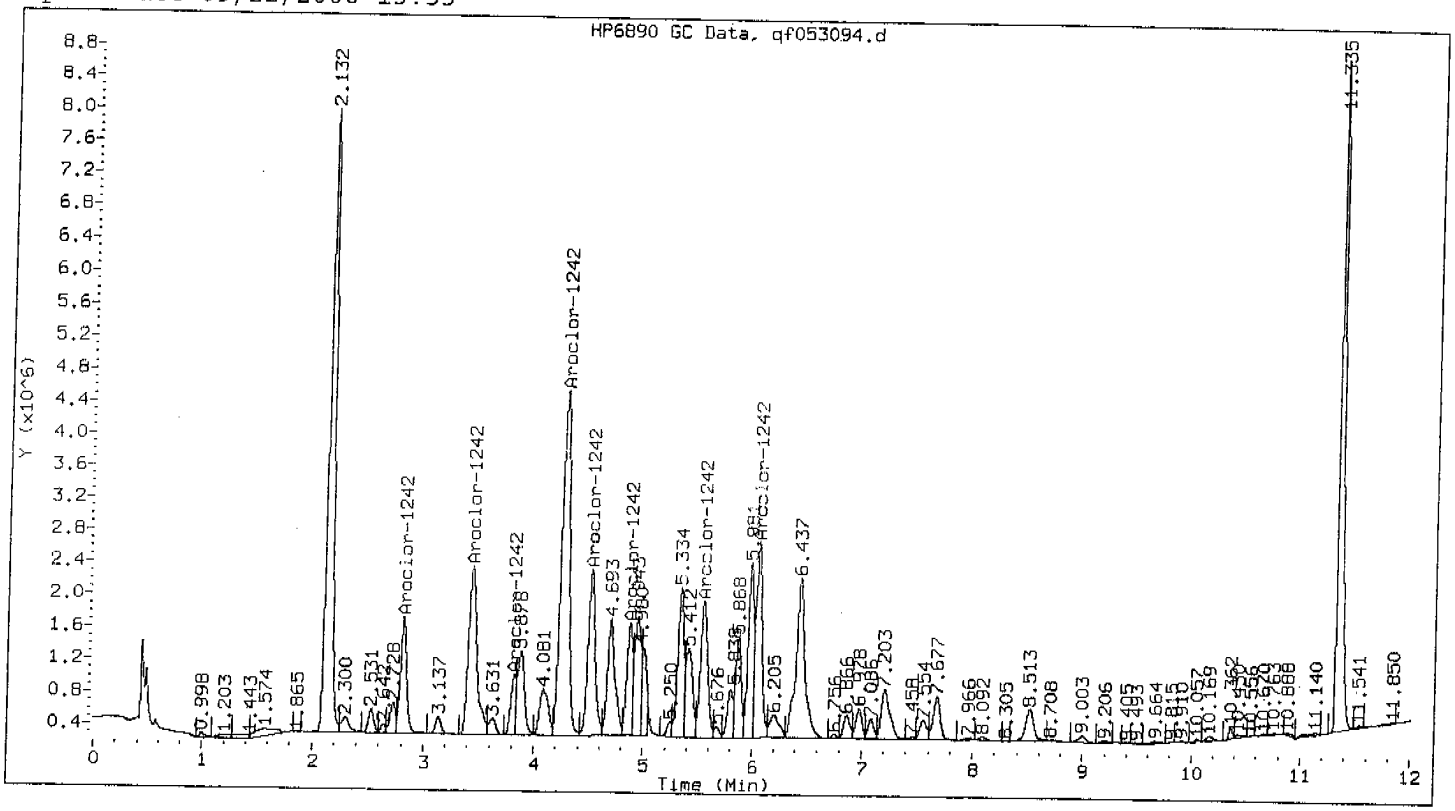
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053094.d

Compound		Midpoint Standard Response Factor
Aroclor-1242		5584.35
	2	11306.25
	3	2201.37
	4	22008.99
	5	9561.01
	6	4928.18
	7	7806.48
	8	9739.28

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1242-1000 a
Lab ID : 1242-1000 a
Inj Date : 22-SEP-2006 11:21
Operator : 615
Cpnd Sublist: AR12420

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1242	(M)	2.813	2.813	0.000	5584353	1000.000	1000.000
(2)		3.433	3.433	0.000	11306249	1000.000	1000.000
(3)		3.821	3.821	0.000	2201371	1000.000	1000.000
(4)		4.262	4.262	0.000	22008993	1000.000	1000.000
(5)		4.511	4.511	0.000	9561012	1000.000	1000.000
(6)		4.871	4.871	0.000	4928184	1000.000	1000.000
(7)		5.544	5.544	0.000	7806483	1000.000	1000.000
(8)		6.053	6.053	0.000	9739285	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

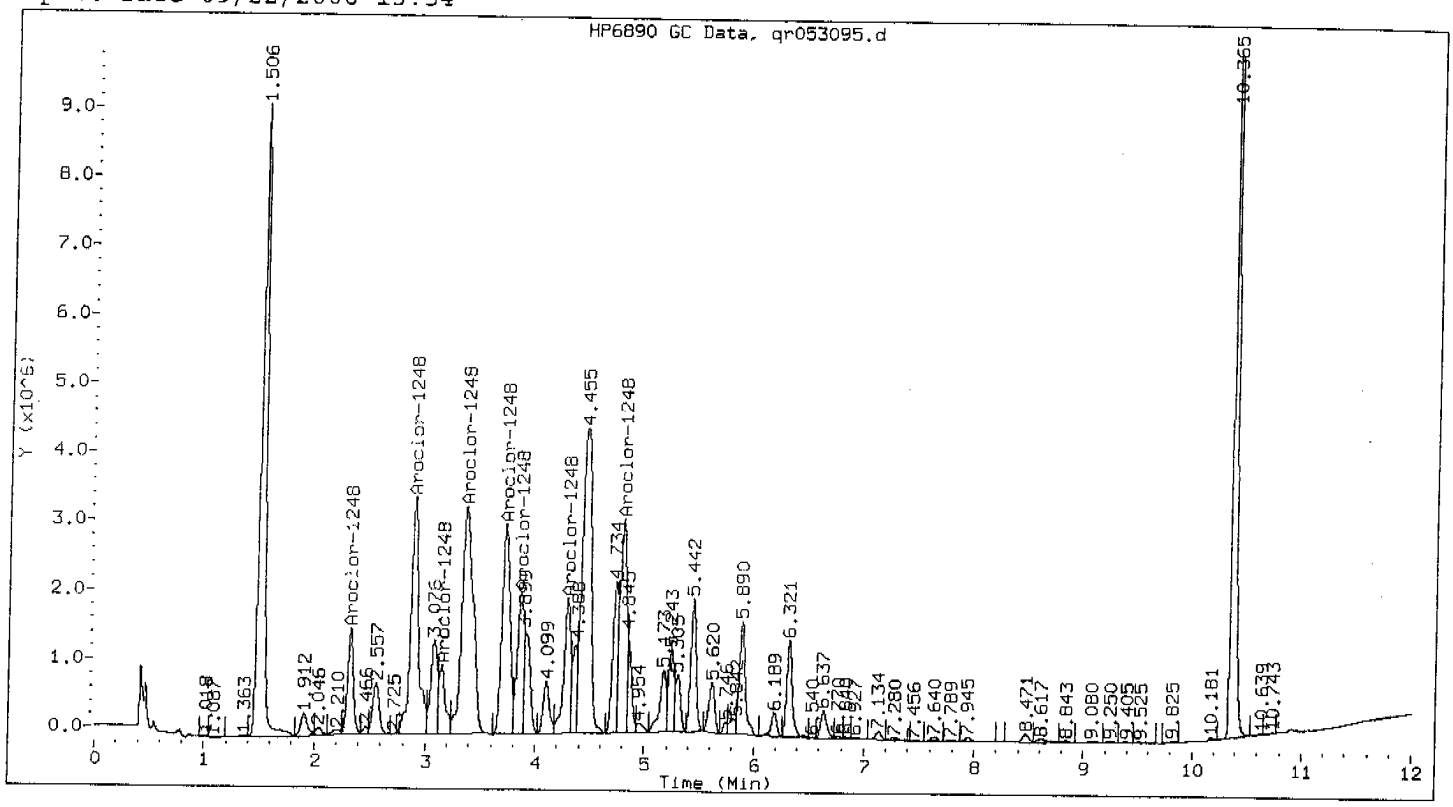
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053095.d

Compound		Midpoint Standard Response Factor
Aroclor-1248		5798.00
	2	17412.41
	3	4145.88
	4	23899.45
	5	15475.40
	6	8542.89
	7	8428.72
	8	12566.82

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1248-1000 a
Lab ID : 1248-1000 a
Inj Date : 22-SEP-2006 11:37
Operator : 615
Cpnd Sublist: AR12480

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	2.321	2.321	0.000	5798004	1000.000	1000.000
(2)		2.891	2.891	0.000	17412410	1000.000	1000.000
(3)		3.149	3.149	0.000	4145881	1000.000	1000.000
(4)		3.359	3.359	0.000	23899450	1000.000	1000.000
(5)		3.716	3.716	0.000	15475398	1000.000	1000.000
(6)		3.860	3.860	0.000	8542891	1000.000	1000.000
(7)		4.285	4.285	0.000	8428715	1000.000	1000.000
(8)		4.796	4.796	0.000	12566824	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

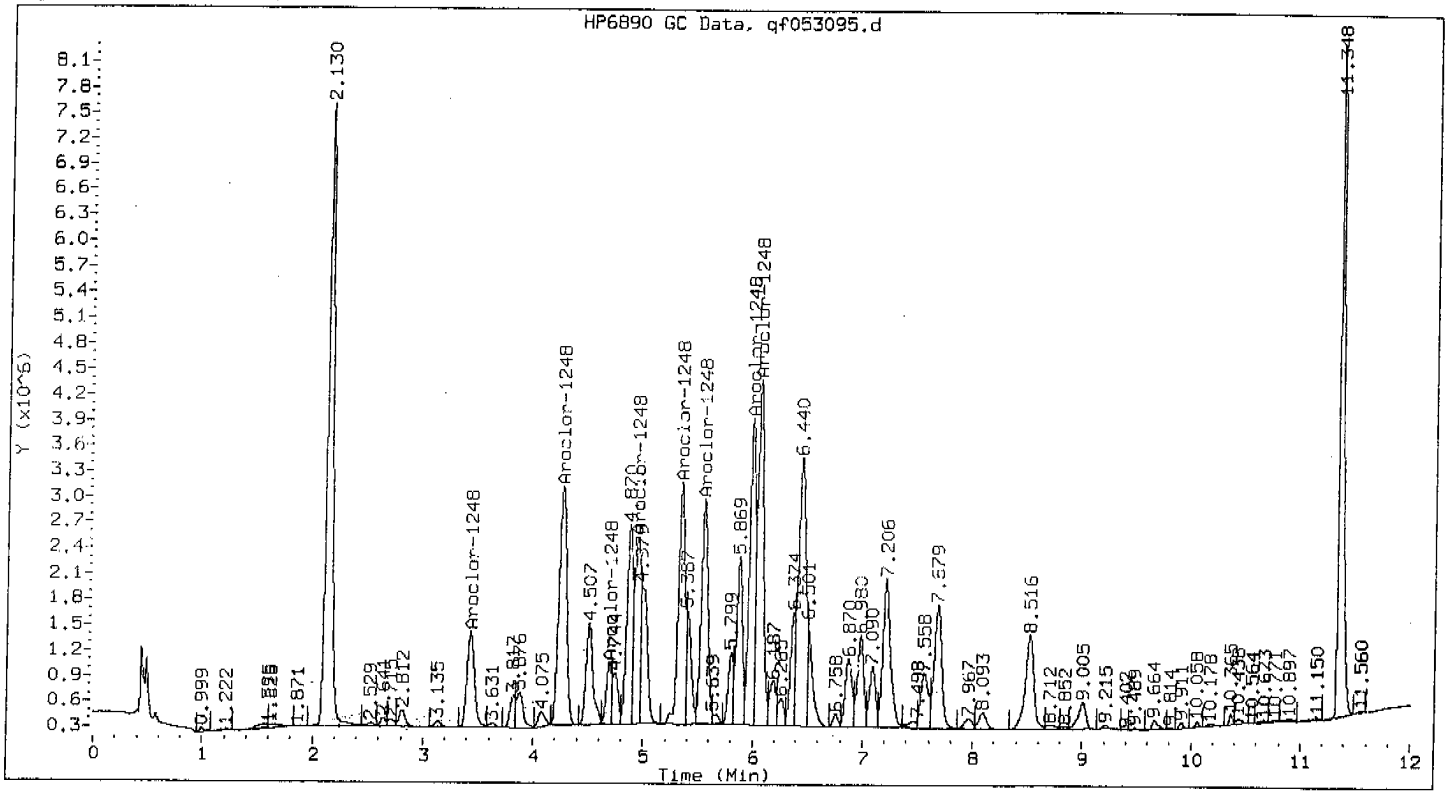
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053095.d

Compound		Midpoint Standard Response Factor
Aroclor-1248		5421.17
	2	14097.68
	3	2478.61
	4	8318.70
	5	11725.94
	6	11523.57
	7	12677.87
	8	16645.63

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1248-1000 a
Lab ID : 1248-1000 a
Inj Date : 22-SEP-2006 11:37
Operator : 615
Cpnd Sublist: AR12480

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

9/21/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	3.427	3.427	0.000	5421168	1000.000	1000.000
(2)		4.257	4.257	0.000	14097680	1000.000	1000.000
(3)		4.692	4.692	0.000	2478614	1000.000	1000.000
(4)		4.942	4.942	0.000	8318703	1000.000	1000.000
(5)		5.335	5.335	0.000	11725943	1000.000	1000.000
(6)		5.545	5.545	0.000	11523566	1000.000	1000.000
(7)		5.982	5.982	0.000	12677870	1000.000	1000.000
(8)		6.055	6.055	0.000	16645634	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

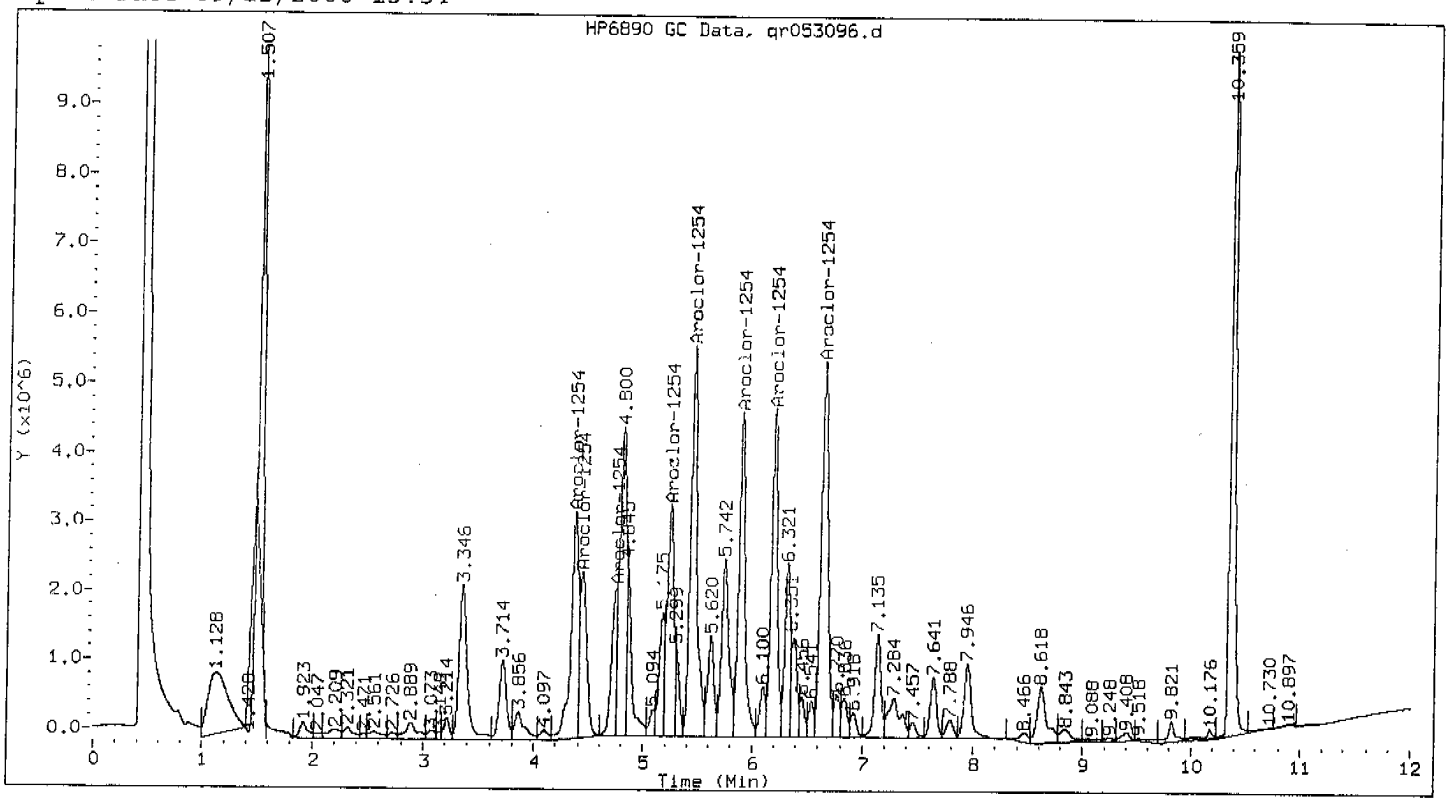
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053096.d

Compound		Midpoint Standard Response Factor
Aroclor-1254		15451.80
	2	10757.95
	3	7005.90
	4	14449.01
	5	24575.39
	6	20110.69
	7	18893.22
	8	24631.38

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1254-1000 a
Lab ID : 1254-1000 a
Inj Date : 22-SEP-2006 11:52
Operator : 615
Cpnd Sublist: AR12540

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	4.363	4.363	0.000	15451802	1000.000	1000.000
(2)		4.433	4.433	0.000	10757952	1000.000	1000.000
(3)		4.753	4.753	0.000	7005895	1000.000	1000.000
(4)		5.242	5.242	0.000	14449013	1000.000	1000.000
(5)		5.441	5.441	0.000	24575386	1000.000	1000.000
(6)		5.891	5.891	0.000	20110694	1000.000	1000.000
(7)		6.190	6.190	0.000	18893216	1000.000	1000.000
(8)		6.638	6.638	0.000	24631378	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

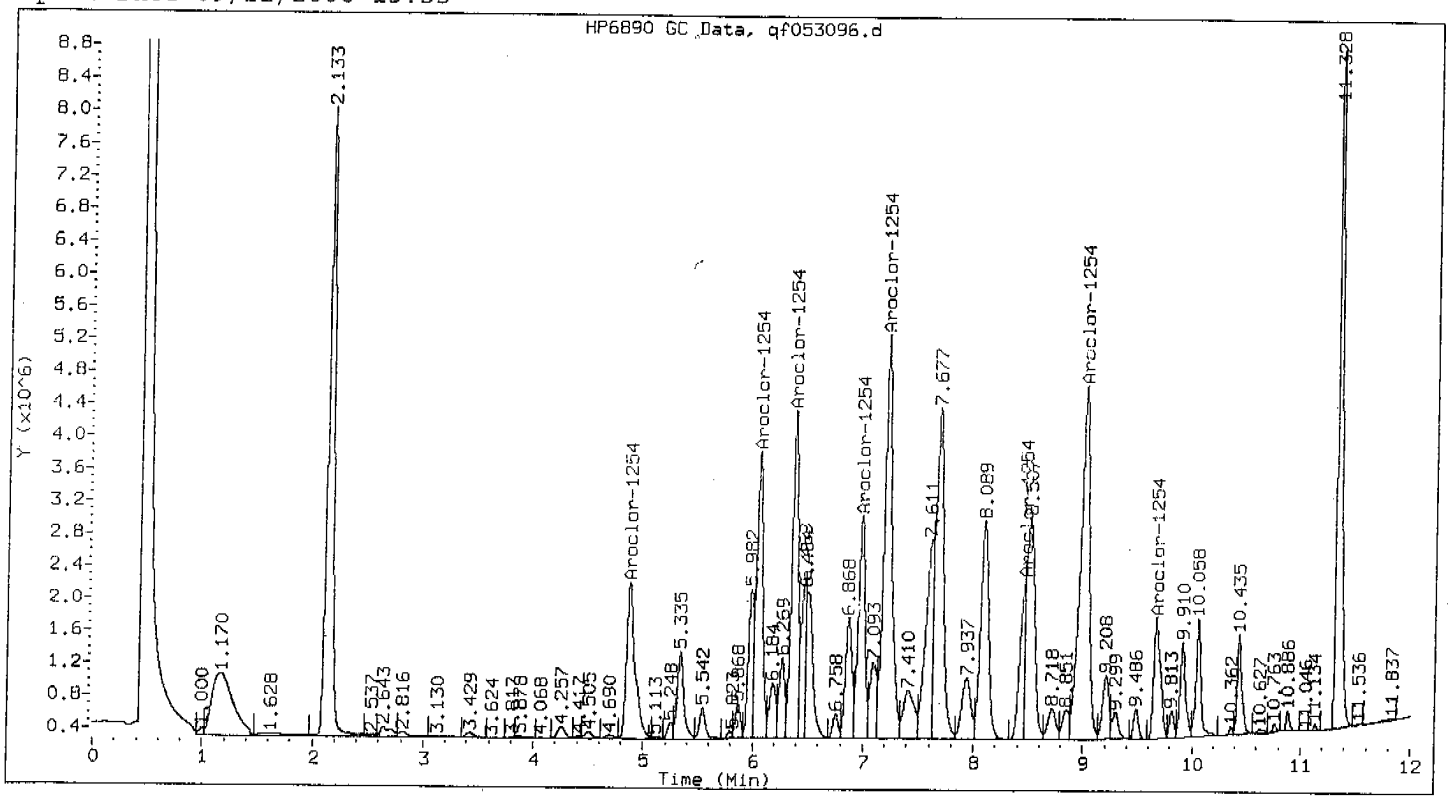
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053096.d

Compound	Midpoint Standard Response Factor
Aroclor-1254	10287.45
2	14910.93
3	16097.40
4	11325.34
5	24914.21
6	5714.75
7	25562.03
8	6495.09

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1254-1000 a
Lab ID : 1254-1000 a
Inj Date : 22-SEP-2006 11:52
Operator : 615
Cpnd Sublist: AR12540

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1254	(M)	4.871	4.871	0.000	10287449	1000.000	1000.000
(2)		6.048	6.048	0.000	14910934	1000.000	1000.000
(3)		6.369	6.369	0.000	16097403	1000.000	1000.000
(4)		6.979	6.979	0.000	11325338	1000.000	1000.000
(5)		7.205	7.205	0.000	24914213	1000.000	1000.000
(6)		8.462	8.462	0.000	5714752	1000.000	1000.000
(7)		9.005	9.005	0.000	25562029	1000.000	1000.000
(8)		9.664	9.664	0.000	6495092	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

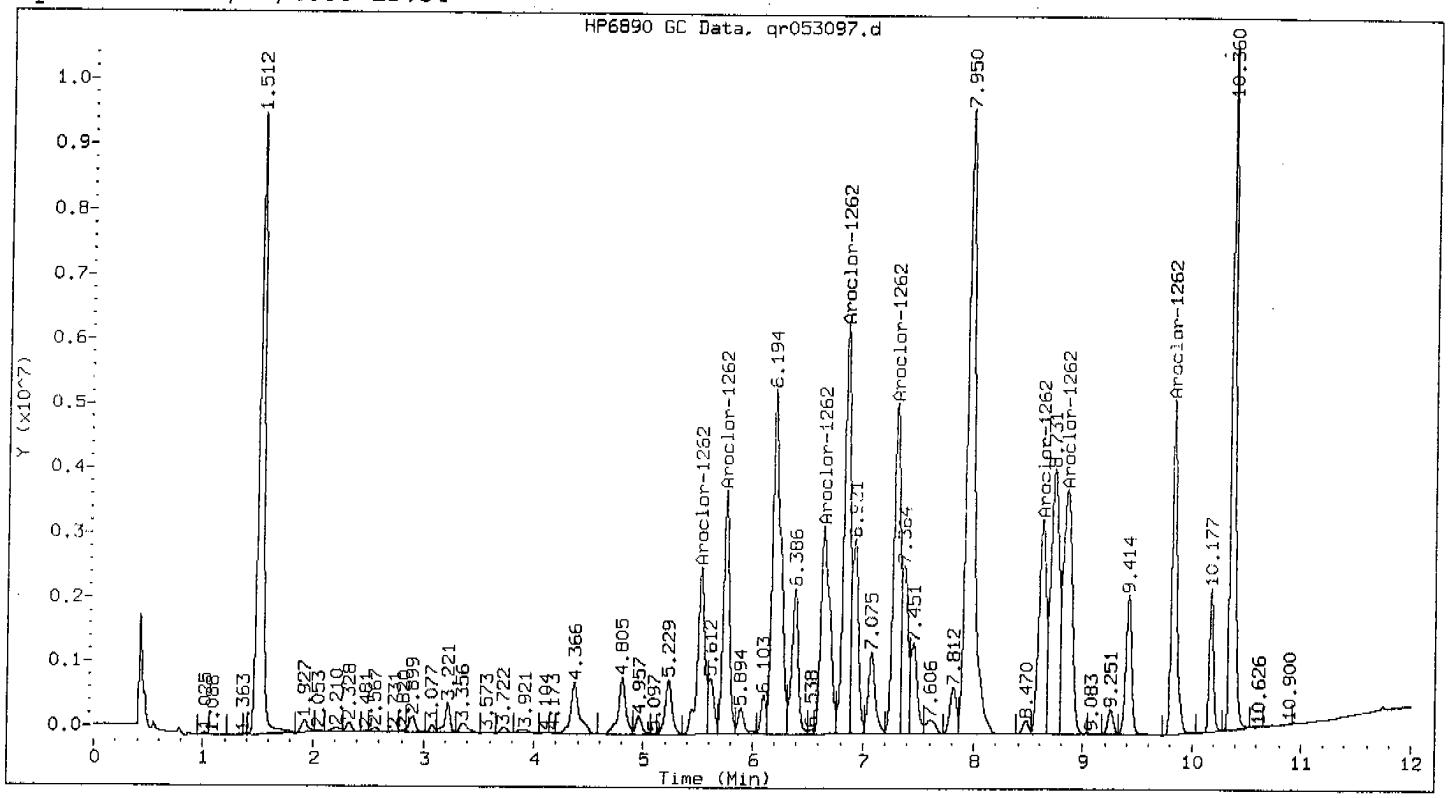
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053097.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	11697.34
2	14910.66
3	18374.10
4	25529.39
5	21495.21
6	16052.60
7	22645.35
8	17424.40

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1262-1000 a
Lab ID : 1262-1000 a
Inj Date : 22-SEP-2006 12:07
Operator : 615
Cpnd Sublist: AR12620

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1262	(M)	5.521	5.521	0.000	11697338	1000.000	1000.000
(2)		5.745	5.745	0.000	14910655	1000.000	1000.000
(3)		6.638	6.638	0.000	18374104	1000.000	1000.000
(4)		6.841	6.841	0.000	25529386	1000.000	1000.000
(5)		7.291	7.291	0.000	21495213	1000.000	1000.000
(6)		8.621	8.621	0.000	16052605	1000.000	1000.000
(7)		8.846	8.846	0.000	22645353	1000.000	1000.000
(8)		9.825	9.825	0.000	17424397	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

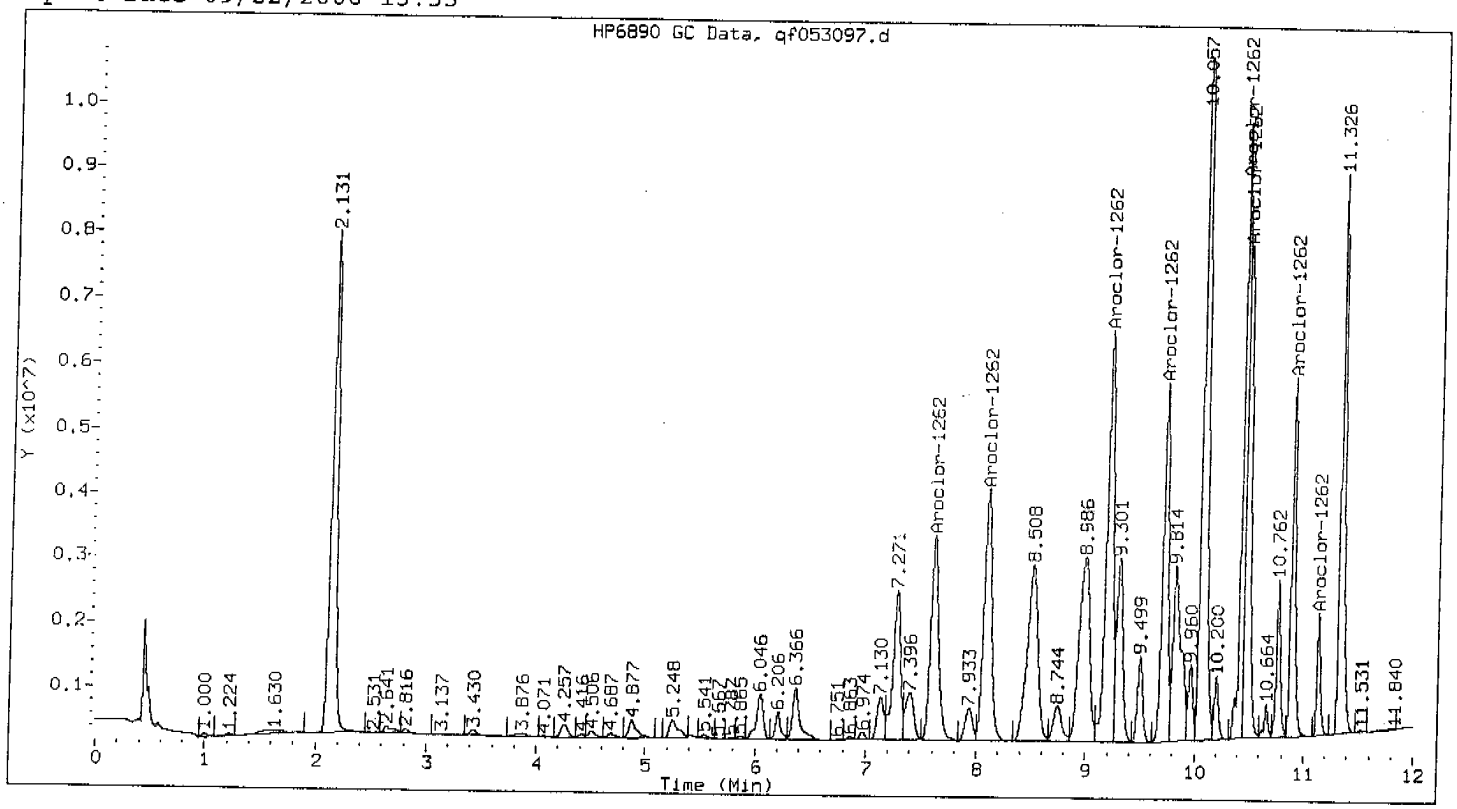
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053097.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	15893.57
2	19640.38
3	27751.87
4	19995.91
5	23251.68
6	22685.55
7	14357.33
8	4244.69

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1262-1000 a
Lab ID : 1262-1000 a
Inj Date : 22-SEP-2006 12:07
Operator : 615
Cpnd Sublist: AR12620

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	(M)	7.606	7.606	0.000	15893570	1000.000	1000.000
(2)		8.086	8.086	0.000	19640376	1000.000	1000.000
(3)		9.196	9.196	0.000	27751865	1000.000	1000.000
(4)		9.709	9.709	0.000	19995906	1000.000	1000.000
(5)		10.430	10.430	0.000	23251676	1000.000	1000.000
(6)		10.463	10.463	0.000	22685552	1000.000	1000.000
(7)		10.885	10.885	0.000	14357330	1000.000	1000.000
(8)		11.133	11.133	0.000	4244690	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP1 Primary Column

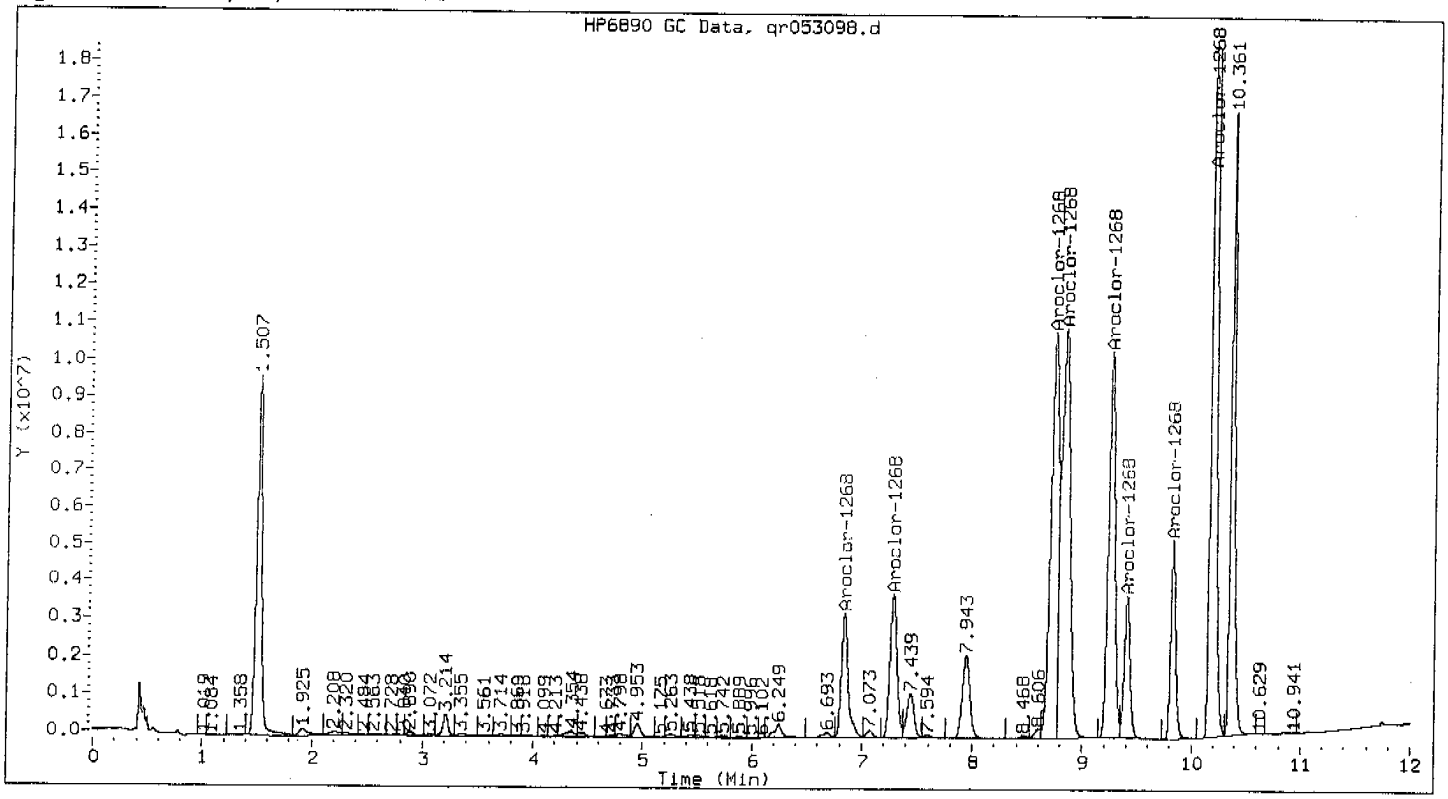
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053098.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	14452.80
2	16681.47
3	54638.88
4	60690.36
5	42903.28
6	14433.79
7	17085.13
8	92919.63

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/05Qr8082.m
Sample Info : 1268-1000 a
Lab ID : 1268-1000 a
Inj Date : 22-SEP-2006 12:22
Operator : 615
Cpnd Sublist: AR12680

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	(M)	6.841	6.841	0.000	14452800	1000.000	1000.000
(2)		7.283	7.283	0.000	16681467	1000.000	1000.000
(3)		8.733	8.733	0.000	54638883	1000.000	1000.000
(4)		8.833	8.833	0.000	60690364	1000.000	1000.000
(5)		9.254	9.254	0.000	42903277	1000.000	1000.000
(6)		9.405	9.405	0.000	14433794	1000.000	1000.000
(7)		9.826	9.826	0.000	17085130	1000.000	1000.000
(8)		10.179	10.179	0.000	92919635	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC8.i Column ID: StxCLP2 Confirmatory Column

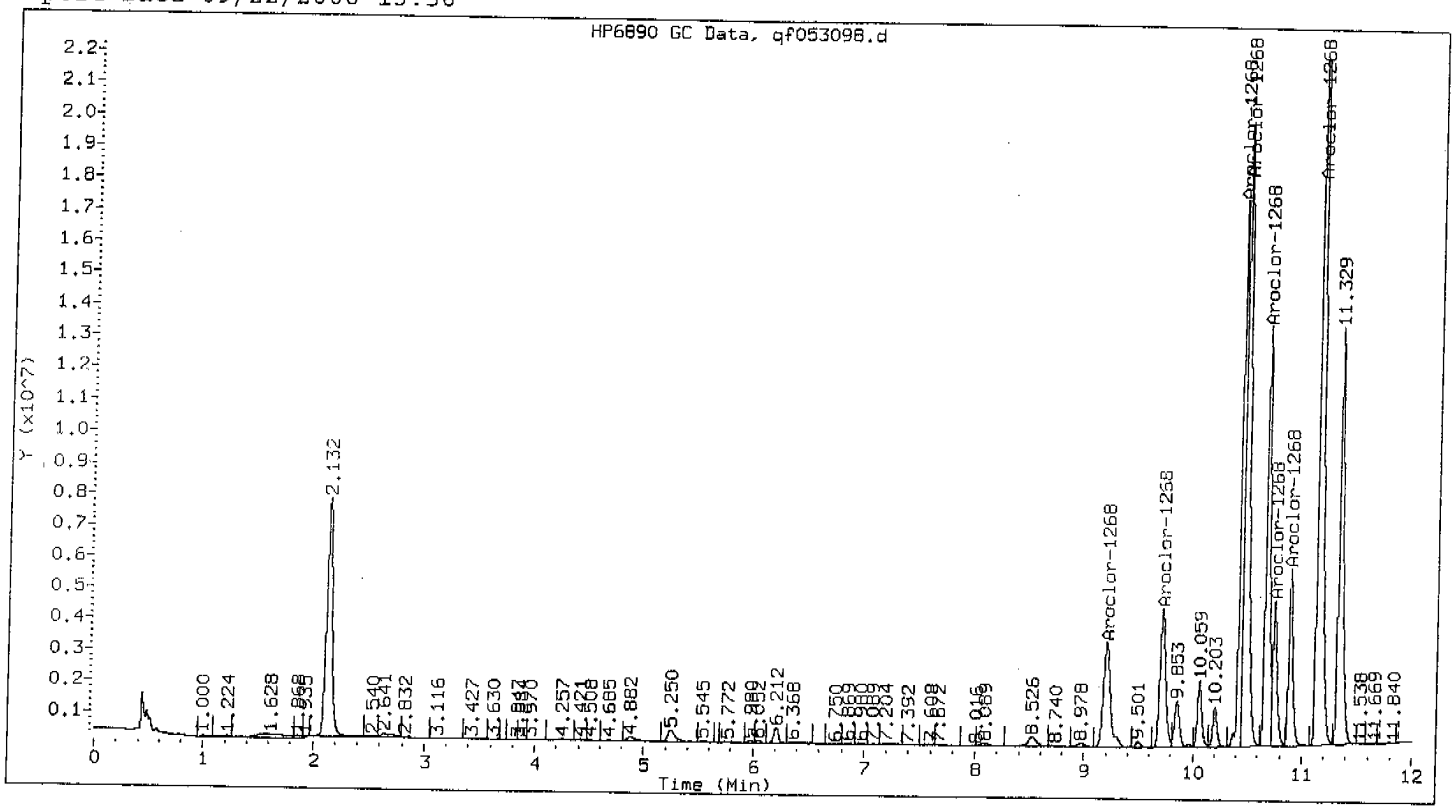
Midpoint Calibration File:

/chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053098.d

Compound		Midpoint Standard Response Factor
Aroclor-1268		14881.70
	2	16159.50
	3	31729.38
	4	61052.32
	5	33097.60
	6	13121.42
	7	14135.53
	8	76726.08

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/05Qf8082.m
Sample Info : 1268-1000 a
Lab ID : 1268-1000 a
Inj Date : 22-SEP-2006 12:22
Operator : 615
Cpnd Sublist: AR12680

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	(M)	9.201	9.201	0.000	14881700	1000.000	1000.000
(2)		9.713	9.713	0.000	16159505	1000.000	1000.000
(3)		10.428	10.428	0.000	31729378	1000.000	1000.000
(4)		10.465	10.465	0.000	61052320	1000.000	1000.000
(5)		10.668	10.668	0.000	33097597	1000.000	1000.000
(6)		10.744	10.744	0.000	13121418	1000.000	1000.000
(7)		10.888	10.888	0.000	14135529	1000.000	1000.000
(8)		11.137	11.137	0.000	76726081	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/qr053510.d
Method: /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/05Qr8082.m

Sample Information: 1660-1000 D
Injection Date: 05-OCT-2006 20:50

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.919	1000	1110.88	11.09
Aroclor-1016	2	2.336	1000	1089.80	8.98
Aroclor-1016	3	2.574	1000	1131.18	13.12
Aroclor-1016	4	2.906	1000	0.00	100.00*
Aroclor-1016	5	3.083	1000	0.00	100.00*
Aroclor-1016	6	3.161	1000	1139.30	13.93
Aroclor-1016	7	3.728	1000	1056.95	5.69
Aroclor-1016	8	3.874	1000	1026.83	2.68
Aroclor-1260	1	5.746	1000	1045.31	4.53
Aroclor-1260	2	6.193	1000	1028.48	2.85
Aroclor-1260	3	6.640	1000	1048.24	4.82
Aroclor-1260	4	6.841	1000	1070.61	7.06
Aroclor-1260	5	7.291	1000	1068.47	6.85
Aroclor-1260	6	8.620	1000	1069.90	6.99
Aroclor-1260	7	8.845	1000	1089.46	8.95
Aroclor-1260	8	9.822	1000	1133.50	13.35

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.518	100	102.16	2.16
Decachlorobiphenyl(sur	10.356	100	104.20	4.20

* Multicomponent peak not used in calibration.

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/qr053510.d
Injection Date: 05-OCT-2006 20:50

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.909	(1.839 - 1.979)	1.919	
	2.325	(2.255 - 2.395)	2.336	
	2.563	(2.493 - 2.633)	2.574	
	2.896	(2.826 - 2.966)	2.906	
	3.074	(3.004 - 3.144)	3.083	
	3.152	(3.082 - 3.222)	3.161	
	3.719	(3.649 - 3.789)	3.728	
	3.864	(3.794 - 3.934)	3.874	
Aroclor-1260	5.740	(5.670 - 5.810)	5.746	
	6.189	(6.119 - 6.259)	6.193	
	6.635	(6.565 - 6.705)	6.640	
	6.837	(6.767 - 6.907)	6.841	
	7.286	(7.216 - 7.356)	7.291	
	8.615	(8.545 - 8.685)	8.620	
	8.841	(8.771 - 8.911)	8.845	
	9.821	(9.751 - 9.891)	9.822	
Tetrachloro-m-xylene(surr)	1.509	(1.459 - 1.559)	1.518	
Decachlorobiphenyl(surr)	10.358	(10.258 - 10.458)	10.356	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06d.b/qf053510.d
Method: /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06d.b/05Qf8082.m

Sample Information: 1660-1000 D
Injection Date: 05-OCT-2006 20:50

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.817	1000	1050.48	5.05
Aroclor-1016	2	3.436	1000	1122.31	12.23
Aroclor-1016	3	3.881	1000	1124.13	12.41
Aroclor-1016	4	4.263	1000	1061.82	6.18
Aroclor-1016	5	4.511	1000	1038.49	3.85
Aroclor-1016	6	4.942	1000	1115.35	11.54
Aroclor-1016	7	5.333	1000	1037.05	3.70
Aroclor-1016	8	5.542	1000	1071.63	7.16
Aroclor-1260	1	7.604	1000	1014.64	1.46
Aroclor-1260	2	8.083	1000	1017.85	1.78
Aroclor-1260	3	8.994	1000	1082.71	8.27
Aroclor-1260	4	9.193	1000	1076.81	7.68
Aroclor-1260	5	9.298	1000	1110.82	11.08
Aroclor-1260	6	9.706	1000	1036.41	3.64
Aroclor-1260	7	10.428	1000	1064.46	6.45
Aroclor-1260	8	10.876	1000	1111.63	11.16

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.138	100	108.35	8.35
Decachlorobiphenyl(sur	11.311	100	108.53	8.53

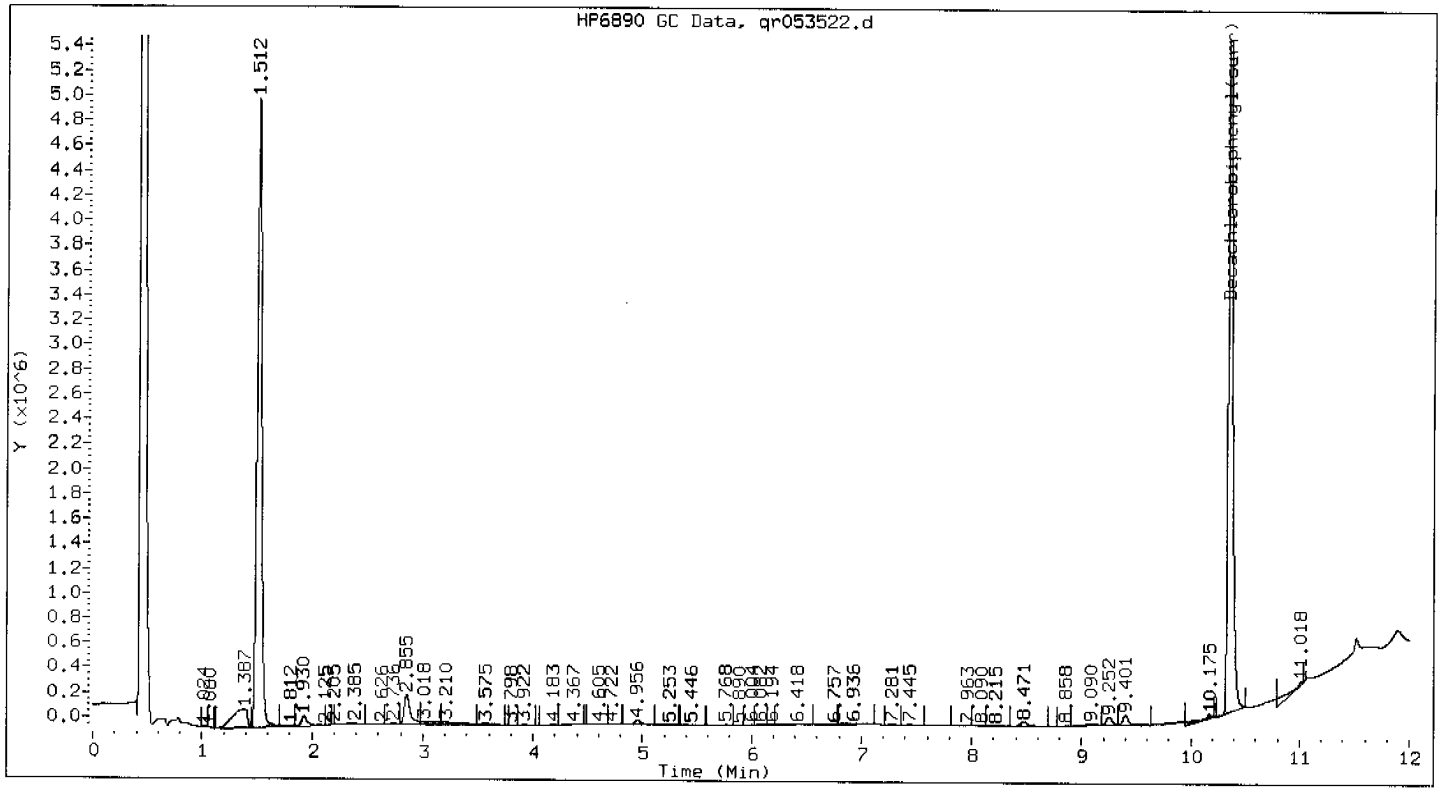
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06d.b/qf053510.d
Injection Date: 05-OCT-2006 20:50

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.808	(2.738 - 2.878)	2.817	
	3.426	(3.356 - 3.496)	3.436	
	3.872	(3.802 - 3.942)	3.881	
	4.254	(4.184 - 4.324)	4.263	
	4.504	(4.434 - 4.574)	4.511	
	4.935	(4.865 - 5.005)	4.942	
	5.329	(5.259 - 5.399)	5.333	
	5.539	(5.469 - 5.609)	5.542	
Aroclor-1260	7.603	(7.533 - 7.673)	7.604	
	8.083	(8.013 - 8.153)	8.083	
	8.994	(8.924 - 9.064)	8.994	
	9.194	(9.124 - 9.264)	9.193	
	9.299	(9.229 - 9.369)	9.298	
	9.706	(9.636 - 9.776)	9.706	
	10.433	(10.363 - 10.503)	10.428	
	10.885	(10.815 - 10.955)	10.876	
Tetrachloro-m-xylene(surr)	2.128	(2.078 - 2.178)	2.138	
Decachlorobiphenyl(surr)	11.327	(11.227 - 11.427)	11.311	

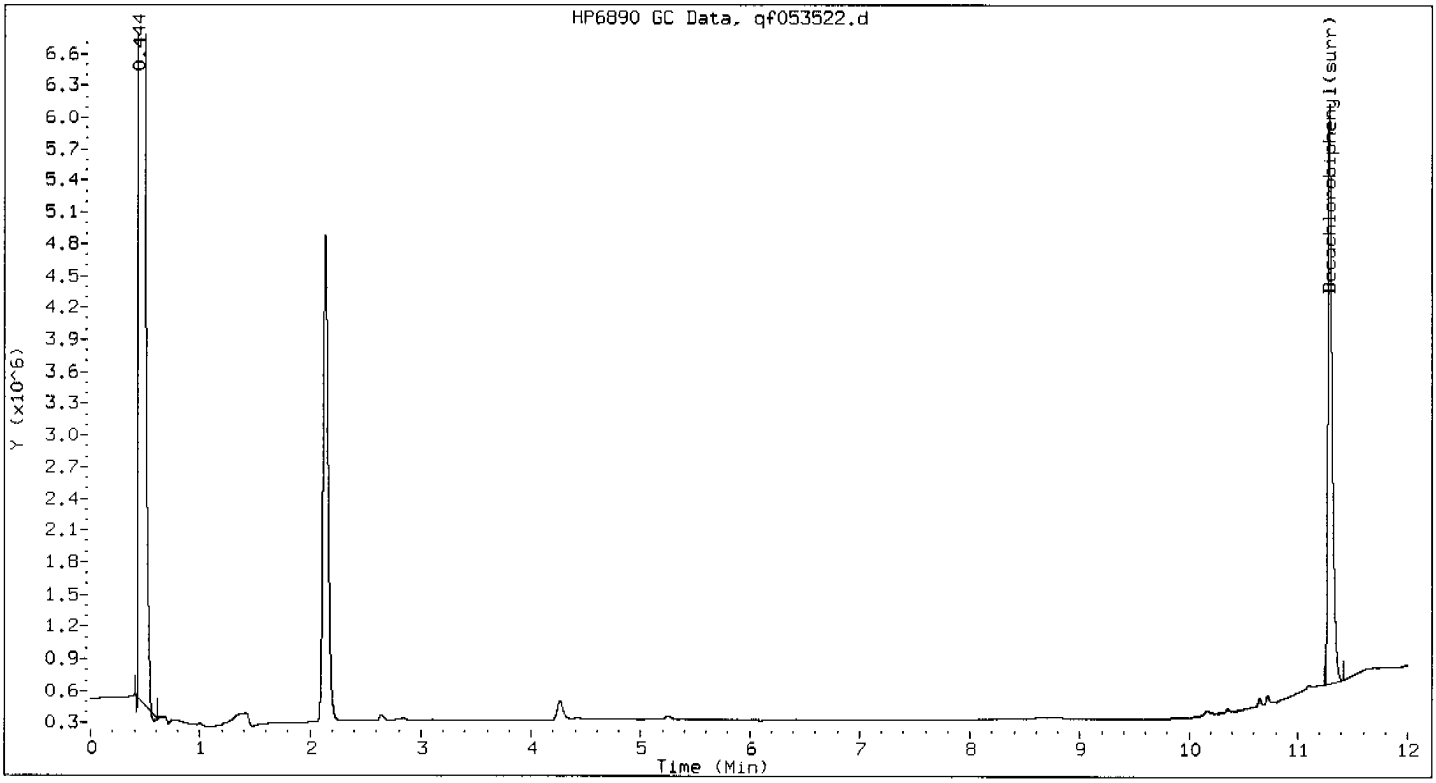


Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/05Qr8082.m
Sample Info : SP278C;MB63630
Lab ID : SP278C
Inj Date : 06-OCT-2006 01:10
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

10/8/06

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	10.354	10.356	0.002	16578737	57.852	38.568



Method : /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06d.b/05Qf8082.m
Sample Info : SP278C;MB63630
Lab ID : SP278C
Inj Date : 06-OCT-2006 01:10
Operator : 615
Cpnd Sublist: PCB8082+

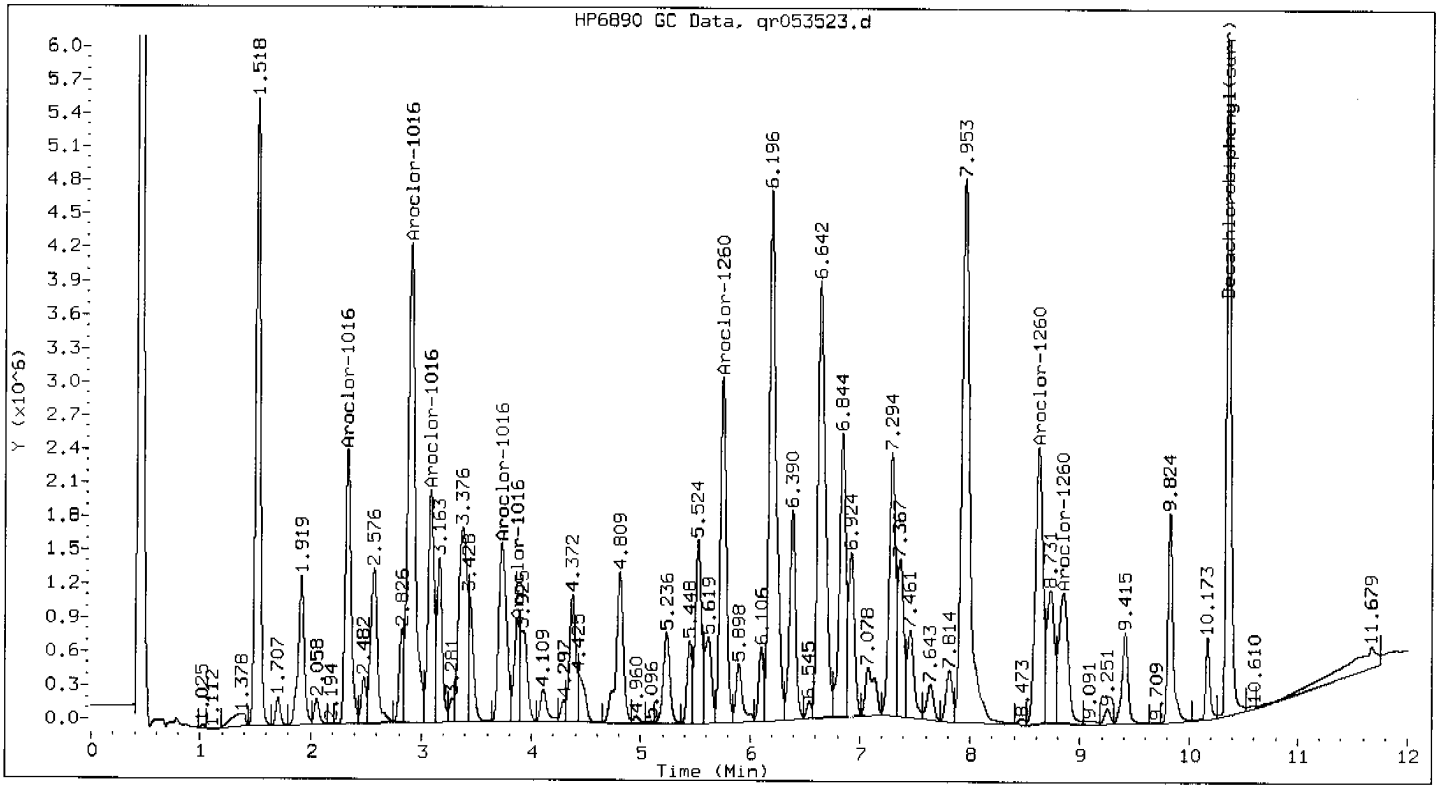
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

10/8/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	11.290	11.311	0.020	14035169	59.758	39.839

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/05Qr8082.m
Sample Info : 4462BS;BS51370
Lab ID : 4462BS
Inj Date : 06-OCT-2006 01:25
Operator : 615
Cpnd Sublist: PCB8082+

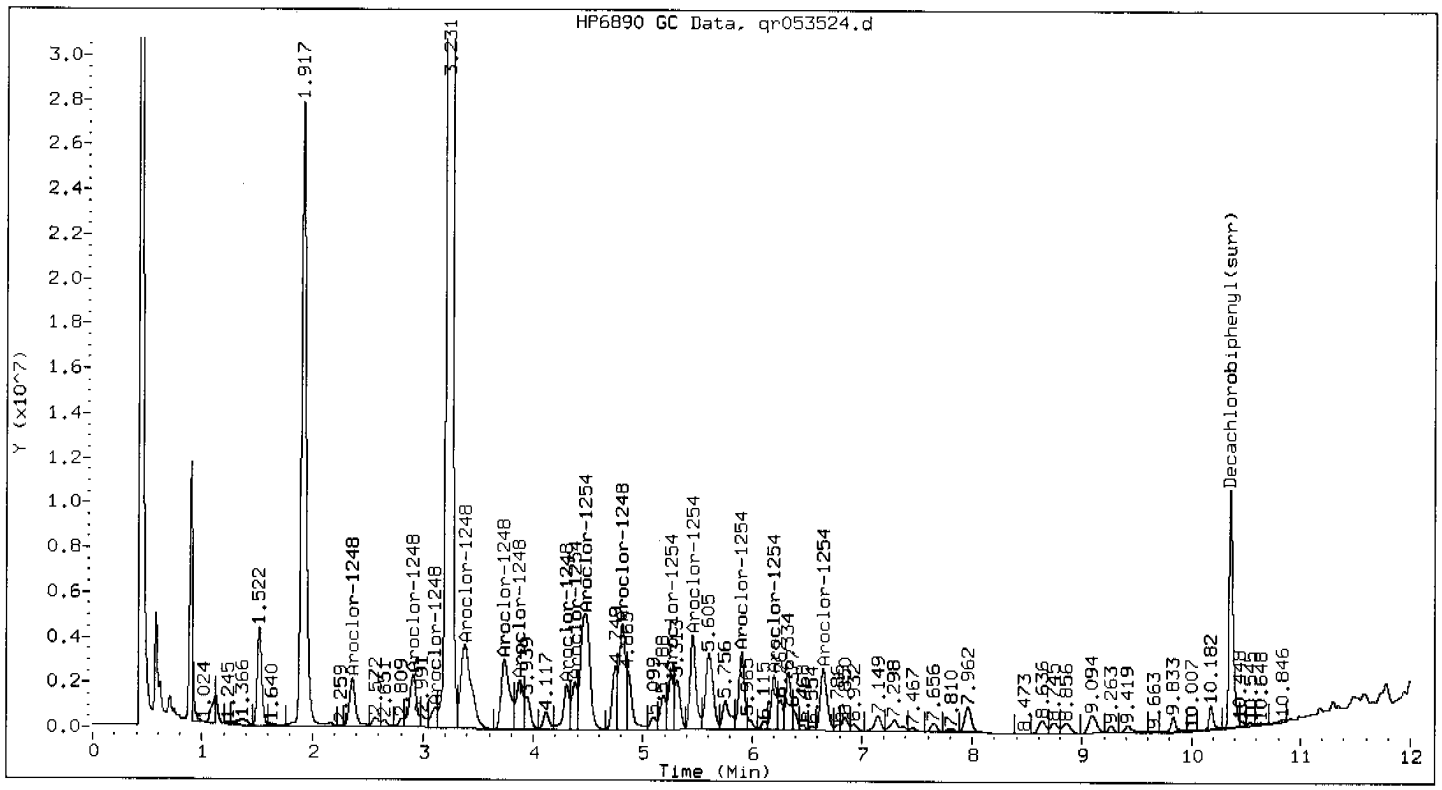
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BS

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	------	1.919	------	------	------	------ (*)
(2)		2.336	2.336	0.000	8897544	664.914	443.276
(3)		------	2.574	------	------	------	------ (*)
(4)		------	2.906	------	------	------	------ (*)
(5)		------	3.083	------	------	------	------ (*)
(6)		------	3.161	------	------	------	------ (*)
(7)		3.731	3.728	0.003	7830564	644.096	429.397
(8)		3.875	3.874	0.001	3268963	630.499	420.333
Average of peak concentrations:							430.00
Aroclor-1260		5.748	5.746	0.003	11936128	650.511	433.674
(2)		------	6.193	------	------	------	------ (*)
(3)		------	6.640	------	------	------	------ (*)
(4)		------	6.841	------	------	------	------ (*)
(5)		------	7.291	------	------	------	------ (*)
(6)		8.624	8.620	0.004	12235642	642.984	428.656

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	8.849	8.845	0.004	6941232	672.396	448.264
(8)	------	9.822	------	------	------	------ (*)
Average of peak concentrations:						440.00
Decachlorobiphenyl(surr)	10.354	10.356	0.002	19134188	66.769	44.513

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/05Qr8082.m
Sample Info : 775272;3280907
Lab ID : 775272
Inj Date : 06-OCT-2006 01:39
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

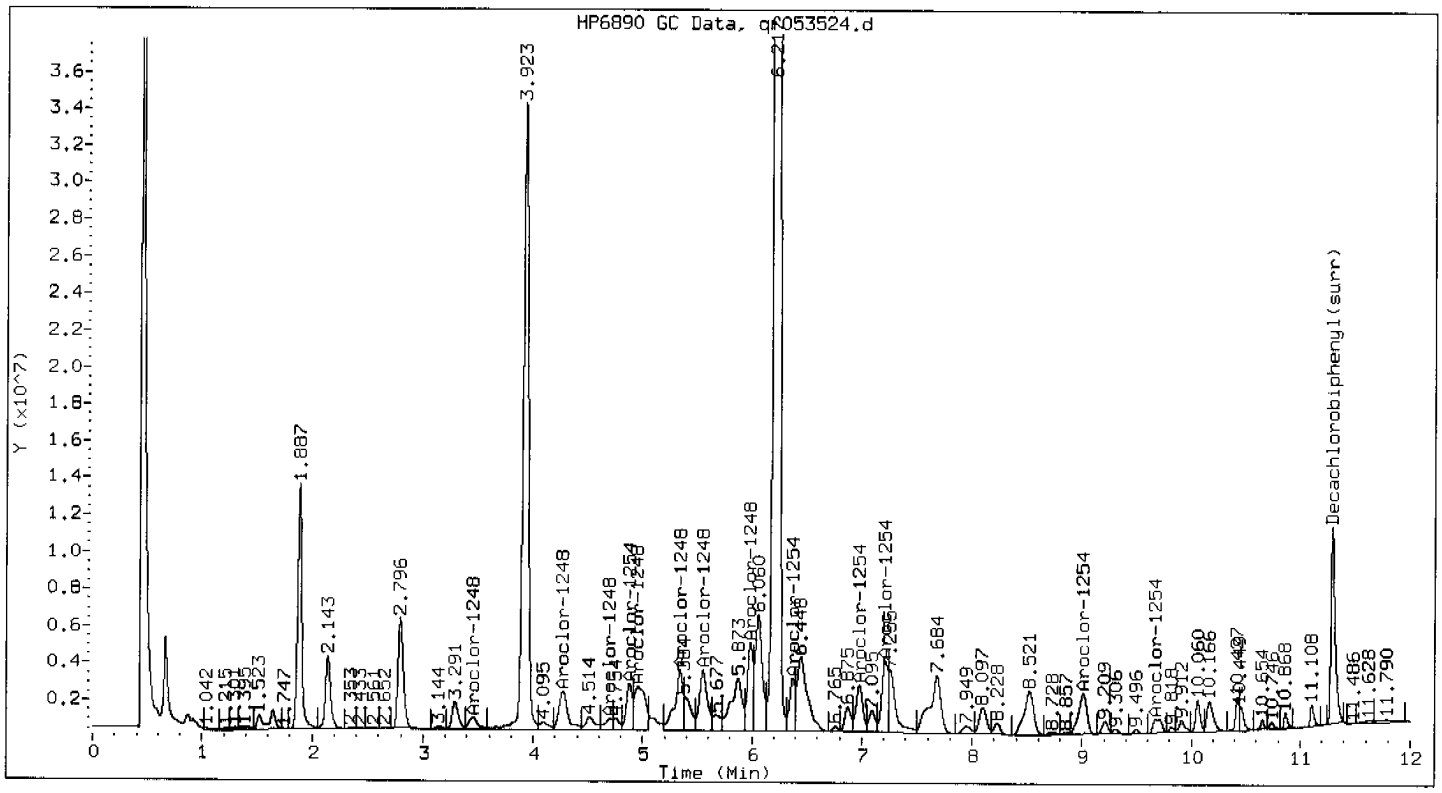
10/9/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	2.363	2.321	0.042	8134679	1403.014	1017.783
(2)		2.912	2.891	0.021	10254714	588.931	427.226
(3)		3.112	3.149	0.036	3595787	867.316	629.173
(4)		3.380	3.359	0.021	25040090	1047.727	760.048
(5)		3.736	3.716	0.020	16975737	1096.950	795.756
(6)		3.877	3.860	0.017	9800871	1147.255	832.249
(7)		4.304	4.285	0.019	7783060	923.398	669.857
(8)		4.814	4.796	0.018	19761754	1572.534	1140.757
Average of peak concentrations:							780.00
Aroclor-1254	(M)	4.378	4.363	0.015	6780392	438.809	318.324
(2)		------	4.433	------	------	------	------ (*)
(3)		------	4.753	------	------	------	------ (*)
(4)		5.259	5.242	0.017	8178189	566.003	410.594
(5)		5.456	5.441	0.015	15855345	645.172	468.024
(6)		5.904	5.891	0.013	12916007	642.246	465.902

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)		6.203	6.190	0.013	8258133	437.095	317.080
(8)		6.651	6.638	0.013	11873753	482.058	349.698
Average of peak concentrations:							390.00
Decachlorobiphenyl(surr)	(M)	10.360	10.356	0.004	27241756	95.061	68.960

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06d.b/05Qf8082.m
Sample Info : 775272;3280907
Lab ID : 775272
Inj Date : 06-OCT-2006 01:39
Operator : 615
Cpnd Sublist: PCB8082+

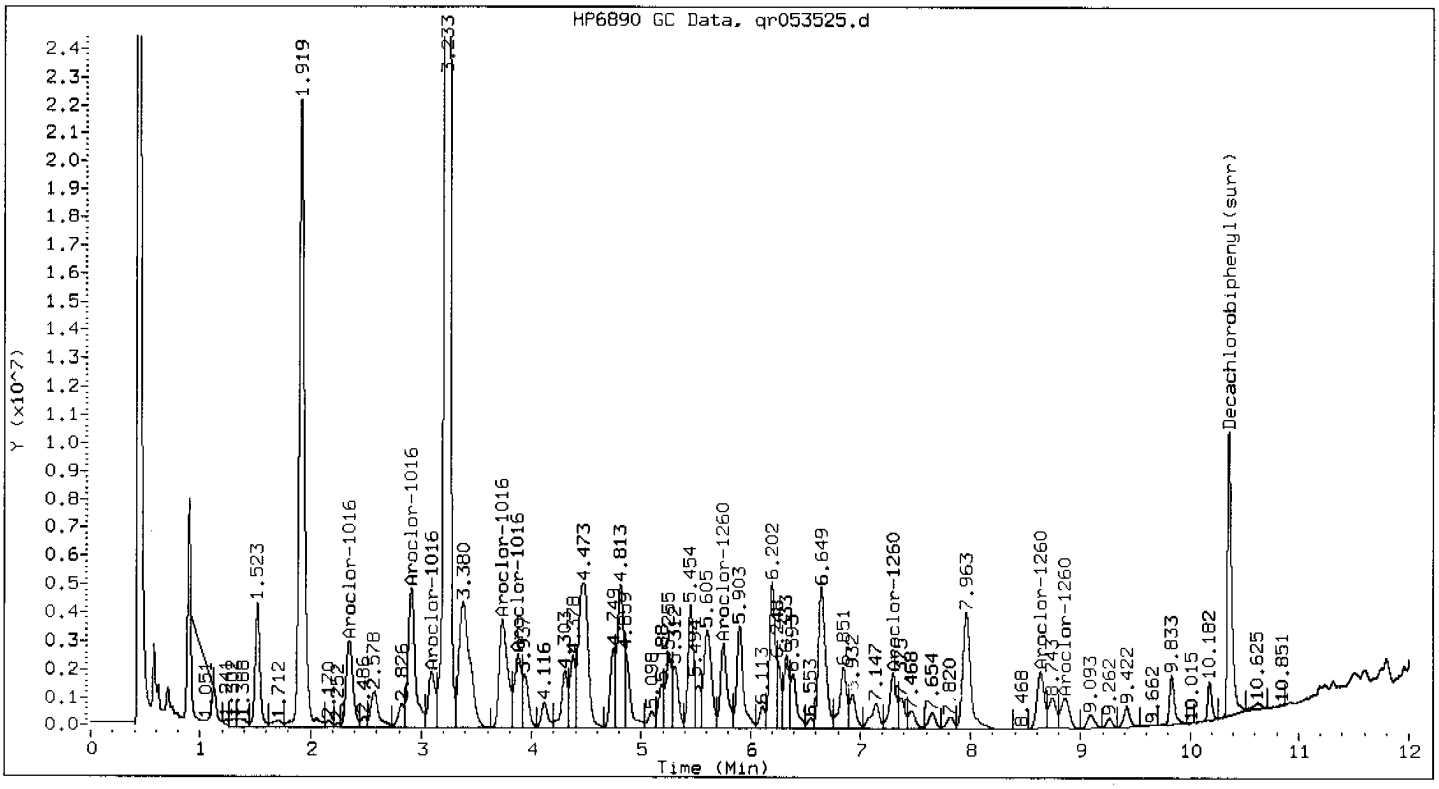
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	3.453	3.427	0.026	3754279	692.522	502.374
(2)		4.272	4.257	0.015	12276575	870.822	631.717
(3)		4.701	4.692	0.009	3248779	1310.724	950.834
(4)		4.956	4.942	0.014	16855684	2026.239	1469.887
(5)		5.342	5.335	0.006	17586850	1499.824	1088.012
(6)		5.551	5.545	0.006	16908331	1467.283	1064.405
(7)		5.988	5.982	0.006	17710515	1396.963	1013.394
(8)		------	6.055	------	------	------	------ (*)
Average of peak concentrations:							960.00
Aroclor-1254	(M)	4.879	4.871	0.008	9526944	926.074	671.799
(2)		------	6.048	------	------	------	------ (*)
(3)		6.375	6.369	0.006	10458474	649.699	471.309
(4)		6.981	6.979	0.002	10987186	970.142	703.766
(5)		7.214	7.205	0.009	14646456	587.876	426.460
(6)		------	8.462	------	------	------	------ (*)

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)		9.012	9.005	0.007	11495497	449.710	326.231
(8)		9.670	9.664	0.006	3849552	592.686	429.950
Average of peak concentrations:							500.00
Decachlorobiphenyl(surr)	(M)	11.293	11.311	0.017	27487437	117.035	84.900

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/05Qr8082.m
Sample Info : 775272MS;3282992
Lab ID : 775272MS
Inj Date : 06-OCT-2006 01:54
Operator : 615
Cpnd Sublist: PCB8082+

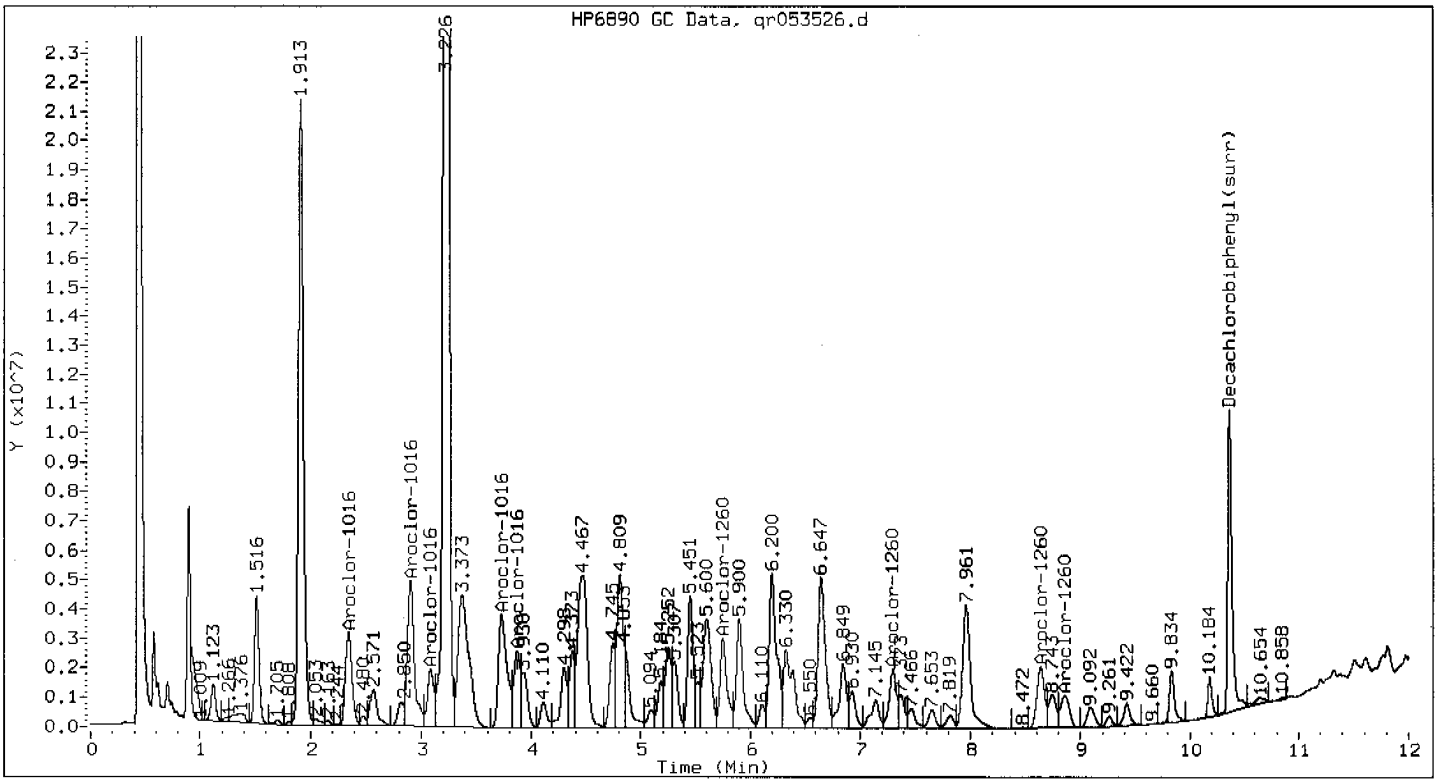
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: MS

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)	
Aroclor-1016	(M)	------	1.919	------	------	------	------	(*)
(2)		2.354	2.336	0.019	13449394	1005.075	729.108	
(3)		------	2.574	------	------	------	------	(*)
(4)		------	2.906	------	------	------	------	(*)
(5)		------	3.083	------	------	------	------	(*)
(6)		------	3.161	------	------	------	------	(*)
(7)		3.736	3.728	0.008	20495301	1685.823	1222.940	
(8)		3.878	3.874	0.004	11344976	2188.155	1587.345	
Average of peak concentrations:							1200.00	
Aroclor-1260	(M)	5.753	5.746	0.008	13323302	726.111	526.740	
(2)		------	6.193	------	------	------	------	(*)
(3)		------	6.640	------	------	------	------	(*)
(4)		------	6.841	------	------	------	------	(*)
(5)		7.301	7.291	0.010	8698959	555.964	403.311	
(6)		8.636	8.620	0.016	9755925	512.674	371.907	

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	8.858	8.845	0.014	5943099	575.707	417.633
(8)	------	9.822	------	------	------	------ (*)
Average of peak concentrations:						430.00
Decachlorobiphenyl(surr)	10.362	10.356	0.006	26893954	93.847	68.079

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06d.b/05Qr8082.m
Sample Info : 775272SD;3282993
Lab ID : 775272MSD
Inj Date : 06-OCT-2006 02:10
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: MSD

10/9/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)	
Aroclor-1016	(M)	------	1.919	------	------	------	------	(*)
(2)		2.348	2.336	0.012	13136516	981.693	712.146	
(3)		------	2.574	------	------	------	------	(*)
(4)		------	2.906	------	------	------	------	(*)
(5)		------	3.083	------	------	------	------	(*)
(6)		------	3.161	------	------	------	------	(*)
(7)		3.730	3.728	0.002	20912857	1720.168	1247.855	
(8)		3.871	3.874	0.003	11448242	2208.072	1601.793	
Average of peak concentrations:							1200.00	
Aroclor-1260	(M)	5.750	5.746	0.005	13661040	744.518	540.093	
(2)		------	6.193	------	------	------	------	(*)
(3)		------	6.640	------	------	------	------	(*)
(4)		------	6.841	------	------	------	------	(*)
(5)		7.299	7.291	0.008	8916224	569.850	413.384	
(6)		8.635	8.620	0.016	10082764	529.850	384.367	

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	8.859	8.845	0.014	6236199	604.099	438.229
(8)	------	9.822	------	------	------	------ (*)
Average of peak concentrations:						440.00
Decachlorobiphenyl(surr)	10.364	10.356	0.008	28028509	97.806	70.951

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06e.b/qr053528.d
Method: /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06e.b/05Qr8082.m

Sample Information: 1660-1000 e
Injection Date: 06-OCT-2006 02:40

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.915	1000	1168.11	16.81<-
Aroclor-1016	2	2.332	1000	1131.95	13.19
Aroclor-1016	3	2.571	1000	1166.23	16.62<-
Aroclor-1016	4	2.902	1000	0.00	100.00*
Aroclor-1016	5	3.080	1000	0.00	100.00*
Aroclor-1016	6	3.159	1000	1186.20	18.62<-
Aroclor-1016	7	3.727	1000	1060.14	6.01
Aroclor-1016	8	3.872	1000	1087.47	8.75
Aroclor-1260	1	5.748	1000	861.73	13.83
Aroclor-1260	2	6.197	1000	828.27	17.17<-
Aroclor-1260	3	6.643	1000	819.03	18.10<-
Aroclor-1260	4	6.846	1000	839.66	16.03<-
Aroclor-1260	5	7.296	1000	854.21	14.58
Aroclor-1260	6	8.628	1000	932.31	6.77
Aroclor-1260	7	8.853	1000	990.24	0.98
Aroclor-1260	8	9.828	1000	837.64	16.24<-

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.515	100	106.15	6.15
Decachlorobiphenyl(sur	10.357	100	81.09	18.91<-

* Multicomponent peak not used in calibration.

10/8/06

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Oct06/10-05-06/05oct06e.b/qr053528.d
Injection Date: 06-OCT-2006 02:40

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.909	(1.839 - 1.979)	1.915	
	2.325	(2.255 - 2.395)	2.332	
	2.563	(2.493 - 2.633)	2.571	
	2.896	(2.826 - 2.966)	2.902	
	3.074	(3.004 - 3.144)	3.080	
	3.152	(3.082 - 3.222)	3.159	
	3.719	(3.649 - 3.789)	3.727	
	3.864	(3.794 - 3.934)	3.872	
Aroclor-1260	5.740	(5.670 - 5.810)	5.748	
	6.189	(6.119 - 6.259)	6.197	
	6.635	(6.565 - 6.705)	6.643	
	6.837	(6.767 - 6.907)	6.846	
	7.286	(7.216 - 7.356)	7.296	
	8.615	(8.545 - 8.685)	8.628	
	8.841	(8.771 - 8.911)	8.853	
	9.821	(9.751 - 9.891)	9.828	
Tetrachloro-m-xylene(surr)	1.509	(1.459 - 1.559)	1.515	
Decachlorobiphenyl(surr)	10.358	(10.258 - 10.458)	10.357	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06e.b/qf053528.d
Method: /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06e.b/05Qf8082.m

Sample Information: 1660-1000 e
Injection Date: 06-OCT-2006 02:40

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.821	1000	1058.55	5.85
Aroclor-1016	2	3.441	1000	1064.11	6.41
Aroclor-1016	3	3.887	1000	989.22	1.08
Aroclor-1016	4	4.271	1000	896.52	10.35
Aroclor-1016	5	4.519	1000	824.61	17.54<-
Aroclor-1016	6	4.878	1000	733.18	26.68<-
Aroclor-1016	7	5.342	1000	771.46	22.85<-
Aroclor-1016	8	5.551	1000	839.54	16.05<-
Aroclor-1260	1	7.617	1000	798.29	20.17<-
Aroclor-1260	2	8.098	1000	813.62	18.64<-
Aroclor-1260	3	9.007	1000	835.12	16.49<-
Aroclor-1260	4	9.206	1000	800.51	19.95<-
Aroclor-1260	5	9.309	1000	780.23	21.98<-
Aroclor-1260	6	9.715	1000	769.86	23.01<-
Aroclor-1260	7	10.431	1000	942.46	5.75
Aroclor-1260	8	10.872	1000	919.22	8.08

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.141	100	113.56	13.56
Decachlorobiphenyl(sur	11.301	100	101.84	1.84

GC ORGANICS RETENTTON TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Oct06/10-05-06/05oct06e.b/qf053528.d
Injection Date: 06-OCT-2006 02:40

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.808	(2.738 - 2.878)	2.821	
	3.426	(3.356 - 3.496)	3.441	
	3.872	(3.802 - 3.942)	3.887	
	4.254	(4.184 - 4.324)	4.271	
	4.504	(4.434 - 4.574)	4.519	
	4.935	(4.865 - 5.005)	4.878	
	5.329	(5.259 - 5.399)	5.342	
	5.539	(5.469 - 5.609)	5.551	
Aroclor-1260	7.603	(7.533 - 7.673)	7.617	
	8.083	(8.013 - 8.153)	8.098	
	8.994	(8.924 - 9.064)	9.007	
	9.194	(9.124 - 9.264)	9.206	
	9.299	(9.229 - 9.369)	9.309	
	9.706	(9.636 - 9.776)	9.715	
	10.433	(10.363 - 10.503)	10.431	
	10.885	(10.815 - 10.955)	10.872	
Tetrachloro-m-xylene(surr)	2.128	(2.078 - 2.178)	2.141	
Decachlorobiphenyl(surr)	11.327	(11.227 - 11.427)	11.301	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/qr053550.d
Method: /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m

Sample Information: 1660-1000a
Injection Date: 06-OCT-2006 11:59

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.910	1000	1062.38	6.24
Aroclor-1016	2	2.328	1000	1015.80	1.58
Aroclor-1016	3	2.566	1000	1049.16	4.92
Aroclor-1016	4	2.899	1000	0.00	100.00*
Aroclor-1016	5	3.075	1000	0.00	100.00*
Aroclor-1016	6	3.154	1000	1022.19	2.22
Aroclor-1016	7	3.720	1000	976.81	2.32
Aroclor-1016	8	3.865	1000	1120.48	12.05
Aroclor-1260	1	5.740	1000	973.12	2.69
Aroclor-1260	2	6.189	1000	949.39	5.06
Aroclor-1260	3	6.635	1000	961.12	3.89
Aroclor-1260	4	6.837	1000	983.70	1.63
Aroclor-1260	5	7.285	1000	972.55	2.75
Aroclor-1260	6	8.615	1000	974.00	2.60
Aroclor-1260	7	8.841	1000	1026.02	2.60
Aroclor-1260	8	9.820	1000	962.95	3.71

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.510	100	92.58	7.42
Decachlorobiphenyl(sur	10.358	100	85.94	14.06

* Multicomponent peak not used in calibration.

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/qr053550.d
Injection Date: 06-OCT-2006 11:59

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.909	(1.839 - 1.979)	1.910	
	2.325	(2.255 - 2.395)	2.328	
	2.563	(2.493 - 2.633)	2.566	
	2.896	(2.826 - 2.966)	2.899	
	3.074	(3.004 - 3.144)	3.075	
	3.152	(3.082 - 3.222)	3.154	
	3.719	(3.649 - 3.789)	3.720	
	3.864	(3.794 - 3.934)	3.865	
Aroclor-1260	5.740	(5.670 - 5.810)	5.740	
	6.189	(6.119 - 6.259)	6.189	
	6.635	(6.565 - 6.705)	6.635	
	6.837	(6.767 - 6.907)	6.837	
	7.286	(7.216 - 7.356)	7.285	
	8.615	(8.545 - 8.685)	8.615	
	8.841	(8.771 - 8.911)	8.841	
	9.821	(9.751 - 9.891)	9.820	
Tetrachloro-m-xylene(surr)	1.509	(1.459 - 1.559)	1.510	
Decachlorobiphenyl(surr)	10.358	(10.258 - 10.458)	10.358	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06a.b/qf053550.d
Method: /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06a.b/05Qf8082.m

Sample Information: 1660-1000a
Injection Date: 06-OCT-2006 11:59

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.818	1000	1001.75	0.18
Aroclor-1016	2	3.439	1000	1066.71	6.67
Aroclor-1016	3	3.883	1000	1043.17	4.32
Aroclor-1016	4	4.266	1000	982.74	1.73
Aroclor-1016	5	4.513	1000	955.33	4.47
Aroclor-1016	6	4.873	1000	867.28	13.27
Aroclor-1016	7	5.336	1000	981.36	1.86
Aroclor-1016	8	5.545	1000	1046.83	4.68
Aroclor-1260	1	7.608	1000	914.85	8.51
Aroclor-1260	2	8.087	1000	912.89	8.71
Aroclor-1260	3	8.998	1000	977.54	2.25
Aroclor-1260	4	9.198	1000	986.83	1.32
Aroclor-1260	5	9.300	1000	1019.27	1.93
Aroclor-1260	6	9.707	1000	939.26	6.07
Aroclor-1260	7	10.434	1000	1022.01	2.20
Aroclor-1260	8	10.887	1000	1002.21	0.22

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.138	100	103.72	3.72
Decachlorobiphenyl(sur	11.330	100	94.24	5.76

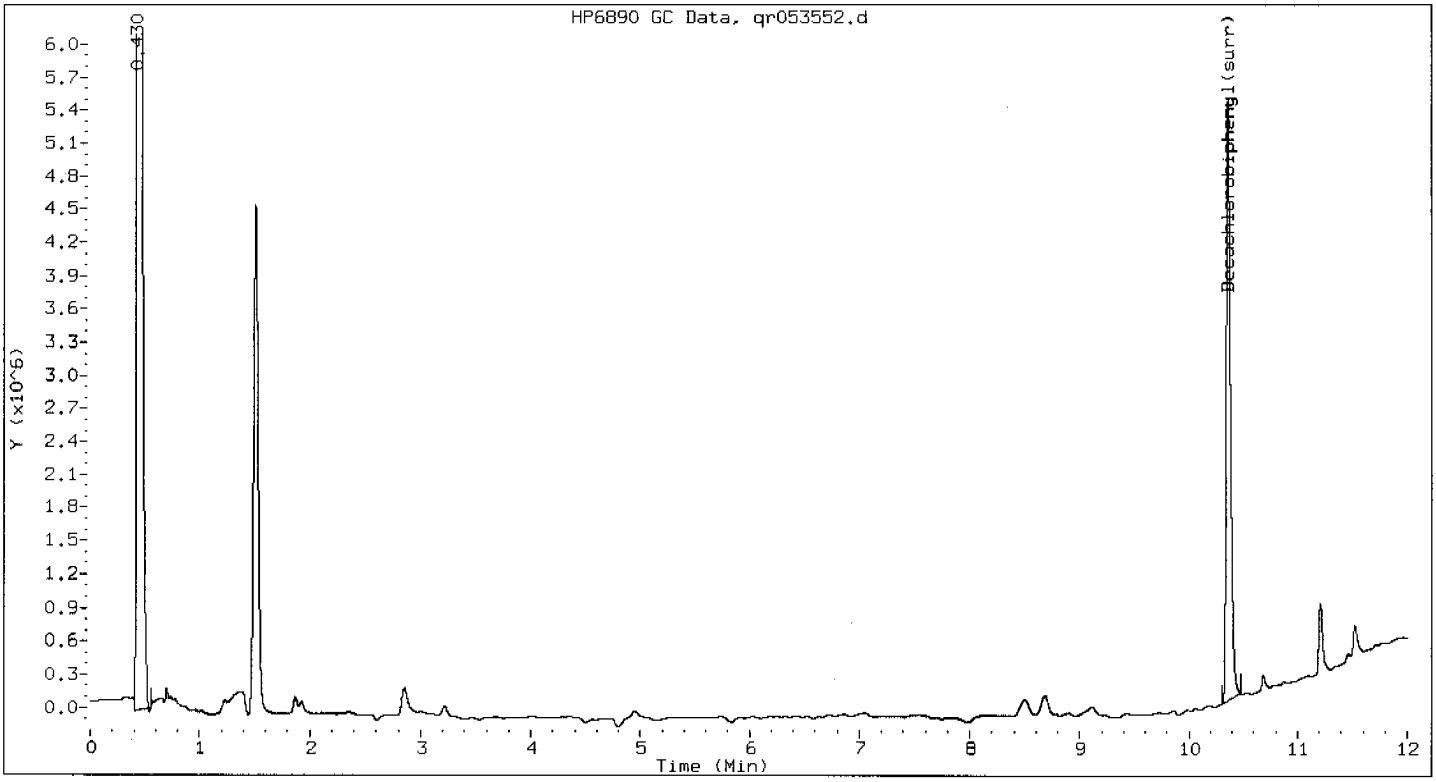
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06a.b/qf053550.d
Injection Date: 06-OCT-2006 11:59

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.808	(2.738 - 2.878)	2.818	
	3.426	(3.356 - 3.496)	3.439	
	3.872	(3.802 - 3.942)	3.883	
	4.254	(4.184 - 4.324)	4.266	
	4.504	(4.434 - 4.574)	4.513	
	4.935	(4.865 - 5.005)	4.873	
	5.329	(5.259 - 5.399)	5.336	
	5.539	(5.469 - 5.609)	5.545	
Aroclor-1260	7.603	(7.533 - 7.673)	7.608	
	8.083	(8.013 - 8.153)	8.087	
	8.994	(8.924 - 9.064)	8.998	
	9.194	(9.124 - 9.264)	9.198	
	9.299	(9.229 - 9.369)	9.300	
	9.706	(9.636 - 9.776)	9.707	
	10.433	(10.363 - 10.503)	10.434	
	10.885	(10.815 - 10.955)	10.887	
Tetrachloro-m-xylene(surr)	2.128	(2.078 - 2.178)	2.138	
Decachlorobiphenyl(surr)	11.327	(11.227 - 11.427)	11.330	



Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m
Sample Info : 775273;3280925
Lab ID : 775273
Inj Date : 06-OCT-2006 13:04
Operator : 615
Cpnd Sublist: PCB8082+

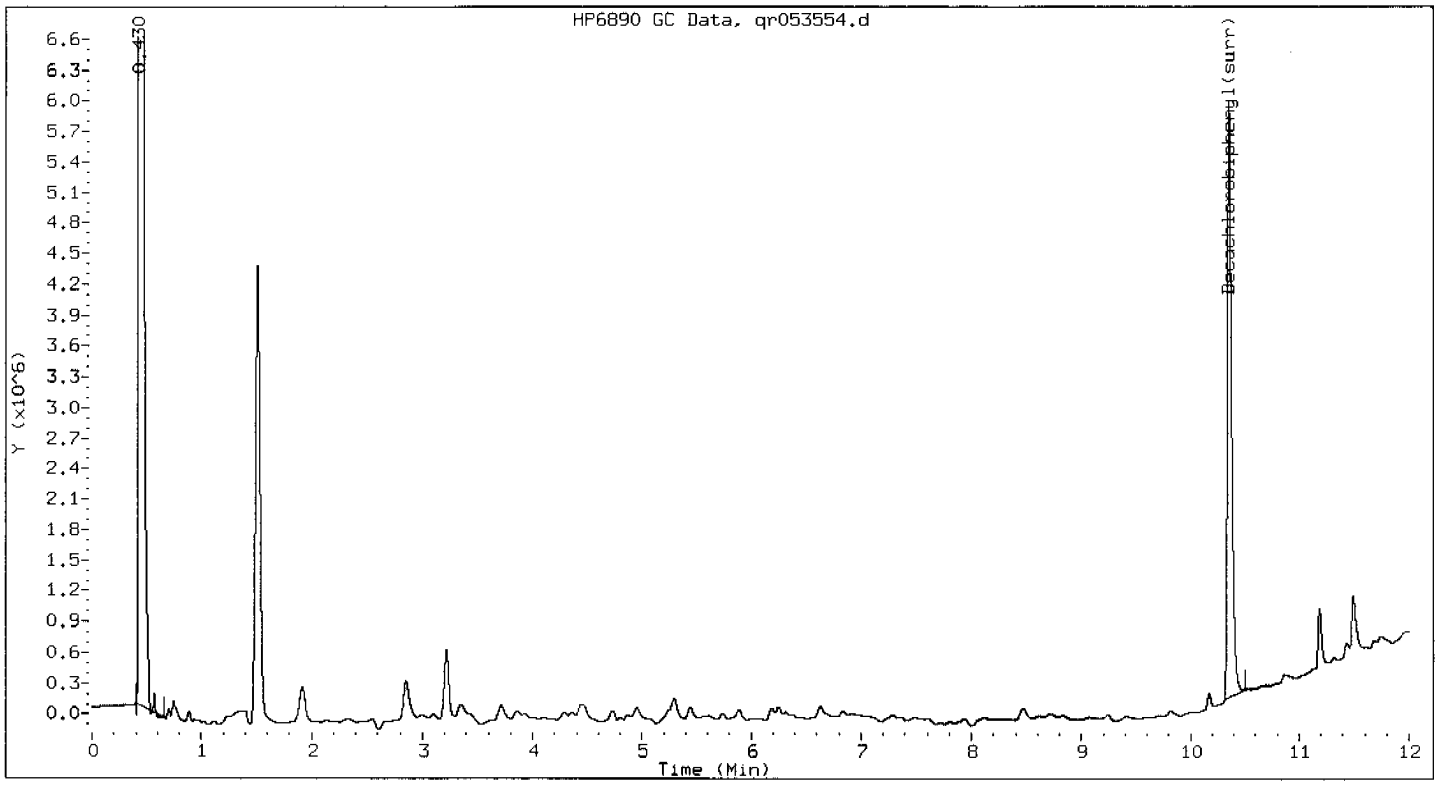
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

10/8/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.361	10.358	0.003	14356658	50.098	39.108

COMMENTS:

M - Compound response manually integrated.



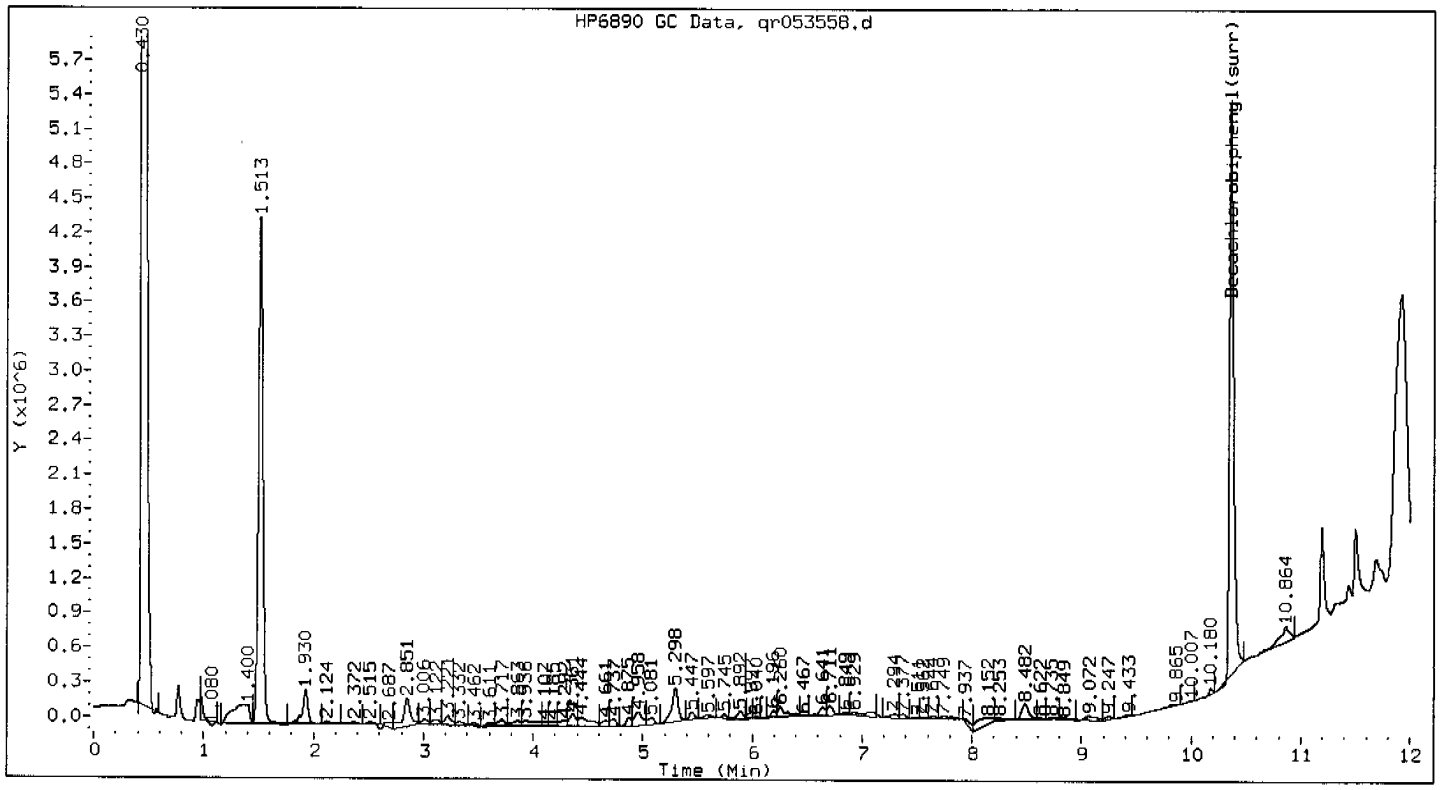
Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m
Sample Info : 775279;3281024
Lab ID : 775279
Inj Date : 06-OCT-2006 13:34
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.356	10.358	0.002	15494536	54.069	42.557

COMMENTS:

M - Compound response manually integrated.

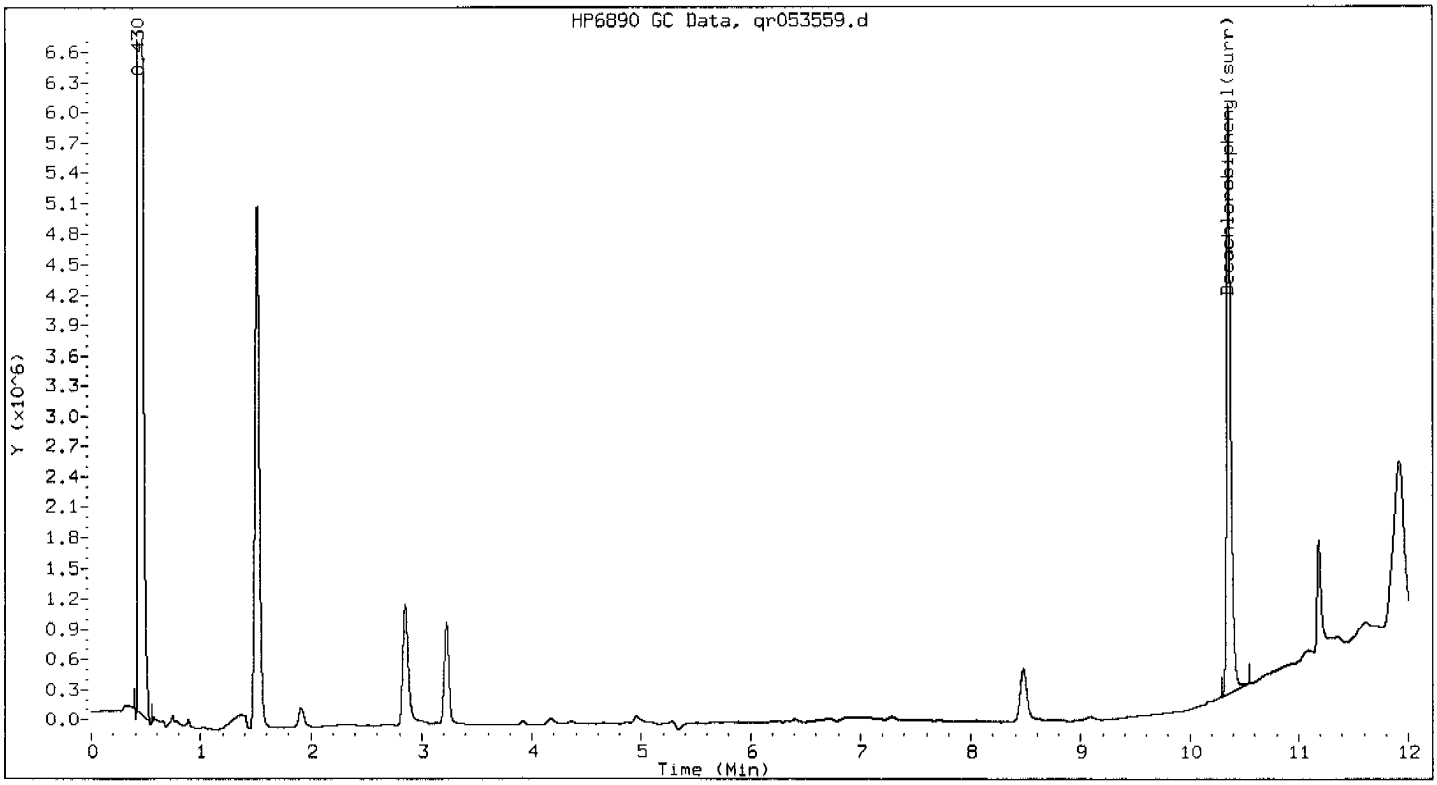


Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m
Sample Info : 775285;3281126
Lab ID : 775285
Inj Date : 06-OCT-2006 14:35
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

10/8/06

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	10.361	10.358	0.003	12946892	45.178	33.354



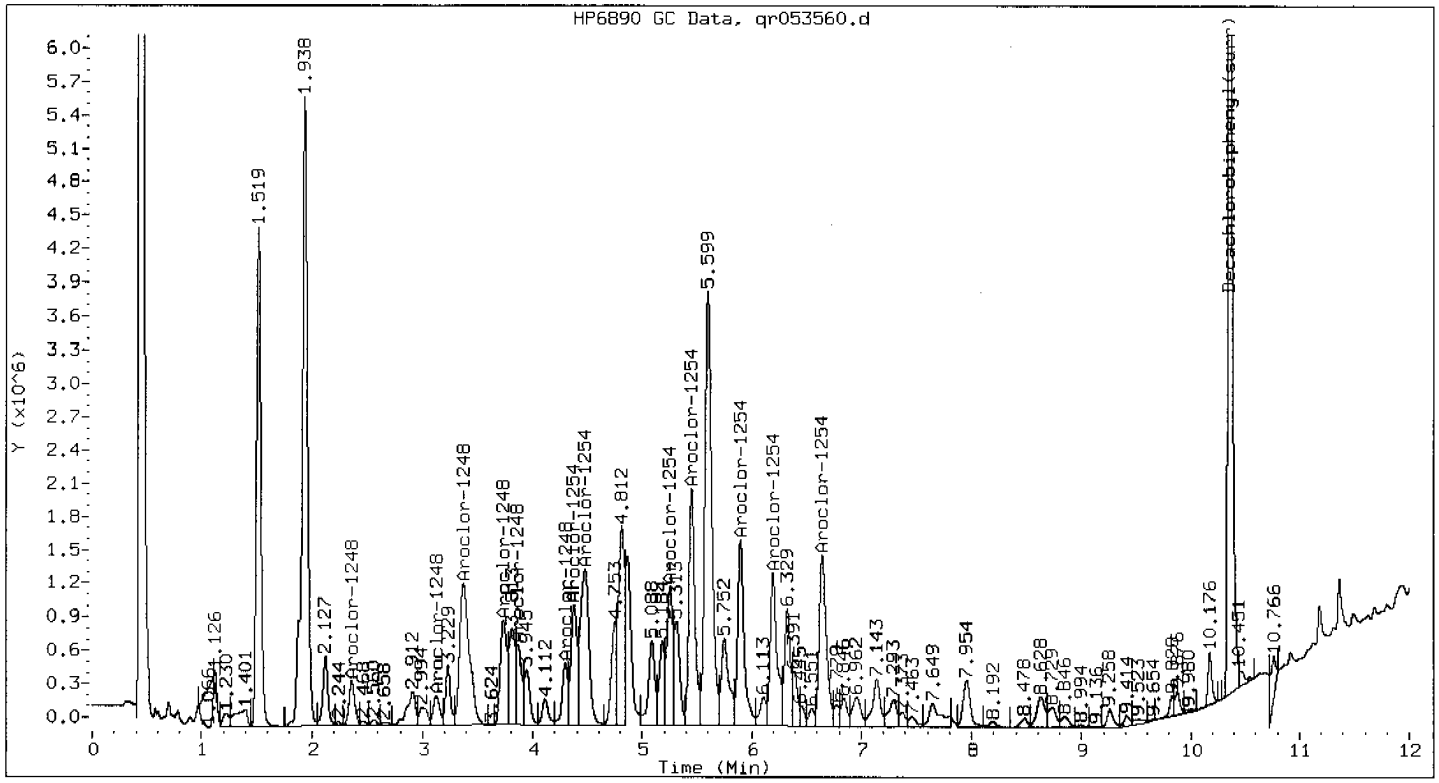
Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m
Sample Info : 775286;3281143
Lab ID : 775286
Inj Date : 06-OCT-2006 14:52
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.358	10.358	0.000	15000040	52.343	38.473

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m
Sample Info : 775288;3281177
Lab ID : 775288
Inj Date : 06-OCT-2006 15:07
Operator : 615
Cpnd Sublist: PCB8082+

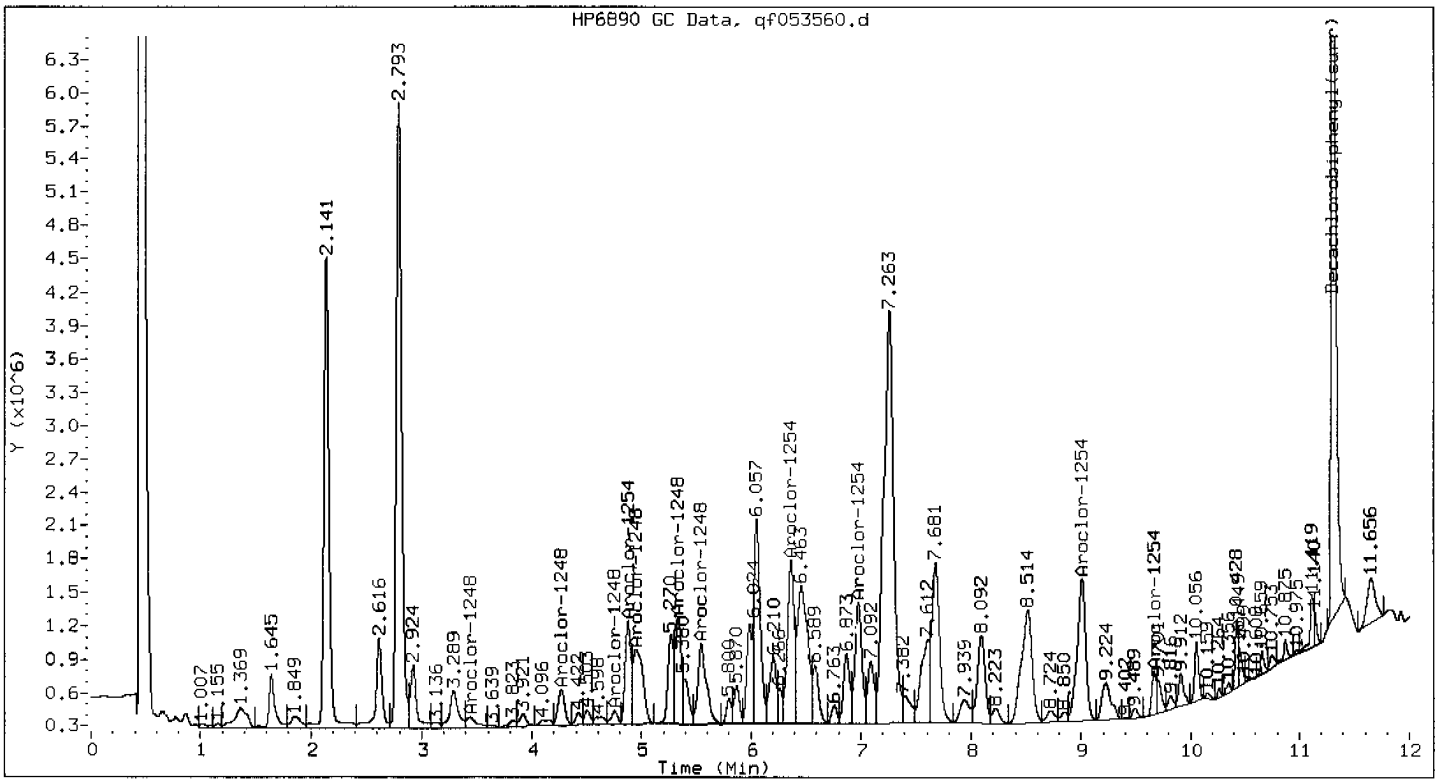
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	2.363	2.321	0.041	1409991	243.186	185.073
(2)		------	2.891	------	------	------	------ (*)
(3)		3.125	3.149	0.024	1086473	262.061	199.437
(4)		3.373	3.359	0.014	7871099	329.342	250.641
(5)		3.733	3.716	0.016	3811902	246.320	187.458
(6)		3.865	3.860	0.006	2246303	262.944	200.110
(7)		4.296	4.285	0.011	2001617	237.476	180.728
(8)		------	4.796	------	------	------	------ (*)
Average of peak concentrations:							200.00
Aroclor-1254	(M)	4.375	4.363	0.012	4061125	262.825	200.019
(2)		4.478	4.433	0.044	7791779	724.281	551.203
(3)		------	4.753	------	------	------	------ (*)
(4)		5.254	5.242	0.013	4461617	308.784	234.995
(5)		5.453	5.441	0.012	8244952	335.496	255.324
(6)		5.900	5.891	0.009	6935102	344.846	262.440

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)		6.199	6.190	0.009	5981431	316.591	240.937
(8)		6.647	6.638	0.009	7063434	286.766	218.239
Average of peak concentrations:							280.00
Decachlorobiphenyl(surr)	(M)	10.358	10.358	0.000	22698867	79.208	60.280

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06a.b/05Qf8082.m
Sample Info : 775288;3281177
Lab ID : 775288
Inj Date : 06-OCT-2006 15:07
Operator : 615
Cpnd Sublist: PCB8082+

10/9/06

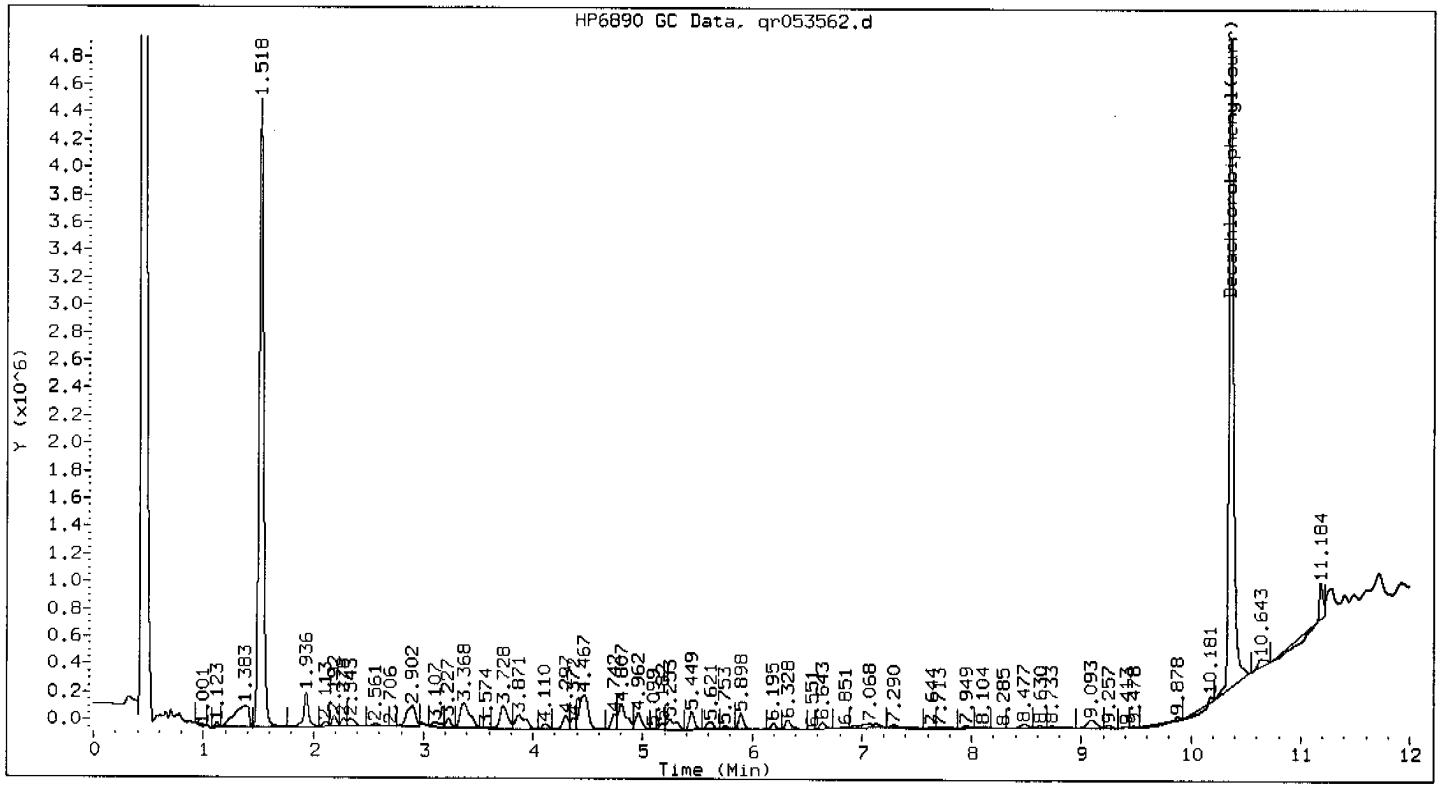
Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)	
Aroclor-1248	(M)	3.441	3.427	0.014	639217	117.911	89.735	
(2)		4.267	4.257	0.010	1424291	101.030	76.887	
(3)		4.755	4.692	0.063	491685	198.371	150.967	
(4)		4.951	4.942	0.009	4213450	506.503	385.467	
(5)		5.336	5.335	0.001	3780272	322.385	245.347	
(6)		5.546	5.545	0.001	3933005	341.301	259.742	
(7)		------	5.982	------	------	------	------	(*)
(8)		------	6.055	------	------	------	------	(*)
Average of peak concentrations:							200.00	
Aroclor-1254	(M)	4.877	4.871	0.006	3441582	334.542	254.598	
(2)		------	6.048	------	------	------	------	(*)
(3)		6.370	6.369	0.001	6375702	396.070	301.423	
(4)		6.980	6.979	0.001	4772516	421.402	320.701	
(5)		------	7.205	------	------	------	------	(*)
(6)		------	8.462	------	------	------	------	(*)

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)		9.008	9.005	0.003	6863546	268.506	204.342
(8)		9.667	9.664	0.003	1149322	176.952	134.667
Average of peak concentrations:							240.00
Decachlorobiphenyl(surr)	(M)	11.309	11.330	0.021	21685263	92.331	70.267

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

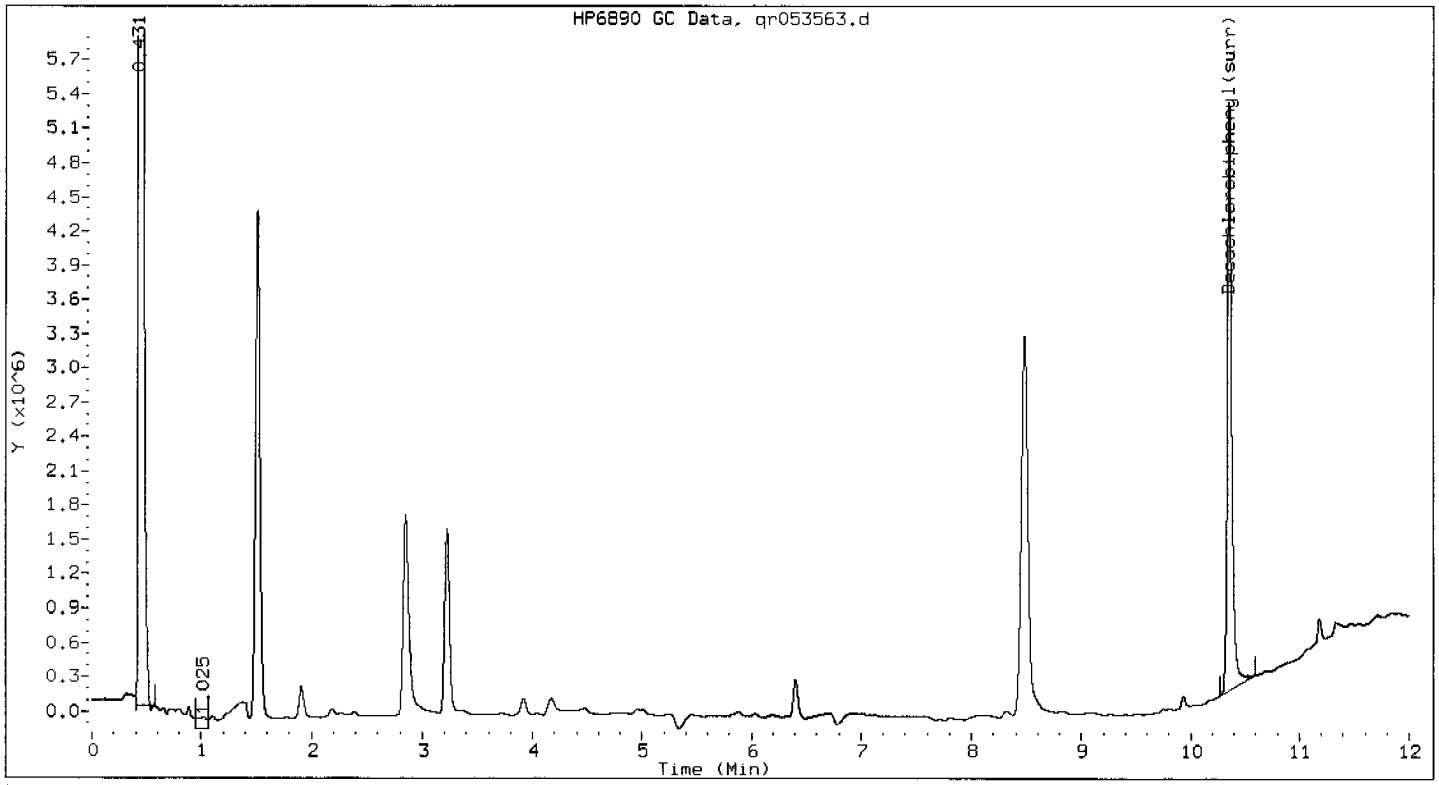


Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m
Sample Info : 775291;3281228
Lab ID : 775291
Inj Date : 06-OCT-2006 15:36
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

10/8/06

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	10.358	10.358	0.000	14052676	49.037	35.885



Method : /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06a.b/05Qr8082.m
Sample Info : 775292;3281245
Lab ID : 775292
Inj Date : 06-OCT-2006 15:51
Operator : 615
Cpnd Sublist: PCB8082+

Inst ID : PESTGC8.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

10/8/06

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M)	10.357	10.358	0.000	14301049	49.904	38.417

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06b.b/qr053569.d
Method: /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06b.b/05Qr8082.m

Sample Information: 1660-1000b
Injection Date: 06-OCT-2006 17:22

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	1.921	1000	1108.32	10.83
Aroclor-1016	2	2.338	1000	1091.61	9.16
Aroclor-1016	3	2.577	1000	1123.35	12.34
Aroclor-1016	4	2.909	1000	0.00	100.00*
Aroclor-1016	5	3.086	1000	0.00	100.00*
Aroclor-1016	6	3.165	1000	1140.82	14.08
Aroclor-1016	7	3.733	1000	1052.47	5.25
Aroclor-1016	8	3.879	1000	1037.61	3.76
Aroclor-1260	1	5.752	1000	970.39	2.96
Aroclor-1260	2	6.200	1000	926.61	7.34
Aroclor-1260	3	6.647	1000	905.66	9.43
Aroclor-1260	4	6.849	1000	917.85	8.21
Aroclor-1260	5	7.299	1000	933.93	6.61
Aroclor-1260	6	8.632	1000	970.66	2.93
Aroclor-1260	7	8.855	1000	1011.23	1.12
Aroclor-1260	8	9.828	1000	946.86	5.31

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.520	100	100.18	0.18
Decachlorobiphenyl(sur	10.359	100	88.94	11.06

* Multicomponent peak not used in calibration.

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/rear/Sep06/09-22-06aical/22sep06a.b/qr053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/rear/Oct06/10-06-06/06oct06b.b/qr053569.d
Injection Date: 06-OCT-2006 17:22

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	1.909	(1.839 - 1.979)	1.921	
	2.325	(2.255 - 2.395)	2.338	
	2.563	(2.493 - 2.633)	2.577	
	2.896	(2.826 - 2.966)	2.909	
	3.074	(3.004 - 3.144)	3.086	
	3.152	(3.082 - 3.222)	3.165	
	3.719	(3.649 - 3.789)	3.733	
	3.864	(3.794 - 3.934)	3.879	
Aroclor-1260	5.740	(5.670 - 5.810)	5.752	
	6.189	(6.119 - 6.259)	6.200	
	6.635	(6.565 - 6.705)	6.647	
	6.837	(6.767 - 6.907)	6.849	
	7.286	(7.216 - 7.356)	7.299	
	8.615	(8.545 - 8.685)	8.632	
	8.841	(8.771 - 8.911)	8.855	
	9.821	(9.751 - 9.891)	9.828	
Tetrachloro-m-xylene(surr)	1.509	(1.459 - 1.559)	1.520	
Decachlorobiphenyl(surr)	10.358	(10.258 - 10.458)	10.359	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06b.b/qf053569.d
Method: /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06b.b/05Qf8082.m

Sample Information: 1660-1000b
Injection Date: 06-OCT-2006 17:22

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.821	1000	1061.95	6.19
Aroclor-1016	2	3.440	1000	1131.47	13.15
Aroclor-1016	3	3.886	1000	1126.09	12.61
Aroclor-1016	4	4.269	1000	1036.93	3.69
Aroclor-1016	5	4.517	1000	997.52	0.25
Aroclor-1016	6	4.876	1000	875.31	12.47
Aroclor-1016	7	5.339	1000	879.06	12.09
Aroclor-1016	8	5.548	1000	931.35	6.86
Aroclor-1260	1	7.613	1000	926.95	7.30
Aroclor-1260	2	8.093	1000	923.37	7.66
Aroclor-1260	3	9.003	1000	992.41	0.76
Aroclor-1260	4	9.203	1000	956.81	4.32
Aroclor-1260	5	9.306	1000	953.93	4.61
Aroclor-1260	6	9.712	1000	926.66	7.33
Aroclor-1260	7	10.433	1000	952.05	4.79
Aroclor-1260	8	10.879	1000	987.47	1.25

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.141	100	103.09	3.09
Decachlorobiphenyl(sur	11.315	100	100.66	0.66

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC8.i

Midpoint Calibration File: /chem1/PESTGC8.i/8082/front/Sep06/09-22-06aical/22sep06a.b/qf053087.d
Injection Date: 22-SEP-2006 09:36

Continuing Calibration File: /chem1/PESTGC8.i/8082/front/Oct06/10-06-06/06oct06b.b/qf053569.d
Injection Date: 06-OCT-2006 17:22

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.808	(2.738 - 2.878)	2.821	
	3.426	(3.356 - 3.496)	3.440	
	3.872	(3.802 - 3.942)	3.886	
	4.254	(4.184 - 4.324)	4.269	
	4.504	(4.434 - 4.574)	4.517	
	4.935	(4.865 - 5.005)	4.876	
	5.329	(5.259 - 5.399)	5.339	
	5.539	(5.469 - 5.609)	5.548	
Aroclor-1260	7.603	(7.533 - 7.673)	7.613	
	8.083	(8.013 - 8.153)	8.093	
	8.994	(8.924 - 9.064)	9.003	
	9.194	(9.124 - 9.264)	9.203	
	9.299	(9.229 - 9.369)	9.306	
	9.706	(9.636 - 9.776)	9.712	
	10.433	(10.363 - 10.503)	10.433	
	10.885	(10.815 - 10.955)	10.879	
Tetrachloro-m-xylene(surr)	2.128	(2.078 - 2.178)	2.141	
Decachlorobiphenyl(surr)	11.327	(11.227 - 11.427)	11.315	

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Calibration Files:

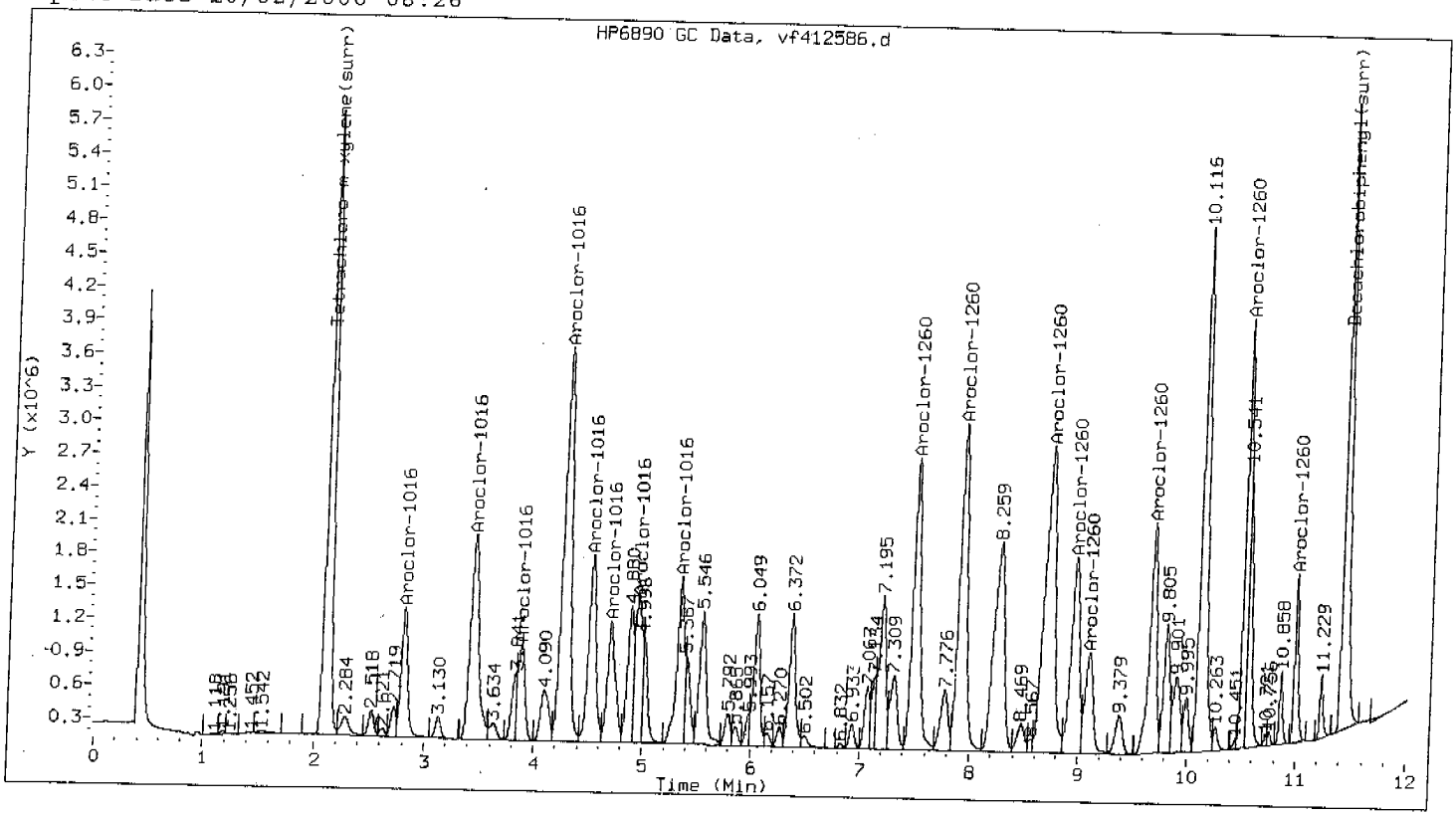
/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412590.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412589.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412586.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412588.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412587.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	Coefficients a1	Coefficients a2	%RSD or R^2	
Aroclor-1016	1	7813.58	7346.88	6777.44	5578.16	5411.32		6585.48		16.13852	
	2	13100.14	12856.03	11597.81	8691.52	8844.41		11017.98		19.35293	
	3	7580.28	8120.43	7498.94	5559.67	5828.09		6917.48		16.56935	
	4	25046.84	26340.48	23652.46	17868.18	18399.89		22261.57		17.47636	
	5	10480.12	11115.38	10423.48	7998.75	8321.65		9667.87		14.55853	
	6	--------	--------	--------	--------	--------					+
	7	10644.10	11026.14	10909.10	8518.43	9121.95		10043.94		11.40700	
	8	4234.76	4904.11	5078.93	3947.01	4243.50		4481.66		10.80938	
Aroclor-1260	1	17659.89	16967.91	15641.37	12292.84	12901.53		15092.71		15.90459	
	2	31884.52	29909.40	27491.27	21860.19	22856.97		26800.47		16.25868	
	3	26849.15	27021.76	25609.05	20672.38	21897.72		24410.01		12.02949	
	4	14760.79	14444.29	13387.88	10726.22	11322.36		12928.31		14.10207	
	5	14176.15	13834.43	13202.86	10687.03	11295.10		12639.11		12.33736	
	6	14273.06	16115.31	15505.53	12661.61	13350.46		14381.19		10.01788	
	7	8306.81	10001.88	9484.30	7924.88	8381.66		8819.91		9.97309	
	8	6813.62	8064.59	7370.17	6199.57	6407.21		6971.03		10.86117	
Tetrachloro-m-xylene(surr)		236938.68	268248.06	259180.21	238903.84	224271.95		245508.55		7.26368	
Decachlorobiphenyl(surr)		252472.68	258180.54	220157.04	209050.03	193998.87		226771.83		12.23434	

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1660-1000A
Lab ID : 1660-1000A
Inj Date : 02-OCT-2006 04:46
Operator :
Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	2.805	2.805	0.000	4790707	1056.873	1056.873
(2)		3.436	3.436	0.000	10080384	1073.928	1073.928
(3)		3.879	3.879	0.000	3820977	1053.515	1053.515
(4)		4.268	4.268	0.000	18529188	1055.578	1055.578
(5)		4.515	4.515	0.000	8151603	1020.300	1020.300
(6)		4.696	4.696	0.000	5719830	1043.496	1043.496
(7)		4.947	4.947	0.000	5729033	1106.314	1106.314
(8)		5.337	5.337	0.000	6746424	1065.850	1065.850
Average of peak concentrations:							1000.00
Aroclor-1260	(M)	7.490	7.490	0.000	12737644	1040.021	1040.021
(2)		7.911	7.911	0.000	14368699	1040.885	1040.885
(3)		8.717	8.717	0.000	19176139	1054.630	1054.630
(4)		8.954	8.954	0.000	9444999	1046.562	1046.562
(5)		9.093	9.093	0.000	4753806	1052.623	1052.623
(6)		9.670	9.670	0.000	9637095	1042.771	1042.771

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	10.514	10.514	0.000	10094658	1031.329	1031.329
(8)	10.988	10.988	0.000	3647074	1029.291	1029.291
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	2.104	2.104	0.000	19541819	103.676	103.676
Decachlorobiphenyl(surr)	11.415	11.415	0.000	15739322	99.460	99.460

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Calibration Files:

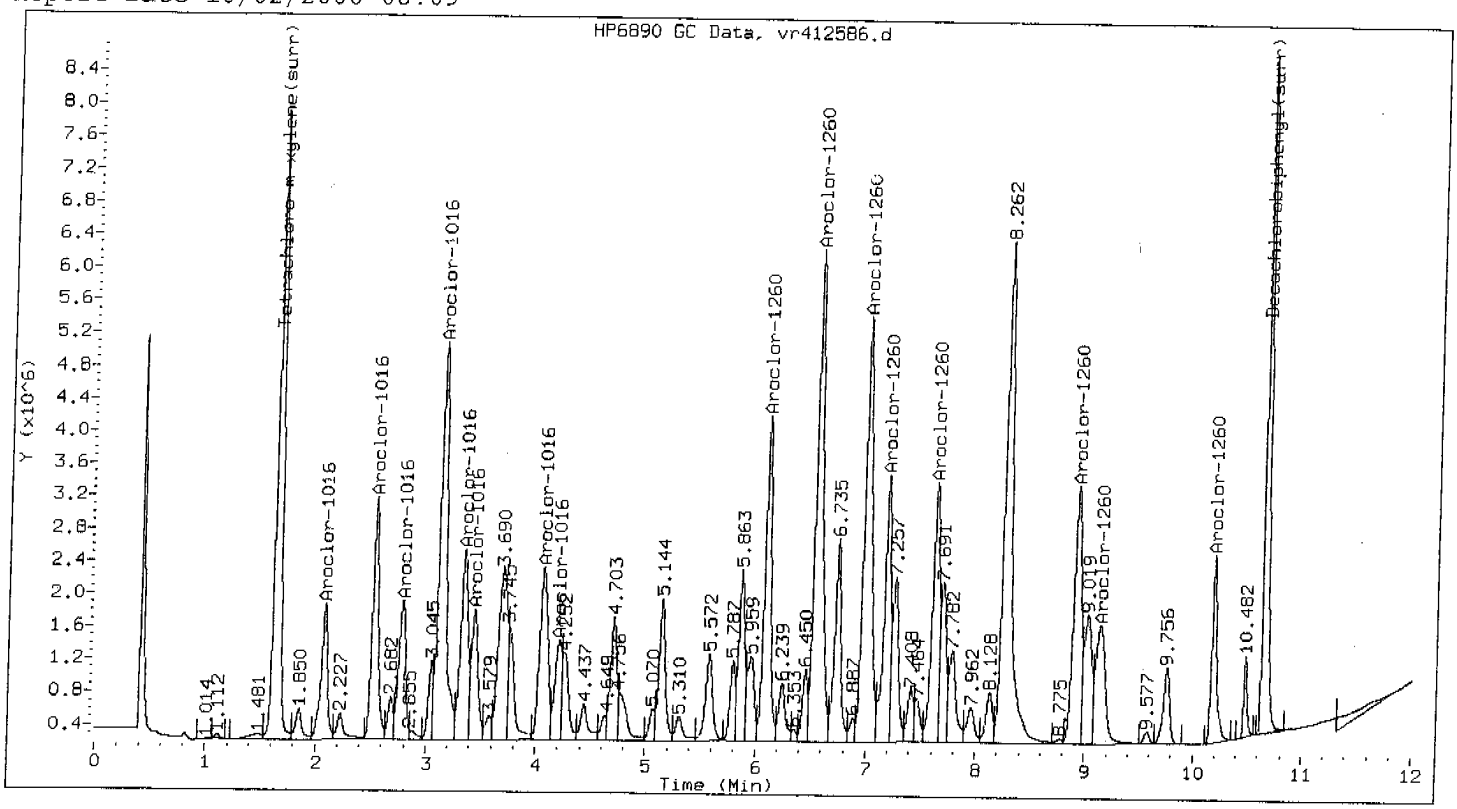
/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412590.d
/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412589.d
/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412586.d
/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412588.d
/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412587.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	a1	a2	%RSD or R^2
Aroclor-1016	1	4775.62	5231.77	4790.71	3855.93	4010.51		4532.91		12.79236
	2	9497.75	11089.31	10080.38	7945.54	8319.31		9386.46		13.69383
	3	3702.86	4017.84	3820.98	3143.86	3448.89		3626.88		9.36318
	4	18138.07	19668.72	18529.19	15214.59	16217.42		17553.60		10.27939
	5	8952.22	8615.08	8151.60	6835.56	7392.63		7989.42		10.89784
	6	5562.67	5779.92	5719.83	4862.36	5482.27		5481.41		6.67684
	7	5091.12	5826.99	5729.03	4447.48	4797.82		5178.49		11.46741
	8	6645.41	7459.41	6746.42	5219.96	5576.88		6329.62		14.45355
Aroclor-1260	1	12712.53	13589.60	12737.64	10768.40	11429.28		12247.49		9.23302
	2	14250.86	15240.03	14368.70	12172.94	12989.05		13804.32		8.80186
	3	17492.58	19693.30	19176.14	16482.78	18069.24		18182.81		7.08998
	4	9024.11	9845.71	9445.00	8061.52	8747.59		9024.79		7.54623
	5	4268.17	4762.23	4753.81	4127.26	4669.28		4516.15		6.57991
	6	9035.03	10089.79	9637.09	8319.10	9128.04		9241.81		7.22300
	7	10220.38	10874.38	10094.66	8468.78	9281.86		9788.01		9.49885
	8	3374.08	3815.07	3647.07	3200.87	3679.34		3543.29		7.04189
Tetrachloro-m-xylene(surr)		156956.12	203525.70	195418.19	201614.30	184927.91		188488.44		10.11293
Decachlorobiphenyl(surr)		155238.28	173133.76	157393.22	157414.12	148055.96		158247.07		5.79122

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1660-1000A
Lab ID : 1660-1000A
Inj Date : 02-OCT-2006 04:46
Operator :
Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	2.077	2.077	0.000	6777441	1029.150	1029.150
(2)		2.525	2.525	0.000	11597809	1052.626	1052.626
(3)		2.778	2.778	0.000	7498943	1084.057	1084.057
(4)		3.132	3.132	0.000	23652462	1062.480	1062.480
(5)		3.336	3.336	0.000	10423475	1078.156	1078.156
(6)		------	3.436	------	------	------	------ (*)
(7)		4.056	4.056	0.000	10909097	1086.137	1086.137
(8)		4.202	4.202	0.000	5078931	1133.270	1133.270
Average of peak concentrations:							1100.00
Aroclor-1260		6.088	6.088	0.000	15641370	1036.353	1036.353
(2)		6.539	6.539	0.000	27491269	1025.776	1025.776
(3)		6.982	6.982	0.000	25609052	1049.121	1049.121
(4)		7.180	7.180	0.000	13387877	1035.548	1035.548
(5)		7.619	7.619	0.000	13202861	1044.603	1044.603
(6)		8.916	8.916	0.000	15505535	1078.181	1078.181

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	9.133	9.133	0.000	9484302	1075.329	1075.329
(8)	10.182	10.182	0.000	7370173	1057.257	1057.257
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	1.639	1.639	0.000	25918021	105.569	105.569
Decachlorobiphenyl(surr)	10.642	10.642	0.000	22015704	97.083	97.083

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

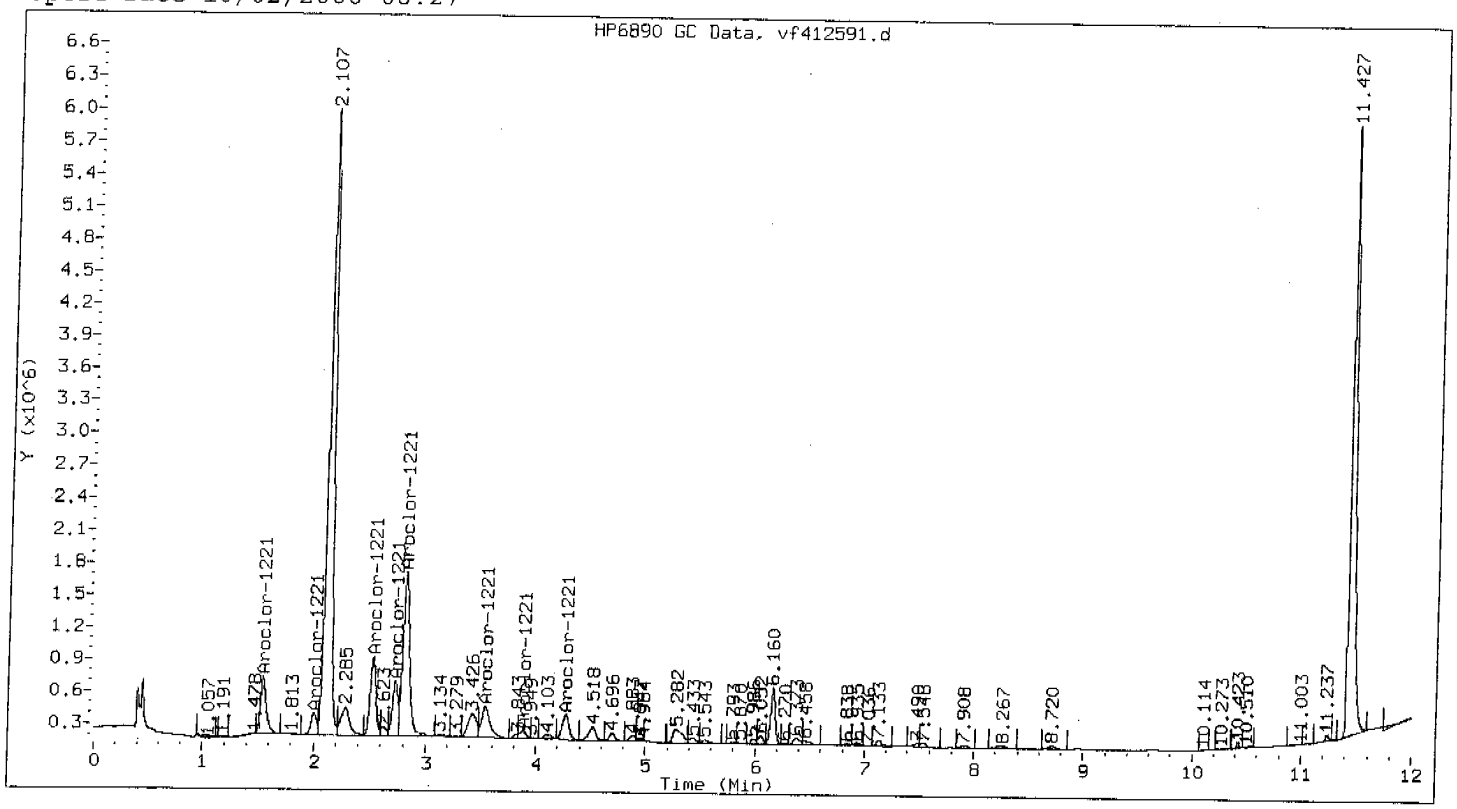
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412591.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2653.57
2	1306.83
3	3815.15
4	9743.95
5	1044.40
6	1929.30
7	830.31
8	2028.64

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1221-1000A
Lab ID : 1221-1000A
Inj Date : 02-OCT-2006 06:06
Operator :
Cpnd Sublist: AR12210

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.543	1.543	0.000	2008000	1000.000	1000.000
(2)		2.000	2.000	0.000	696192	1000.000	1000.000
(3)		2.523	2.523	0.000	2554408	1000.000	1000.000
(4)		2.723	2.723	0.000	1695157	1000.000	1000.000
(5)		2.810	2.810	0.000	6605531	1000.000	1000.000
(6)		3.537	3.537	0.000	1562760	1000.000	1000.000
(7)		3.882	3.882	0.000	305923	1000.000	1000.000
(8)		4.268	4.268	0.000	1065425	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

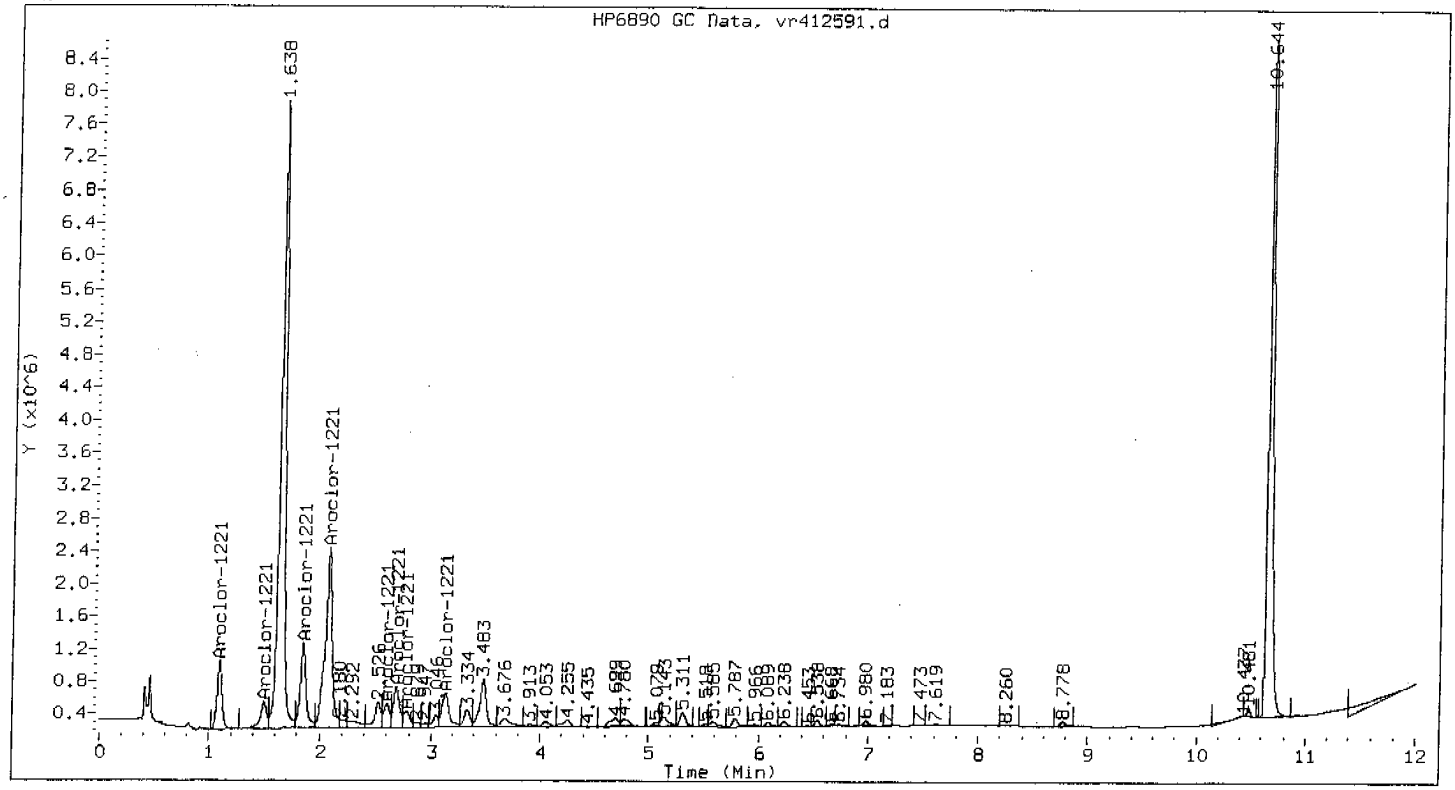
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412591.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2008.00
2	696.19
3	2554.41
4	1695.16
5	6605.53
6	1562.76
7	305.92
8	1065.42

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1221-1000A
Lab ID : 1221-1000A
Inj Date : 02-OCT-2006 06:06
Operator :
Cpnd Sublist: AR12210

10/2/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.095	1.095	0.000	2653571	1000.000	1000.000
(2)		1.498	1.498	0.000	1306827	1000.000	1000.000
(3)		1.850	1.850	0.000	3815152	1000.000	1000.000
(4)		2.076	2.076	0.000	9743953	1000.000	1000.000
(5)		2.603	2.603	0.000	1044398	1000.000	1000.000
(6)		2.685	2.685	0.000	1929299	1000.000	1000.000
(7)		2.778	2.778	0.000	830309	1000.000	1000.000
(8)		3.133	3.133	0.000	2028641	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

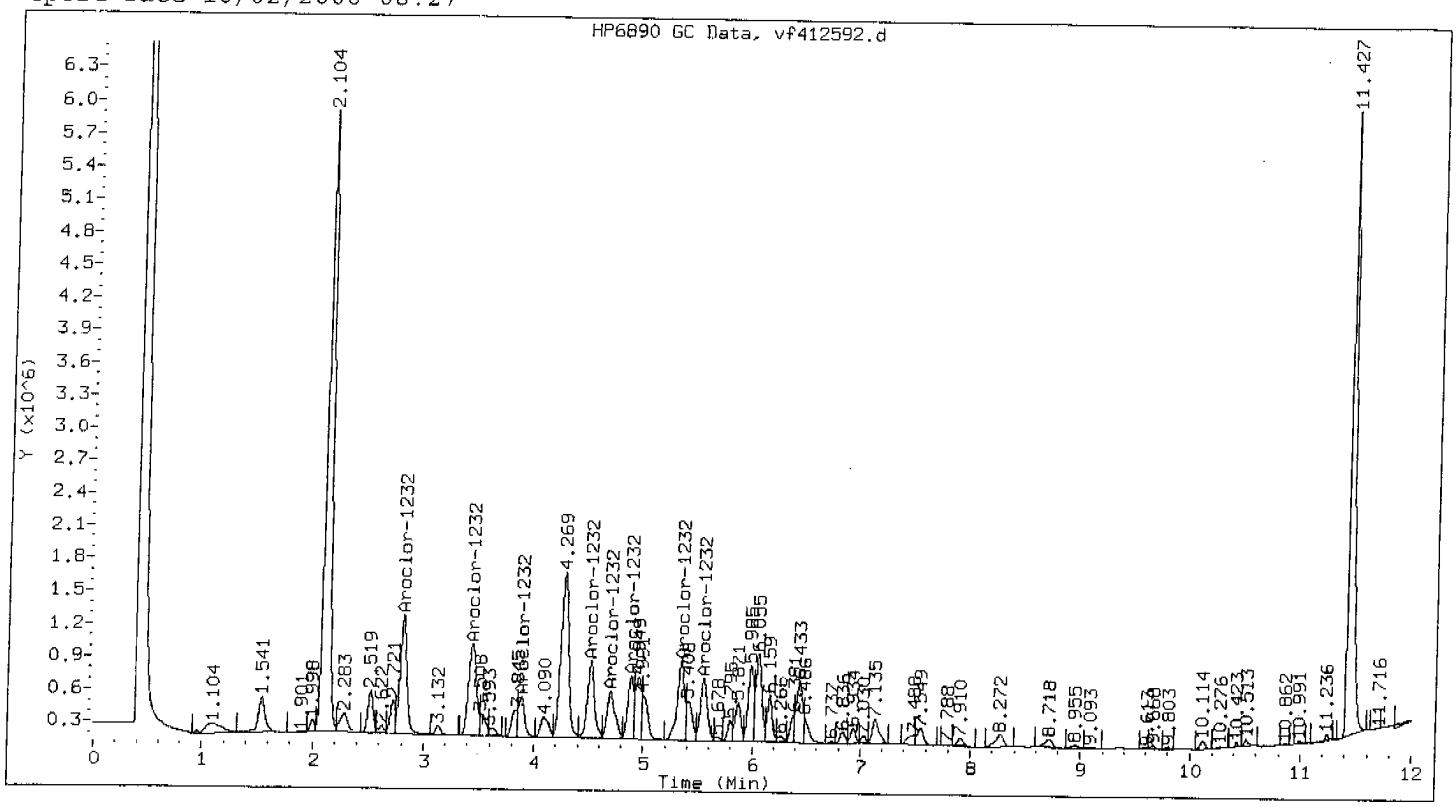
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412592.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	6781.36
2	5578.12
3	3385.55
4	9775.74
5	4466.26
6	4148.45
7	4934.57
8	2297.10

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 02-OCT-2006 06:21
Operator :
Cpnd Sublist: AR12320

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	2.808	2.808	0.000	4517879	1000.000	1000.000
(2)		3.436	3.436	0.000	4210873	1000.000	1000.000
(3)		3.881	3.881	0.000	1558450	1000.000	1000.000
(4)		4.516	4.516	0.000	3381127	1000.000	1000.000
(5)		4.697	4.697	0.000	2232504	1000.000	1000.000
(6)		4.882	4.882	0.000	2134990	1000.000	1000.000
(7)		5.339	5.339	0.000	3264050	1000.000	1000.000
(8)		5.547	5.547	0.000	2581801	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

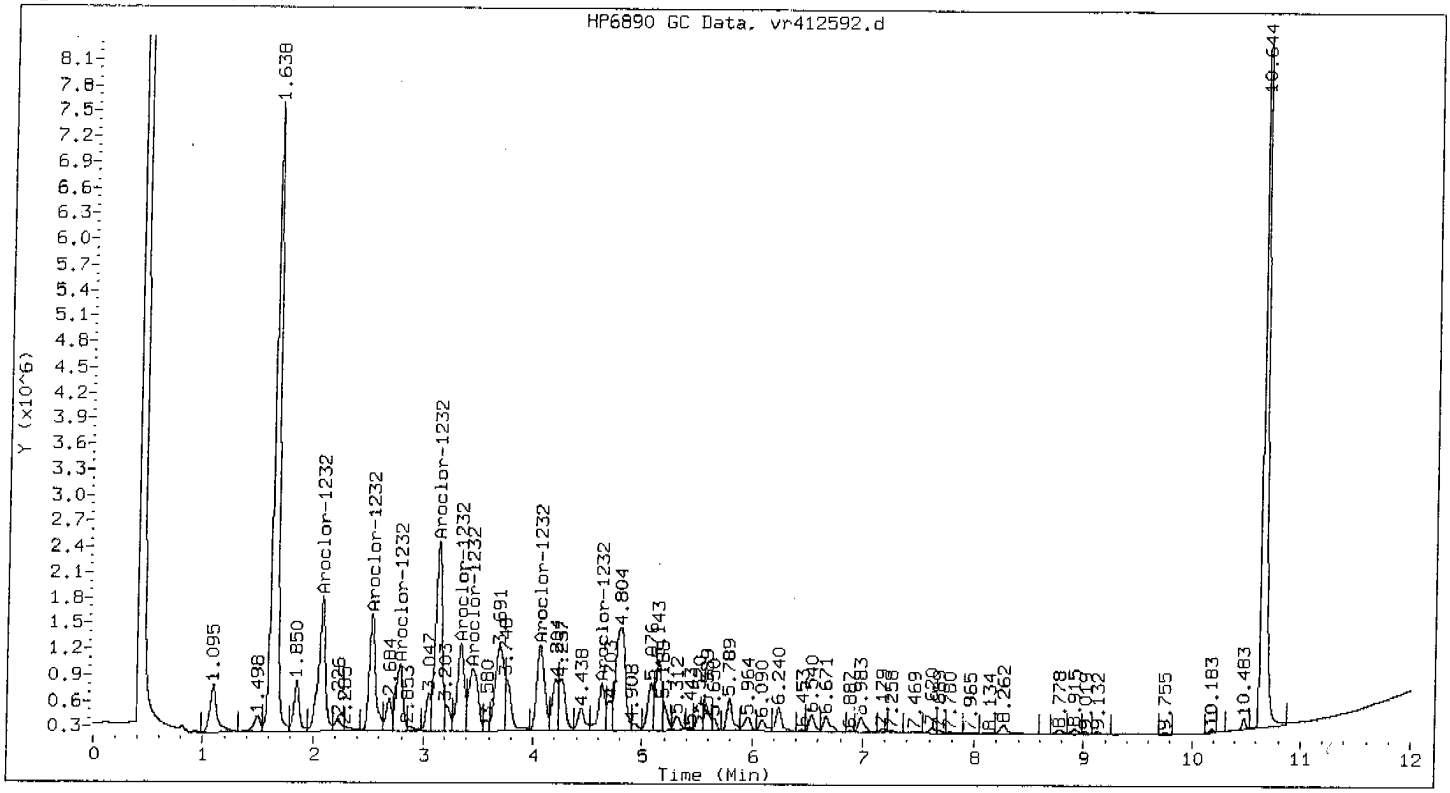
Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412592.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	4517.88
2	4210.87
3	1558.45
4	3381.13
5	2232.50
6	2134.99
7	3264.05
8	2581.80

Comments:
+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 02-OCT-2006 06:21
Operator :
Cpnd Sublist: AR12320

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	2.077	2.077	0.000	6781360	1000.000	1000.000
(2)		2.526	2.526	0.000	5578116	1000.000	1000.000
(3)		2.780	2.780	0.000	3385553	1000.000	1000.000
(4)		3.133	3.133	0.000	9775744	1000.000	1000.000
(5)		3.339	3.339	0.000	4466257	1000.000	1000.000
(6)		3.446	3.446	0.000	4148453	1000.000	1000.000
(7)		4.058	4.058	0.000	4934572	1000.000	1000.000
(8)		4.629	4.629	0.000	2297104	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

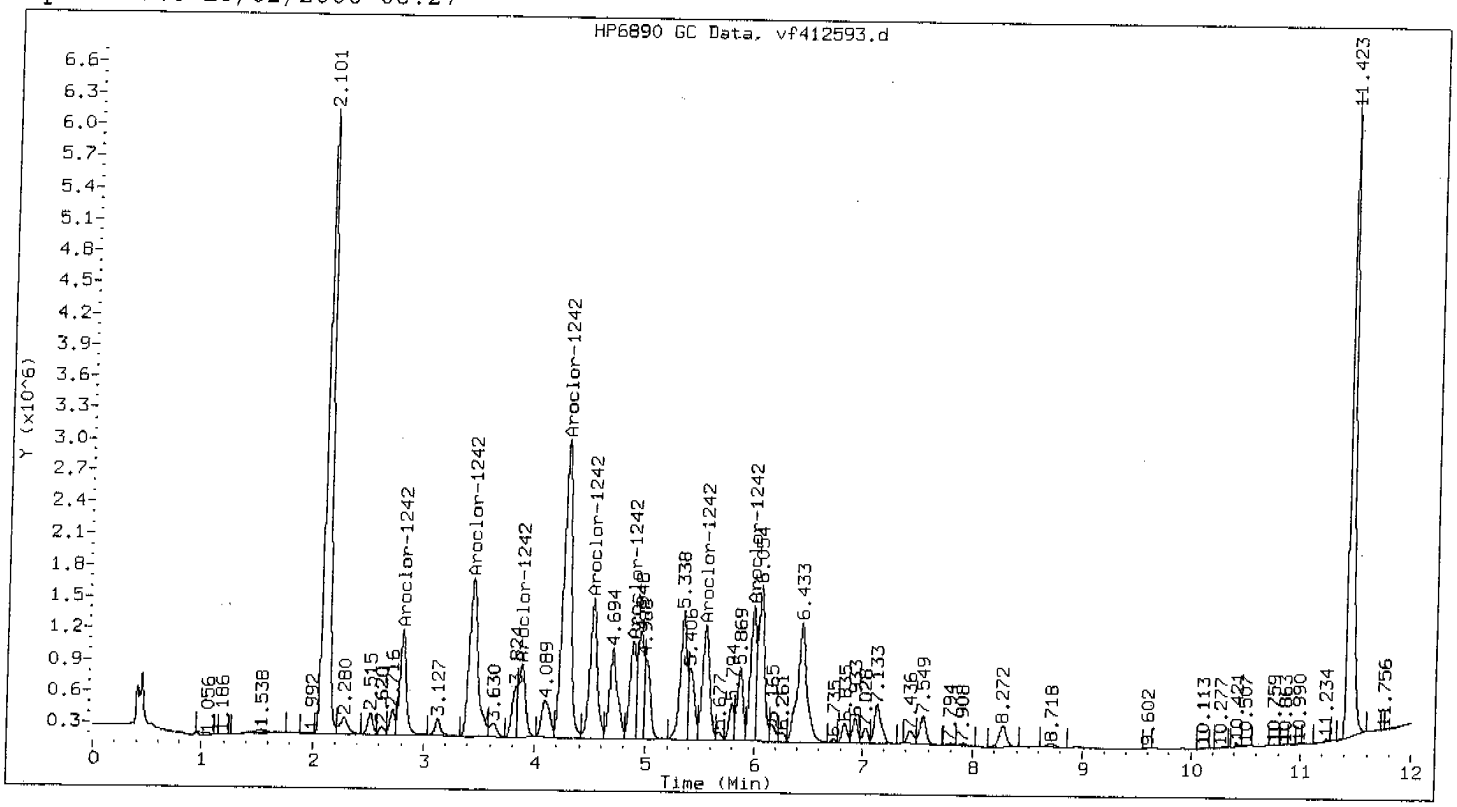
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412593.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	6086.53
2	9471.19
3	6364.52
4	19481.17
5	8229.71
6	9070.45
7	8908.06
8	7102.74

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 02-OCT-2006 06:37
Operator :
Cpnd Sublist: AR12420

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1242	(M)	2.803	2.803	0.000	4080878	1000.000	1000.000
(2)		3.433	3.433	0.000	8293034	1000.000	1000.000
(3)		3.878	3.878	0.000	3231461	1000.000	1000.000
(4)		4.266	4.266	0.000	14710985	1000.000	1000.000
(5)		4.514	4.514	0.000	6377279	1000.000	1000.000
(6)		4.879	4.879	0.000	3424928	1000.000	1000.000
(7)		5.544	5.544	0.000	5030797	1000.000	1000.000
(8)		5.984	5.984	0.000	4582493	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

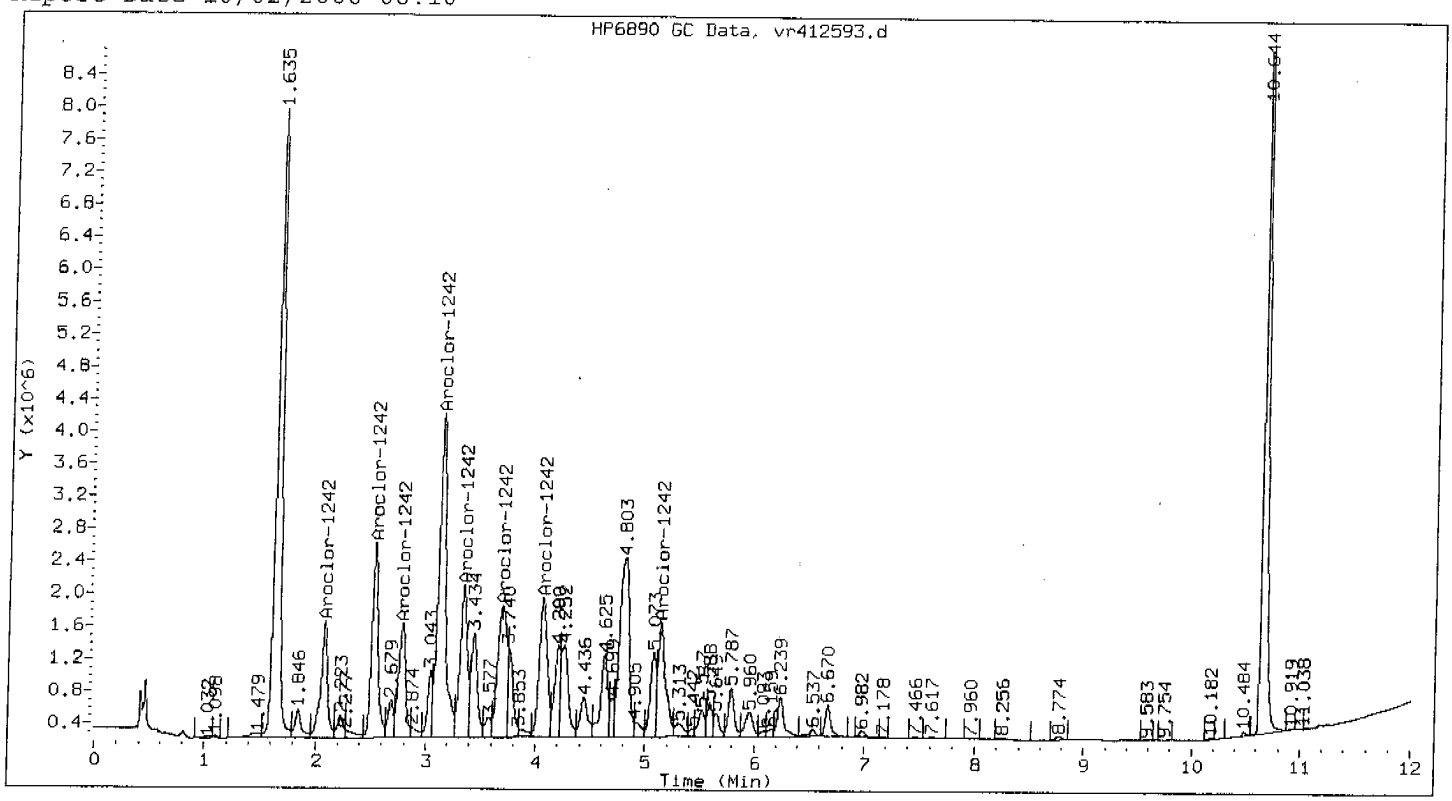
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412593.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	4080.88
2	8293.03
3	3231.46
4	14710.99
5	6377.28
6	3424.93
7	5030.80
8	4582.49

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 02-OCT-2006 06:37
Operator :
Cpnd Sublist: AR12420

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242	(M)	2.074	2.074	0.000	6086532	1000.000	1000.000
(2)		2.522	2.522	0.000	9471187	1000.000	1000.000
(3)		2.776	2.776	0.000	6364525	1000.000	1000.000
(4)		3.129	3.129	0.000	19481169	1000.000	1000.000
(5)		3.334	3.334	0.000	8229710	1000.000	1000.000
(6)		3.689	3.689	0.000	9070452	1000.000	1000.000
(7)		4.054	4.054	0.000	8908063	1000.000	1000.000
(8)		5.139	5.139	0.000	7102742	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

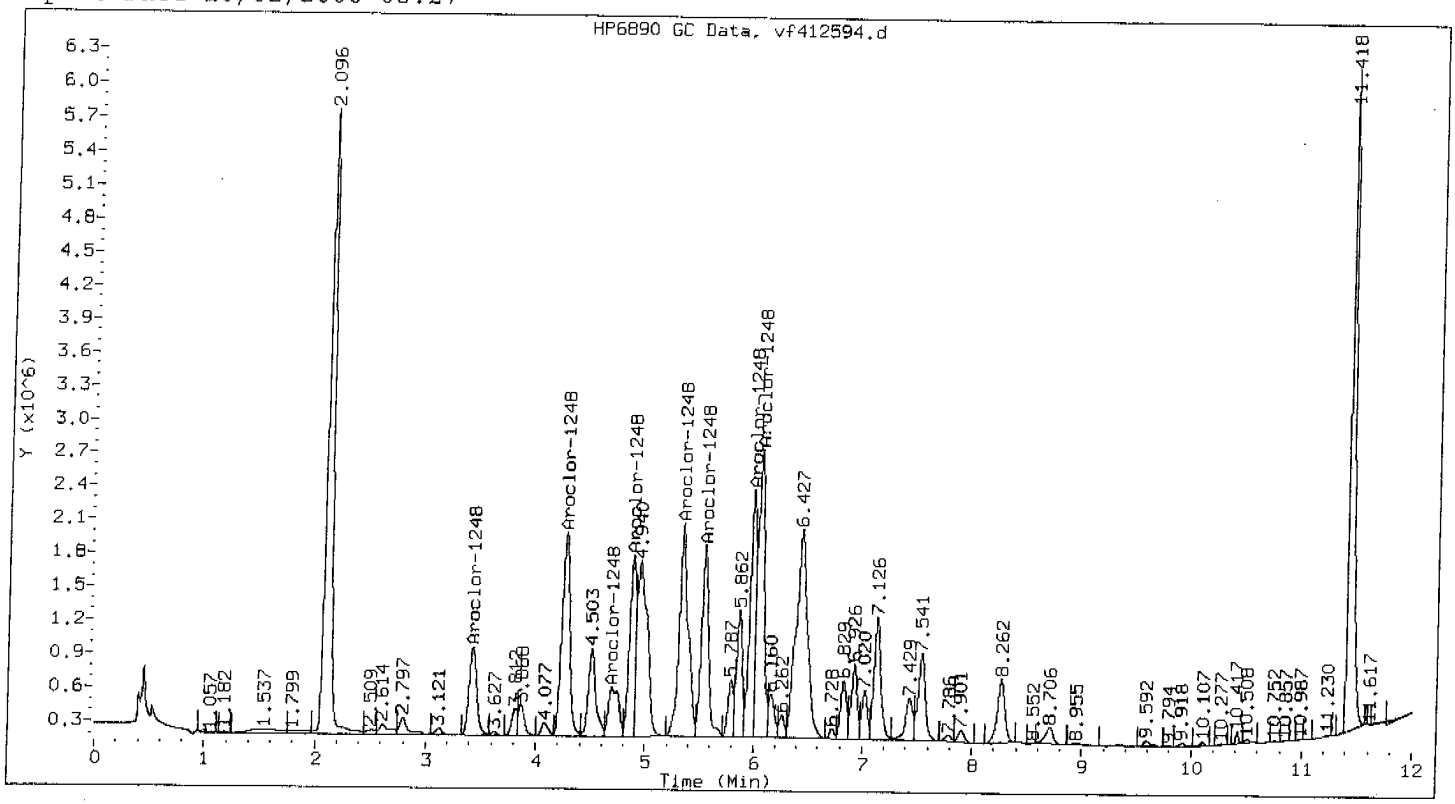
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412594.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	4637.01
2	11463.03
3	2965.96
4	13952.67
5	12724.80
6	7067.22
7	6701.18
8	10191.72

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 02-OCT-2006 06:52
Operator :
Cpnd Sublist: AR12480

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	3.423	3.423	0.000	3909092	1000.000	1000.000
(2)	4.256	4.256	0.000	9267684	1000.000	1000.000
(3)	4.688	4.688	0.000	2893376	1000.000	1000.000
(4)	4.872	4.872	0.000	6115179	1000.000	1000.000
(5)	5.331	5.331	0.000	11108552	1000.000	1000.000
(6)	5.538	5.538	0.000	7981895	1000.000	1000.000
(7)	5.977	5.977	0.000	7810430	1000.000	1000.000
(8)	6.047	6.047	0.000	11056765	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

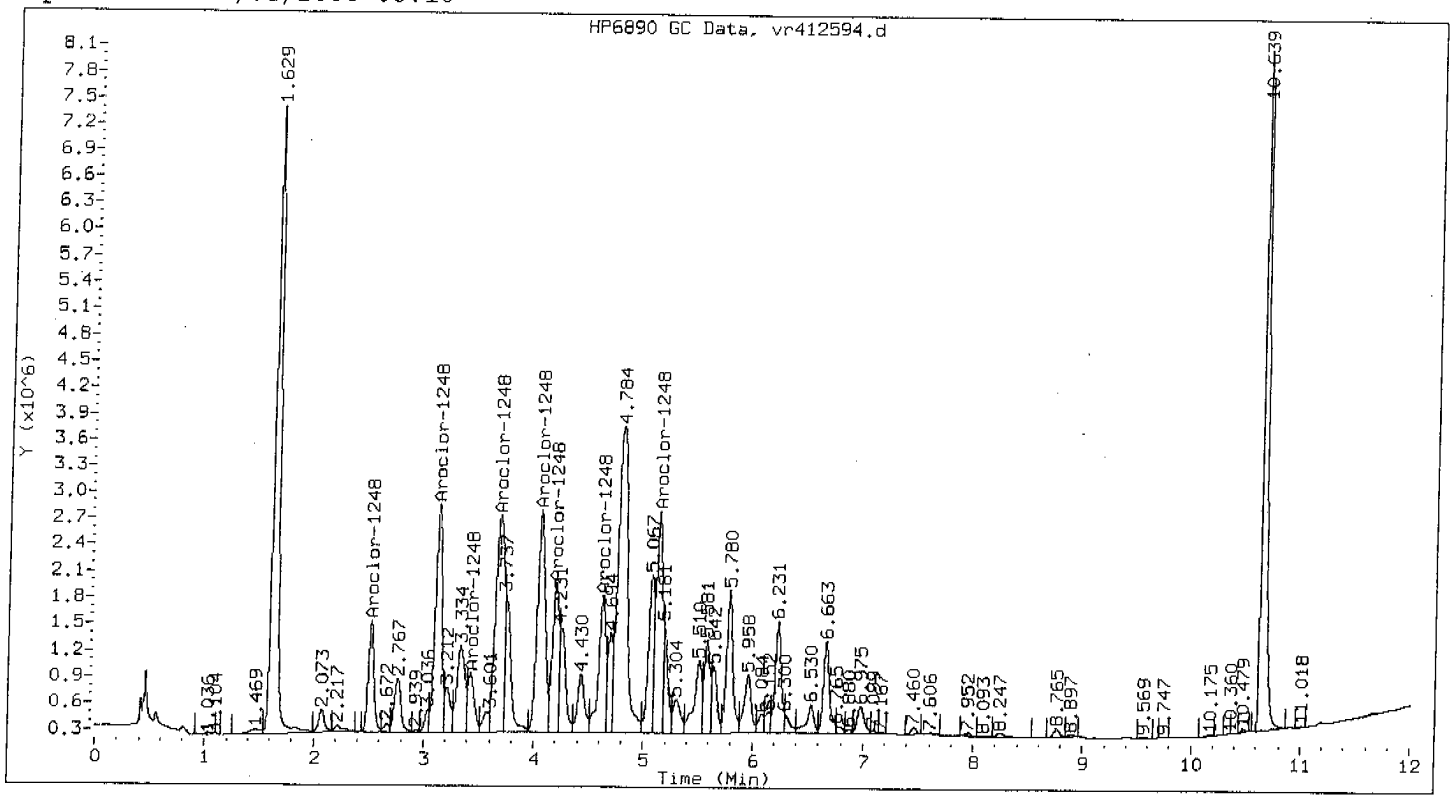
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412594.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	3909.09
2	9267.68
3	2893.38
4	6115.18
5	11108.55
6	7981.90
7	7810.43
8	11056.76

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 02-OCT-2006 06:52
Operator :
Cpnd Sublist: AR12480

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	2.516	2.516	0.000	4637011	1000.000	1000.000
(2)		3.122	3.122	0.000	11463033	1000.000	1000.000
(3)		3.427	3.427	0.000	2965957	1000.000	1000.000
(4)		3.678	3.678	0.000	13952669	1000.000	1000.000
(5)		4.047	4.047	0.000	12724799	1000.000	1000.000
(6)		4.191	4.191	0.000	7067217	1000.000	1000.000
(7)		4.619	4.619	0.000	6701181	1000.000	1000.000
(8)		5.133	5.133	0.000	10191722	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

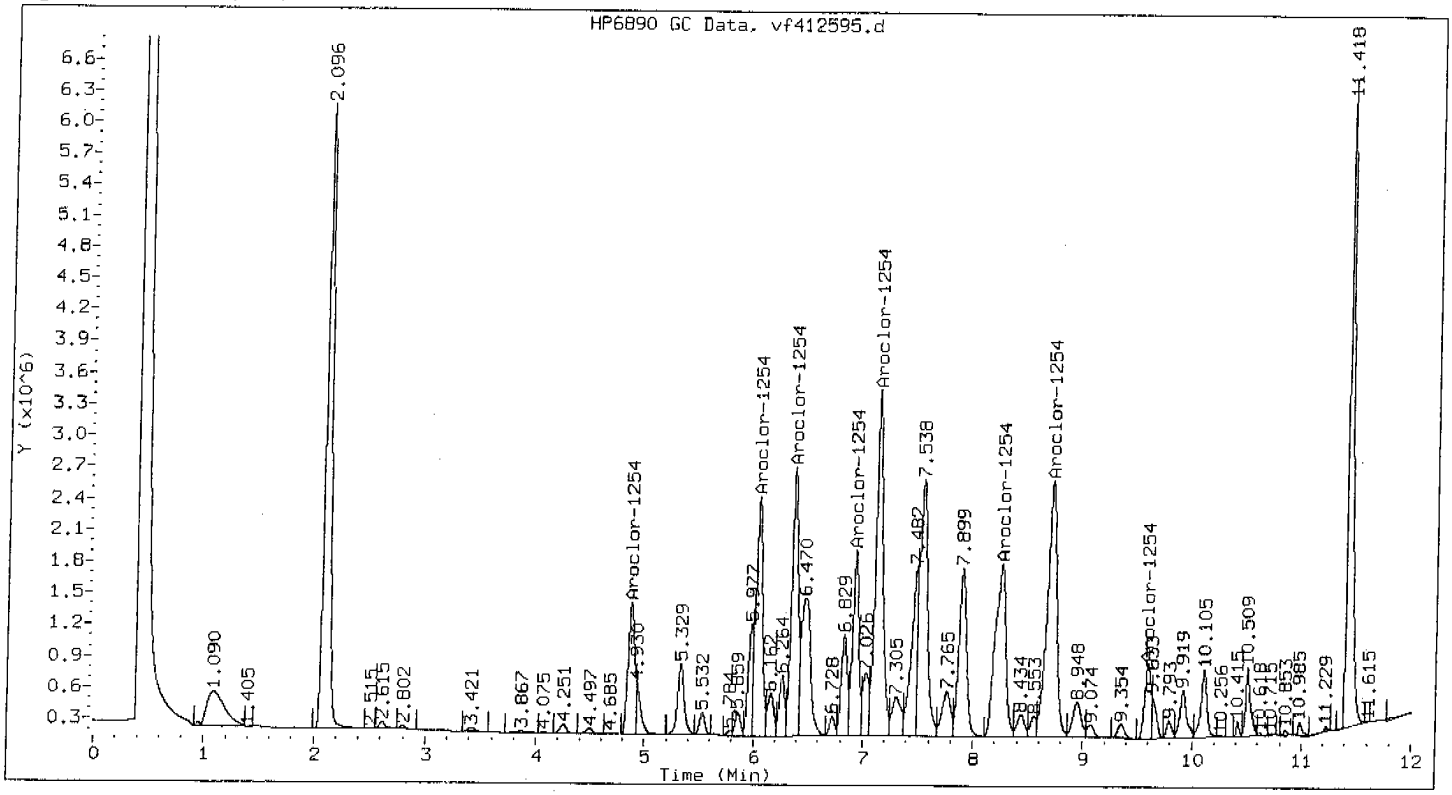
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412595.d

Compound		Midpoint Standard Response Factor
Aroclor-1254		10020.82
	2	8967.14
	3	14729.39
	4	10296.32
	5	19444.13
	6	15842.85
	7	15016.67
	8	19493.90

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 02-OCT-2006 07:08
Operator :
Cpnd Sublist: AR12540

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	4.871	4.871	0.000	5442928	1000.000	1000.000
(2)		6.040	6.040	0.000	10041820	1000.000	1000.000
(3)		6.364	6.364	0.000	10620639	1000.000	1000.000
(4)		6.926	6.926	0.000	6856673	1000.000	1000.000
(5)		7.125	7.125	0.000	15603754	1000.000	1000.000
(6)		8.252	8.252	0.000	11152619	1000.000	1000.000
(7)		8.707	8.707	0.000	15082331	1000.000	1000.000
(8)		9.594	9.594	0.000	2778072	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

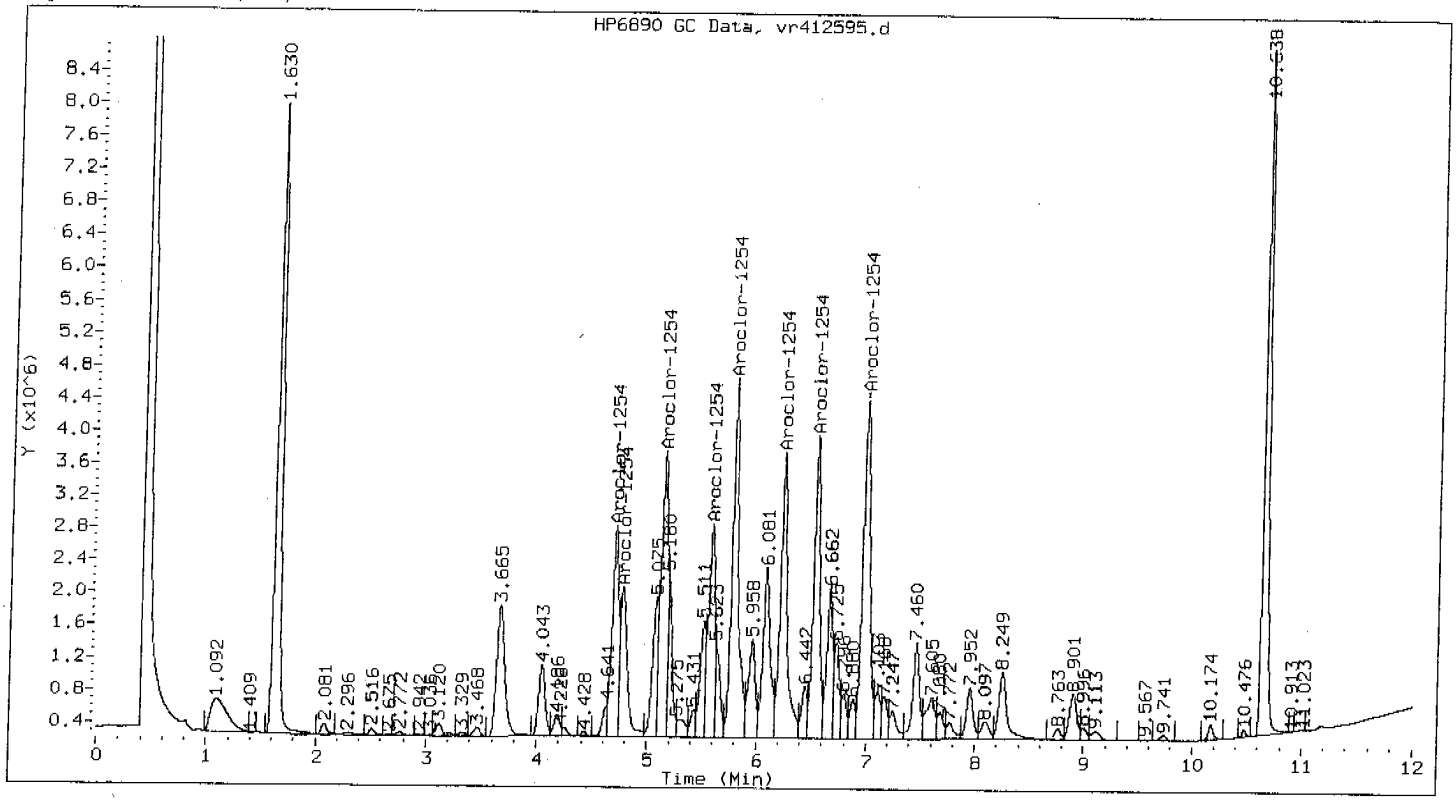
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412595.d

Compound		Midpoint Standard Response Factor
Aroclor-1254		5442.93
	2	10041.82
	3	10620.64
	4	6856.67
	5	15603.75
	6	11152.62
	7	15082.33
	8	2778.07

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 02-OCT-2006 07:08
Operator :
Cpnd Sublist: AR12540

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	4.695	4.695	0.000	10020815	1000.000	1000.000
(2)		4.768	4.768	0.000	8967144	1000.000	1000.000
(3)		5.135	5.135	0.000	14729386	1000.000	1000.000
(4)		5.579	5.579	0.000	10296321	1000.000	1000.000
(5)		5.780	5.780	0.000	19444128	1000.000	1000.000
(6)		6.230	6.230	0.000	15842853	1000.000	1000.000
(7)		6.530	6.530	0.000	15016672	1000.000	1000.000
(8)		6.975	6.975	0.000	19493902	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

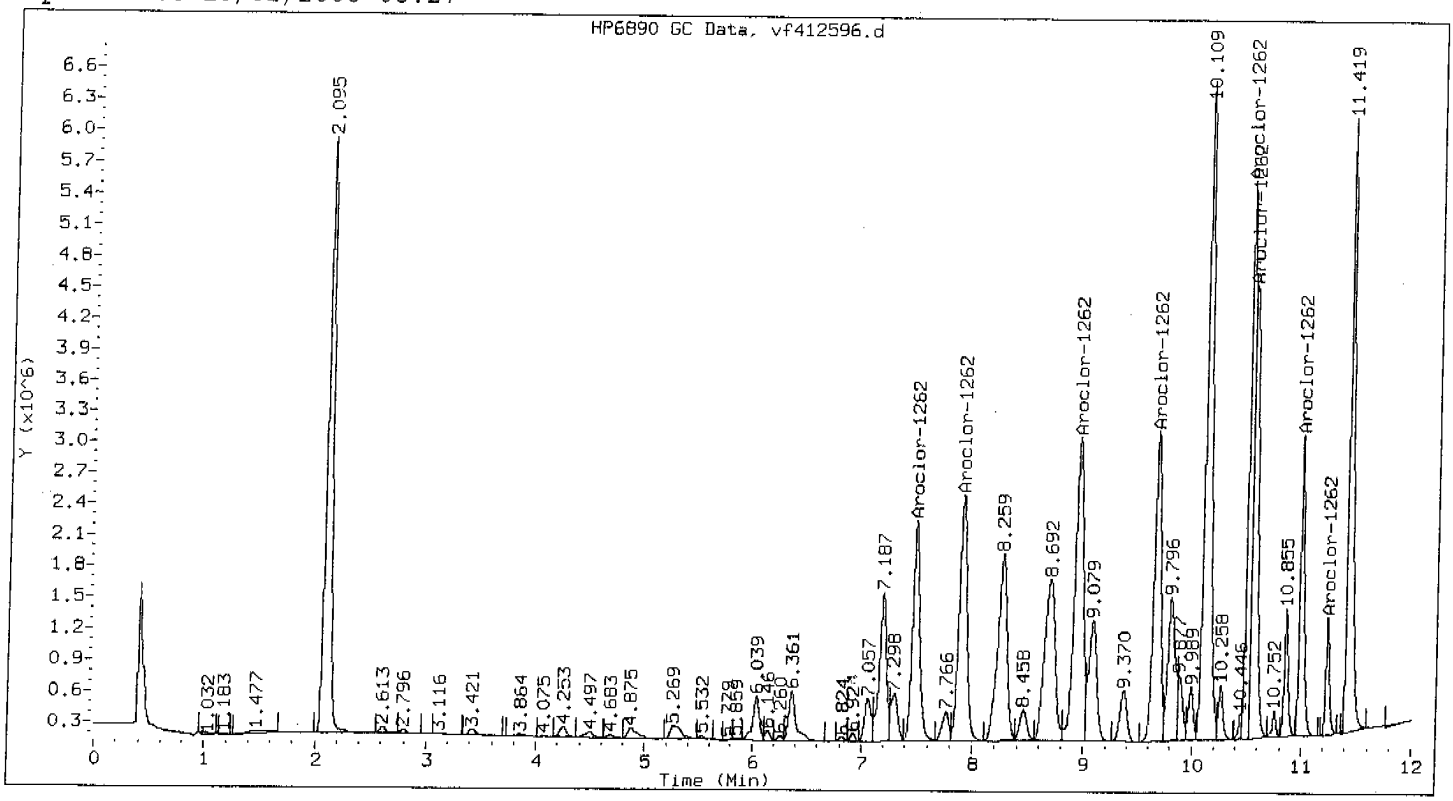
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412596.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	8431.27
2	11946.96
3	14498.86
4	19653.72
5	17104.75
6	11814.27
7	19421.68
8	14538.18

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 02-OCT-2006 07:24
Operator :
Cpnd Sublist: AR12620

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1262	7.479	7.479	0.000	9935451	1000.000	1000.000
(2)	7.899	7.899	0.000	11326694	1000.000	1000.000
(3)	8.940	8.940	0.000	16176719	1000.000	1000.000
(4)	9.659	9.659	0.000	13327141	1000.000	1000.000
(5)	10.507	10.507	0.000	13163455	1000.000	1000.000
(6)	10.541	10.541	0.000	14042193	1000.000	1000.000
(7)	10.987	10.987	0.000	7756037	1000.000	1000.000
(8)	11.230	11.230	0.000	2627022	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

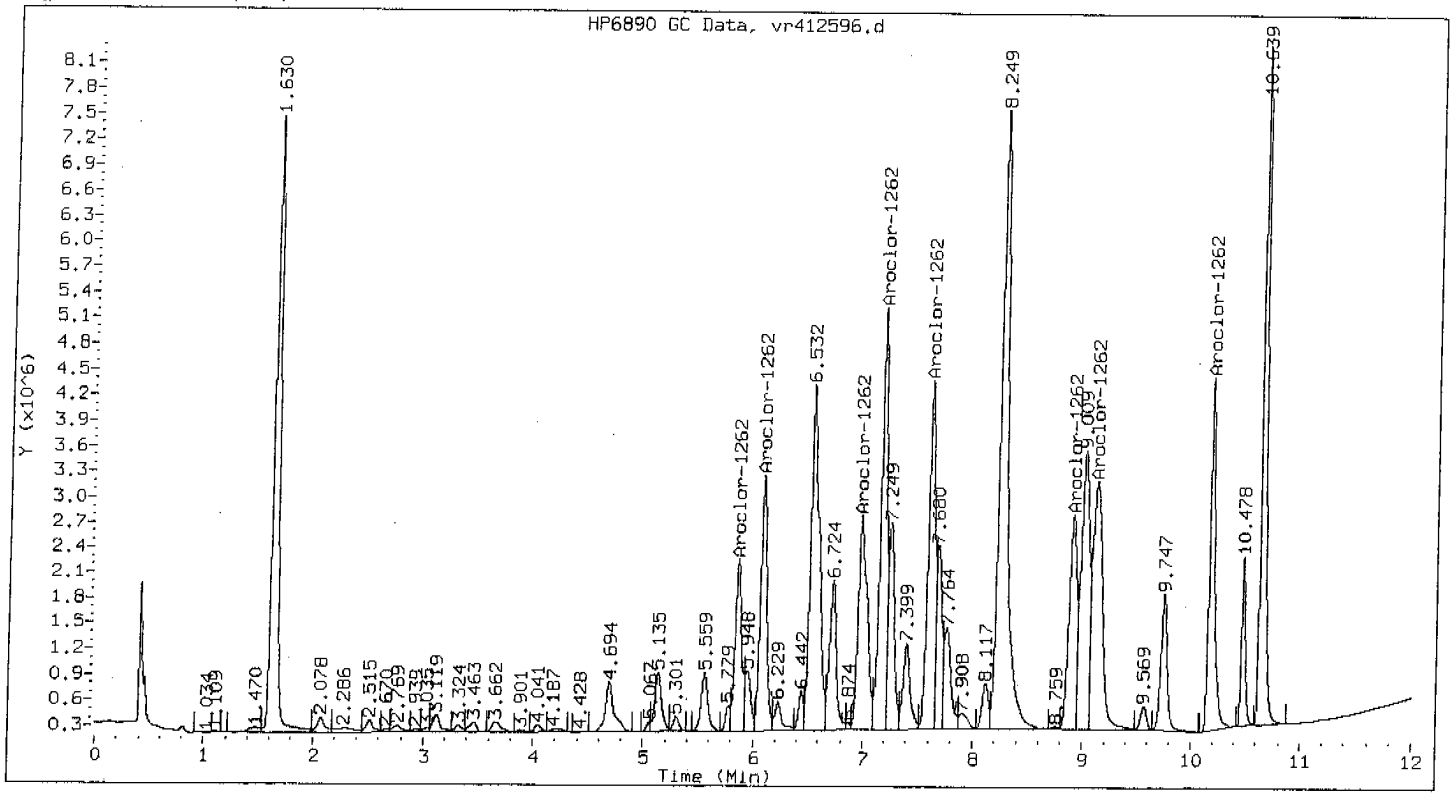
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412596.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	9935.45
2	11326.69
3	16176.72
4	13327.14
5	13163.45
6	14042.19
7	7756.04
8	2627.02

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 02-OCT-2006 07:24
Operator :
Cpnd Sublist: AR12620

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	5.854	5.854	0.000	8431269	1000.000	1000.000
(2)	6.080	6.080	0.000	11946958	1000.000	1000.000
(3)	6.973	6.973	0.000	14498863	1000.000	1000.000
(4)	7.171	7.171	0.000	19653718	1000.000	1000.000
(5)	7.609	7.609	0.000	17104751	1000.000	1000.000
(6)	8.902	8.902	0.000	11814270	1000.000	1000.000
(7)	9.119	9.119	0.000	19421679	1000.000	1000.000
(8)	10.177	10.177	0.000	14538178	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

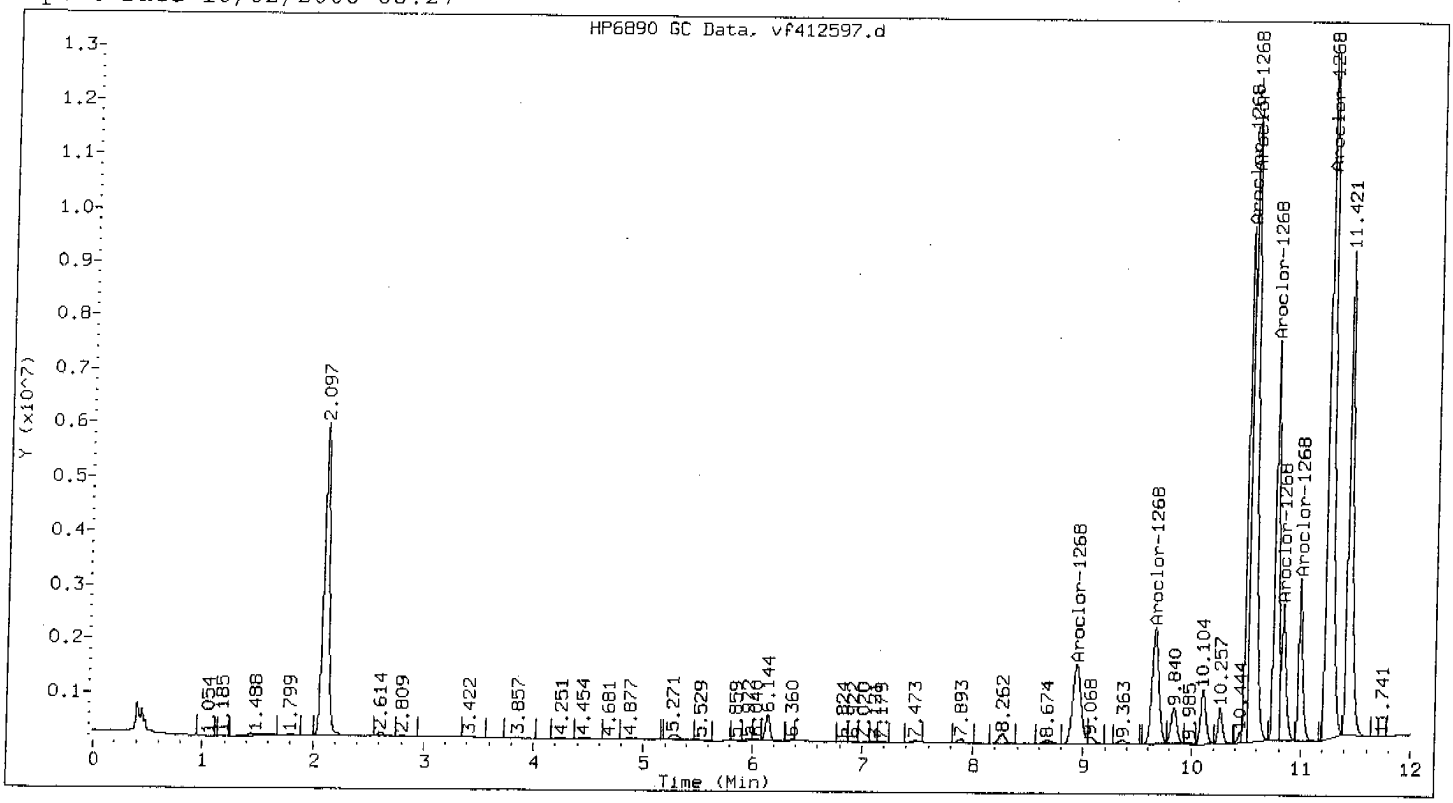
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412597.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	11269.06
2	13348.78
3	41870.28
4	51212.06
5	35247.11
6	12560.22
7	14516.42
8	73763.19

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/05Vf8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 02-OCT-2006 07:39
Operator :
Cpnd Sublist: AR12680

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1268	8.935	8.935	0.000	7888090	1000.000	1000.000
(2)	9.658	9.658	0.000	9848291	1000.000	1000.000
(3)	10.502	10.502	0.000	18762291	1000.000	1000.000
(4)	10.541	10.541	0.000	39223435	1000.000	1000.000
(5)	10.754	10.754	0.000	19860726	1000.000	1000.000
(6)	10.834	10.834	0.000	7446135	1000.000	1000.000
(7)	10.987	10.987	0.000	7819328	1000.000	1000.000
(8)	11.233	11.233	0.000	52661355	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

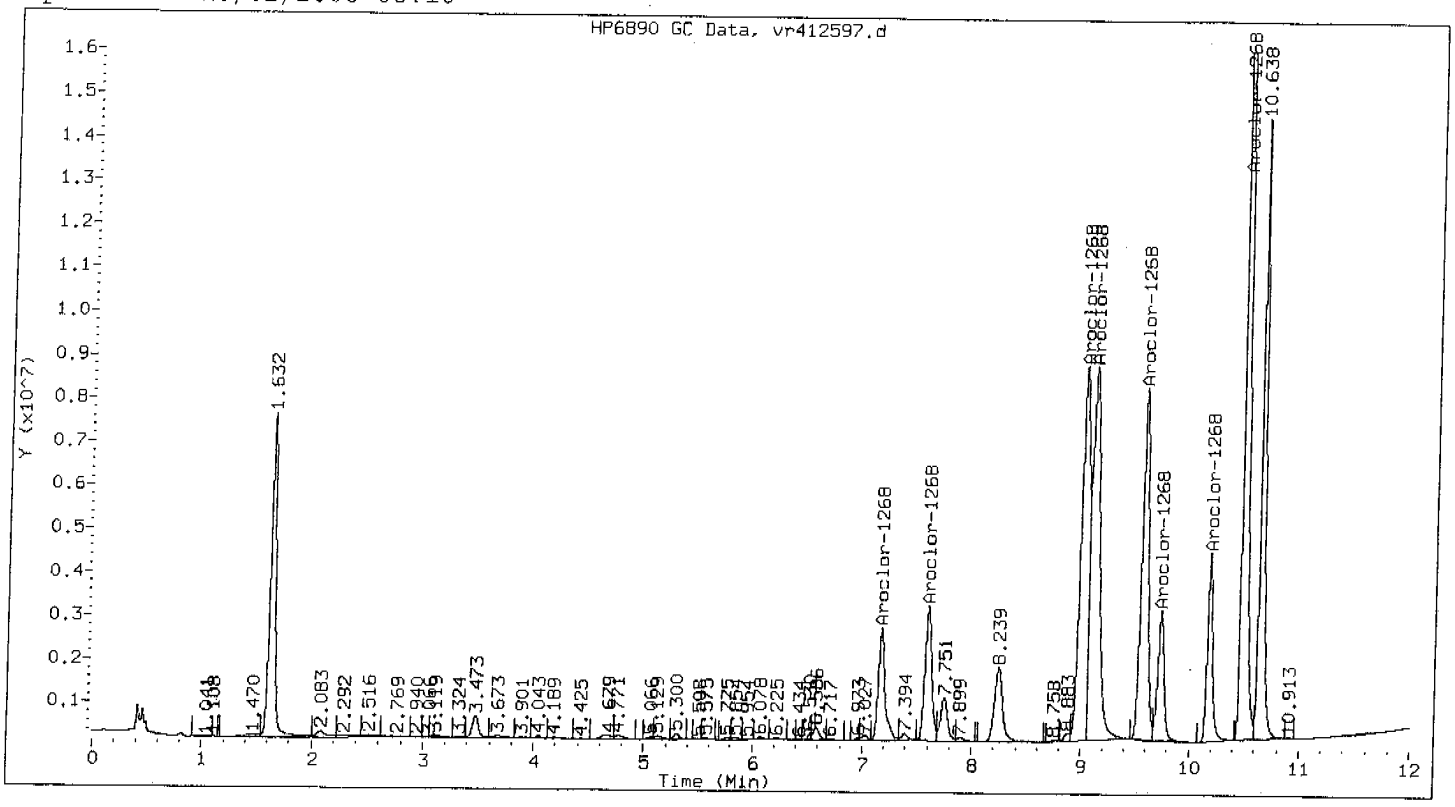
Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412597.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	7888.09
2	9848.29
3	18762.29
4	39223.43
5	19860.73
6	7446.14
7	7819.33
8	52661.36

Comments:
+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/05Vr8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 02-OCT-2006 07:39
Operator :
Cpnd Sublist: AR12680

10/2/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	7.169	7.169	0.000	11269063	1000.000	1000.000
(2)	7.597	7.597	0.000	13348784	1000.000	1000.000
(3)	9.005	9.005	0.000	41870280	1000.000	1000.000
(4)	9.102	9.102	0.000	51212062	1000.000	1000.000
(5)	9.568	9.568	0.000	35247106	1000.000	1000.000
(6)	9.732	9.732	0.000	12560217	1000.000	1000.000
(7)	10.174	10.174	0.000	14516419	1000.000	1000.000
(8)	10.477	10.477	0.000	73763189	1000.000	1000.000

Average of peak concentrations: 1000.00

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/vr412806.d
Method: /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m

Sample Information: 1660-1000 E
Injection Date: 09-OCT-2006 22:02

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.078	1000	934.88	6.51
Aroclor-1016	2	2.526	1000	1040.61	4.06
Aroclor-1016	3	2.780	1000	1086.07	8.61
Aroclor-1016	4	3.133	1000	1073.99	7.40
Aroclor-1016	5	3.337	1000	1041.47	4.15
Aroclor-1016	6	3.437	1000	0.00	100.00*
Aroclor-1016	7	4.058	1000	1004.98	0.50
Aroclor-1016	8	4.203	1000	1018.46	1.85
Aroclor-1260	1	6.091	1000	1000.31	0.03
Aroclor-1260	2	6.543	1000	994.07	0.59
Aroclor-1260	3	6.986	1000	1012.76	1.28
Aroclor-1260	4	7.183	1000	1016.44	1.64
Aroclor-1260	5	7.623	1000	1021.50	2.15
Aroclor-1260	6	8.922	1000	1062.10	6.21
Aroclor-1260	7	9.140	1000	1096.38	9.64
Aroclor-1260	8	10.186	1000	1107.07	10.71

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.640	100	102.71	2.71
Decachlorobiphenyl(sur	10.645	100	102.72	2.72

* Multicomponent peak not used in calibration.

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412586.d
Injection Date: 02-OCT-2006 04:46

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/vr412806.d
Injection Date: 09-OCT-2006 22:02

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.077	(2.007 - 2.147)	2.078	
	2.525	(2.455 - 2.595)	2.526	
	2.778	(2.708 - 2.848)	2.780	
	3.132	(3.062 - 3.202)	3.133	
	3.336	(3.266 - 3.406)	3.337	
	3.436	(3.366 - 3.506)	3.437	
	4.056	(3.986 - 4.126)	4.058	
	4.202	(4.132 - 4.272)	4.203	
Aroclor-1260	6.088	(6.018 - 6.158)	6.091	
	6.539	(6.469 - 6.609)	6.543	
	6.982	(6.912 - 7.052)	6.986	
	7.180	(7.110 - 7.250)	7.183	
	7.619	(7.549 - 7.689)	7.623	
	8.916	(8.846 - 8.986)	8.922	
	9.133	(9.063 - 9.203)	9.140	
	10.182	(10.112 - 10.252)	10.186	
Tetrachloro-m-xylene(surr)	1.639	(1.589 - 1.689)	1.640	
Decachlorobiphenyl(surr)	10.642	(10.542 - 10.742)	10.645	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b/vf412806.d
Method: /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b/05Vf8082.m

Sample Information: 1660-1000 E
Injection Date: 09-OCT-2006 22:02

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.806	1000	1078.56	7.86
Aroclor-1016	2	3.437	1000	1156.74	15.67<-
Aroclor-1016	3	3.881	1000	1142.92	14.29
Aroclor-1016	4	4.269	1000	1099.11	9.91
Aroclor-1016	5	4.517	1000	1048.33	4.83
Aroclor-1016	6	4.697	1000	1073.64	7.36
Aroclor-1016	7	4.950	1000	1057.54	5.75
Aroclor-1016	8	5.340	1000	1031.61	3.16
Aroclor-1260	1	7.493	1000	1081.01	8.10
Aroclor-1260	2	7.914	1000	1088.37	8.84
Aroclor-1260	3	8.721	1000	1115.85	11.58
Aroclor-1260	4	8.958	1000	1109.16	10.92
Aroclor-1260	5	9.098	1000	1099.86	9.99
Aroclor-1260	6	9.673	1000	1125.70	12.57
Aroclor-1260	7	10.517	1000	1099.55	9.95
Aroclor-1260	8	10.992	1000	1194.89	19.49<-

10/12/06

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.105	100	108.91	8.91
Decachlorobiphenyl(sur	11.424	100	111.00	11.00

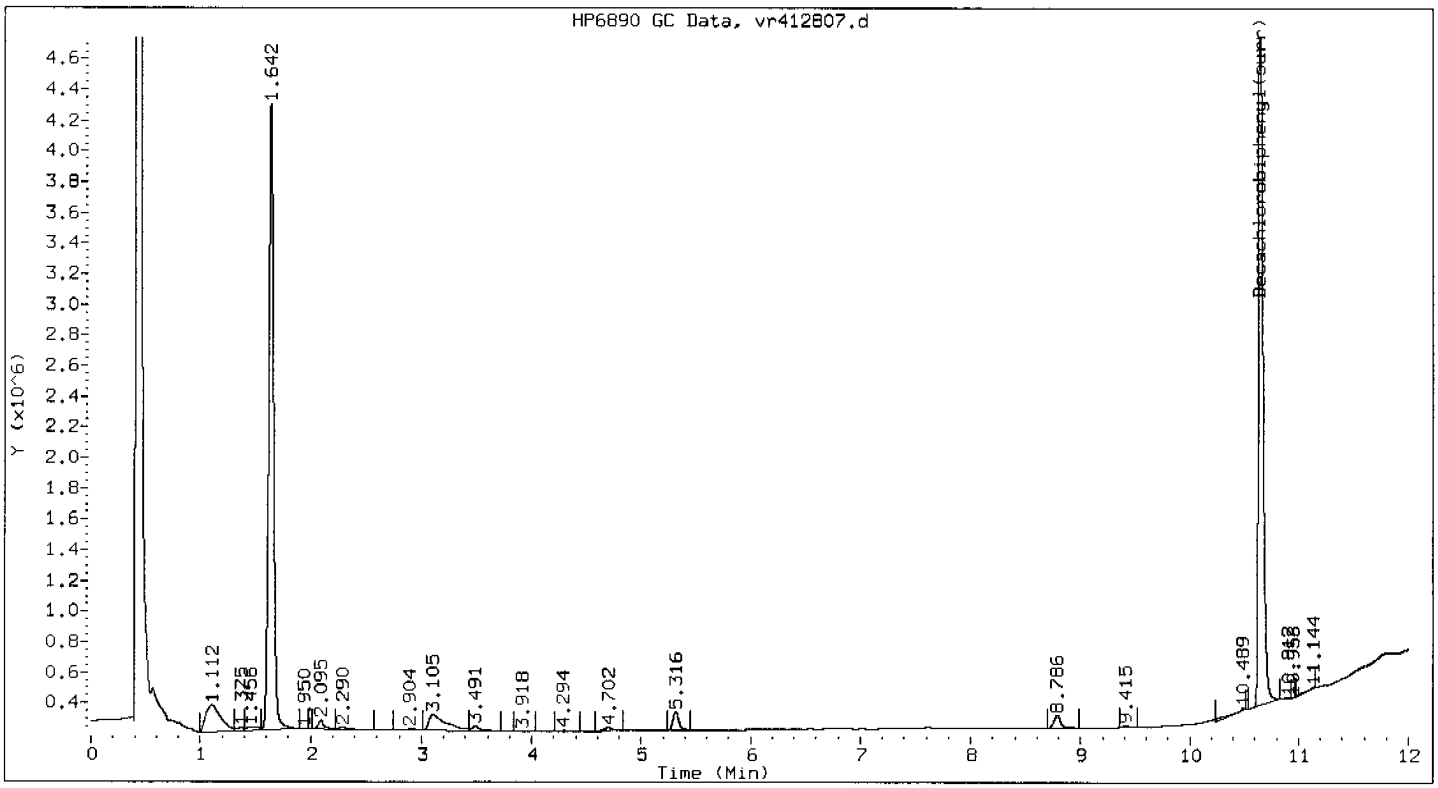
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412586.d
Injection Date: 02-OCT-2006 04:46

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b/vf412806.d
Injection Date: 09-OCT-2006 22:02

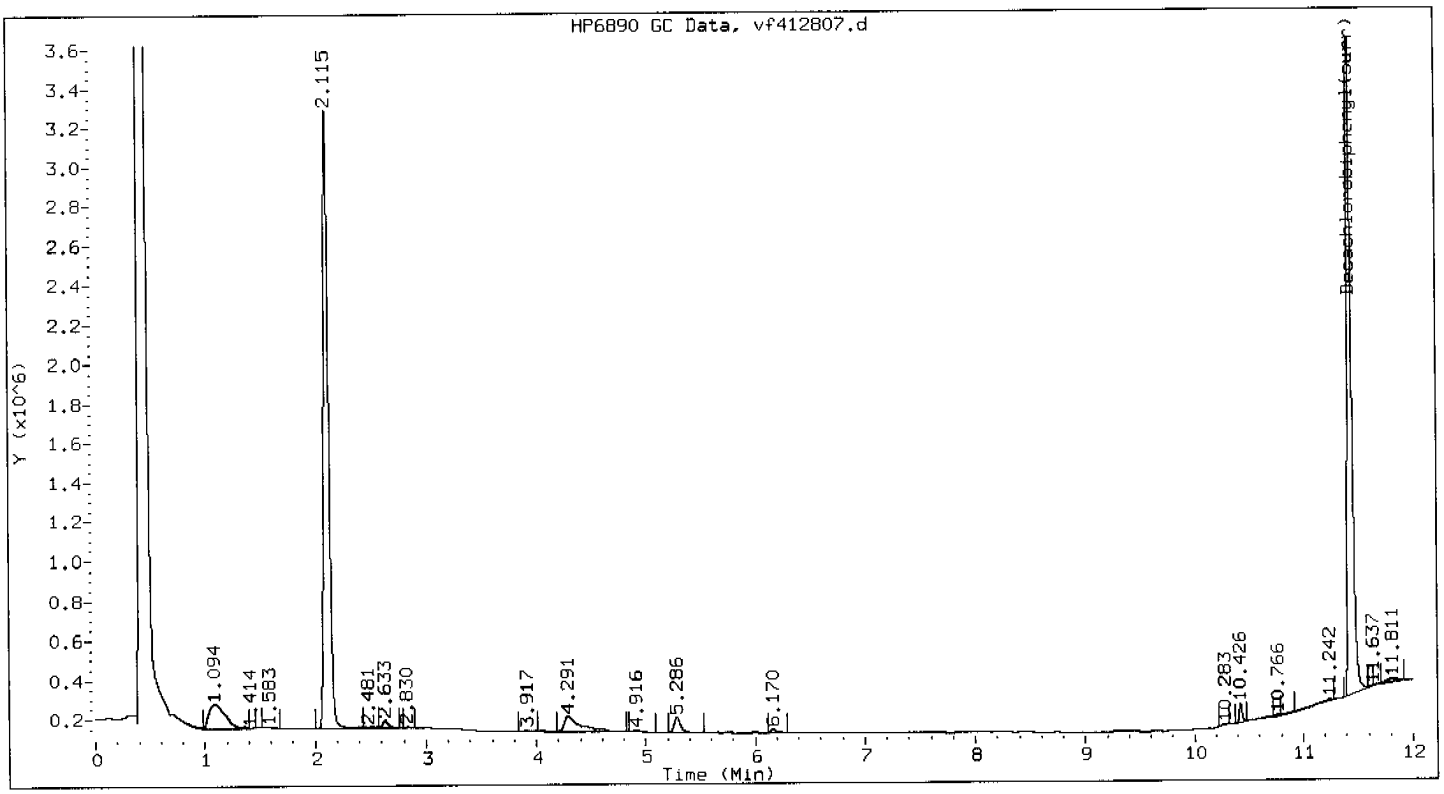
Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.805	(2.735 - 2.875)	2.806	
	3.436	(3.366 - 3.506)	3.437	
	3.879	(3.809 - 3.949)	3.881	
	4.268	(4.198 - 4.338)	4.269	
	4.515	(4.445 - 4.585)	4.517	
	4.696	(4.626 - 4.766)	4.697	
	4.947	(4.877 - 5.017)	4.950	
	5.337	(5.267 - 5.407)	5.340	
Aroclor-1260	7.490	(7.420 - 7.560)	7.493	
	7.911	(7.841 - 7.981)	7.914	
	8.717	(8.647 - 8.787)	8.721	
	8.954	(8.884 - 9.024)	8.958	
	9.093	(9.023 - 9.163)	9.098	
	9.670	(9.600 - 9.740)	9.673	
	10.514	(10.444 - 10.584)	10.517	
	10.988	(10.918 - 11.058)	10.992	
Tetrachloro-m-xylene(surr)	2.104	(2.054 - 2.154)	2.105	
Decachlorobiphenyl(surr)	11.415	(11.315 - 11.515)	11.424	



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m
Sample Info : sp282r;mb63760
Lab ID : SP282R
Inj Date : 10-OCT-2006 04:32
Operator :
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	10.648	10.645	0.003	13940858	61.475	40.984

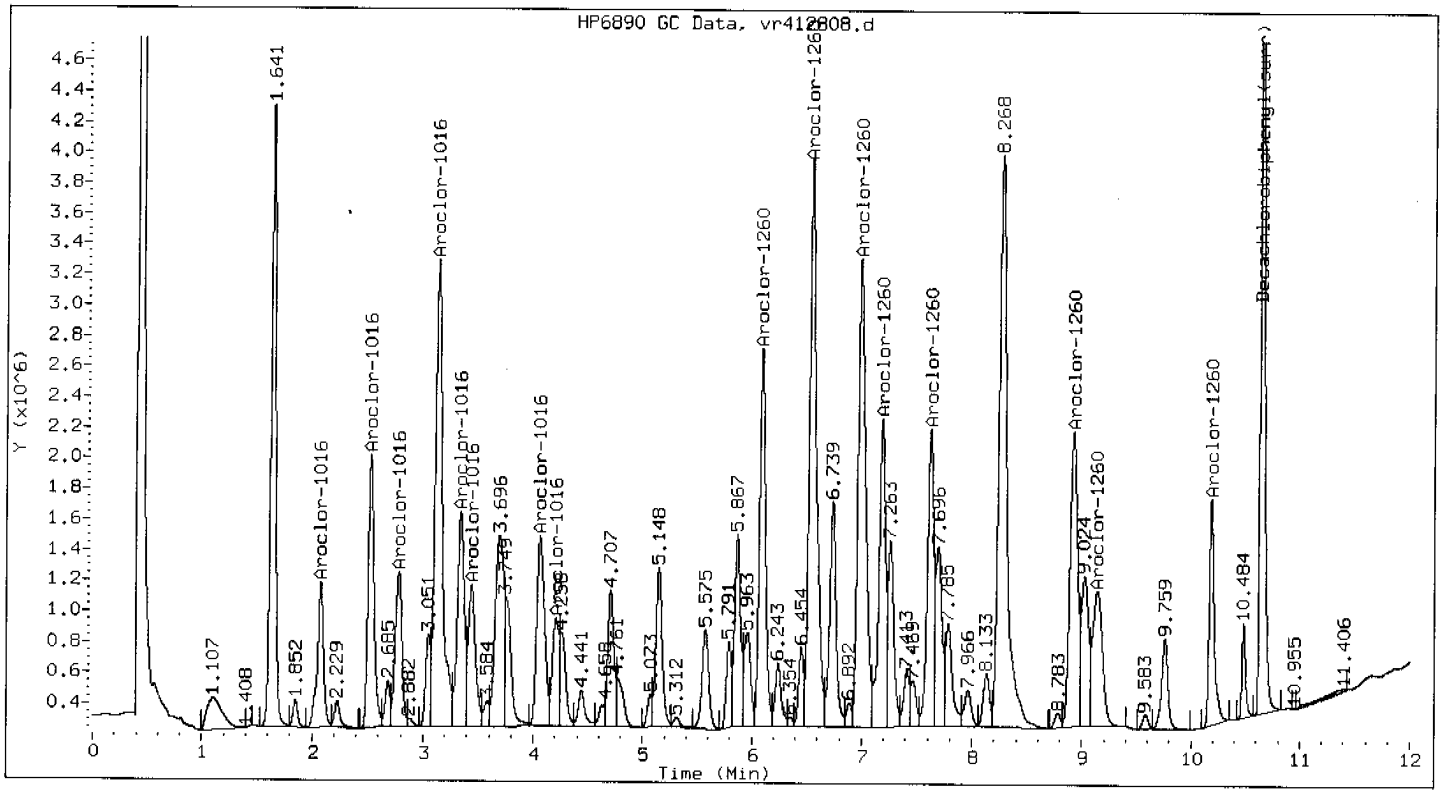


Method : /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b/05Vf8082.m
Sample Info : sp282r;mb63760
Lab ID : SP282R
Inj Date : 10-OCT-2006 04:32
Operator :
Cpnd Sublist: PCB8082+

10/10/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	11.432	11.424	0.008	9658536	61.035	40.690



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m
Sample Info : sp282rbs
Lab ID : SP282Rbs
Inj Date : 10-OCT-2006 04:48
Operator :
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BS

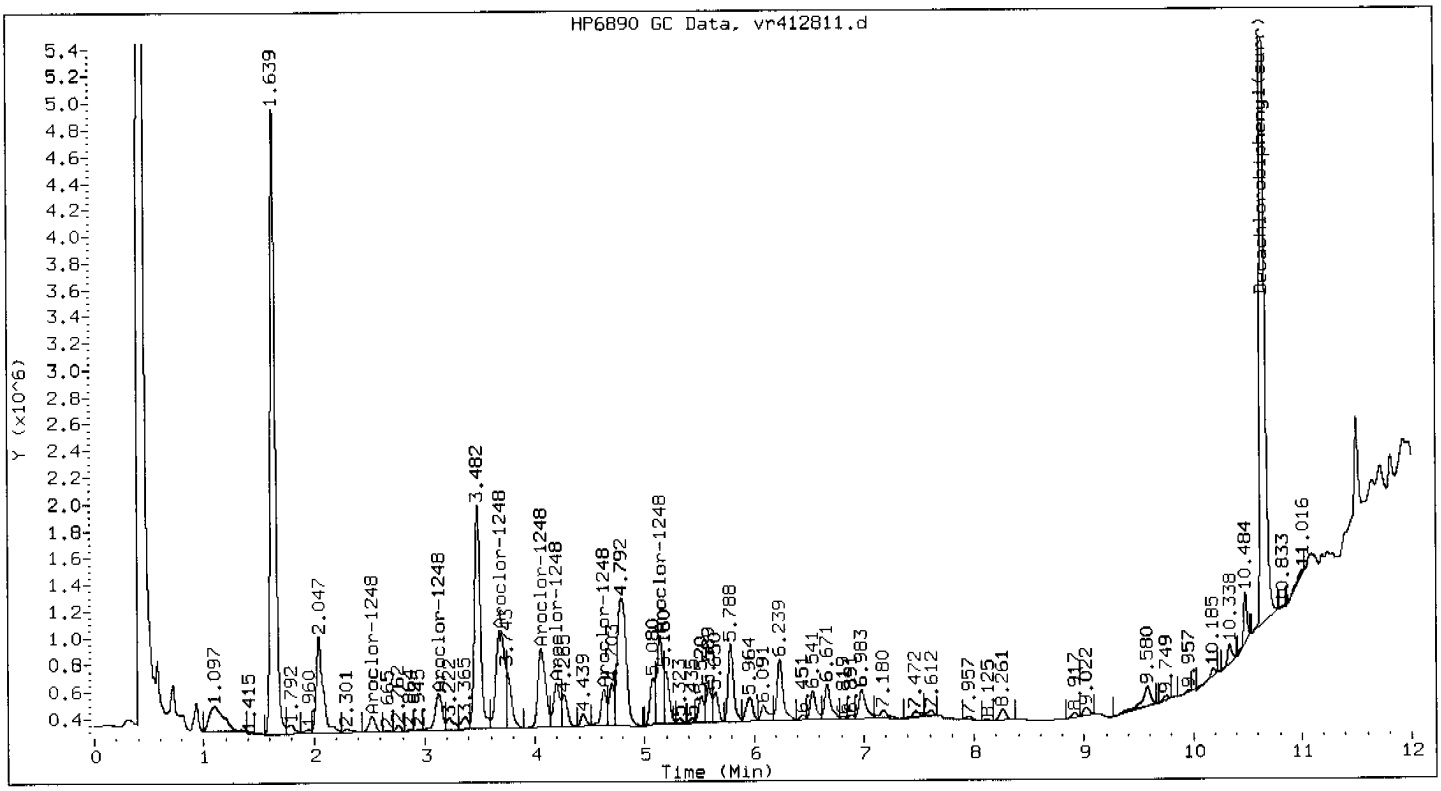
Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1016	(M)	2.080	2.078	0.002	3651525	554.481	369.654
(2)		2.528	2.526	0.003	6614516	600.338	400.226
(3)		2.783	2.780	0.003	4291799	620.428	413.619
(4)		3.136	3.133	0.003	14935290	670.900	447.267
(5)		3.341	3.337	0.003	6148989	636.023	424.015
(6)		------	3.437	------	------	------	------ (*)
(7)		4.060	4.058	0.003	6210015	618.284	412.190
(8)		4.205	4.203	0.002	2930567	653.902	435.935
Average of peak concentrations:							410.00
Aroclor-1260		6.093	6.091	0.002	9476658	627.896	418.598
(2)		6.543	6.543	0.001	16780376	626.122	417.415
(3)		6.988	6.986	0.002	14796887	606.181	404.121
(4)		7.185	7.183	0.002	8126329	628.569	419.046
(5)		7.624	7.623	0.001	7879879	623.452	415.635
(6)		8.922	8.922	0.000	9318571	647.969	431.979

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
(7)	9.139	9.140	0.001	5527548	626.713	417.809
(8)	10.186	10.186	0.000	4707590	675.308	450.205
Average of peak concentrations:						420.00
Decachlorobiphenyl(surr)	10.645	10.645	0.000	14293352	63.030	42.020

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m
Sample Info : 775282;3290314
Lab ID : 775282
Inj Date : 10-OCT-2006 05:35
Operator :
Cpnd Sublist: PCB8082+

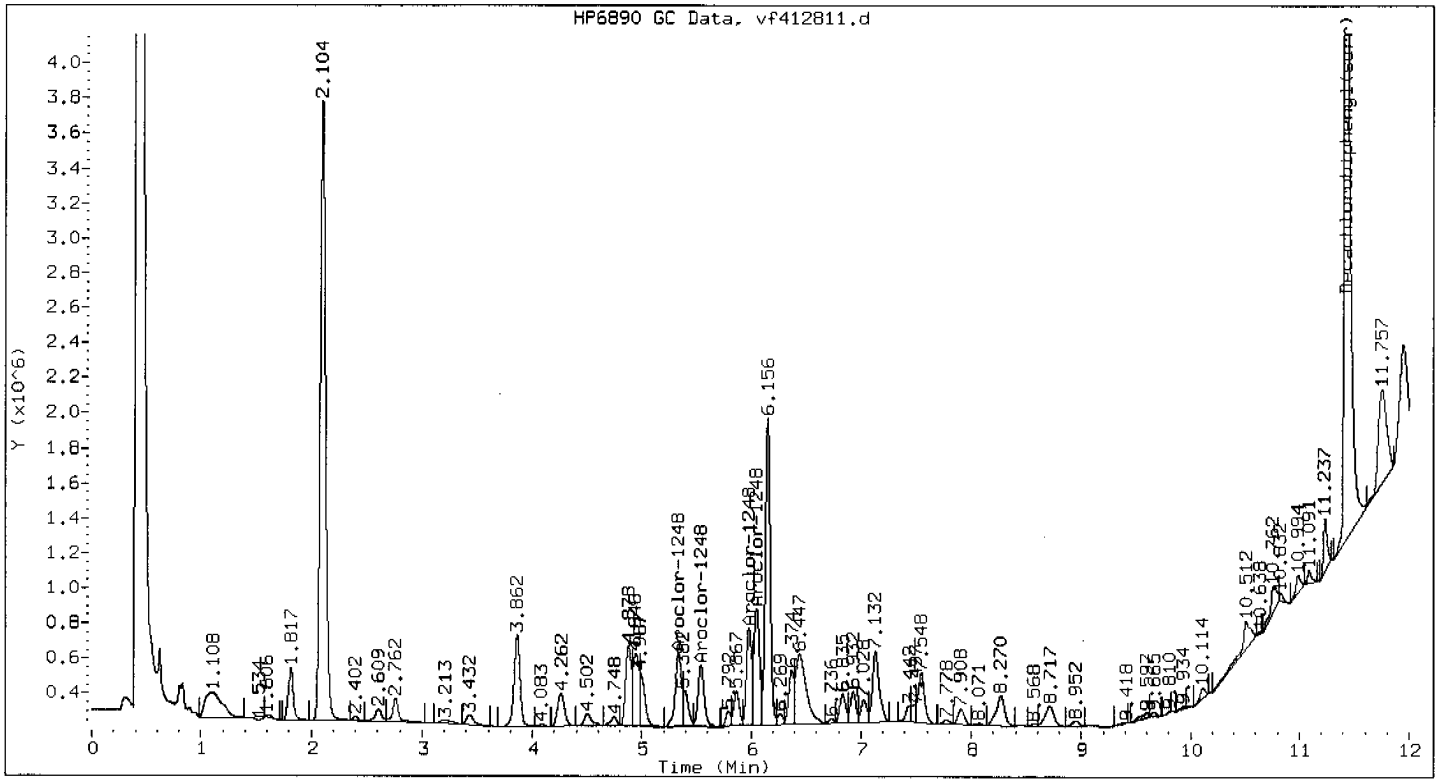
10/10/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	2.525	2.516	0.009	473799	102.178	81.093
(2)		3.128	3.122	0.007	1233938	107.645	85.433
(3)		------	3.427	------	------	------	------ (*)
(4)		3.687	3.678	0.008	3991889	286.102	227.065
(5)		4.055	4.047	0.008	2833858	222.704	176.749
(6)		4.196	4.191	0.005	1290847	182.653	144.963
(7)		4.627	4.619	0.008	953971	142.359	112.983
(8)		5.143	5.133	0.010	2508263	246.108	195.324
Average of peak concentrations:							150.00
Decachlorobiphenyl(surr)		10.644	10.645	0.001	18552133	81.810	64.928

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



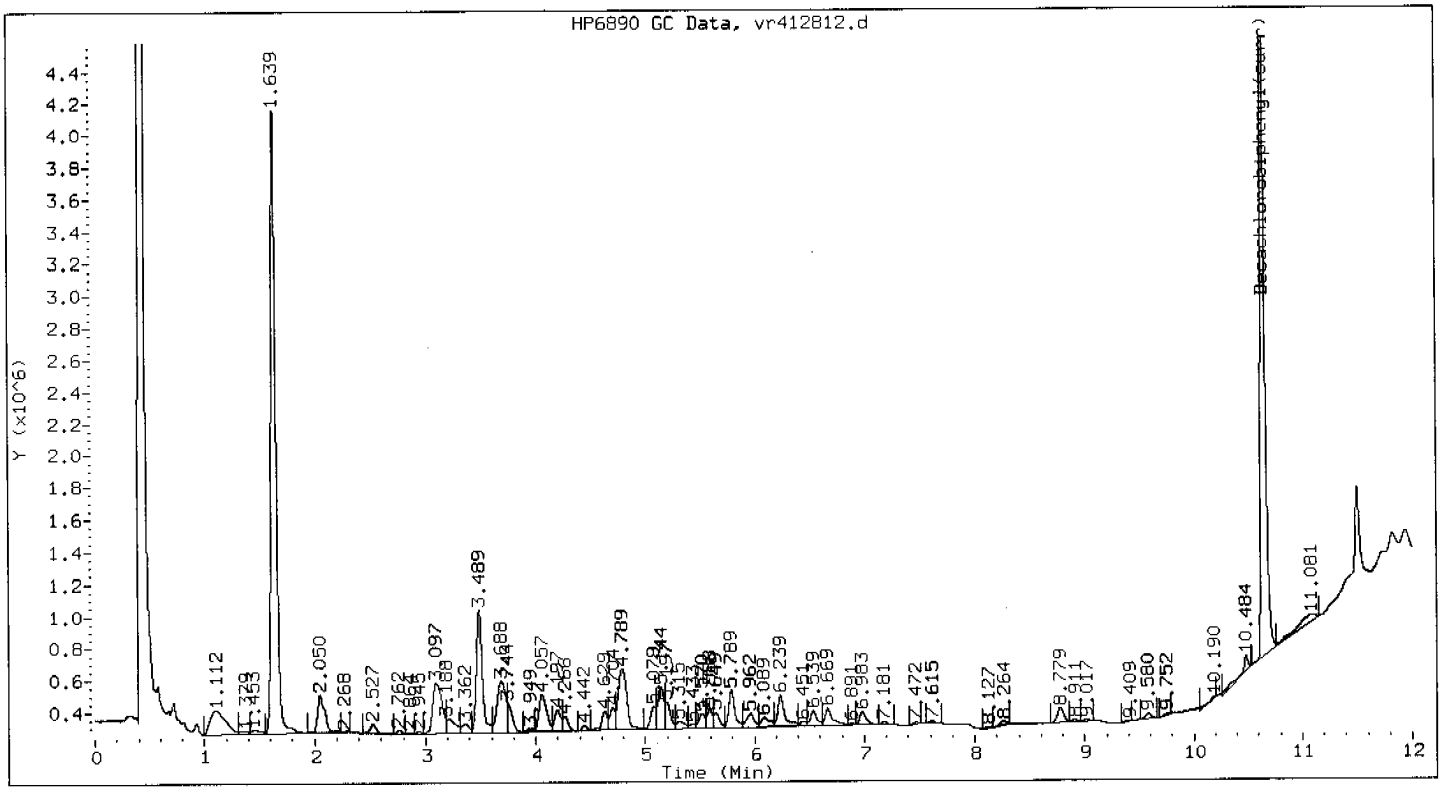
Method : /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b/05Vf8082.m
Sample Info : 775282;3290314
Lab ID : 775282
Inj Date : 10-OCT-2006 05:35
Operator :
Cpnd Sublist: PCB8082+ 10/10/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)	
Aroclor-1248	(M)	------	3.423	------	------	------	------	(*)
(2)		------	4.256	------	------	------	------	(*)
(3)		------	4.688	------	------	------	------	(*)
(4)		------	4.872	------	------	------	------	(*)
(5)		5.336	5.331	0.005	1712864	154.193	122.376	
(6)		5.540	5.538	0.002	1387761	173.864	137.987	
(7)		5.982	5.977	0.005	1850581	236.937	188.045	
(8)		6.053	6.047	0.007	2492699	225.446	178.925	
Average of peak concentrations:							160.00	
Decachlorobiphenyl(surr)		11.427	11.424	0.003	17740176	112.104	88.972	

COMMENTS:

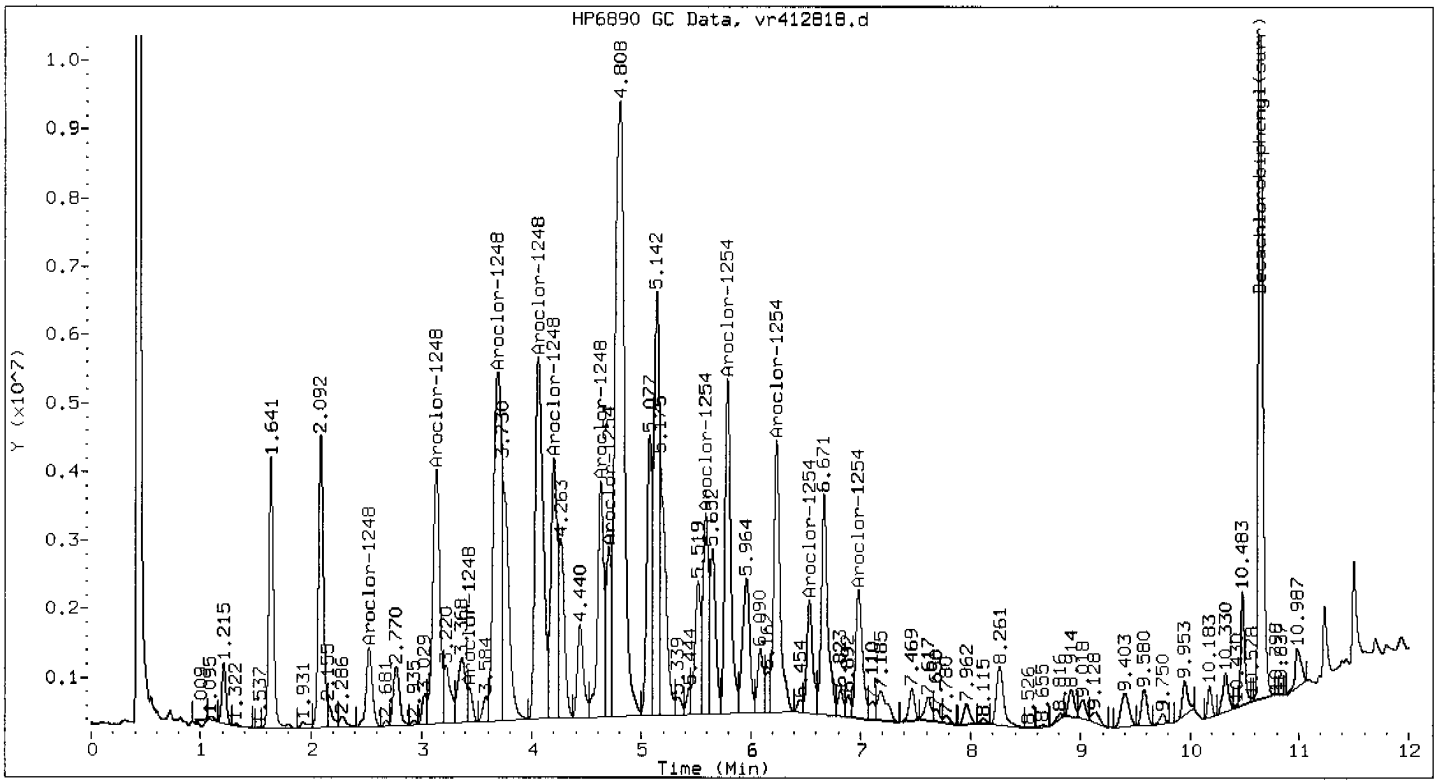
* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m
Sample Info : 775283;3290315
Lab ID : 775283
Inj Date : 10-OCT-2006 05:50
Operator :
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	10.644	10.645	0.001	12218376	53.880	43.069



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m
Sample Info : 775278;3290312
Lab ID : 775278
Inj Date : 10-OCT-2006 07:24
Operator :
Cpnd Sublist: PCB8082+

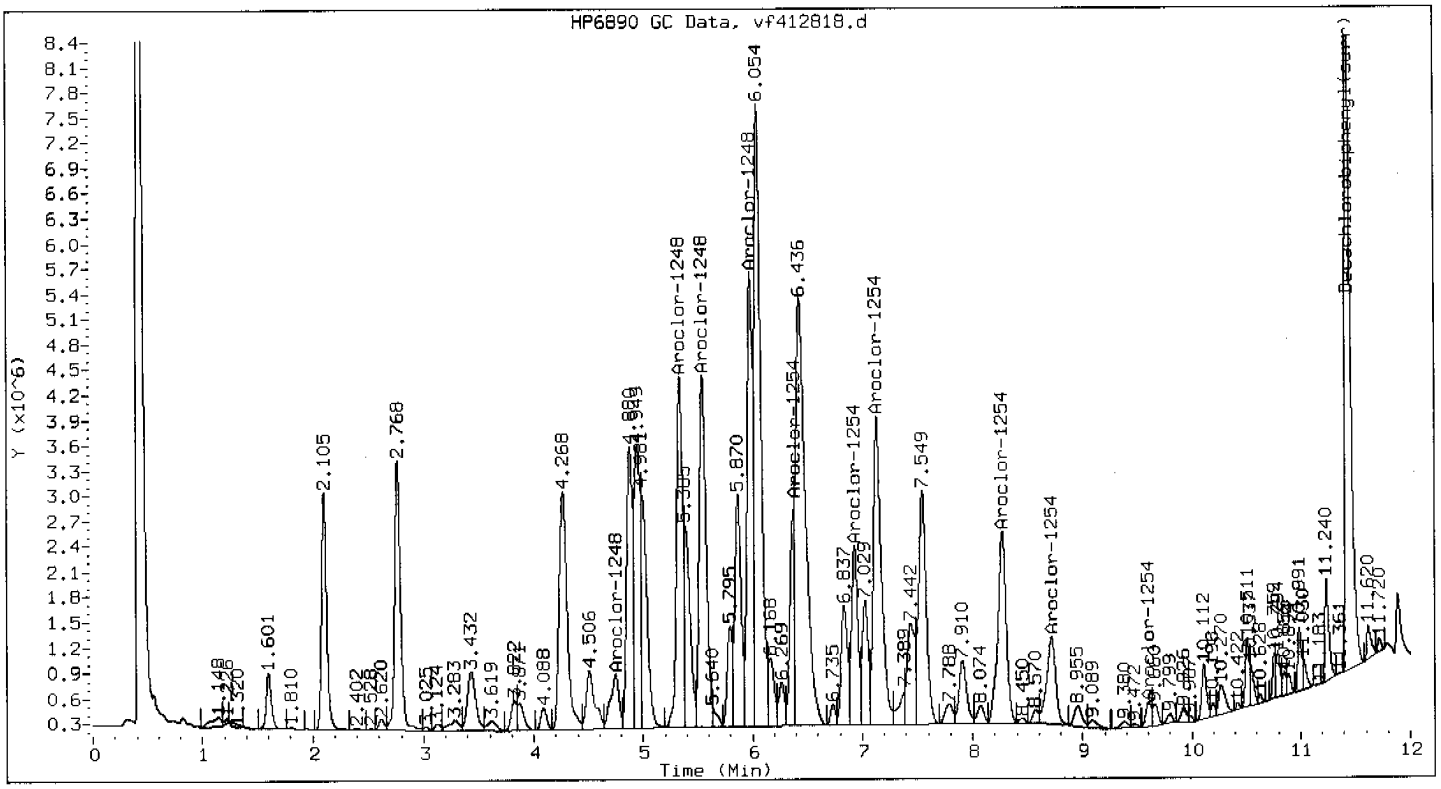
Inst ID : PESTGC9.i
Dil Factor : 2
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1248	(M)	2.526	2.516	0.011	4406426	950.273	1464.775
(2)		3.135	3.122	0.014	16557654	1444.439	2226.496
(3)		3.430	3.427	0.004	1539620	519.097	800.150
(4)		3.690	3.678	0.011	24766796	1775.058	2736.120
(5)		4.057	4.047	0.011	26235255	2061.742	3178.023
(6)		4.200	4.191	0.010	15656860	2215.421	3414.907
(7)		4.628	4.619	0.009	13628828	2033.795	3134.944
(8)		------	5.133	------	------	------	------ (*)
Average of peak concentrations:							2400.00
Aroclor-1254	(M)	4.703	4.695	0.008	7319450	730.425	1125.895
(2)		------	4.768	------	------	------	------ (*)
(3)		------	5.135	------	------	------	------ (*)
(4)		5.590	5.579	0.011	10549547	1024.594	1579.335
(5)		5.789	5.780	0.009	18423316	947.500	1460.501
(6)		6.239	6.230	0.008	16549891	1044.628	1610.217

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
(7)	6.540	6.530	0.009	6338397	422.091	650.621
(8)	6.984	6.975	0.009	7991380	409.943	631.896
Average of peak concentrations:						1200.00
Decachlorobiphenyl(surr)	10.643	10.645	0.002	32719666	144.285	222.404

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b/05Vf8082.m
Sample Info : 775278;3290312
Lab ID : 775278
Inj Date : 10-OCT-2006 07:24
Operator :
Cpnd Sublist: PCB8082+

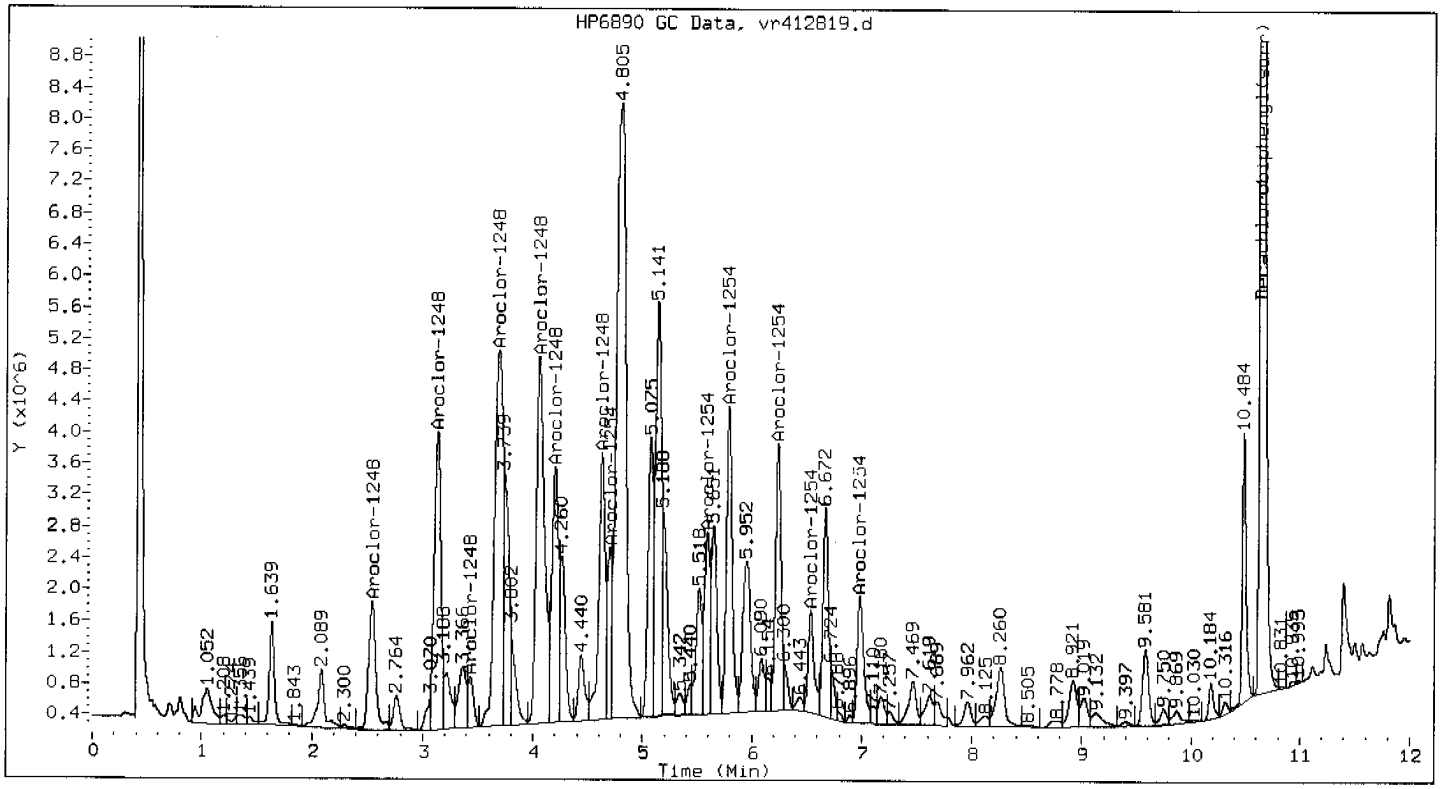
Inst ID : PESTGC9.i
Dil Factor : 2
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)	
Aroclor-1248	(M)	------	3.423	------	------	------	------	(*)
(2)		------	4.256	------	------	------	------	(*)
(3)		4.748	4.688	0.060	3506857	1212.029	1868.254	
(4)		------	4.872	------	------	------	------	(*)
(5)		5.338	5.331	0.007	17234156	1551.431	2391.416	
(6)		5.545	5.538	0.006	18744247	2348.345	3619.800	
(7)		5.984	5.977	0.006	18611564	2382.912	3673.081	
(8)		------	6.047	------	------	------	------	(*)
Average of peak concentrations:							2900.00	
Aroclor-1254	(M)	------	4.871	------	------	------	------	(*)
(2)		------	6.040	------	------	------	------	(*)
(3)		6.390	6.364	0.026	7174849	675.557	1041.321	
(4)		6.934	6.926	0.008	8449970	1232.372	1899.610	
(5)		7.135	7.125	0.009	18412455	1180.002	1818.885	
(6)		8.271	8.252	0.019	12114958	1086.288	1674.433	

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
(7)	8.717	8.707	0.010	6159028	408.360	629.457
(8)	9.604	9.594	0.010	1002506	360.864	556.245
Average of peak concentrations:						1300.00
Decachlorobiphenyl(surr)	11.430	11.424	0.005	32199556	203.476	313.644

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m
Sample Info : 775281;3290313
Lab ID : 775281
Inj Date : 10-OCT-2006 07:39
Operator :
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 5
Sample Matrix : SOIL
Sample Type: SAMPLE

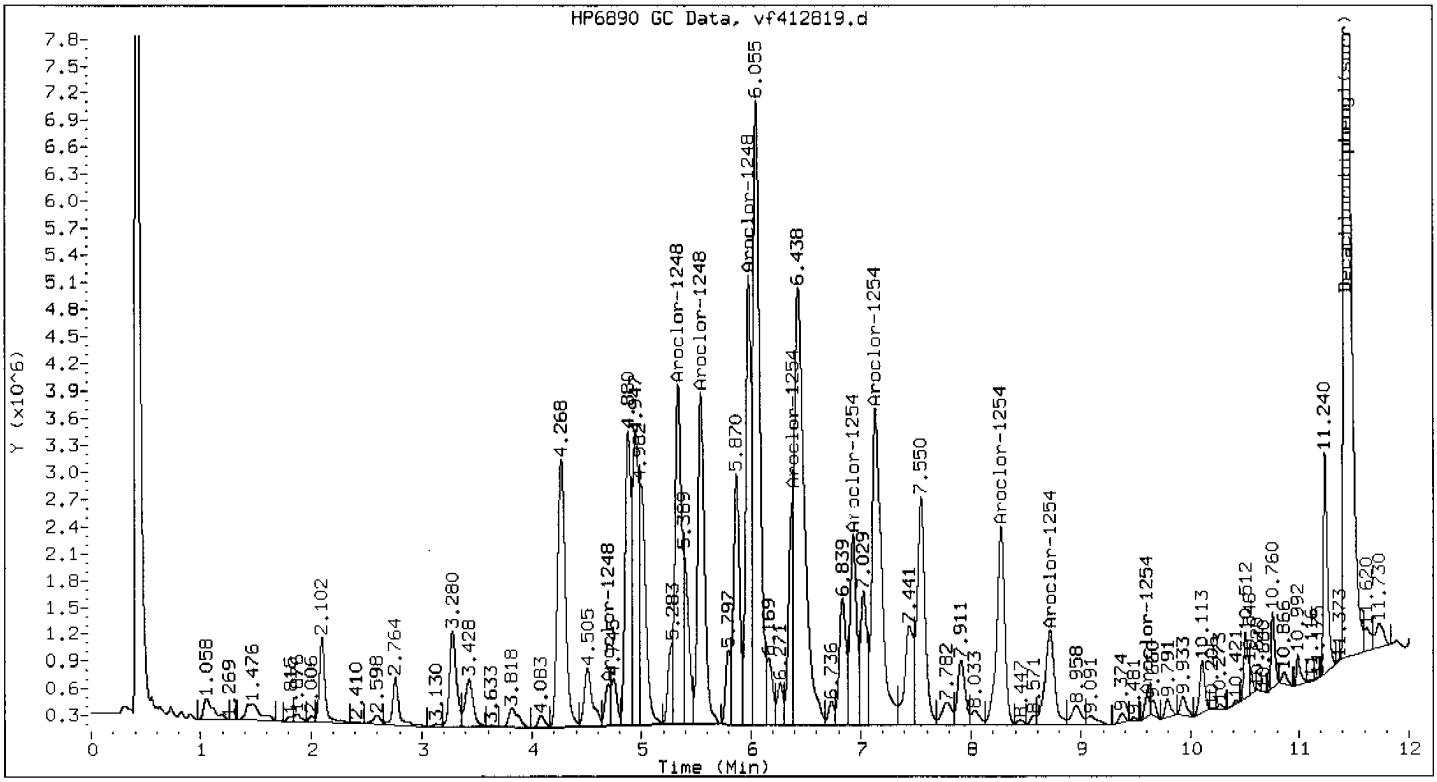
Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1248	(M)	2.547	2.516	0.031	7689563	1658.302	6549.375
(2)		3.133	3.122	0.011	15972899	1393.427	5503.266
(3)		3.433	3.427	0.006	2396414	807.973	3191.048
(4)		3.688	3.678	0.010	26301151	1885.027	7444.812
(5)		4.055	4.047	0.008	24075774	1892.036	7472.495
(6)		4.199	4.191	0.008	13620504	1927.280	7611.689
(7)		4.627	4.619	0.008	13934277	2079.376	8212.387
(8)		------	5.133	------	------	------	------ (*)
Average of peak concentrations:							6600.00
Aroclor-1254	(M)	4.702	4.695	0.007	6222067	620.914	2452.268
(2)		------	4.768	------	------	------	------ (*)
(3)		------	5.135	------	------	------	------ (*)
(4)		5.591	5.579	0.013	8192893	795.711	3142.617
(5)		5.789	5.780	0.009	14198923	730.242	2884.053
(6)		6.240	6.230	0.010	12314600	777.297	3069.893

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
(7)	6.540	6.530	0.009	5108653	340.199	1343.597
(8)	6.985	6.975	0.011	6894062	353.652	1396.731
Average of peak concentrations:						2400.00
Decachlorobiphenyl(surr)	10.644	10.645	0.001	78523112	346.265	1367.555

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.

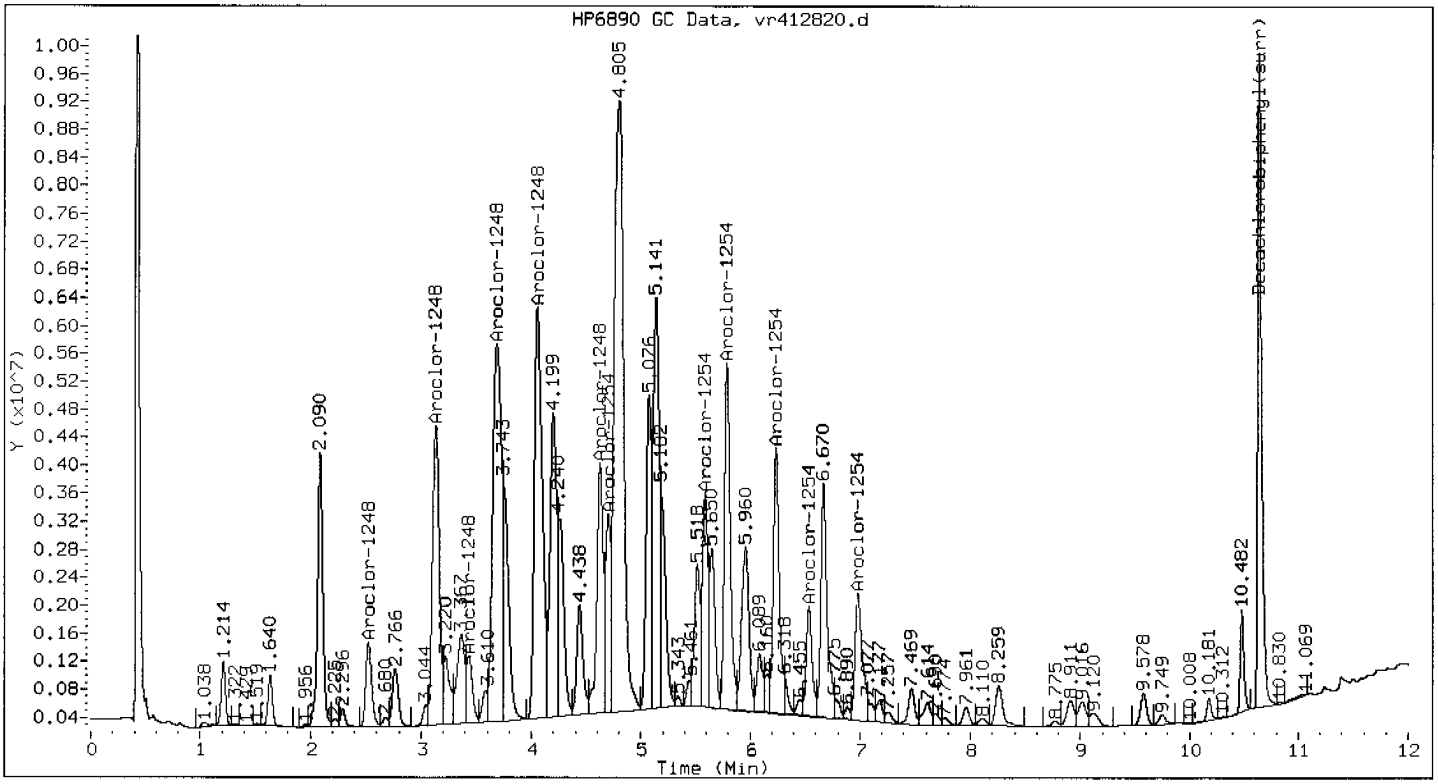
M - Compound response manually integrated.


HP6890 GC Data, vf412819.d
Y (x10^6)
Time (Min)
Aroclor-1248
Aroclor-1254
Aroclor-1254
Aroclor-1248
Aroclor-1248
Aroclor-1254
Aroclor-1254
Aroclor-1254

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
(7)	8.719	8.707	0.012	6566243	435.360	1719.431
(8)	9.605	9.594	0.011	760579	273.779	1081.277
Average of peak concentrations:						3300.00
Decachlorobiphenyl(surr)	11.429	11.424	0.005	77304049	488.502	1929.314

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06e.b/05Vr8082.m
Sample Info : 775289;3290316
Lab ID : 775289
Inj Date : 10-OCT-2006 07:55
Operator :
Cpnd Sublist: PCB8082+ 10/10/06

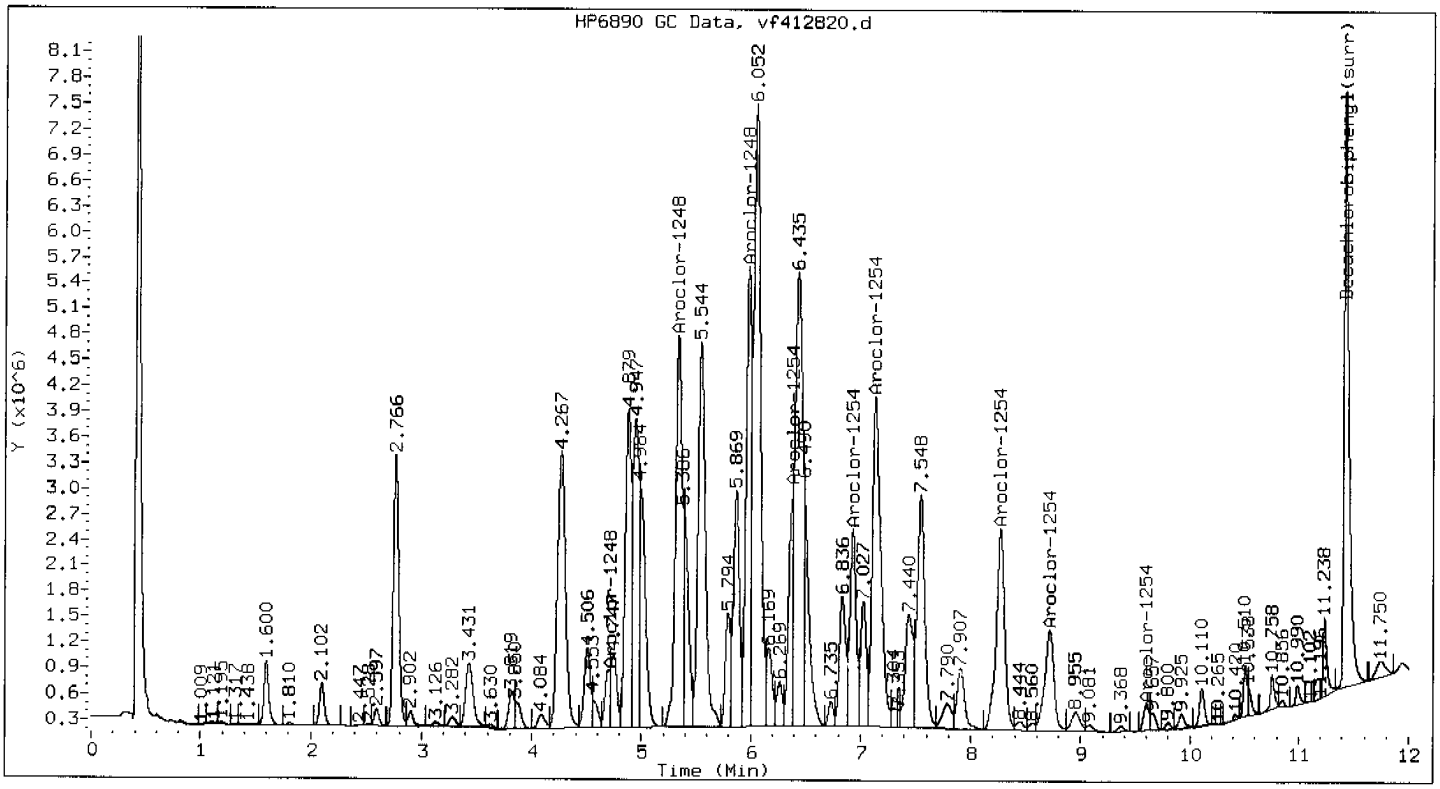
Inst ID : PESTGC9.i
Dil Factor : 5
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	2.525	2.516	0.010	4517656	974.260	3926.886
(2)		3.135	3.122	0.013	18323175	1598.458	6442.797
(3)		3.434	3.427	0.007	3647737	1229.868	4957.148
(4)		3.687	3.678	0.009	29525970	2116.152	8529.432
(5)		4.055	4.047	0.009	29863720	2346.891	9459.457
(6)		------	4.191	------	------	------	------ (*)
(7)		4.627	4.619	0.008	14266880	2129.010	8581.257
(8)		------	5.133	------	------	------	------ (*)
Average of peak concentrations:							7000.00
Aroclor-1254	(M)	4.702	4.695	0.007	8811009	879.271	3544.017
(2)		------	4.768	------	------	------	------ (*)
(3)		------	5.135	------	------	------	------ (*)
(4)		5.589	5.579	0.010	11030958	1071.349	4318.216
(5)		5.788	5.780	0.008	18683623	960.888	3872.985
(6)		6.239	6.230	0.008	14811937	934.929	3768.354

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
(7)	6.539	6.530	0.008	6093994	405.815	1635.692
(8)	6.983	6.975	0.008	8580632	440.170	1774.164
Average of peak concentrations:						3200.00
Decachlorobiphenyl(surr)	10.643	10.645	0.002	23202400	102.316	412.398

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06e.b/05Vf8082.m
Sample Info : 775289;3290316
Lab ID : 775289
Inj Date : 10-OCT-2006 07:55
Operator :
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 5
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)	
Aroclor-1248	(M)	------	3.423	------	------	------	------	(*)
(2)		------	4.256	------	------	------	------	(*)
(3)		4.716	4.688	0.028	2104539	727.365	2931.739	
(4)		------	4.872	------	------	------	------	(*)
(5)		5.336	5.331	0.006	19596765	1764.115	7110.500	
(6)		------	5.538	------	------	------	------	(*)
(7)		5.983	5.977	0.006	18470516	2364.853	9531.853	
(8)		------	6.047	------	------	------	------	(*)
Average of peak concentrations:							6500.00	
Aroclor-1254	(M)	------	4.871	------	------	------	------	(*)
(2)		------	6.040	------	------	------	------	(*)
(3)		6.390	6.364	0.026	7456279	702.056	2829.728	
(4)		6.932	6.926	0.006	9066922	1322.350	5329.908	
(5)		7.134	7.125	0.008	20733862	1328.774	5355.800	
(6)		8.270	8.252	0.018	12616035	1131.217	4559.521	

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
(7)	8.718	8.707	0.011	6966205	461.879	1861.663
(8)	9.601	9.594	0.008	1180696	425.006	1713.041
Average of peak concentrations:						3600.00
Decachlorobiphenyl(surr)	11.426	11.424	0.002	20826620	131.608	530.465

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06f.b/vr412822.d
Method: /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06f.b/05Vr8082.m

Sample Information: 1660-1000F
Injection Date: 10-OCT-2006 08:26

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.078	1000	965.68	3.43
Aroclor-1016	2	2.526	1000	1072.32	7.23
Aroclor-1016	3	2.780	1000	1124.68	12.47
Aroclor-1016	4	3.133	1000	1124.54	12.45
Aroclor-1016	5	3.338	1000	1102.77	10.28
Aroclor-1016	6	3.437	1000	0.00	100.00*
Aroclor-1016	7	4.057	1000	1083.74	8.37
Aroclor-1016	8	4.202	1000	1143.76	14.38
Aroclor-1260	1	6.088	1000	1018.62	1.86
Aroclor-1260	2	6.539	1000	996.78	0.32
Aroclor-1260	3	6.982	1000	1010.15	1.01
Aroclor-1260	4	7.180	1000	980.90	1.91
Aroclor-1260	5	7.618	1000	1007.27	0.73
Aroclor-1260	6	8.915	1000	1077.48	7.75
Aroclor-1260	7	9.133	1000	1101.90	10.19
Aroclor-1260	8	10.183	1000	1057.93	5.79

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.639	100	104.03	4.03
Decachlorobiphenyl(sur	10.643	100	96.89	3.11

* Multicomponent peak not used in calibration.

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-02-06aical/02oct06a.b/vr412586.d
Injection Date: 02-OCT-2006 04:46

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-09-06/09oct06f.b/vr412822.d
Injection Date: 10-OCT-2006 08:26

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.077	(2.007 - 2.147)	2.078	
	2.525	(2.455 - 2.595)	2.526	
	2.778	(2.708 - 2.848)	2.780	
	3.132	(3.062 - 3.202)	3.133	
	3.336	(3.266 - 3.406)	3.338	
	3.436	(3.366 - 3.506)	3.437	
	4.056	(3.986 - 4.126)	4.057	
	4.202	(4.132 - 4.272)	4.202	
Aroclor-1260	6.088	(6.018 - 6.158)	6.088	
	6.539	(6.469 - 6.609)	6.539	
	6.982	(6.912 - 7.052)	6.982	
	7.180	(7.110 - 7.250)	7.180	
	7.619	(7.549 - 7.689)	7.618	
	8.916	(8.846 - 8.986)	8.915	
	9.133	(9.063 - 9.203)	9.133	
	10.182	(10.112 - 10.252)	10.183	
Tetrachloro-m-xylene(surr)	1.639	(1.589 - 1.689)	1.639	
Decachlorobiphenyl(surr)	10.642	(10.542 - 10.742)	10.643	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06f.b/vf412822.d
Method: /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06f.b/05Vf8082.m

Sample Information: 1660-1000F
Injection Date: 10-OCT-2006 08:26

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.805	1000	1140.93	14.09
Aroclor-1016	2	3.435	1000	1209.46	20.95<-
Aroclor-1016	3	3.878	1000	1164.02	16.40<-
Aroclor-1016	4	4.267	1000	1165.47	16.55<-
Aroclor-1016	5	4.514	1000	1114.79	11.48
Aroclor-1016	6	4.694	1000	1144.75	14.47
Aroclor-1016	7	4.947	1000	1090.92	9.09
Aroclor-1016	8	5.337	1000	1035.82	3.58
Aroclor-1260	1	7.487	1000	1074.32	7.43
Aroclor-1260	2	7.907	1000	1099.62	9.96
Aroclor-1260	3	8.712	1000	1137.86	13.79
Aroclor-1260	4	8.950	1000	1122.18	12.22
Aroclor-1260	5	9.089	1000	1126.72	12.67
Aroclor-1260	6	9.667	1000	1114.82	11.48
Aroclor-1260	7	10.513	1000	1112.04	11.20
Aroclor-1260	8	10.994	1000	1137.37	13.74

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.102	100	109.58	9.58
Decachlorobiphenyl(sur	11.433	100	107.48	7.48

1 10/10/6

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-02-06aical/02oct06a.b/vf412586.d
Injection Date: 02-OCT-2006 04:46

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-09-06/09oct06f.b/vf412822.d
Injection Date: 10-OCT-2006 08:26

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.805	(2.735 - 2.875)	2.805	
	3.436	(3.366 - 3.506)	3.435	
	3.879	(3.809 - 3.949)	3.878	
	4.268	(4.198 - 4.338)	4.267	
	4.515	(4.445 - 4.585)	4.514	
	4.696	(4.626 - 4.766)	4.694	
	4.947	(4.877 - 5.017)	4.947	
	5.337	(5.267 - 5.407)	5.337	
Aroclor-1260	7.490	(7.420 - 7.560)	7.487	
	7.911	(7.841 - 7.981)	7.907	
	8.717	(8.647 - 8.787)	8.712	
	8.954	(8.884 - 9.024)	8.950	
	9.093	(9.023 - 9.163)	9.089	
	9.670	(9.600 - 9.740)	9.667	
	10.514	(10.444 - 10.584)	10.513	
	10.988	(10.918 - 11.058)	10.994	
Tetrachloro-m-xylene(surr)	2.104	(2.054 - 2.154)	2.102	
Decachlorobiphenyl(surr)	11.415	(11.315 - 11.515)	11.433	

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Calibration Files:

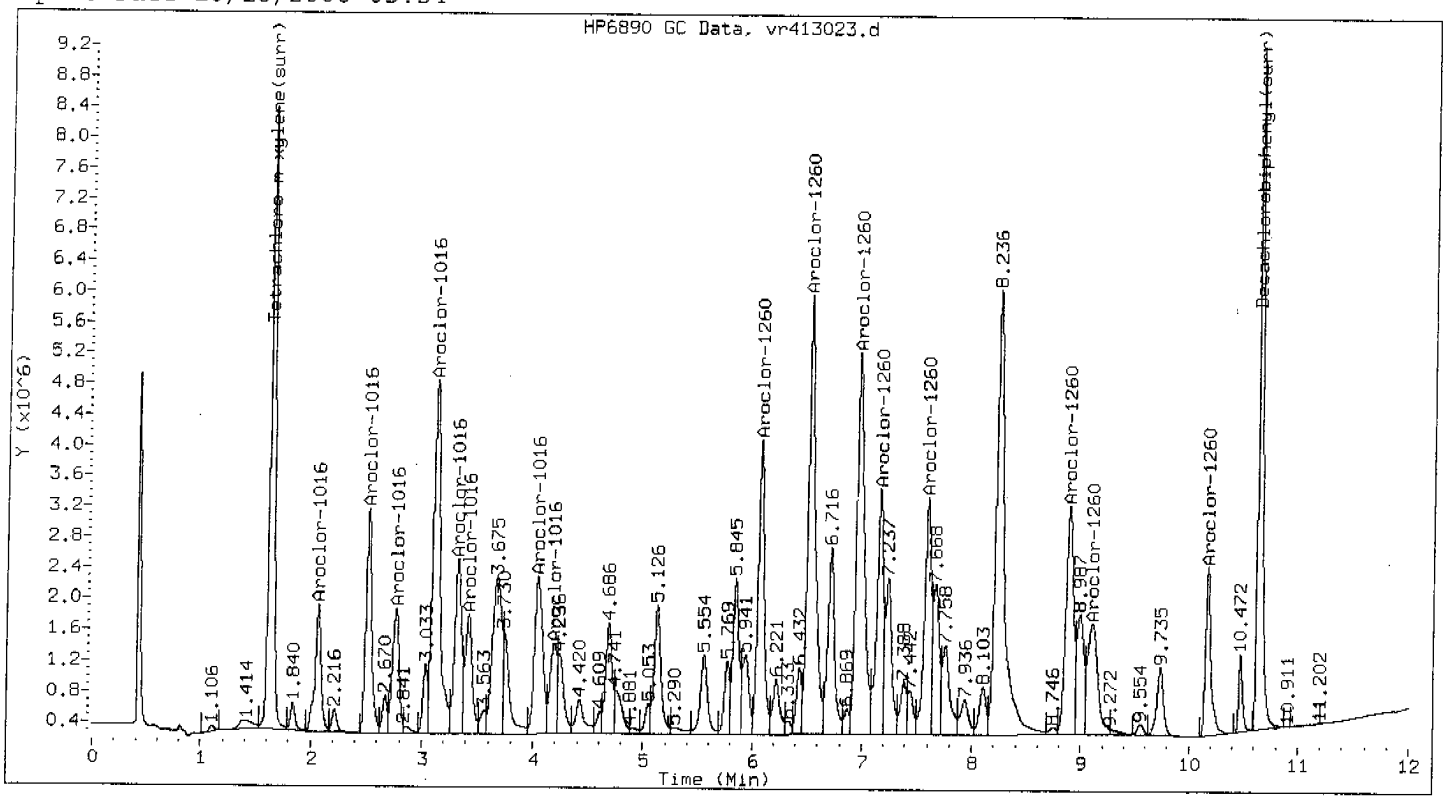
/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413024.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413025.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413023.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413026.d
/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413027.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	Coefficients a1	Coefficients a2	%RSD or R^2
Aroclor-1016	1	7403.62	6601.92	6306.06	5131.83	5300.49		6148.78		15.33958
	2	13259.83	12085.78	10726.13	8460.70	8659.86		10638.46		19.73493
	3	7913.31	7652.80	6856.19	5437.02	5791.72		6730.21		16.31018
	4	23627.54	24822.60	21956.01	17348.14	17919.20		21134.70		15.89951
	5	9652.54	10527.48	9837.24	7797.34	8073.89		9177.70		12.89938
	6	5910.40	7525.53	6645.83	5432.83	5701.45		6243.21		13.56153
	7	10801.04	10604.74	10534.15	8382.67	8872.24		9838.97		11.42072
	8	3843.62	5020.12	4877.74	4199.49	4307.64		4449.72		11.00227
Aroclor-1260	1	17325.66	15973.58	15318.18	12226.15	12653.53		14699.42		14.90701
	2	32467.10	28146.74	26802.40	21386.06	22230.77		26206.61		17.31456
	3	27245.64	25540.14	24962.80	20149.67	21274.24		23834.50		12.57824
	4	15442.71	13937.28	13383.90	10709.94	11266.62		12948.09		15.06915
	5	14533.00	13301.39	12995.37	10496.48	11066.84		12478.62		13.34136
	6	14164.41	14955.48	14718.81	12087.84	12832.17		13751.74		9.03043
	7	9172.41	10554.85	9649.42	8550.99	9133.14		9412.16		7.94886
	8	6740.23	8132.61	7639.53	6209.05	6527.54		7049.79		11.42675
Tetrachloro-m-xylene(surr)		246738.08	260727.10	243747.14	230349.59	219878.55		240288.09		6.53609
Decachlorobiphenyl(surr)		280567.80	262551.38	241050.21	210390.63	187644.86		236440.98		15.97938

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1660-1000A
Lab ID : 1660-1000A
Inj Date : 17-OCT-2006 14:19
Operator :
Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1016	(M)	2.067	2.067	0.000	6306064	1025.579	1025.579
(2)		2.514	2.514	0.000	10726127	1008.241	1008.241
(3)		2.768	2.768	0.000	6856188	1018.719	1018.719
(4)		3.120	3.120	0.000	21956014	1038.861	1038.861
(5)		3.321	3.321	0.000	9837235	1071.863	1071.863
(6)		3.419	3.419	0.000	6645833	1064.490	1064.490
(7)		4.038	4.038	0.000	10534150	1070.656	1070.656
(8)		4.183	4.183	0.000	4877736	1096.189	1096.189
Average of peak concentrations:							1000.00
Aroclor-1260	(M)	6.070	6.070	0.000	15318181	1042.094	1042.094
(2)		6.521	6.521	0.000	26802402	1022.734	1022.734
(3)		6.964	6.964	0.000	24962804	1047.339	1047.339
(4)		7.160	7.160	0.000	13383901	1033.658	1033.658
(5)		7.597	7.597	0.000	12995370	1041.411	1041.411
(6)		8.886	8.886	0.000	14718809	1070.323	1070.323

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)		9.102	9.102	0.000	9649416	1025.207	1025.207
(8)		10.168	10.168	0.000	7639532	1083.654	1083.654
Average of peak concentrations:							1000.00
Tetrachloro-m-xylene(surr)	(M)	1.630	1.630	0.000	24374714	101.440	101.440
Decachlorobiphenyl(surr)		10.634	10.634	0.000	24105021	101.949	101.949

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Calibration Files:

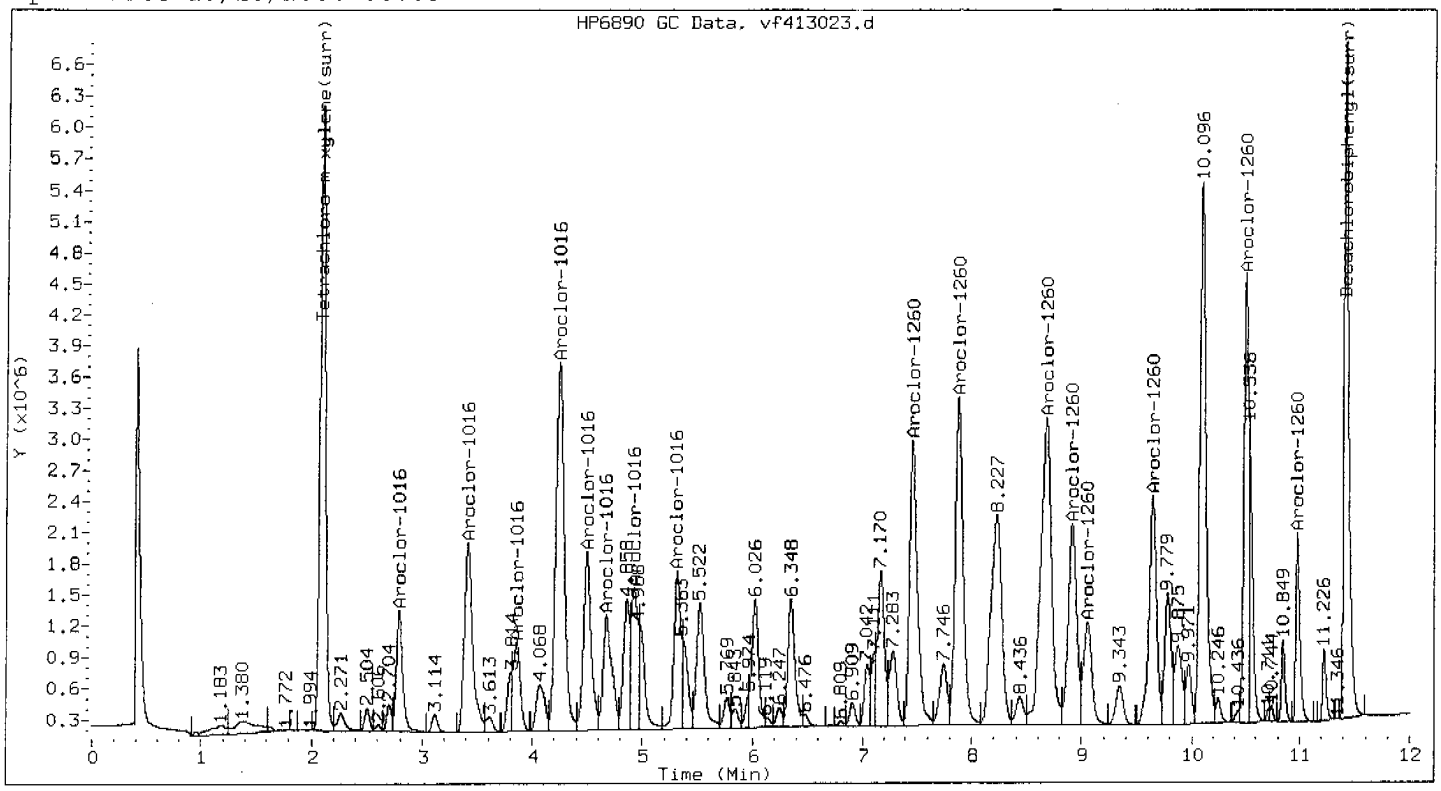
/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413024.d
/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413025.d
/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413023.d
/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413026.d
/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413027.d

Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Coefficients a0	Coefficients a1	Coefficients a2	%RSD or R^2
Aroclor-1016	1	5195.78	4821.50	4730.58	3701.96	4033.65		4496.69		13.59531
	2	9527.05	10583.60	9895.13	7933.80	8415.19		9270.95		11.69033
	3	3678.25	3994.27	3938.76	3149.71	3598.57		3671.91		9.16726
	4	17208.52	18918.96	18882.29	15334.16	16520.94		17372.98		8.90698
	5	9122.95	8342.16	8553.78	7001.51	7632.38		8130.56		10.16396
	6	5447.78	5712.49	6112.34	5001.01	5701.01		5594.93		7.29956
	7	5326.20	5942.52	5729.28	4678.03	5135.10		5362.23		9.28933
	8	7684.86	6387.71	6396.57	5116.35	5792.85		6275.67		15.09608
Aroclor-1260	1	14336.41	13605.96	13782.25	11173.15	12149.57		13009.47		10.04082
	2	16087.74	15319.78	15770.15	12800.30	13920.05		14779.60		9.35134
	3	19540.60	19254.28	21025.14	17365.90	19096.86		19256.56		6.77520
	4	10108.05	9738.45	10509.94	8632.02	9363.14		9670.32		7.44555
	5	4670.66	4594.98	5312.85	4379.79	4976.43		4786.94		7.59431
	6	9288.41	9665.33	10547.67	8702.03	9078.74		9456.44		7.42963
	7	11920.26	12127.98	13028.46	10505.62	11072.72		11731.01		8.32136
	8	4190.09	4473.60	4776.23	3915.32	4416.28		4354.31		7.40419
Tetrachloro-m-xylene(surr)		172710.84	195521.66	203018.67	192466.85	189351.85		190613.97		5.88599
Decachlorobiphenyl(surr)		203323.24	203657.24	196935.36	183818.44	177559.80		193058.82		6.11957

Comments:

* = %RSD exceeded maximum upper limit. Linear regression used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1660-1000A
Lab ID : 1660-1000A
Inj Date : 17-OCT-2006 14:19
Operator :
Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1016	(M)	2.790	2.790	0.000	4730578	1052.013	1052.013
(2)		3.416	3.416	0.000	9895127	1067.326	1067.326
(3)		3.857	3.857	0.000	3938760	1072.673	1072.673
(4)		4.245	4.245	0.000	18882293	1086.877	1086.877
(5)		4.493	4.493	0.000	8553784	1052.054	1052.054
(6)		4.673	4.673	0.000	6112344	1092.480	1092.480
(7)		4.925	4.925	0.000	5729279	1068.452	1068.452
(8)		5.316	5.316	0.000	6396566	1019.265	1019.265
Average of peak concentrations:							1100.00
Aroclor-1260	(M)	7.463	7.463	0.000	13782247	1059.401	1059.401
(2)		7.881	7.881	0.000	15770153	1067.021	1067.021
(3)		8.681	8.681	0.000	21025138	1091.843	1091.843
(4)		8.916	8.916	0.000	10509944	1086.825	1086.825
(5)		9.055	9.055	0.000	5312848	1109.863	1109.863
(6)		9.642	9.642	0.000	10547674	1115.396	1115.396

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
(7)	10.502	10.502	0.000	13028460	1110.600	1110.600
(8)	10.981	10.981	0.000	4776235	1096.899	1096.899
Average of peak concentrations:						1100.00
Tetrachloro-m-xylene(surr)	2.091	2.091	0.000	20301867	106.508	106.508
Decachlorobiphenyl(surr)	11.416	11.416	0.000	19693536	102.008	102.008

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

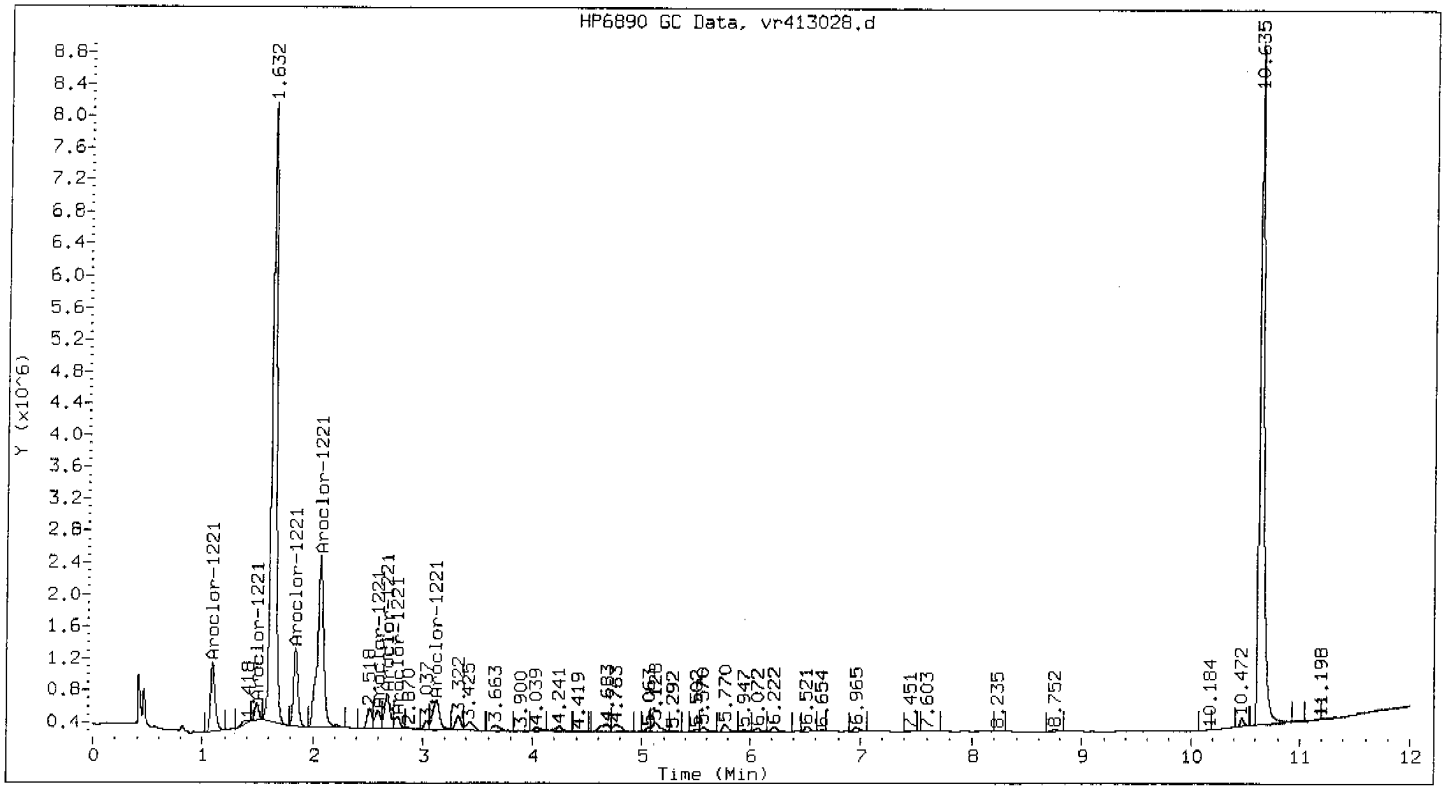
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413028.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2508.74
2	552.01
3	2938.23
4	8621.96
5	812.41
6	1594.92
7	597.46
8	1561.87

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1221-1000A
Lab ID : 1221-1000A
Inj Date : 17-OCT-2006 15:37
Operator :
Cpnd Sublist: AR12210 10/18/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.091	1.091	0.000	2508736	1000.000	1000.000
(2)		1.492	1.492	0.000	552009	1000.000	1000.000
(3)		1.844	1.844	0.000	2938228	1000.000	1000.000
(4)		2.070	2.070	0.000	8621957	1000.000	1000.000
(5)		2.594	2.594	0.000	812410	1000.000	1000.000
(6)		2.677	2.677	0.000	1594922	1000.000	1000.000
(7)		2.770	2.770	0.000	597462	1000.000	1000.000
(8)		3.123	3.123	0.000	1561870	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

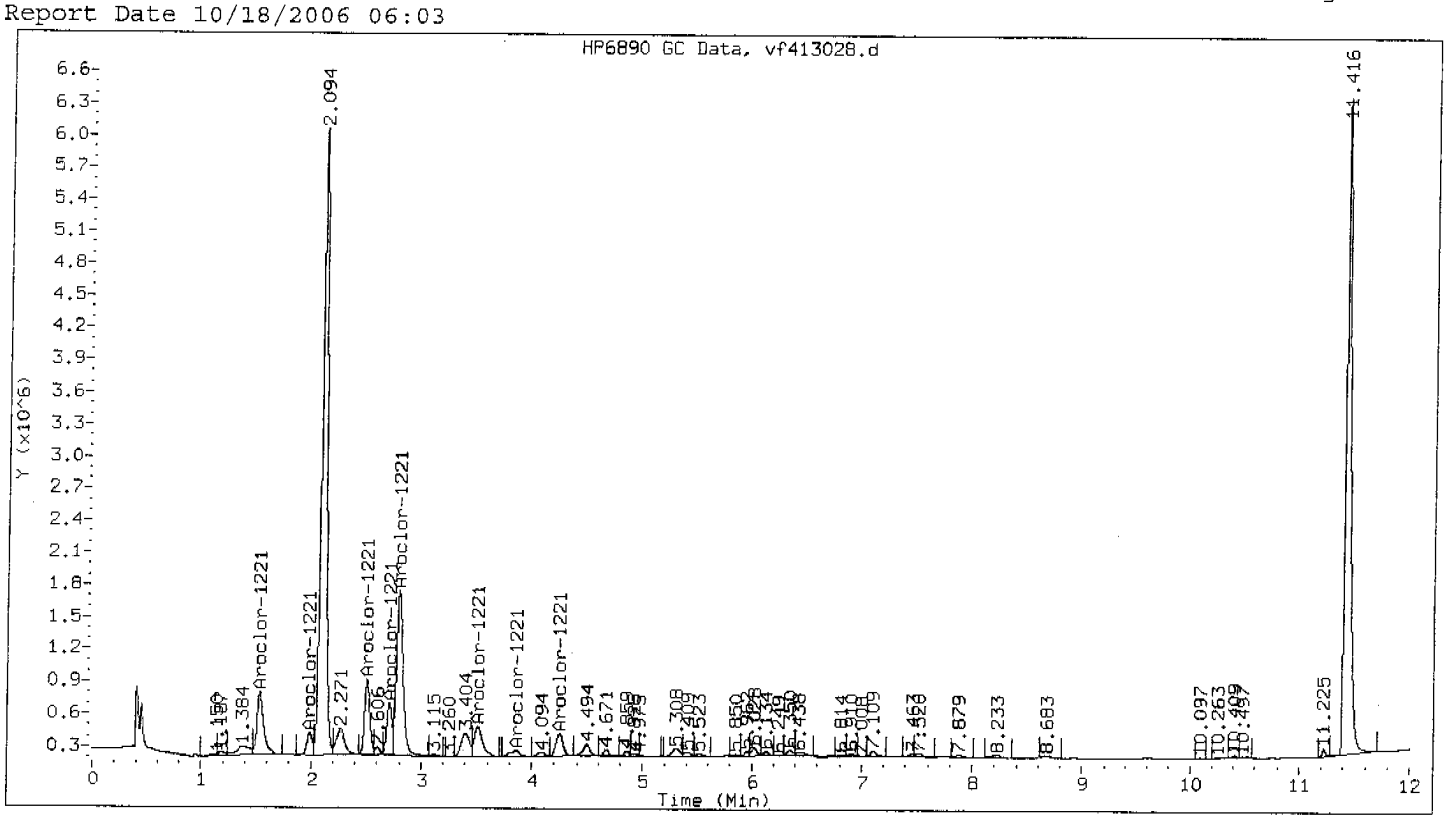
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413028.d

Compound	Midpoint Standard Response Factor
Aroclor-1221	2420.68
2	747.77
3	2394.71
4	1589.11
5	6541.05
6	1517.56
7	389.86
8	958.10

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1221-1000A
Lab ID : 1221-1000A
Inj Date : 17-OCT-2006 15:37
Operator :
Cpnd Sublist: AR12210

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.533	1.533	0.000	2420682	1000.000	1000.000
(2)		1.988	1.988	0.000	747772	1000.000	1000.000
(3)		2.508	2.508	0.000	2394713	1000.000	1000.000
(4)		2.708	2.708	0.000	1589107	1000.000	1000.000
(5)		2.795	2.795	0.000	6541053	1000.000	1000.000
(6)		3.515	3.515	0.000	1517555	1000.000	1000.000
(7)		3.860	3.860	0.000	389856	1000.000	1000.000
(8)		4.246	4.246	0.000	958104	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

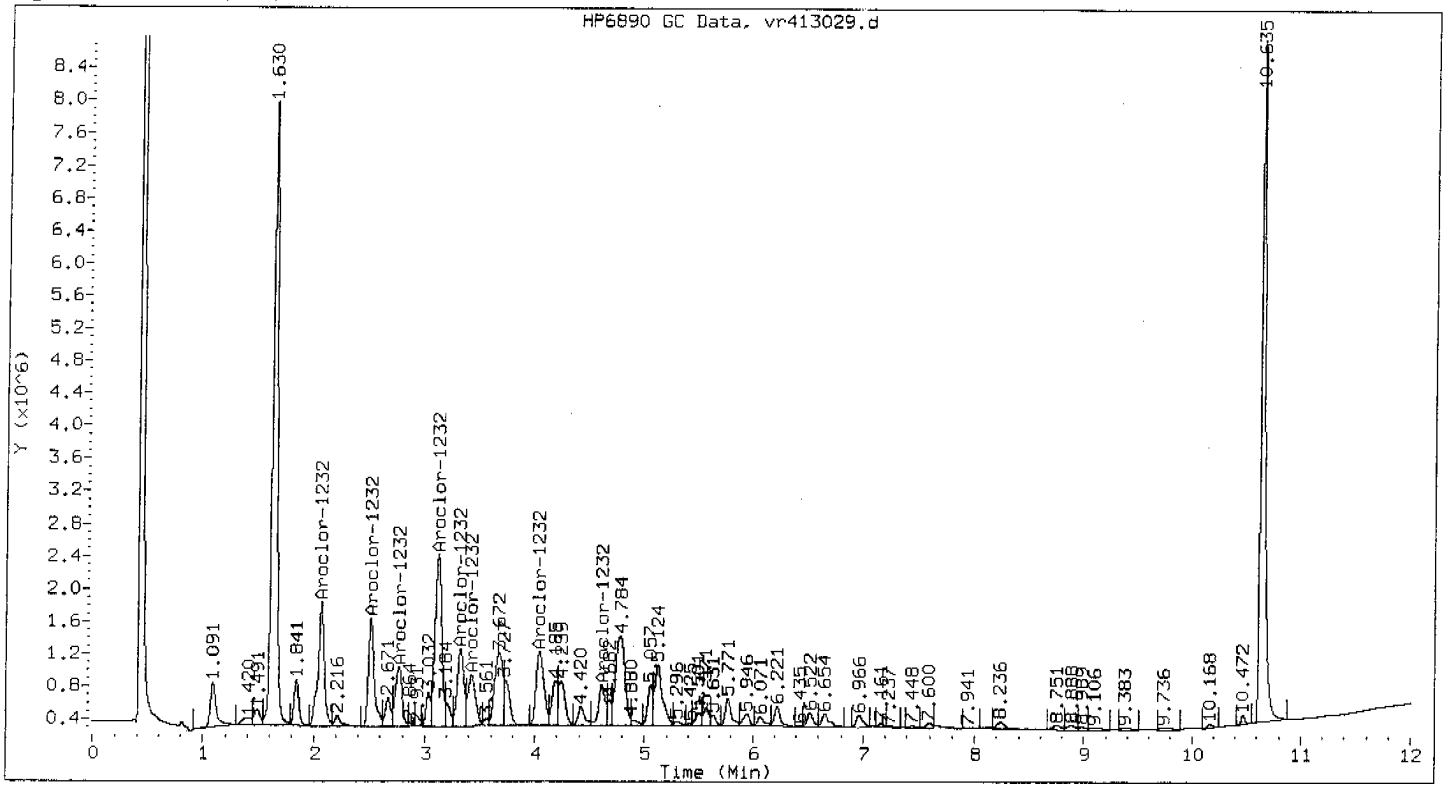
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413029.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	6035.12
2	5101.95
3	3126.12
4	9007.58
5	4066.06
6	2983.80
7	4456.24
8	2052.82

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 17-OCT-2006 15:53
Operator :
Cpnd Sublist: AR12320

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M)	2.067	2.067	0.000	6035120	1000.000	1000.000
(2)		2.513	2.513	0.000	5101953	1000.000	1000.000
(3)		2.768	2.768	0.000	3126116	1000.000	1000.000
(4)		3.119	3.119	0.000	9007575	1000.000	1000.000
(5)		3.321	3.321	0.000	4066060	1000.000	1000.000
(6)		3.421	3.421	0.000	2983798	1000.000	1000.000
(7)		4.038	4.038	0.000	4456238	1000.000	1000.000
(8)		4.611	4.611	0.000	2052822	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

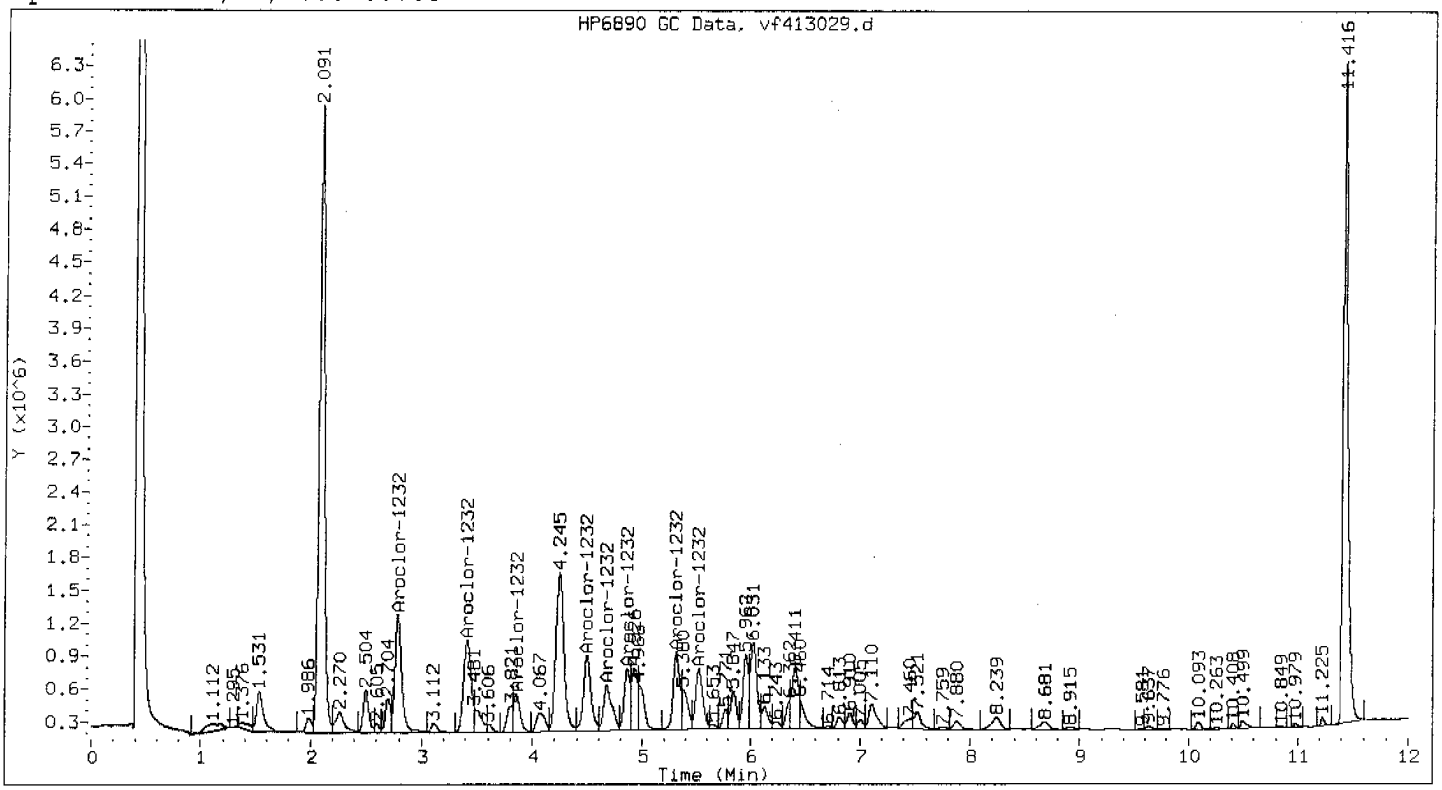
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413029.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	4540.48
2	4057.98
3	1552.28
4	3385.83
5	2250.06
6	2093.45
7	3088.30
8	2552.44

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 17-OCT-2006 15:53
Operator :
Cpnd Sublist: AR12320

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1232	(M)	2.791	2.791	0.000	4540480	1000.000	1000.000
(2)		3.412	3.412	0.000	4057979	1000.000	1000.000
(3)		3.856	3.856	0.000	1552279	1000.000	1000.000
(4)		4.492	4.492	0.000	3385826	1000.000	1000.000
(5)		4.672	4.672	0.000	2250062	1000.000	1000.000
(6)		4.858	4.858	0.000	2093455	1000.000	1000.000
(7)		5.316	5.316	0.000	3088300	1000.000	1000.000
(8)		5.522	5.522	0.000	2552443	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

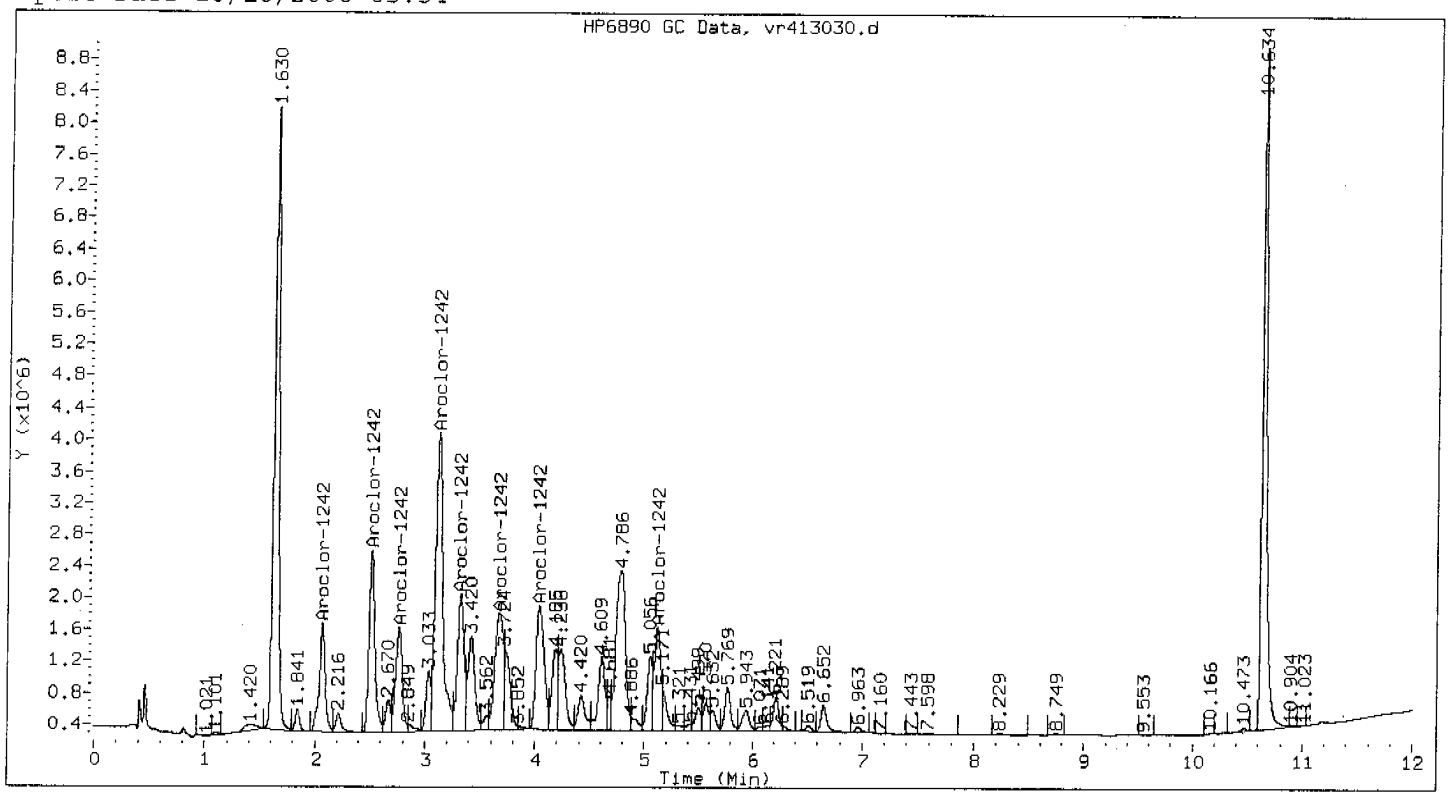
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413030.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	5144.10
2	8620.22
3	5693.66
4	17926.87
5	7441.51
6	8035.50
7	7807.26
8	5080.01

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 17-OCT-2006 16:08
Operator :
Cpnd Sublist: AR12420

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242	(M)	2.068	2.068	0.000	5144105	1000.000	1000.000
(2)		2.514	2.514	0.000	8620220	1000.000	1000.000
(3)		2.768	2.768	0.000	5693658	1000.000	1000.000
(4)		3.120	3.120	0.000	17926873	1000.000	1000.000
(5)		3.321	3.321	0.000	7441508	1000.000	1000.000
(6)		3.675	3.675	0.000	8035497	1000.000	1000.000
(7)		4.039	4.039	0.000	7807262	1000.000	1000.000
(8)		5.123	5.123	0.000	5080010	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

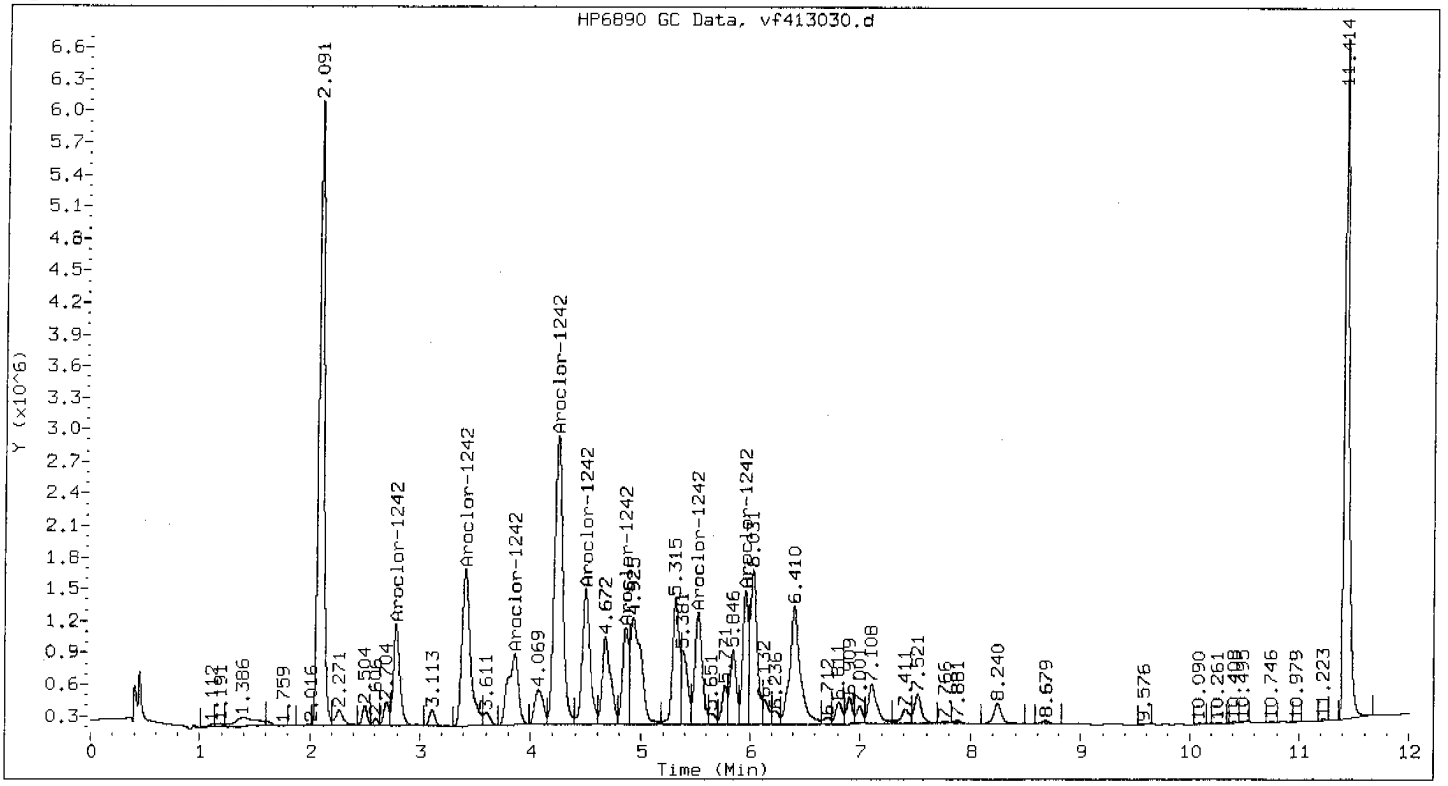
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413030.d

Compound		Midpoint Standard Response Factor
Aroclor-1242		3828.85
	2	8023.34
	3	4390.58
	4	14306.72
	5	6326.60
	6	3406.41
	7	5129.51
	8	4524.86

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 17-OCT-2006 16:08
Operator :
Cpnd Sublist: AR12420

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1242	2.791	2.791	0.000	3828846	1000.000	1000.000
(2)	3.415	3.415	0.000	8023343	1000.000	1000.000
(3)	3.857	3.857	0.000	4390579	1000.000	1000.000
(4)	4.246	4.246	0.000	14306718	1000.000	1000.000
(5)	4.493	4.493	0.000	6326597	1000.000	1000.000
(6)	4.857	4.857	0.000	3406410	1000.000	1000.000
(7)	5.522	5.522	0.000	5129505	1000.000	1000.000
(8)	5.961	5.961	0.000	4524857	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

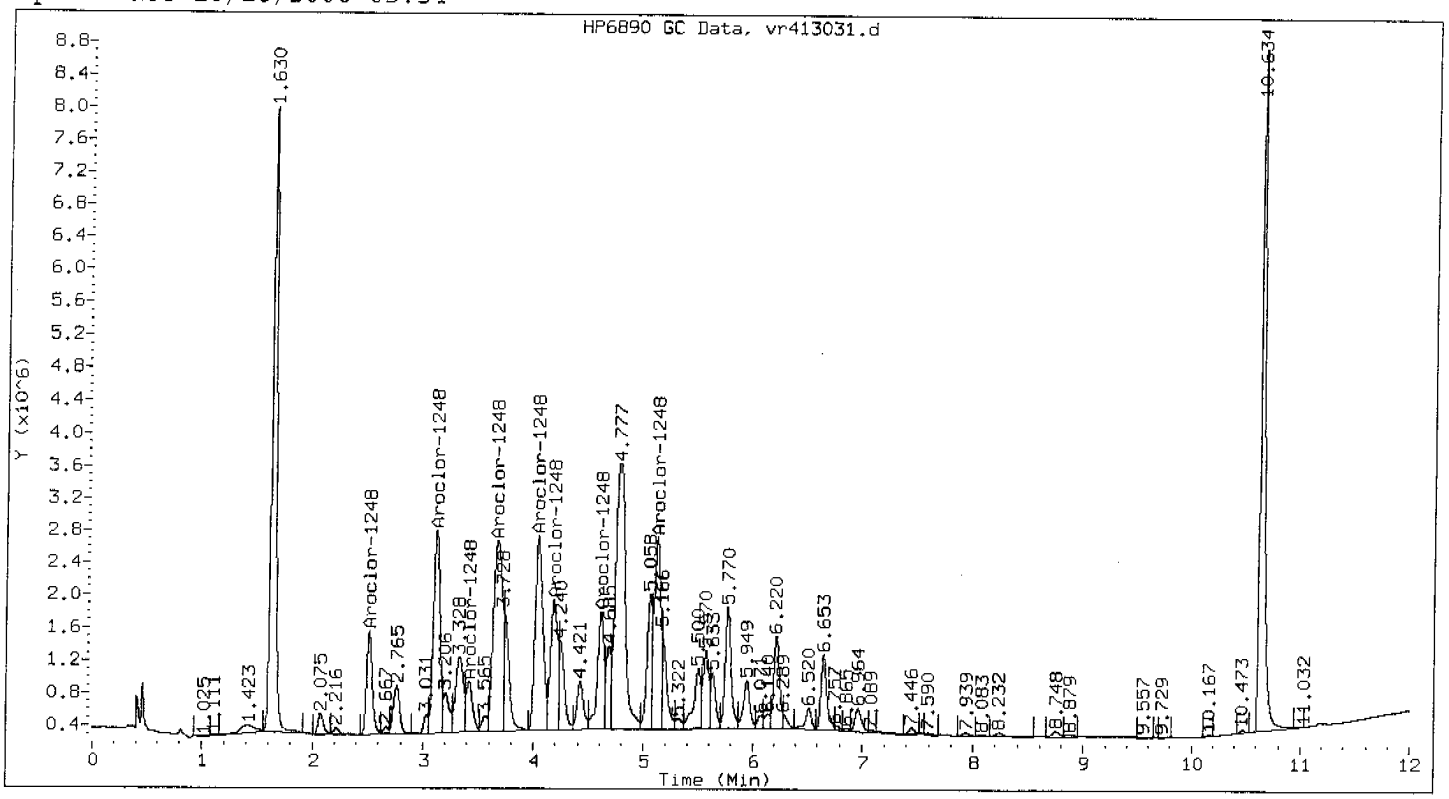
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413031.d

Compound		Midpoint Standard Response Factor
Aroclor-1248		4426.74
	2	10659.35
	3	2484.31
	4	12964.97
	5	11689.41
	6	6766.82
	7	5987.29
	8	9146.47

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 17-OCT-2006 16:24
Operator :
Cpnd Sublist: AR12480

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	2.514	2.514	0.000	4426739	1000.000	1000.000
(2)		3.117	3.117	0.000	10659346	1000.000	1000.000
(3)		3.420	3.420	0.000	2484309	1000.000	1000.000
(4)		3.670	3.670	0.000	12964969	1000.000	1000.000
(5)		4.038	4.038	0.000	11689407	1000.000	1000.000
(6)		4.183	4.183	0.000	6766817	1000.000	1000.000
(7)		4.610	4.610	0.000	5987288	1000.000	1000.000
(8)		5.124	5.124	0.000	9146467	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

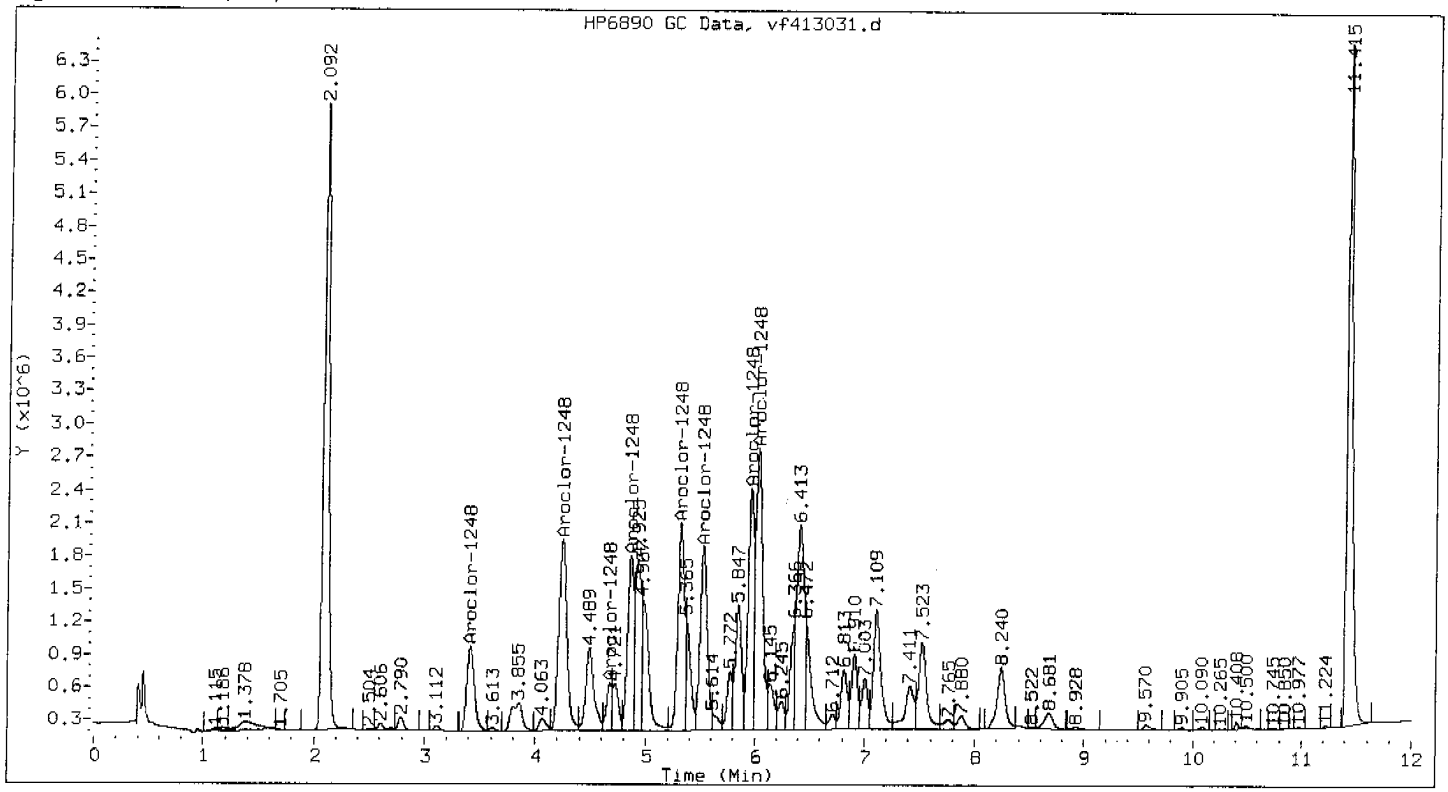
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413031.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	3770.36
2	9120.96
3	1482.84
4	6100.51
5	7962.16
6	7823.15
7	7901.41
8	11669.67

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 17-OCT-2006 16:24
Operator :
Cpnd Sublist: AR12480

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	3.412	3.412	0.000	3770364	1000.000	1000.000
(2)		4.243	4.243	0.000	9120959	1000.000	1000.000
(3)		4.675	4.675	0.000	1482843	1000.000	1000.000
(4)		4.858	4.858	0.000	6100513	1000.000	1000.000
(5)		5.315	5.315	0.000	7962160	1000.000	1000.000
(6)		5.522	5.522	0.000	7823149	1000.000	1000.000
(7)		5.961	5.961	0.000	7901408	1000.000	1000.000
(8)		6.030	6.030	0.000	11669668	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

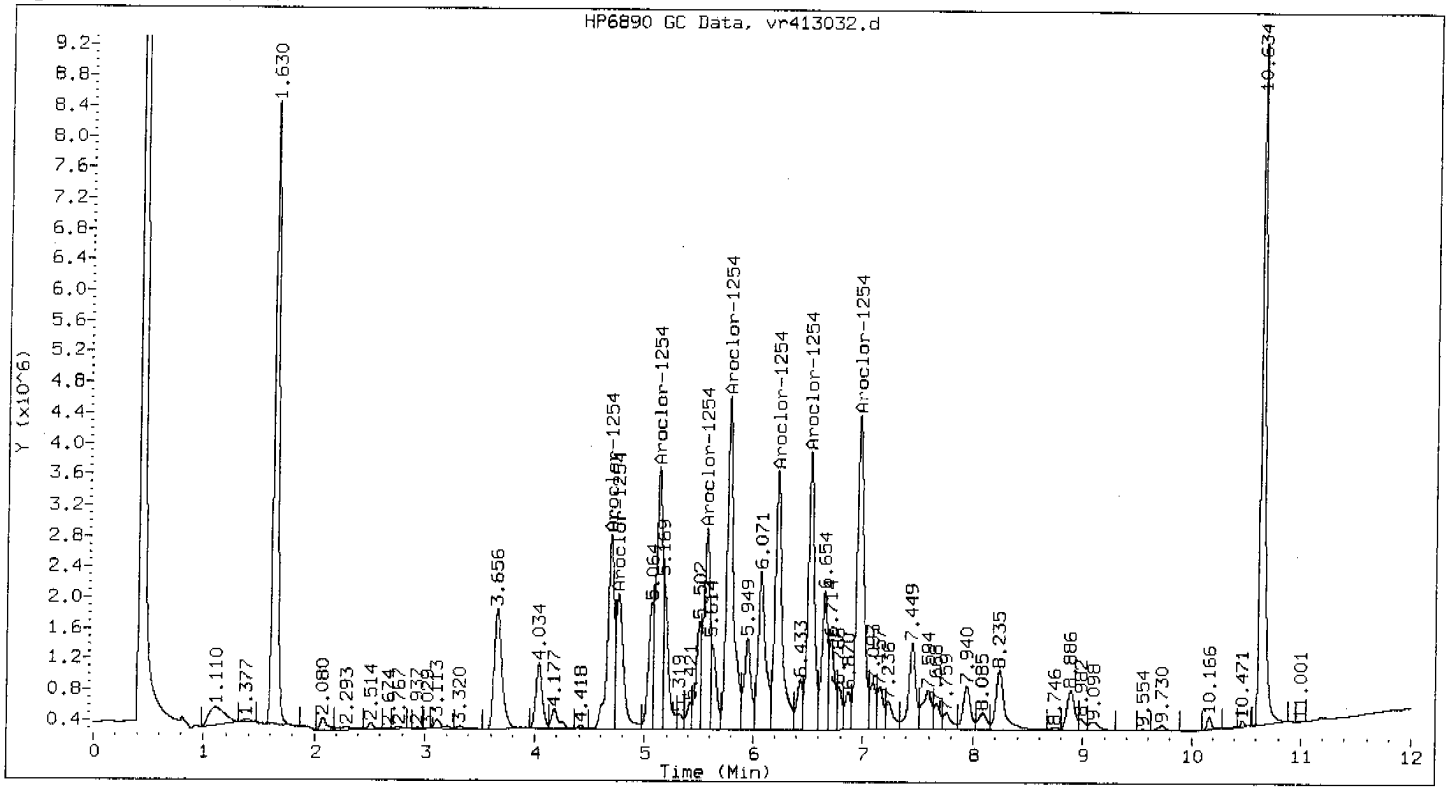
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413032.d

Compound	Midpoint Standard Response Factor
Aroclor-1254	10804.61
2	8615.16
3	14256.36
4	10319.28
5	19329.45
6	15650.71
7	14759.68
8	19066.07

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 17-OCT-2006 16:39
Operator :
Cpnd Sublist: AR12540

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1254	(M)	4.686	4.686	0.000	10804613	1000.000	1000.000
(2)		4.759	4.759	0.000	8615164	1000.000	1000.000
(3)		5.126	5.126	0.000	14256360	1000.000	1000.000
(4)		5.569	5.569	0.000	10319278	1000.000	1000.000
(5)		5.770	5.770	0.000	19329446	1000.000	1000.000
(6)		6.221	6.221	0.000	15650711	1000.000	1000.000
(7)		6.521	6.521	0.000	14759680	1000.000	1000.000
(8)		6.965	6.965	0.000	19066072	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

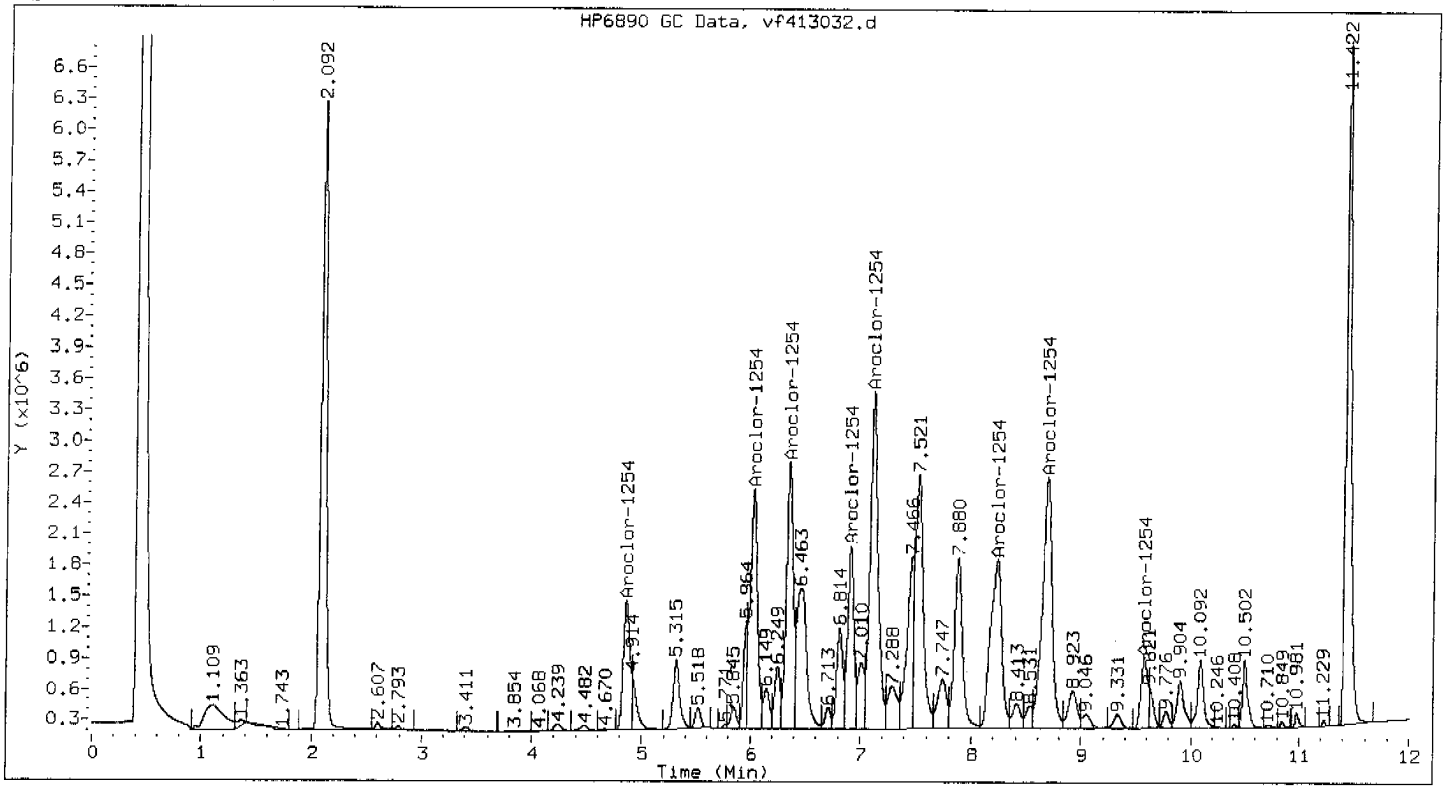
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413032.d

Compound		Midpoint Standard Response Factor
Aroclor-1254		5325.62
	2	10661.24
	3	10885.22
	4	7041.94
	5	16000.36
	6	11552.63
	7	15496.79
	8	2877.65

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 17-OCT-2006 16:39
Operator :
Cpnd Sublist: AR12540 10/18/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1254	(M)	4.858	4.858	0.000	5325623	1000.000	1000.000
(2)		6.026	6.026	0.000	10661240	1000.000	1000.000
(3)		6.349	6.349	0.000	10885218	1000.000	1000.000
(4)		6.911	6.911	0.000	7041938	1000.000	1000.000
(5)		7.110	7.110	0.000	16000361	1000.000	1000.000
(6)		8.232	8.232	0.000	11552634	1000.000	1000.000
(7)		8.685	8.685	0.000	15496787	1000.000	1000.000
(8)		9.575	9.575	0.000	2877653	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

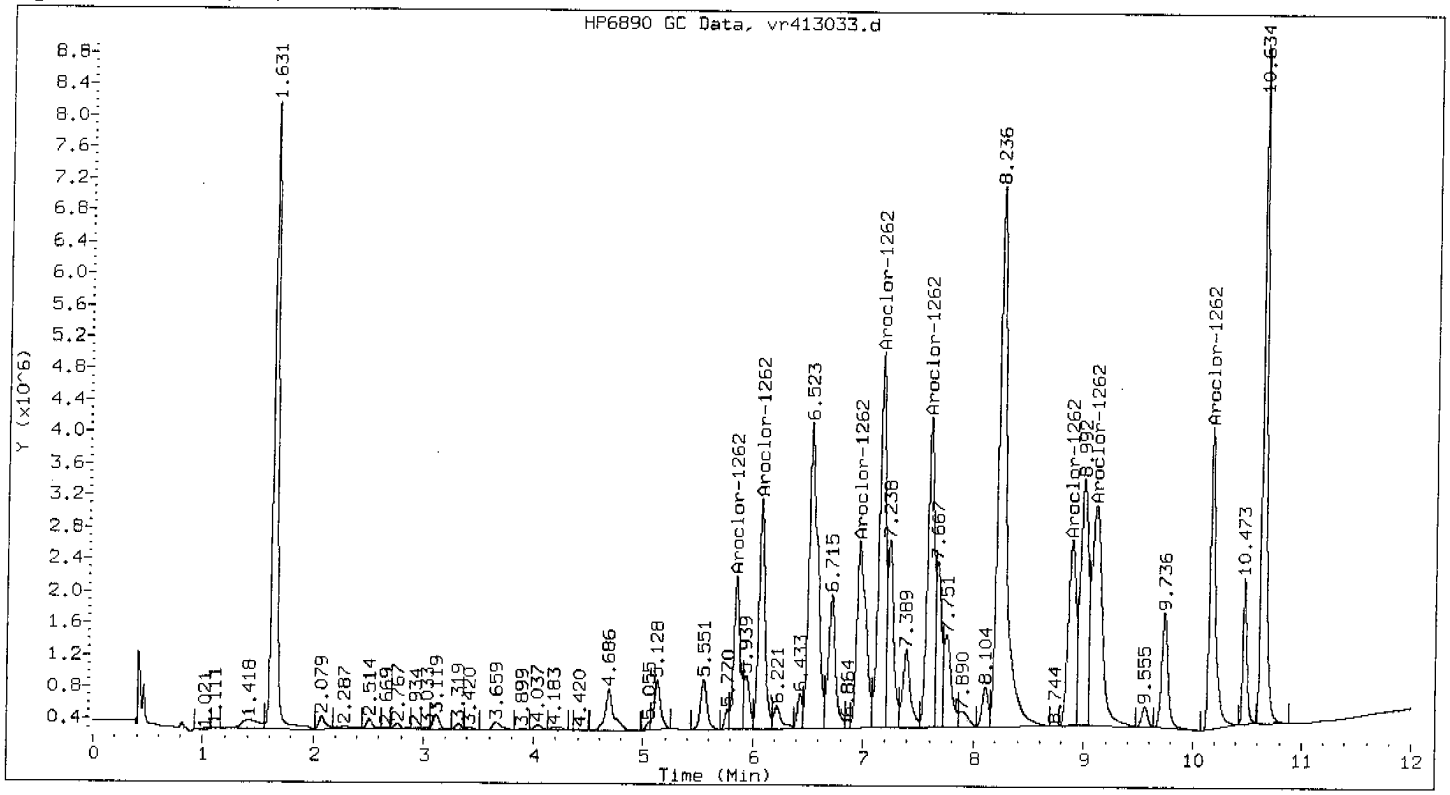
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413033.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	7897.65
2	11452.10
3	13639.57
4	18619.24
5	16199.60
6	10695.19
7	18837.26
8	13909.29

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 17-OCT-2006 16:55
Operator :
Cpnd Sublist: AR12620

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1262	5.846	5.846	0.000	7897646	1000.000	1000.000
(2)	6.071	6.071	0.000	11452100	1000.000	1000.000
(3)	6.964	6.964	0.000	13639573	1000.000	1000.000
(4)	7.162	7.162	0.000	18619236	1000.000	1000.000
(5)	7.598	7.598	0.000	16199602	1000.000	1000.000
(6)	8.886	8.886	0.000	10695188	1000.000	1000.000
(7)	9.102	9.102	0.000	18837258	1000.000	1000.000
(8)	10.169	10.169	0.000	13909294	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

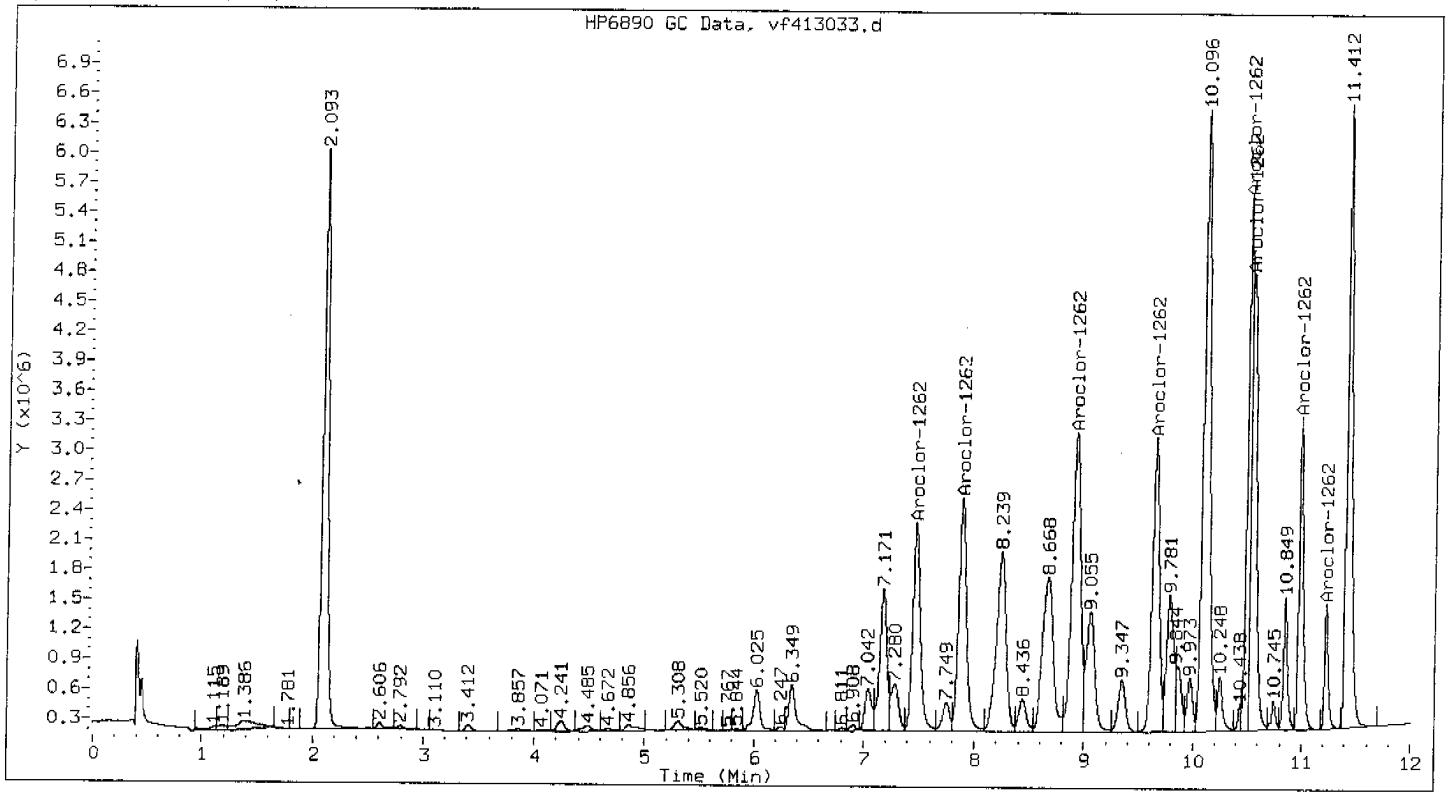
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413033.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	9997.57
2	11621.99
3	16686.12
4	13412.64
5	13151.84
6	15337.77
7	8820.15
8	3003.97

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 17-OCT-2006 16:55
Operator :
Cpnd Sublist: AR12620

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	7.463	7.463	0.000	9997565	1000.000	1000.000
(2)	7.881	7.881	0.000	11621993	1000.000	1000.000
(3)	8.917	8.917	0.000	16686121	1000.000	1000.000
(4)	9.642	9.642	0.000	13412637	1000.000	1000.000
(5)	10.499	10.499	0.000	13151836	1000.000	1000.000
(6)	10.533	10.533	0.000	15337771	1000.000	1000.000
(7)	10.980	10.980	0.000	8820151	1000.000	1000.000
(8)	11.224	11.224	0.000	3003966	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

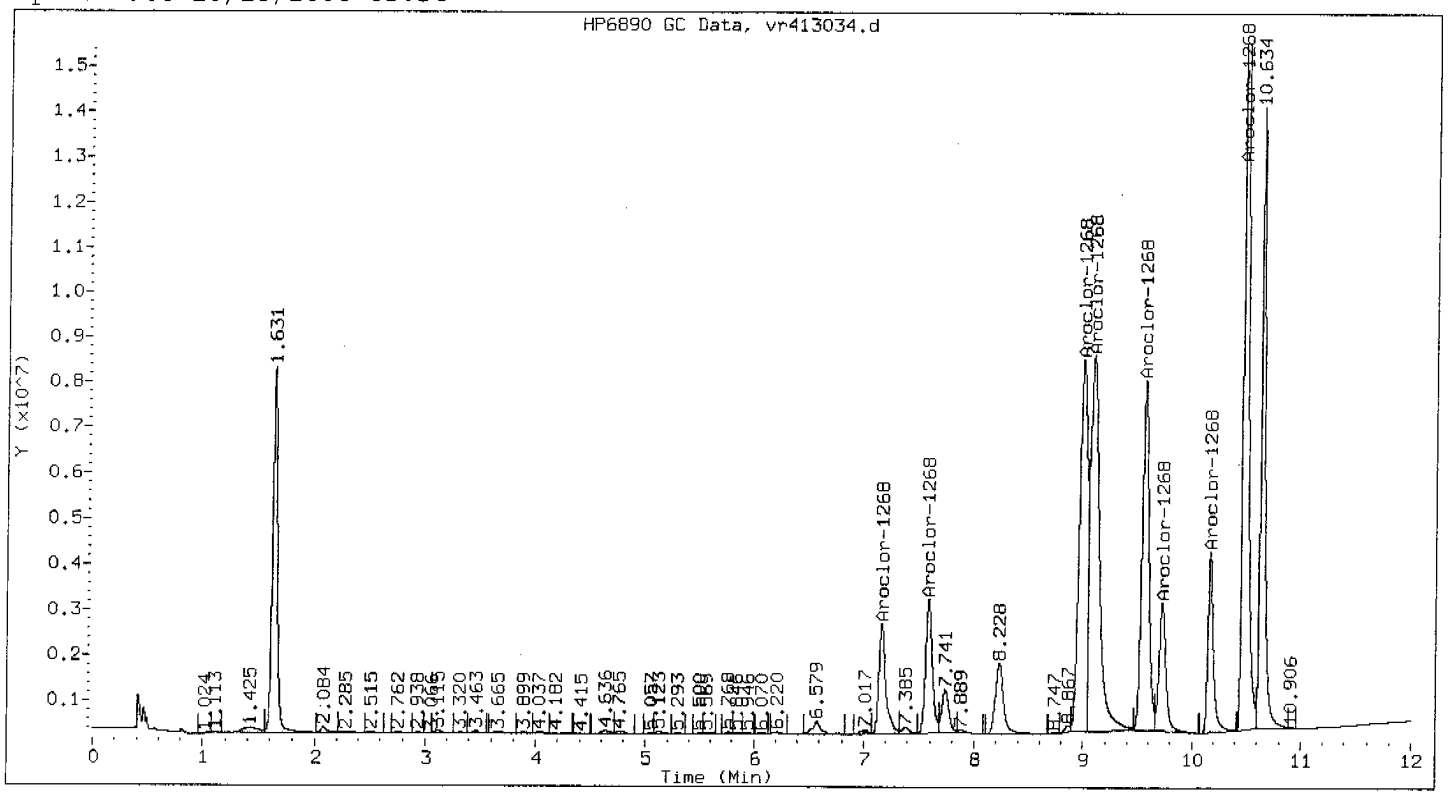
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413034.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	10748.28
2	12765.73
3	39103.18
4	51320.76
5	34476.66
6	12471.42
7	13956.60
8	71984.16

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/05Vr8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 17-OCT-2006 17:10
Operator :
Cpnd Sublist: AR12680 10/18/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1268	7.161	7.161	0.000	10748280	1000.000	1000.000
(2)	7.588	7.588	0.000	12765729	1000.000	1000.000
(3)	8.992	8.992	0.000	39103176	1000.000	1000.000
(4)	9.088	9.088	0.000	51320757	1000.000	1000.000
(5)	9.557	9.557	0.000	34476657	1000.000	1000.000
(6)	9.723	9.723	0.000	12471421	1000.000	1000.000
(7)	10.168	10.168	0.000	13956601	1000.000	1000.000
(8)	10.473	10.473	0.000	71984161	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

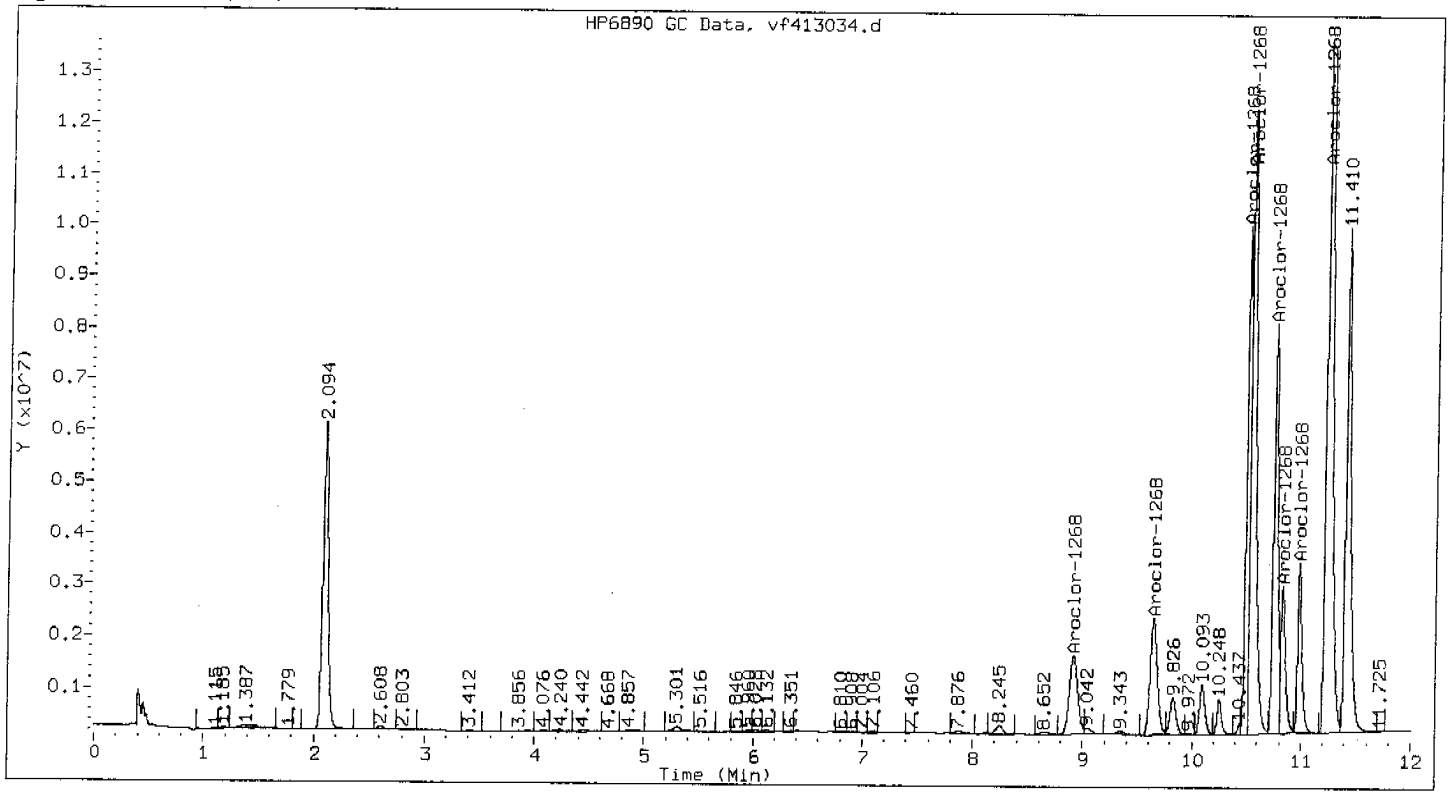
Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413034.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	8115.88
2	10504.94
3	19167.23
4	42875.52
5	22179.56
6	8826.62
7	9014.56
8	59994.05

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/05Vf8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 17-OCT-2006 17:10
Operator : 10/17/06
Cpnd Sublist: AR12680

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1268	(M)	8.915	8.915	0.000	8115884	1000.000	1000.000
(2)		9.642	9.642	0.000	10504936	1000.000	1000.000
(3)		10.495	10.495	0.000	19167229	1000.000	1000.000
(4)		10.534	10.534	0.000	42875523	1000.000	1000.000
(5)		10.748	10.748	0.000	22179561	1000.000	1000.000
(6)		10.827	10.827	0.000	8826622	1000.000	1000.000
(7)		10.980	10.980	0.000	9014555	1000.000	1000.000
(8)		11.224	11.224	0.000	59994046	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06c.b/vr413047.d
Method: /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06c.b/05Vr8082.m

Sample Information: 1660-1000 C
Injection Date: 18-OCT-2006 18:49

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.070	1000	1013.94	1.39
Aroclor-1016	2	2.517	1000	931.44	6.86
Aroclor-1016	3	2.771	1000	958.68	4.13
Aroclor-1016	4	3.124	1000	932.96	6.70
Aroclor-1016	5	3.326	1000	1005.03	0.50
Aroclor-1016	6	3.424	1000	1106.35	10.64
Aroclor-1016	7	4.042	1000	1042.62	4.26
Aroclor-1016	8	4.187	1000	953.56	4.64
Aroclor-1260	1	6.074	1000	1010.72	1.07
Aroclor-1260	2	6.525	1000	1001.88	0.19
Aroclor-1260	3	6.967	1000	1028.73	2.87
Aroclor-1260	4	7.165	1000	994.39	0.56
Aroclor-1260	5	7.602	1000	1010.98	1.10
Aroclor-1260	6	8.892	1000	1000.02	0.00
Aroclor-1260	7	9.108	1000	962.02	3.80
Aroclor-1260	8	10.172	1000	966.81	3.32

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.632	100	101.80	1.80
Decachlorobiphenyl(sur	10.636	100	97.10	2.90

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413023.d
Injection Date: 17-OCT-2006 14:19

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06c.b/vr413047.d
Injection Date: 18-OCT-2006 18:49

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.067	(1.997 - 2.137)	2.070	
	2.514	(2.444 - 2.584)	2.517	
	2.768	(2.698 - 2.838)	2.771	
	3.120	(3.050 - 3.190)	3.124	
	3.321	(3.251 - 3.391)	3.326	
	3.419	(3.349 - 3.489)	3.424	
	4.038	(3.968 - 4.108)	4.042	
	4.183	(4.113 - 4.253)	4.187	
Aroclor-1260	6.070	(6.000 - 6.140)	6.074	
	6.521	(6.451 - 6.591)	6.525	
	6.964	(6.894 - 7.034)	6.967	
	7.160	(7.090 - 7.230)	7.165	
	7.597	(7.527 - 7.667)	7.602	
	8.886	(8.816 - 8.956)	8.892	
	9.102	(9.032 - 9.172)	9.108	
	10.168	(10.098 - 10.238)	10.172	
Tetrachloro-m-xylene(surr)	1.630	(1.580 - 1.680)	1.632	
Decachlorobiphenyl(surr)	10.634	(10.534 - 10.734)	10.636	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06c.b/vf413047.d
Method: /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06c.b/05Vf8082.m

Sample Information: 1660-1000 C
Injection Date: 18-OCT-2006 18:49

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.794	1000	983.97	1.60
Aroclor-1016	2	3.422	1000	944.66	5.53
Aroclor-1016	3	3.862	1000	922.20	7.78
Aroclor-1016	4	4.250	1000	981.79	1.82
Aroclor-1016	5	4.497	1000	986.53	1.35
Aroclor-1016	6	4.678	1000	997.69	0.23
Aroclor-1016	7	4.929	1000	855.14	14.49
Aroclor-1016	8	5.321	1000	845.81	15.42<-
Aroclor-1260	1	7.468	1000	994.65	0.54
Aroclor-1260	2	7.887	1000	993.07	0.69
Aroclor-1260	3	8.687	1000	1008.21	0.82
Aroclor-1260	4	8.923	1000	1010.94	1.09
Aroclor-1260	5	9.062	1000	1010.21	1.02
Aroclor-1260	6	9.647	1000	1057.91	5.79
Aroclor-1260	7	10.504	1000	891.06	10.89
Aroclor-1260	8	10.981	1000	954.88	4.51

11/19/06

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.094	100	103.23	3.23
Decachlorobiphenyl(sur	11.412	100	95.37	4.63

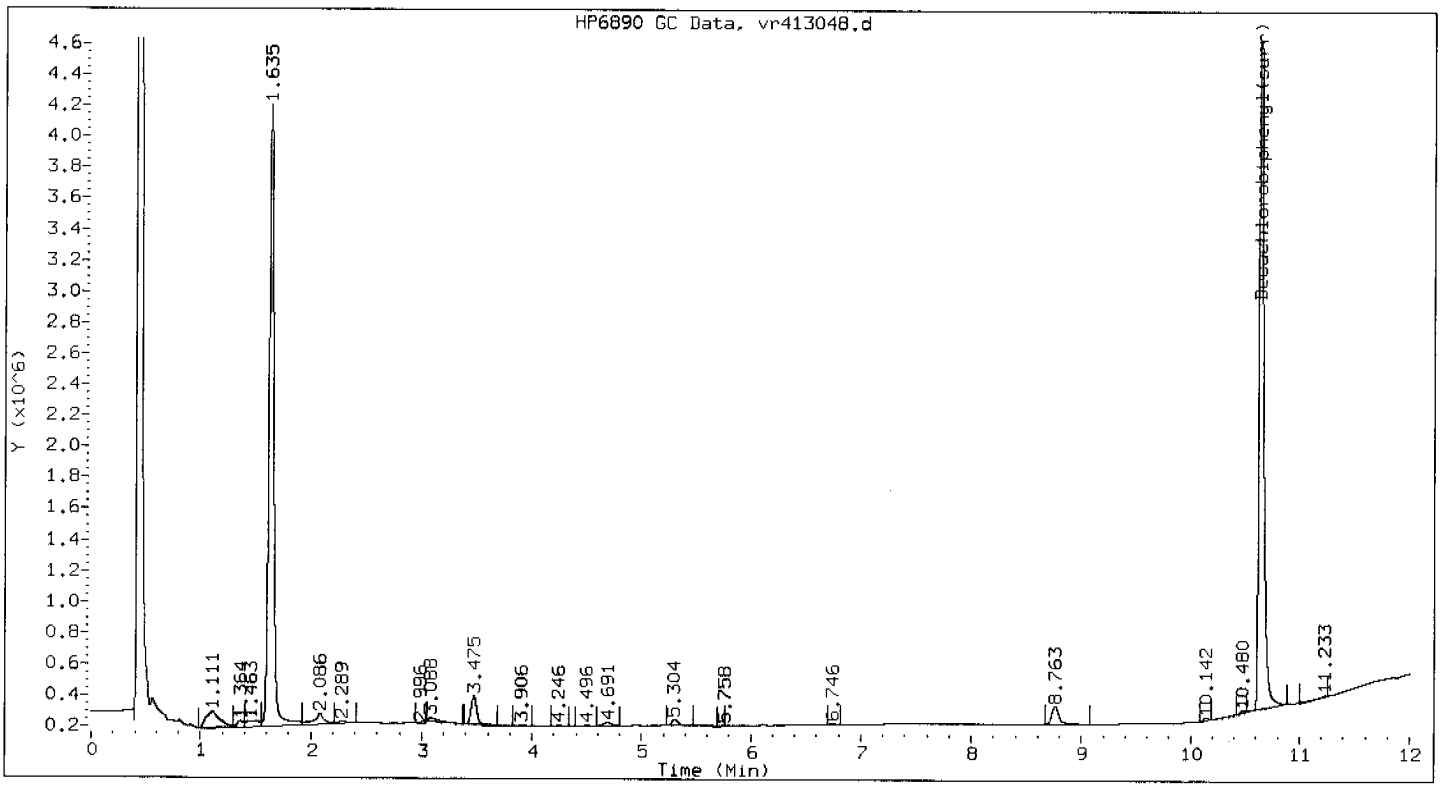
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413023.d
Injection Date: 17-OCT-2006 14:19

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06c.b/vf413047.d
Injection Date: 18-OCT-2006 18:49

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.790	(2.720 - 2.860)	2.794	
	3.416	(3.346 - 3.486)	3.422	
	3.857	(3.787 - 3.927)	3.862	
	4.245	(4.175 - 4.315)	4.250	
	4.493	(4.423 - 4.563)	4.497	
	4.673	(4.603 - 4.743)	4.678	
	4.925	(4.855 - 4.995)	4.929	
	5.316	(5.246 - 5.386)	5.321	
Aroclor-1260	7.463	(7.393 - 7.533)	7.468	
	7.881	(7.811 - 7.951)	7.887	
	8.681	(8.611 - 8.751)	8.687	
	8.916	(8.846 - 8.986)	8.923	
	9.055	(8.985 - 9.125)	9.062	
	9.642	(9.572 - 9.712)	9.647	
	10.502	(10.432 - 10.572)	10.504	
	10.981	(10.911 - 11.051)	10.981	
Tetrachloro-m-xylene(surr)	2.091	(2.041 - 2.141)	2.094	
Decachlorobiphenyl(surr)	11.416	(11.316 - 11.516)	11.412	

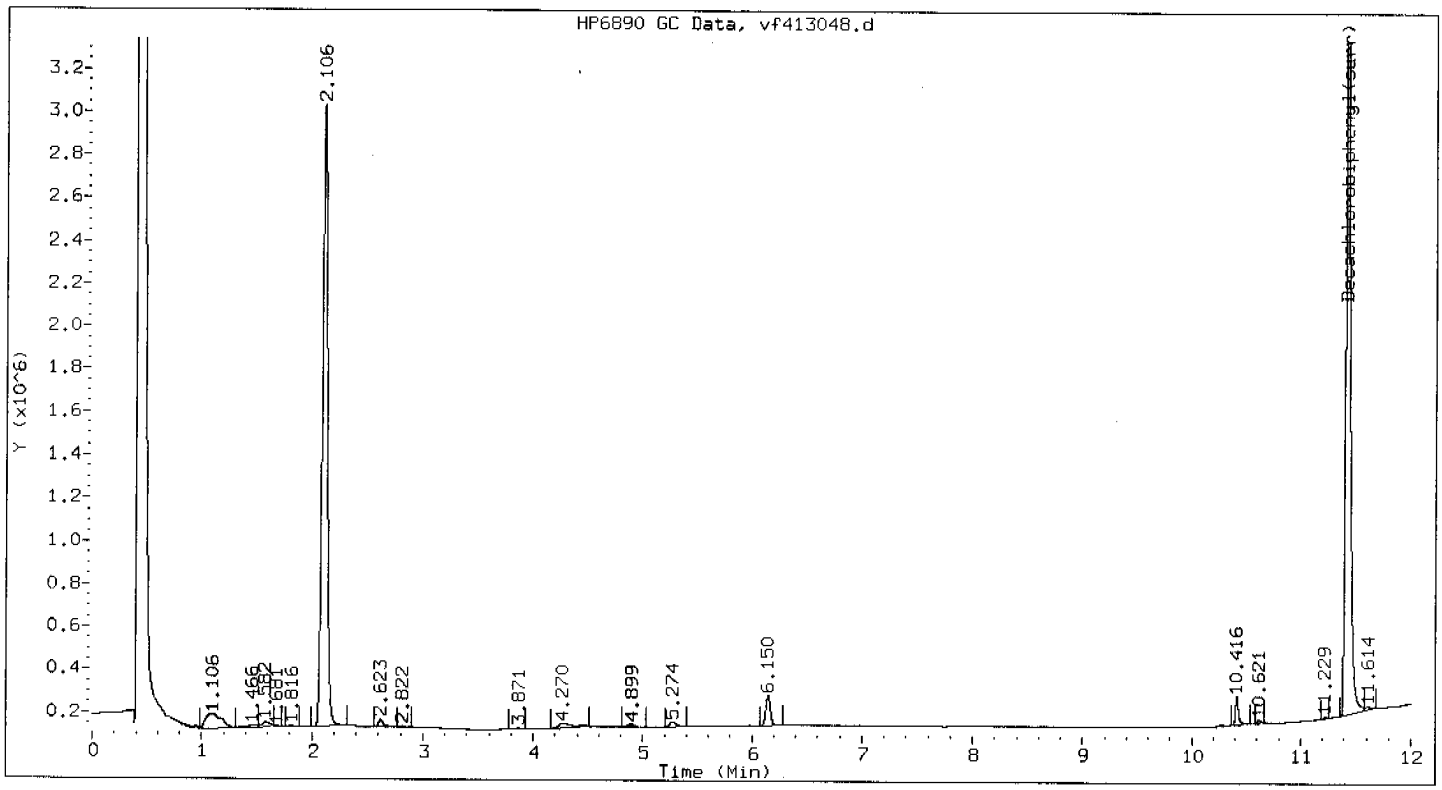


Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06c.b/05Vr8082.m
Sample Info : sp291B;mb64072
Lab ID : SP291B
Inj Date : 18-OCT-2006 22:00
Operator :
Cpnd Sublist: PCB8082+

10/19/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

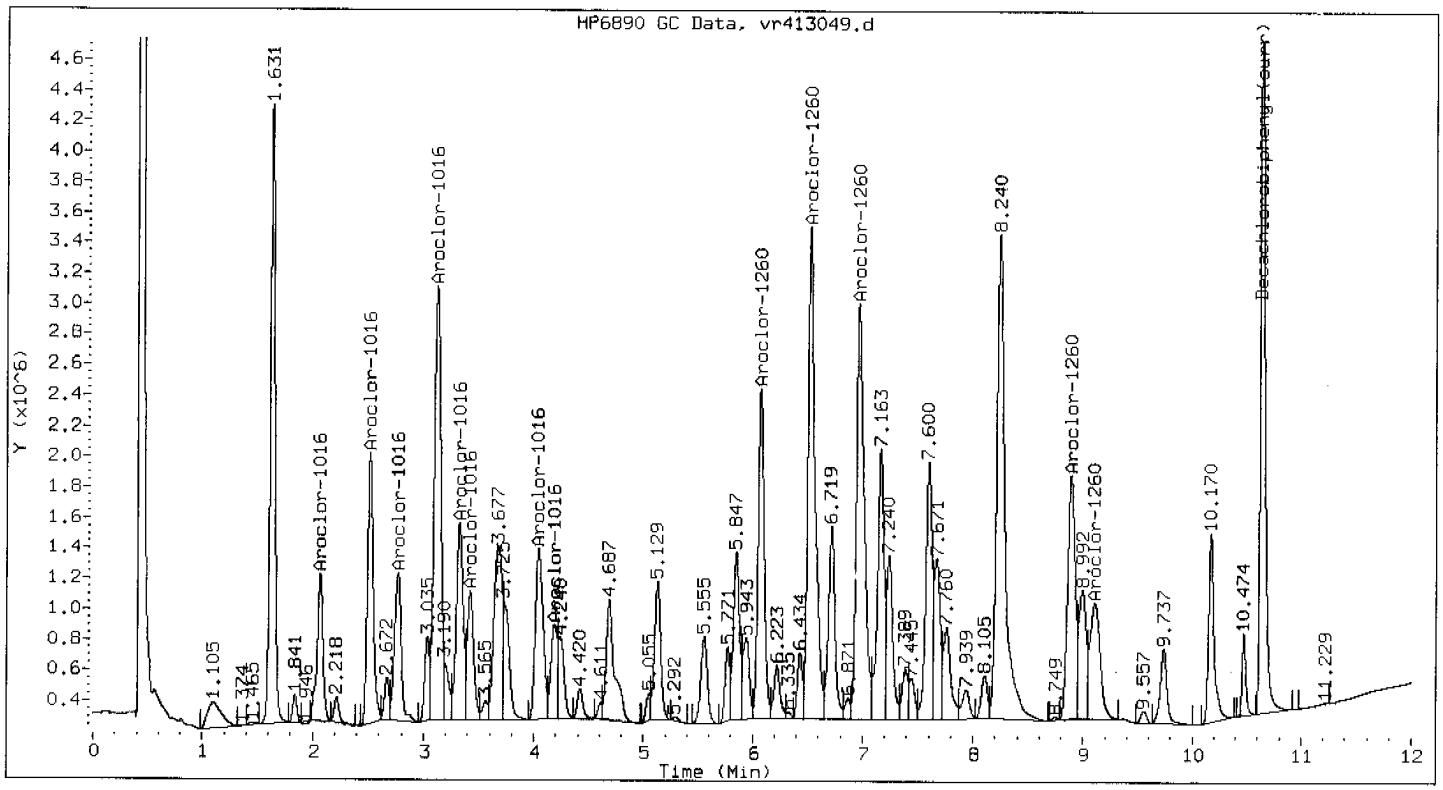
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	10.639	10.636	0.003	13824853	58.471	38.980



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06c.b/05Vf8082.m
Sample Info : sp291B;mb64072
Lab ID : SP291B
Inj Date : 18-OCT-2006 22:00
Operator :
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	11.418	11.412	0.006	9682417	50.153	33.435



Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06c.b/05Vr8082.m
Sample Info : sp291bbs
Lab ID : SP291Bbs
Inj Date : 18-OCT-2006 22:16
Operator :
Cpnd Sublist: PCB8082+

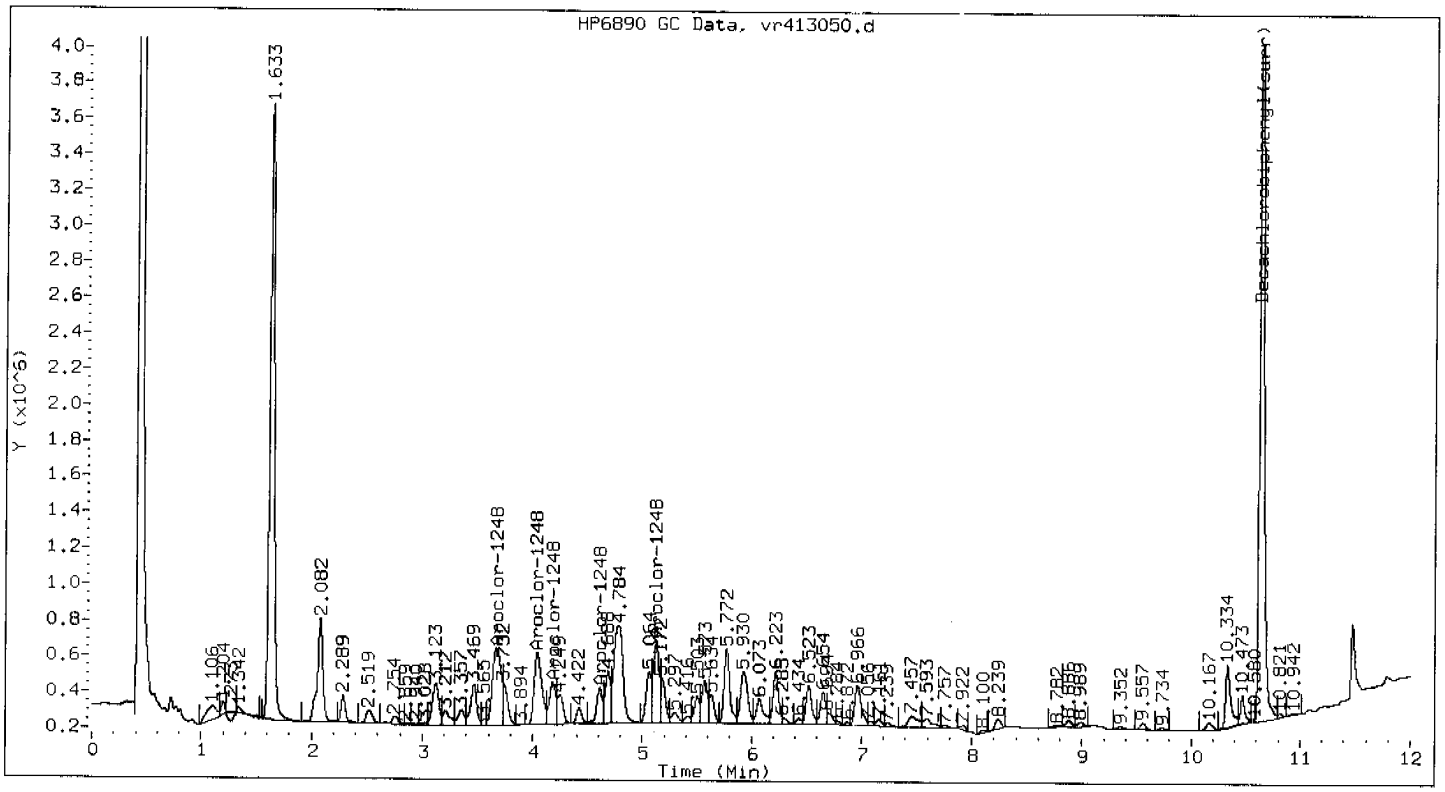
Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BS

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M)	2.069	2.070	0.001	3473337	564.882	376.588
(2)		2.516	2.517	0.001	6416676	603.158	402.106
(3)		2.770	2.771	0.000	4179725	621.039	414.026
(4)		3.122	3.124	0.002	12164516	575.571	383.714
(5)		3.324	3.326	0.002	5475791	596.641	397.761
(6)		3.422	3.424	0.002	3496054	559.977	373.318
(7)		4.040	4.042	0.002	5490286	558.014	372.010
(8)		4.185	4.187	0.002	2351328	528.421	352.281
Average of peak concentrations:							380.00
Aroclor-1260		6.073	6.074	0.001	8323415	566.241	377.494
(2)		6.524	6.525	0.001	14772251	563.684	375.789
(3)		6.966	6.967	0.001	13254640	556.112	370.741
(4)		------	7.165	------	------	------	------ (*)
(5)		------	7.602	------	------	------	------ (*)
(6)		8.890	8.892	0.002	7656448	556.762	371.175

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	9.105	9.108	0.003	4814343	511.502	341.002
(8)	------	10.172	------	------	------	------ (*)
Average of peak concentrations:						370.00
Decachlorobiphenyl(surr)	10.635	10.636	0.000	14348548	60.686	40.457

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



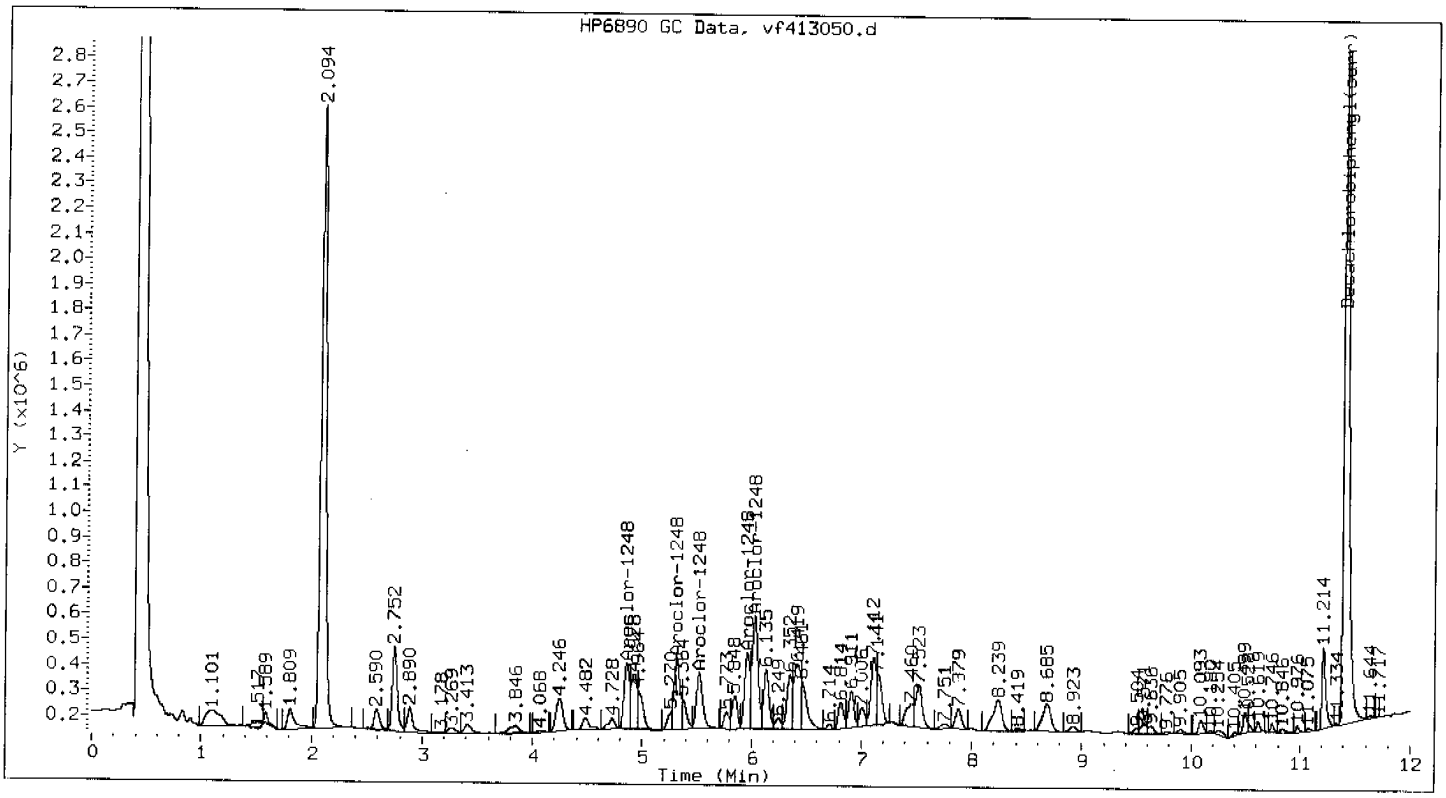
Method : /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06c.b/05Vr8082.m
Sample Info : 775290;3281211
Lab ID : 775290
Inj Date : 18-OCT-2006 22:31
Operator :
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)	
Aroclor-1248	(M)	------	2.514	------	------	------	------	(*)
(2)		------	3.117	------	------	------	------	(*)
(3)		------	3.420	------	------	------	------	(*)
(4)		3.672	3.670	0.002	2329746	179.695	146.094	
(5)		4.041	4.038	0.003	1972986	168.784	137.223	
(6)		4.183	4.183	0.000	976279	144.274	117.296	
(7)		4.612	4.610	0.002	683800	114.209	92.853	
(8)		5.128	5.124	0.004	1830673	200.151	162.724	
Average of peak concentrations:							130.00	
Decachlorobiphenyl(surr)		10.635	10.636	0.001	11818861	49.987	40.639	

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06c.b/05Vf8082.m
Sample Info : 775290;3281211
Lab ID : 775290
Inj Date : 18-OCT-2006 22:31
Operator :
Cpnd Sublist: PCB8082+

10/19/06

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	------	3.412	------	------	------	------ (*)
(2)		------	4.243	------	------	------	------ (*)
(3)		------	4.675	------	------	------	------ (*)
(4)		4.860	4.858	0.002	893804	146.513	119.116
(5)		5.316	5.315	0.001	1059707	133.093	108.206
(6)		5.522	5.522	0.000	928507	118.687	96.494
(7)		5.963	5.961	0.002	984567	124.607	101.306
(8)		6.032	6.030	0.002	1738139	148.945	121.094
Average of peak concentrations:							110.00
Decachlorobiphenyl(surr)		11.405	11.412	0.006	9043787	46.845	38.085

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06d.b/vr413058.d
Method: /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06d.b/05Vr8082.m

Sample Information: 1660-1000 D
Injection Date: 19-OCT-2006 06:24

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.069	1000	1007.51	0.75
Aroclor-1016	2	2.516	1000	942.50	5.75
Aroclor-1016	3	2.769	1000	934.03	6.60
Aroclor-1016	4	3.122	1000	945.51	5.45
Aroclor-1016	5	3.324	1000	999.78	0.02
Aroclor-1016	6	3.423	1000	1110.64	11.06
Aroclor-1016	7	4.042	1000	975.67	2.43
Aroclor-1016	8	4.187	1000	952.54	4.75
Aroclor-1260	1	6.073	1000	943.42	5.66
Aroclor-1260	2	6.524	1000	885.41	11.46
Aroclor-1260	3	6.967	1000	877.33	12.27
Aroclor-1260	4	7.163	1000	828.26	17.17<-
Aroclor-1260	5	7.600	1000	800.91	19.91<-
Aroclor-1260	6	8.890	1000	952.31	4.77
Aroclor-1260	7	9.106	1000	931.65	6.84
Aroclor-1260	8	10.171	1000	727.32	27.27<-

4,0/14/6

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.632	100	103.69	3.69
Decachlorobiphenyl(sur	10.635	100	90.08	9.92

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-17-06aical/17oct06a.b/vr413023.d
Injection Date: 17-OCT-2006 14:19

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Oct06/10-18-06/18oct06d.b/vr413058.d
Injection Date: 19-OCT-2006 06:24

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.067	(1.997 - 2.137)	2.069	
	2.514	(2.444 - 2.584)	2.516	
	2.768	(2.698 - 2.838)	2.769	
	3.120	(3.050 - 3.190)	3.122	
	3.321	(3.251 - 3.391)	3.324	
	3.419	(3.349 - 3.489)	3.423	
	4.038	(3.968 - 4.108)	4.042	
	4.183	(4.113 - 4.253)	4.187	
Aroclor-1260	6.070	(6.000 - 6.140)	6.073	
	6.521	(6.451 - 6.591)	6.524	
	6.964	(6.894 - 7.034)	6.967	
	7.160	(7.090 - 7.230)	7.163	
	7.597	(7.527 - 7.667)	7.600	
	8.886	(8.816 - 8.956)	8.890	
	9.102	(9.032 - 9.172)	9.106	
	10.168	(10.098 - 10.238)	10.171	
Tetrachloro-m-xylene(surr)	1.630	(1.580 - 1.680)	1.632	
Decachlorobiphenyl(surr)	10.634	(10.534 - 10.734)	10.635	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06d.b/vf413058.d
Method: /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06d.b/05Vf8082.m

Sample Information: 1660-1000 D
Injection Date: 19-OCT-2006 06:24

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.792	1000	1031.22	3.12
Aroclor-1016	2	3.417	1000	980.11	1.99
Aroclor-1016	3	3.859	1000	1010.80	1.08
Aroclor-1016	4	4.247	1000	1051.32	5.13
Aroclor-1016	5	4.495	1000	1047.70	4.77
Aroclor-1016	6	4.676	1000	1058.25	5.82
Aroclor-1016	7	4.927	1000	976.79	2.32
Aroclor-1016	8	5.317	1000	1003.79	0.38
Aroclor-1260	1	7.466	1000	914.10	8.59
Aroclor-1260	2	7.883	1000	940.13	5.99
Aroclor-1260	3	8.683	1000	972.15	2.78
Aroclor-1260	4	8.919	1000	972.84	2.72
Aroclor-1260	5	9.059	1000	967.11	3.29
Aroclor-1260	6	9.644	1000	956.99	4.30
Aroclor-1260	7	10.503	1000	900.80	9.92
Aroclor-1260	8	10.982	1000	958.70	4.13

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.092	100	107.62	7.62
Decachlorobiphenyl(sur	11.412	100	100.43	0.43

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-17-06aical/17oct06a.b/vf413023.d
Injection Date: 17-OCT-2006 14:19

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Oct06/10-18-06/18oct06d.b/vf413058.d
Injection Date: 19-OCT-2006 06:24

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.790	(2.720 - 2.860)	2.792	
	3.416	(3.346 - 3.486)	3.417	
	3.857	(3.787 - 3.927)	3.859	
	4.245	(4.175 - 4.315)	4.247	
	4.493	(4.423 - 4.563)	4.495	
	4.673	(4.603 - 4.743)	4.676	
	4.925	(4.855 - 4.995)	4.927	
	5.316	(5.246 - 5.386)	5.317	
Aroclor-1260	7.463	(7.393 - 7.533)	7.466	
	7.881	(7.811 - 7.951)	7.883	
	8.681	(8.611 - 8.751)	8.683	
	8.916	(8.846 - 8.986)	8.919	
	9.055	(8.985 - 9.125)	9.059	
	9.642	(9.572 - 9.712)	9.644	
	10.502	(10.432 - 10.572)	10.503	
	10.981	(10.911 - 11.051)	10.982	
Tetrachloro-m-xylene(surr)	2.091	(2.041 - 2.141)	2.092	
Decachlorobiphenyl(surr)	11.416	(11.316 - 11.516)	11.412	

Metals Forms and Data

Analytical Results Summary

Client ID: **B1407-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775272
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 8.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.9	0.98		P
Barium	637	0.28	N	P
Beryllium	0.27	0.022	B	P
Cadmium	0.46	0.11	B	P
Chromium	21.0	0.61		P
Copper	99.7	0.67		P
Lead	113	0.48		P
Mercury	0.22	0.018	N	CV
Nickel	22.7	0.85		P
Selenium	ND	1.0		P
Silver	ND	0.26		P
Thallium	ND	1.0		P
Zinc	72.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1407-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775273
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.3	1.1		P
Barium	103	0.30	N	P
Beryllium	0.49	0.023		P
Cadmium	ND	0.12		P
Chromium	26.6	0.66		P
Copper	40.2	0.73		P
Lead	227	0.52		P
Mercury	0.37	0.020	N	CV
Nickel	72.0	0.91		P
Selenium	1.1	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	50.6	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1407-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775274
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 10.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	0.71	0.72	B	P
Barium	92.3	0.38		P
Beryllium	0.60	0.067		P
Cadmium	ND	0.090		P
Chromium	44.3	0.36	N	P
Copper	36.1	0.83	N	P
Lead	12.5	0.60	N	P
Mercury	0.02	0.016	B	CV
Nickel	198	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	45.6	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B105-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775275
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 18.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	7.6	1.1		P
Barium	177	0.32	N	P
Beryllium	0.44	0.025	B	P
Cadmium	1.00	0.12	B	P
Chromium	53.1	0.69		P
Copper	123	0.76		P
Lead	244	0.54		P
Mercury	0.18	0.021	N	CV
Nickel	85.1	0.96		P
Selenium	1.8	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	189	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B105-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775276
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 18.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	5.8	1.1		P
Barium	80.4	0.32	N	P
Beryllium	0.68	0.025		P
Cadmium	0.35	0.12	B	P
Chromium	57.5	0.69		P
Copper	47.7	0.76		P
Lead	110	0.54		P
Mercury	0.06	0.018	N	CV
Nickel	131	0.96		P
Selenium	1.7	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	100	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1410-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775278
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 13.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	6.0	1.0		P
Barium	156	0.30	N	P
Beryllium	0.54	0.023		P
Cadmium	0.25	0.12	B	P
Chromium	45.5	0.65		P
Copper	57.8	0.72		P
Lead	139	0.51		P
Mercury	0.21	0.019	N	CV
Nickel	176	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	80.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1410-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775279
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	7.4	1.1		P
Barium	275	0.31	N	P
Beryllium	0.57	0.024		P
Cadmium	0.30	0.12	B	P
Chromium	59.4	0.66		P
Copper	77.8	0.73		P
Lead	488	0.52		P
Mercury	0.26	0.020	N	CV
Nickel	158	0.92		P
Selenium	2.1	1.1		P
Silver	0.91	0.28	B	P
Thallium	ND	1.1		P
Zinc	157	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1410-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775280
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	2.9	0.75		P
Barium	54.8	0.40		P
Beryllium	0.84	0.070		P
Cadmium	ND	0.093		P
Chromium	56.3	0.37	N	P
Copper	34.8	0.86	N	P
Lead	9.5	0.63	N	P
Mercury	ND	0.019		CV
Nickel	200	0.56		P
Selenium	ND	0.98		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	59.0	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775281
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	18.7	1.2	N	P
Arsenic	20.7	1.1		P
Barium	280	0.31	N	P
Beryllium	0.52	0.024		P
Cadmium	1.2	0.12		P
Chromium	52.3	0.66		P
Copper	131	0.73		P
Lead	552	0.52		P
Mercury	0.33	0.017	N	CV
Nickel	99.8	0.92		P
Selenium	1.8	1.1		P
Silver	0.27	0.28	B	P
Thallium	ND	1.1		P
Zinc	221	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775282
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 16.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	17.5	1.2	N	P
Arsenic	4.0	1.1		P
Barium	158	0.31	N	P
Beryllium	0.51	0.024		P
Cadmium	0.49	0.12	B	P
Chromium	33.6	0.67		P
Copper	42.1	0.74		P
Lead	175	0.52		P
Mercury	0.26	0.020	N	CV
Nickel	86.8	0.93		P
Selenium	1.7	1.1		P
Silver	0.35	0.29	B	P
Thallium	ND	1.1		P
Zinc	139	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS02D**
Site: **Sun Chemical SI**

Lab Sample No: 775283
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	15.5	1.2	N	P
Arsenic	5.9	1.1		P
Barium	157	0.31	N	P
Beryllium	0.59	0.024		P
Cadmium	0.44	0.12	B	P
Chromium	36.3	0.67		P
Copper	43.8	0.74		P
Lead	175	0.53		P
Mercury	0.18	0.020	N	CV
Nickel	98.6	0.94		P
Selenium	1.2	1.2	B	P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	134	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1408-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775284
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	3.6	0.76		P
Barium	70.5	0.40		P
Beryllium	0.83	0.071		P
Cadmium	ND	0.095		P
Chromium	56.6	0.38	N	P
Copper	28.4	0.88	N	P
Lead	10.1	0.64	N	P
Mercury	ND	0.020		CV
Nickel	287	0.57		P
Selenium	ND	1.00		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	60.0	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1405-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775285
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	67.4	1.00		P
Barium	210	0.29	N	P
Beryllium	0.44	0.022	B	P
Cadmium	0.68	0.11	B	P
Chromium	43.3	0.62		P
Copper	98.6	0.69		P
Lead	411	0.49		P
Mercury	0.74	0.018	N	CV
Nickel	83.2	0.86		P
Selenium	1.4	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	166	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1405-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775286
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 9.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	7.5	0.99		P
Barium	39.4	0.29	BN	P
Beryllium	0.83	0.022		P
Cadmium	0.11	0.11	B	P
Chromium	35.9	0.62		P
Copper	28.8	0.68		P
Lead	20.0	0.49		P
Mercury	ND	0.018	N	CV
Nickel	197	0.86		P
Selenium	1.5	1.1		P
Silver	ND	0.26		P
Thallium	ND	1.1		P
Zinc	45.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1406-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775288
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 12.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.5	1.0		P
Barium	155	0.30	N	P
Beryllium	0.33	0.023	B	P
Cadmium	0.39	0.11	B	P
Chromium	26.1	0.64		P
Copper	40.2	0.71		P
Lead	111	0.50		P
Mercury	0.24	0.019	N	CV
Nickel	75.0	0.89		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	96.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1406-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775289
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 17.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	14.6	1.2	N	P
Arsenic	3.5	1.1		P
Barium	1060	0.31	N	P
Beryllium	0.23	0.024	B	P
Cadmium	0.25	0.12	B	P
Chromium	45.7	0.68		P
Copper	1010	0.75		P
Lead	268	0.53		P
Mercury	0.70	0.020	N	CV
Nickel	64.2	0.94		P
Selenium	1.6	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	79.7	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1406-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775290
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 18.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	3.2	0.78		P
Barium	77.7	0.41		P
Beryllium	0.38	0.073	B	P
Cadmium	ND	0.098		P
Chromium	49.4	0.39	N	P
Copper	28.5	0.90	N	P
Lead	169	0.66	N	P
Mercury	0.48	0.020		CV
Nickel	102	0.59		P
Selenium	1.1	1.0	B	P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	73.4	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1411-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775291
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 8.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.1	0.99		P
Barium	39.1	0.29	BN	P
Beryllium	0.57	0.022		P
Cadmium	ND	0.11		P
Chromium	41.1	0.61		P
Copper	32.6	0.68		P
Lead	9.0	0.48		P
Mercury	ND	0.018	N	CV
Nickel	116	0.86		P
Selenium	2.0	1.1		P
Silver	ND	0.26		P
Thallium	ND	1.1		P
Zinc	32.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1411-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775292
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 13.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.2	1.0		P
Barium	31.3	0.30	BN	P
Beryllium	0.51	0.023		P
Cadmium	ND	0.12		P
Chromium	51.7	0.65		P
Copper	32.2	0.72		P
Lead	6.6	0.51		P
Mercury	ND	0.016	N	CV
Nickel	117	0.90		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	38.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B106-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775294
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 11.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.4	1.0		P
Barium	49.4	0.29	N	P
Beryllium	0.64	0.023		P
Cadmium	0.15	0.11	B	P
Chromium	40.5	0.63		P
Copper	26.0	0.70		P
Lead	9.1	0.50		P
Mercury	0.02	0.019	BN	CV
Nickel	134	0.88		P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	34.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B106-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775295
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.3	1.0		P
Barium	44.2	0.30	BN	P
Beryllium	0.69	0.023		P
Cadmium	0.17	0.12	B	P
Chromium	38.5	0.65		P
Copper	29.0	0.72		P
Lead	7.7	0.51		P
Mercury	ND	0.019	N	CV
Nickel	139	0.91		P
Selenium	1.5	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	37.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B104-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775297
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 14.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.9	1.0		P
Barium	76.2	0.30	N	P
Beryllium	0.79	0.023		P
Cadmium	0.16	0.12	B	P
Chromium	63.7	0.65		P
Copper	23.9	0.72		P
Lead	9.5	0.51		P
Mercury	ND	0.019	N	CV
Nickel	226	0.91		P
Selenium	1.6	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	63.3	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B104-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775298
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 15.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	2.7	1.1		P
Barium	42.7	0.31	BN	P
Beryllium	0.53	0.024		P
Cadmium	ND	0.12		P
Chromium	49.6	0.66		P
Copper	16.2	0.73		P
Lead	7.1	0.52		P
Mercury	ND	0.017	N	CV
Nickel	229	0.92		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	34.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B103-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775299
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 10.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.5	1.0		P
Barium	73.2	0.29	N	P
Beryllium	0.31	0.022	B	P
Cadmium	0.16	0.11	B	P
Chromium	29.8	0.63		P
Copper	21.8	0.69		P
Lead	109	0.49		P
Mercury	0.09	0.016	N	CV
Nickel	41.1	0.87		P
Selenium	1.6	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	96.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B703-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775300
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 11.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	10.8	1.3	N	P
Arsenic	6.7	0.72		P
Barium	243	0.38		P
Beryllium	0.51	0.068		P
Cadmium	0.45	0.090	B	P
Chromium	62.8	0.36		P
Copper	105	0.83		P
Lead	1000	0.61		P
Mercury	0.37	0.019		CV
Nickel	146	0.54		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	339	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B703-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775301
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 9.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.4	0.70		P
Barium	28.2	0.37	B	P
Beryllium	0.33	0.066	B	P
Cadmium	ND	0.088		P
Chromium	30.9	0.35	N	P
Copper	32.7	0.81	N	P
Lead	11.4	0.59	N	P
Mercury	0.11	0.018		CV
Nickel	317	0.53		P
Selenium	ND	0.92		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	87.9	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B401-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775302
Lab Job No: X924

Date Sampled: 10/04/06
Date Received: 10/04/06

Matrix: SOLID
Level: LOW
% Moisture: 20.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.1	1.5	BN	P
Arsenic	30.8	0.80		P
Barium	1250	0.43		P
Beryllium	0.14	0.075	B	P
Cadmium	ND	0.10		P
Chromium	144	0.40		P
Copper	48.7	0.93		P
Lead	1460	0.68		P
Mercury	0.44	0.021		CV
Nickel	49.0	0.60		P
Selenium	ND	1.1		P
Silver	ND	0.35		P
Thallium	ND	1.2		P
Zinc	37.4	1.5		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X924 Batch No.: 21429_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	4.9	U	4.9	U	4.9	U	-4.9	B	0.490	U	P
Arsenic	4.5	U	4.5	U	4.5	U	4.5	U	0.450	U	P
Barium	1.3	U	1.3	U	1.3	U	1.3	U	0.194	B	P
Beryllium	0.1	U	0.1	B	0.1	B	0.2	B	0.010	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.050	U	P
Calcium											NR
Chromium	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Cobalt											NR
Copper	12.9	B	3.1	U	3.1	U	3.1	U	0.310	U	P
Iron											NR
Lead	2.2	U	2.2	U	2.2	U	2.2	U	0.220	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U	0.390	U	P
Potassium											NR
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	0.480	U	P
Silver	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Sodium											NR
Thallium	4.8	U	4.8	U	4.8	U	4.8	U	0.480	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X924 _____ Batch No.: 21429_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			4.9	U							P
Arsenic			4.5	U							P
Barium			1.3	U							P
Beryllium			0.2	B							P
Cadmium			0.5	U							P
Calcium											NR
Chromium			2.8	U							P
Cobalt											NR
Copper			3.1	U							P
Iron											NR
Lead			-2.4	B							P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			3.9	U							P
Potassium											NR
Selenium			4.8	U							P
Silver			1.2	U							P
Sodium											NR
Thallium			4.8	U							P
Vanadium											NR
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X924 _____ Batch No.: 21429_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U					CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X924 Batch No.: 21434_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	62.6	U	62.6	U	62.6	U	99.1	B	6.260	U	P
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	0.658	B	P
Arsenic	4.7	B	3.8	B	4.0	B	4.9	B	0.425	B	P
Barium	1.7	U	1.7	U	1.7	U	1.7	B	0.170	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	-0.042	B	P
Calcium	42.5	U	42.5	U	42.5	U	83.5	B	4.250	U	P
Chromium	1.9	B	1.6	U	1.6	U	1.6	U	0.160	U	P
Cobalt	1.7	U	2.2	B	2.1	B	2.4	B	0.170	U	P
Copper	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Iron	47.1	B	39.2	U	41.0	B	41.5	B	3.920	U	P
Lead	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Magnesium	41.6	U	41.6	U	41.6	U	91.9	B	4.160	U	P
Manganese	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.7	B	2.4	U	2.4	U	2.4	U	0.240	U	P
Potassium	586.0	B	938.5	B	1628.0	B	1511.7	B	136.574	B	P
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P
Silver	1.4	U	1.9	B	1.4	B	2.2	B	0.140	U	P
Sodium	-447.0	B	642.2	B	395.5	U	395.5	U	74.963	B	P
Thallium	6.5	B	5.2	B	8.5	B	5.2	B	0.727	B	P
Vanadium	4.7	U	4.7	U	4.7	U	4.7	U	0.470	U	P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X924 _____ Batch No.: 21434_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			62.6	U	74.1	B	62.6	U			P
Antimony			5.8	U	5.8	U	8.0	B			P
Arsenic			3.7	B	3.2	U	3.2	U			P
Barium			1.7	U	1.7	U	1.9	B			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			42.5	U	59.9	B	42.5	U			P
Chromium			1.6	U	1.9	B	1.7	B			P
Cobalt			2.0	B	1.7	U	1.7	U			P
Copper			3.7	U	3.7	U	3.9	B			P
Iron			40.0	B	58.6	B	51.7	B			P
Lead			2.7	U	2.7	U	2.7	U			P
Magnesium			41.6	U	79.8	B	41.6	U			P
Manganese			1.2	U	1.2	U	1.2	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.4	U	2.4	U	2.4	U			P
Potassium			1228.7	B	477.7	B	315.4	U			P
Selenium			4.2	U	4.2	U	4.2	U			P
Silver			1.4	U	1.4	U	1.4	U			P
Sodium			497.9	B	395.5	U	485.1	B			P
Thallium			5.3	B	8.4	B	7.1	B			P
Vanadium			4.7	U	4.7	U	4.7	U			P
Zinc			5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X924 _____ Batch No.: 21434_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			62.6	U	109.0	B					P
Antimony			6.9	B	8.8	B					P
Arsenic			3.2	U	3.2	U					P
Barium			1.7	U	1.8	B					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			42.5	U	65.9	B					P
Chromium			1.6	U	2.1	B					P
Cobalt			1.7	U	1.7	U					P
Copper			3.7	U	3.7	U					P
Iron			48.4	B	85.3	B					P
Lead			2.7	U	2.7	U					P
Magnesium			41.6	U	88.0	B					P
Manganese			1.2	U	1.2	U					P
Mercury			0.1	U	0.1	U					CV
Nickel			2.4	U	3.0	B					P
Potassium			315.4	U	315.4	U					P
Selenium			4.2	U	4.2	U					P
Silver			1.4	U	1.4	U					P
Sodium			395.5	U	721.4	B					P
Thallium			7.5	B	7.2	B					P
Vanadium			4.7	U	4.7	U					P
Zinc			5.8	U	5.8	U					P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X924 _____ Batch No.: 21434_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U					P
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium	4.7	U	4.7	U	4.7	U					P
Vanadium											NR
Zinc											NR
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X924 _____ Batch No.: 21515_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Arsenic	3.2	U	3.2	U	-3.6	B	-4.1	B	-0.450	B	P
Barium	4.0	B	1.7	U	1.7	U	1.7	U	0.170	U	P
Beryllium	0.5	B	0.3	U	0.3	U	0.3	U	0.030	U	P
Cadmium	1.2	B	0.7	B	0.5	B	0.7	B	0.040	U	P
Calcium											NR
Chromium	1.9	B	1.6	U	1.6	U	1.6	U	0.160	U	P
Cobalt											NR
Copper	5.7	B	3.7	U	3.7	U	3.7	U	0.370	U	P
Iron											NR
Lead	2.8	B	2.7	U	2.7	U	2.7	U	0.270	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	0.240	U	P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.140	U	P
Sodium											NR
Thallium	6.8	B	4.7	U	4.7	U	4.7	U	0.470	U	P
Vanadium											NR
Zinc	-7.2	B	-9.3	B	-9.4	B	-10.0	B	-0.984	B	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.8	U							P
Arsenic			3.2	U							P
Barium			1.7	U							P
Beryllium			0.3	U							P
Cadmium			0.6	B							P
Calcium											NR
Chromium			1.6	U							P
Cobalt											NR
Copper			3.7	U							P
Iron											NR
Lead			2.7	U							P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.4	U							P
Potassium											NR
Selenium			4.2	U							P
Silver			1.4	U							P
Sodium											NR
Thallium			4.7	U							P
Vanadium											NR
Zinc			-10.2	B							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X924 _____ Batch No.: 21515_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U			P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U			P
Barium	2.2	B	1.7	U	1.7	U	1.7	U			P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U			P
Cadmium	1.0	B	0.4	U	0.4	U	0.4	B			P
Calcium											NR
Chromium	1.6	U	1.6	U	1.6	U	1.6	U			P
Cobalt											NR
Copper	3.7	U	3.7	U	3.7	U	3.7	U			P
Iron											NR
Lead	2.9	B	2.7	U	2.7	U	2.7	U			P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U			P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U			P
Silver	1.4	U	1.4	U	1.4	U	1.4	U			P
Sodium											NR
Thallium	4.7	U	4.7	U	4.7	U	4.7	U			P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X924 Batch No.: 21429_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	1000.0	1001.40	100.1	1000.0	975.58	97.6	925.93	92.6	P
Arsenic	5000.0	5045.98	100.9	5000.0	4994.85	99.9	4755.33	95.1	P
Barium	10000.0	10149.35	101.5	10000.0	10190.04	101.9	9739.59	97.4	P
Beryllium	1000.0	1006.64	100.7	1000.0	997.79	99.8	954.85	95.5	P
Cadmium	2500.0	2527.26	101.1	2500.0	2538.79	101.6	2435.66	97.4	P
Calcium									NR
Chromium	5000.0	5067.23	101.3	5000.0	5149.91	103.0	4943.38	98.9	P
Cobalt									NR
Copper	12500.0	12641.71	101.1	12500.0	12992.80	103.9	12444.35	99.6	P
Iron									NR
Lead	10000.0	10166.89	101.7	10000.0	10195.47	102.0	9826.77	98.3	P
Magnesium									NR
Manganese									NR
Mercury	5.0	4.73	94.6	5.0	5.06	101.2	5.06	101.2	CV
Nickel	2500.0	2519.05	100.8	2500.0	2517.18	100.7	2415.62	96.6	P
Potassium									NR
Selenium	5000.0	5067.37	101.3	5000.0	4998.43	100.0	4781.73	95.6	P
Silver	1250.0	1269.51	101.6	1250.0	1265.30	101.2	1212.95	97.0	P
Sodium									NR
Thallium	5000.0	5092.55	101.9	5000.0	5143.94	102.9	4923.07	98.5	P
Vanadium									NR
Zinc	2500.0	2545.83	101.8	2500.0	2566.36	102.7	2474.06	99.0	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	949.98	95.0	966.10	96.6	P
Arsenic				5000.0	4836.44	96.7	4980.98	99.6	P
Barium				10000.0	10243.95	102.4	10332.02	103.3	P
Beryllium				1000.0	974.13	97.4	1000.14	100.0	P
Cadmium				2500.0	2479.52	99.2	2561.14	102.4	P
Calcium									NR
Chromium				5000.0	5105.51	102.1	5263.16	105.3	P
Cobalt									NR
Copper				12500.0	13164.39	105.3	13294.82	106.4	P
Iron									NR
Lead				10000.0	10013.47	100.1	10309.58	103.1	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.20	104.0	5.03	100.6	CV
Nickel				2500.0	2471.08	98.8	2539.56	101.6	P
Potassium									NR
Selenium				5000.0	4825.71	96.5	4967.12	99.3	P
Silver				1250.0	1262.02	101.0	1272.39	101.8	P
Sodium									NR
Thallium				5000.0	5100.25	102.0	5210.92	104.2	P
Vanadium									NR
Zinc				2500.0	2500.39	100.0	2618.41	104.7	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.14	102.8	5.09	101.8	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.11	102.2	5.25	105.0	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum	125000.0	128080.2	102.5	125000.0	128009.5	102.4	125791.3	100.6	P
Antimony	1000.0	1007.21	100.7	1000.0	1018.60	101.9	1001.65	100.2	P
Arsenic	5000.0	5020.91	100.4	5000.0	5118.96	102.4	5207.40	104.1	P
Barium	10000.0	10370.84	103.7	10000.0	10236.01	102.4	9806.35	98.1	P
Beryllium	1000.0	1022.60	102.3	1000.0	1031.30	103.1	1029.23	102.9	P
Cadmium	2500.0	2510.35	100.4	2500.0	2548.11	101.9	2648.72	105.9	P
Calcium	125000.0	124184.1	99.3	125000.0	126549.4	101.2	128936.9	103.1	P
Chromium	5000.0	5055.88	101.1	5000.0	5126.72	102.5	5165.61	103.3	P
Cobalt	2500.0	2518.16	100.7	2500.0	2557.10	102.3	2607.06	104.3	P
Copper	12500.0	12825.48	102.6	12500.0	12662.70	101.3	12155.72	97.2	P
Iron	100000.0	101659.4	101.7	100000.0	103063.7	103.1	104028.0	104.0	P
Lead	10000.0	10002.39	100.0	10000.0	10230.83	102.3	10602.78	106.0	P
Magnesium	125000.0	126332.1	101.1	125000.0	129778.3	103.8	133320.9	106.7	P
Manganese	5000.0	5090.92	101.8	5000.0	5142.60	102.9	5119.75	102.4	P
Mercury	5.0	4.73	94.6	5.0	5.06	101.2	5.06	101.2	CV
Nickel	2500.0	2503.71	100.1	2500.0	2540.44	101.6	2611.97	104.5	P
Potassium	50000.0	47385.38	94.8	50000.0	48280.20	96.6	49105.11	98.2	P
Selenium	5000.0	5038.56	100.8	5000.0	5096.73	101.9	5196.27	103.9	P
Silver	1250.0	1291.18	103.3	1250.0	1276.83	102.1	1236.90	99.0	P
Sodium	125000.0	126824.2	101.5	125000.0	125962.6	100.8	123623.7	98.9	P
Thallium	5000.0	5046.73	100.9	5000.0	5101.71	102.0	5233.82	104.7	P
Vanadium	2500.0	2549.93	102.0	2500.0	2564.92	102.6	2539.38	101.6	P
Zinc	7500.0	7556.26	100.8	7500.0	7863.02	104.8	8266.08	110.2	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	126652.3	101.3			P
Antimony				1000.0	1018.77	101.9			P
Arsenic				5000.0	5225.02	104.5			P
Barium				10000.0	10013.16	100.1			P
Beryllium				1000.0	1038.33	103.8			P
Cadmium				2500.0	2627.19	105.1			P
Calcium				125000.0	129327.3	103.5			P
Chromium				5000.0	5167.61	103.4			P
Cobalt				2500.0	2601.70	104.1			P
Copper				12500.0	12427.38	99.4			P
Iron				100000.0	104320.0	104.3			P
Lead				10000.0	10541.79	105.4			P
Magnesium				125000.0	132298.4	105.8			P
Manganese				5000.0	5141.67	102.8			P
Mercury				5.0	5.20	104.0	5.03	100.6	CV
Nickel				2500.0	2596.93	103.9			P
Potassium				50000.0	47998.80	96.0			P
Selenium				5000.0	5223.28	104.5			P
Silver				1250.0	1261.18	100.9			P
Sodium				125000.0	123795.5	99.0			P
Thallium				5000.0	5202.76	104.1			P
Vanadium				2500.0	2557.19	102.3			P
Zinc				7500.0	8139.43	108.5			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X924 Batch No.: 21434_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	125812.8	100.7	129124.8	103.3	P
Antimony				1000.0	1010.85	101.1	1027.97	102.8	P
Arsenic				5000.0	5220.54	104.4	5191.80	103.8	P
Barium				10000.0	9887.22	98.9	10339.27	103.4	P
Beryllium				1000.0	1034.55	103.5	1040.01	104.0	P
Cadmium				2500.0	2633.38	105.3	2573.63	102.9	P
Calcium				125000.0	127811.2	102.2	128162.0	102.5	P
Chromium				5000.0	5148.99	103.0	5171.19	103.4	P
Cobalt				2500.0	2603.79	104.2	2587.96	103.5	P
Copper				12500.0	12288.33	98.3	12853.90	102.8	P
Iron				100000.0	103881.0	103.9	104150.7	104.2	P
Lead				10000.0	10552.25	105.5	10360.04	103.6	P
Magnesium				125000.0	132349.8	105.9	130816.9	104.7	P
Manganese				5000.0	5119.09	102.4	5162.40	103.2	P
Mercury				5.0	5.14	102.8	5.09	101.8	CV
Nickel				2500.0	2594.37	103.8	2568.37	102.7	P
Potassium				50000.0	47794.76	95.6	48059.88	96.1	P
Selenium				5000.0	5227.06	104.5	5194.35	103.9	P
Silver				1250.0	1250.34	100.0	1291.72	103.3	P
Sodium				125000.0	123439.4	98.8	127534.6	102.0	P
Thallium				5000.0	5194.00	103.9	5149.72	103.0	P
Vanadium				2500.0	2546.36	101.9	2587.98	103.5	P
Zinc				7500.0	8182.92	109.1	7901.17	105.3	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	128614.1	102.9	127998.5	102.4	P
Antimony				1000.0	1008.97	100.9	1008.33	100.8	P
Arsenic				5000.0	5009.03	100.2	5007.20	100.1	P
Barium				10000.0	10427.14	104.3	10375.87	103.8	P
Beryllium				1000.0	1011.46	101.1	1009.28	100.9	P
Cadmium				2500.0	2455.41	98.2	2446.71	97.9	P
Calcium				125000.0	122077.7	97.7	121494.3	97.2	P
Chromium				5000.0	5018.15	100.4	5008.31	100.2	P
Cobalt				2500.0	2498.26	99.9	2495.16	99.8	P
Copper				12500.0	12978.76	103.8	12903.65	103.2	P
Iron				100000.0	100751.4	100.8	100495.0	100.5	P
Lead				10000.0	9887.94	98.9	9873.17	98.7	P
Magnesium				125000.0	125527.6	100.4	125208.0	100.2	P
Manganese				5000.0	5044.43	100.9	5029.41	100.6	P
Mercury				5.0	5.11	102.2	5.25	105.0	CV
Nickel				2500.0	2483.16	99.3	2472.23	98.9	P
Potassium				50000.0	46699.91	93.4	46670.77	93.3	P
Selenium				5000.0	5038.34	100.8	5014.64	100.3	P
Silver				1250.0	1289.80	103.2	1286.41	102.9	P
Sodium				125000.0	127694.1	102.2	126916.4	101.5	P
Thallium				5000.0	4990.53	99.8	4975.75	99.5	P
Vanadium				2500.0	2534.19	101.4	2530.80	101.2	P
Zinc				7500.0	7425.04	99.0	7435.55	99.1	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X924 Batch No.: 21434_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				125000.0	130824.8	104.7			P
Antimony				1000.0	1017.82	101.8			P
Arsenic				5000.0	5092.67	101.9			P
Barium				10000.0	10623.59	106.2			P
Beryllium				1000.0	1023.48	102.3			P
Cadmium				2500.0	2497.96	99.9			P
Calcium				125000.0	124749.8	99.8			P
Chromium				5000.0	5105.06	102.1			P
Cobalt				2500.0	2545.05	101.8			P
Copper				12500.0	13219.91	105.8			P
Iron				100000.0	102575.7	102.6			P
Lead				10000.0	10037.31	100.4			P
Magnesium				125000.0	126805.5	101.4			P
Manganese				5000.0	5123.28	102.5			P
Mercury									NR
Nickel				2500.0	2542.63	101.7			P
Potassium				50000.0	47714.25	95.4			P
Selenium				5000.0	5111.55	102.2			P
Silver				1250.0	1311.32	104.9			P
Sodium				125000.0	128811.9	103.0			P
Thallium				5000.0	5102.00	102.0			P
Vanadium				2500.0	2567.93	102.7			P
Zinc				7500.0	7516.72	100.2			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X924 Batch No.: 21434_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	988.58	98.9	1000.0	982.54	98.3	991.80	99.2	P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium	5000.0	5135.33	102.7	5000.0	4990.29	99.8	5337.51	106.8	P
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	970.36	97.0	1000.0	978.22	97.8	964.87	96.5	P
Arsenic	5000.0	4884.90	97.7	5000.0	4870.60	97.4	4790.74	95.8	P
Barium	10000.0	9916.40	99.2	10000.0	9889.38	98.9	9815.17	98.2	P
Beryllium	1000.0	991.39	99.1	1000.0	1001.06	100.1	976.19	97.6	P
Cadmium	2500.0	2454.14	98.2	2500.0	2459.27	98.4	2398.64	95.9	P
Calcium									NR
Chromium	5000.0	4902.18	98.0	5000.0	4963.87	99.3	4876.22	97.5	P
Cobalt									NR
Copper	12500.0	12323.57	98.6	12500.0	12251.27	98.0	12166.70	97.3	P
Iron									NR
Lead	10000.0	9713.66	97.1	10000.0	9890.13	98.9	9758.77	97.6	P
Magnesium									NR
Manganese									NR
Mercury	5.0	4.94	98.8	5.0	5.19	103.8	5.29	105.8	CV
Nickel	2500.0	2448.49	97.9	2500.0	2459.47	98.4	2419.86	96.8	P
Potassium									NR
Selenium	5000.0	4868.18	97.4	5000.0	4858.99	97.2	4799.54	96.0	P
Silver	1250.0	1239.23	99.1	1250.0	1240.86	99.3	1227.19	98.2	P
Sodium									NR
Thallium	5000.0	4903.46	98.1	5000.0	4903.07	98.1	4840.59	96.8	P
Vanadium									NR
Zinc	7500.0	7460.01	99.5	7500.0	7599.94	101.3	7429.46	99.1	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	965.20	96.5	960.33	96.0	P
Arsenic				5000.0	4790.38	95.8	4840.64	96.8	P
Barium				10000.0	9945.91	99.5	9842.17	98.4	P
Beryllium				1000.0	968.12	96.8	978.12	97.8	P
Cadmium				2500.0	2390.74	95.6	2438.14	97.5	P
Calcium									NR
Chromium				5000.0	4879.56	97.6	4910.84	98.2	P
Cobalt									NR
Copper				12500.0	12341.79	98.7	12194.76	97.6	P
Iron									NR
Lead				10000.0	9757.46	97.6	9814.86	98.1	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.22	104.4	5.33	106.6	CV
Nickel				2500.0	2423.26	96.9	2459.04	98.4	P
Potassium									NR
Selenium				5000.0	4794.12	95.9	4820.43	96.4	P
Silver				1250.0	1233.31	98.7	1229.26	98.3	P
Sodium									NR
Thallium				5000.0	4874.03	97.5	4905.74	98.1	P
Vanadium									NR
Zinc				7500.0	7336.02	97.8	7491.55	99.9	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	1004.55	100.5	1000.0	1000.18	100.0	980.35	98.0	P
Arsenic	5000.0	4998.66	100.0	5000.0	5006.34	100.1	4986.64	99.7	P
Barium	10000.0	9961.03	99.6	10000.0	9948.39	99.5	9803.23	98.0	P
Beryllium	1000.0	1003.70	100.4	1000.0	996.56	99.7	989.52	99.0	P
Cadmium	2500.0	2521.88	100.9	2500.0	2493.00	99.7	2496.95	99.9	P
Calcium									NR
Chromium	5000.0	4986.94	99.7	5000.0	4976.84	99.5	4953.18	99.1	P
Cobalt									NR
Copper	12500.0	12344.64	98.8	12500.0	12370.61	99.0	12190.97	97.5	P
Iron									NR
Lead	10000.0	9982.94	99.8	10000.0	9988.96	99.9	9945.97	99.5	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.32	106.4	5.16	103.2	CV
Nickel	2500.0	2488.48	99.5	2500.0	2484.70	99.4	2489.32	99.6	P
Potassium									NR
Selenium	5000.0	4994.92	99.9	5000.0	4984.84	99.7	4977.98	99.6	P
Silver	1250.0	1247.97	99.8	1250.0	1245.66	99.7	1223.69	97.9	P
Sodium									NR
Thallium	5000.0	4982.99	99.7	5000.0	4979.78	99.6	4980.38	99.6	P
Vanadium									NR
Zinc	7500.0	7606.59	101.4	7500.0	7585.66	101.1	7616.89	101.6	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	1010.26	101.0			P
Arsenic				5000.0	5040.01	100.8			P
Barium				10000.0	9983.02	99.8			P
Beryllium				1000.0	1008.08	100.8			P
Cadmium				2500.0	2512.09	100.5			P
Calcium									NR
Chromium				5000.0	5018.82	100.4			P
Cobalt									NR
Copper				12500.0	12392.73	99.1			P
Iron									NR
Lead				10000.0	10045.21	100.5			P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.33	106.6	5.18	103.6	CV
Nickel				2500.0	2494.47	99.8			P
Potassium									NR
Selenium				5000.0	5006.25	100.1			P
Silver				1250.0	1244.73	99.6			P
Sodium									NR
Thallium				5000.0	4993.76	99.9			P
Vanadium									NR
Zinc				7500.0	7711.48	102.8			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.30	106.0			CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	488395	490353.8	98.1	508278	511762.5	102.4
Antimony		100		101.6	101.6		95.1	95.1
Arsenic		100		98.9	98.9		101.5	101.5
Barium		100		107.4	107.4		109.6	109.6
Beryllium		100		98.7	98.7		99.4	99.4
Cadmium		100		98.1	98.1		102.4	102.4
Calcium	500000	500000	469824	469478.5	93.9	477768	476954.4	95.4
Chromium		100		100.7	100.7		104.8	104.8
Cobalt		100		97.5	97.5		102.0	102.0
Copper		100		109.7	109.7		117.1	117.1
Iron	200000	200000	195064	195301.8	97.7	195145	195501.9	97.8
Lead		100		99.7	99.7		99.1	99.1
Magnesium	500000	500000	527042	529213.9	105.8	556335	559912.7	112.0
Manganese		100		99.6	99.6		107.0	107.0
Mercury								
Nickel		100		99.1	99.1		101.0	101.0
Potassium		10000		10188.8	101.9		10215.6	102.2
Selenium		100		98.7	98.7		106.6	106.6
Silver		100		104.7	104.7		106.8	106.8
Sodium		10000		10193.6	101.9		10471.3	104.7
Thallium		100		94.3	94.3		93.3	93.3
Vanadium		100		101.5	101.5		109.9	109.9
Zinc		100		98.4	98.4		101.3	101.3

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	507507	505855.5	101.2	513399	512985.1	102.6
Antimony		100		101.7	101.7		99.8	99.8
Arsenic		100		92.8	92.8		96.5	96.5
Barium		100		102.0	102.0		101.4	101.4
Beryllium		100		100.3	100.3		103.4	103.4
Cadmium		100		95.3	95.3		99.2	99.2
Calcium	500000	500000	508251	508683.1	101.7	528626	528117.6	105.6
Chromium		100		102.3	102.3		105.3	105.3
Cobalt		100		97.1	97.1		100.2	100.2
Copper		100		101.5	101.5		101.5	101.5
Iron	200000	200000	206510	205750.8	102.9	213489	212690.6	106.3
Lead		100		98.7	98.7		103.2	103.2
Magnesium	500000	500000	542656	540341.4	108.1	569849	564891.4	113.0
Manganese		100		98.7	98.7		100.9	100.9
Mercury								
Nickel		100		101.1	101.1		105.0	105.0
Potassium		10000		9085.7	90.9		9912.7	99.1
Selenium		100		99.1	99.1		98.2	98.2
Silver		100		102.6	102.6		103.5	103.5
Sodium		10000		10702.2	107.0		11138.0	111.4
Thallium		100		89.1	89.1		86.5	86.5
Vanadium		100		102.8	102.8		105.1	105.1
Zinc		100		107.6	107.6		114.5	114.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000				519984	510328.8	102.1
Antimony		100					90.6	90.6
Arsenic		100					93.0	93.0
Barium		100					103.9	103.9
Beryllium		100					98.0	98.0
Cadmium		100					92.2	92.2
Calcium	500000	500000				495793	491836.4	98.4
Chromium		100					100.4	100.4
Cobalt		100					96.2	96.2
Copper		100					103.0	103.0
Iron	200000	200000				205024	202652.5	101.3
Lead		100					97.5	97.5
Magnesium	500000	500000				536405	528946.7	105.8
Manganese		100					97.3	97.3
Mercury								
Nickel		100					100.8	100.8
Potassium		10000					8323.2	83.2
Selenium		100					92.7	92.7
Silver		100					104.2	104.2
Sodium		10000					11084.4	110.8
Thallium		100					85.1	85.1
Vanadium		100					103.6	103.6
Zinc		100					102.3	102.3

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	490000	494258.1	98.9	483323	477954.8	95.6
Antimony		100		94.1	94.1		94.2	94.2
Arsenic		100		100.0	100.0		106.7	106.7
Barium		100		103.7	103.7		96.6	96.6
Beryllium		100		99.6	99.6		108.2	108.2
Cadmium		100		110.9	110.9		105.8	105.8
Calcium	500000	500000	497769	500276.1	100.1	575188	557846.8	111.6
Chromium		100		100.4	100.4		108.4	108.4
Cobalt		100		98.0	98.0		106.5	106.5
Copper		100		105.0	105.0		93.9	93.9
Iron	200000	200000	204556	205619.2	102.8	225839	220016.6	110.0
Lead		100		91.1	91.1		104.4	104.4
Magnesium	500000	500000	544732	548026.4	109.6	585785	570216.9	114.0
Manganese		100		99.2	99.2		103.1	103.1
Mercury								
Nickel		100		101.3	101.3		110.9	110.9
Potassium		10000		10633.2	106.3		9990.3	99.9
Selenium		100		94.9	94.9		102.6	102.6
Silver		100		103.7	103.7		100.6	100.6
Sodium		10000		10431.5	104.3		9660.4	96.6
Thallium		100		95.2	95.2		103.0	103.0
Vanadium		100		98.7	98.7		103.5	103.5
Zinc		100		107.3	107.3		129.5	129.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	481026	501750.5	100.4	480957	492589.5	98.5
Antimony		100		109.4	109.4		98.2	98.2
Arsenic		100		97.4	97.4		92.1	92.1
Barium		100		107.4	107.4		102.5	102.5
Beryllium		100		102.4	102.4		96.9	96.9
Cadmium		100		96.0	96.0		91.7	91.7
Calcium	500000	500000	483446	503813.1	100.8	479445	489402.7	97.9
Chromium		100		103.1	103.1		99.9	99.9
Cobalt		100		99.5	99.5		97.2	97.2
Copper		100		110.1	110.1		103.5	103.5
Iron	200000	200000	198921	207535.6	103.8	195547	199806.2	99.9
Lead		100		95.7	95.7		97.3	97.3
Magnesium	500000	500000	532502	557216.4	111.4	523643	534074.2	106.8
Manganese		100		102.2	102.2		98.0	98.0
Mercury								
Nickel		100		102.6	102.6		100.5	100.5
Potassium		10000		11123.0	111.2		11273.7	112.7
Selenium		100		107.8	107.8		99.0	99.0
Silver		100		106.8	106.8		102.8	102.8
Sodium		10000		11123.0	111.2		11089.3	110.9
Thallium		100		99.0	99.0		94.2	94.2
Vanadium		100		101.7	101.7		98.4	98.4
Zinc		100		103.8	103.8		96.7	96.7

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	494219	482985.2	96.6	482343	491566.6	98.3
Antimony		100		91.8	91.8		95.0	95.0
Arsenic		100		99.1	99.1		93.9	93.9
Barium		100		100.8	100.8		103.1	103.1
Beryllium		100		98.1	98.1		99.6	99.6
Cadmium		100		91.8	91.8		92.6	92.6
Calcium	500000	500000	488838	488061.8	97.6	493309	494735.8	98.9
Chromium		100		99.5	99.5		100.8	100.8
Cobalt		100		96.5	96.5		98.1	98.1
Copper		100		102.2	102.2		105.3	105.3
Iron	200000	200000	201819	200674.5	100.3	202715	203942.1	102.0
Lead		100		101.0	101.0		101.9	101.9
Magnesium	500000	500000	541771	533154.4	106.6	540578	544261.2	108.9
Manganese		100		97.8	97.8		99.5	99.5
Mercury								
Nickel		100		101.3	101.3		101.7	101.7
Potassium		10000		10582.0	105.8		10751.6	107.5
Selenium		100		101.9	101.9		99.4	99.4
Silver		100		101.8	101.8		103.0	103.0
Sodium		10000		10537.8	105.4		10851.1	108.5
Thallium		100		88.7	88.7		88.9	88.9
Vanadium		100		98.3	98.3		98.7	98.7
Zinc		100		108.9	108.9		110.6	110.6

Spike Sample Recovery Summary

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS100506

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	47.8416		0.4900	U	50.00	95.7		P
Arsenic	75-125	193.9980		0.4500	U	200.00	97.0		P
Barium	75-125	200.0593		0.1942	B	200.00	99.9		P
Beryllium	75-125	4.9303		0.0100	U	5.00	98.6		P
Cadmium	75-125	5.1574		0.0500	U	5.00	103.1		P
Calcium									NR
Chromium	75-125	20.3556		0.2800	U	20.00	101.8		P
Cobalt									NR
Copper	75-125	24.9849		0.3100	U	25.00	99.9		P
Iron									NR
Lead	75-125	50.5660		0.2200	U	50.00	101.1		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	75-125	49.3078		0.3900	U	50.00	98.6		P
Potassium									NR
Selenium	75-125	191.2078		0.4800	U	200.00	95.6		P
Silver	75-125	4.7626		0.1200	U	5.00	95.3		P
Sodium									NR
Thallium	75-125	205.3798		0.4800	U	200.00	102.7		P
Vanadium									NR
Zinc	75-125	49.2677		0.5800	U	50.00	98.5		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS100606

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1663		0.0167	U	0.17	97.8		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775272MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.3518		0.2213		0.18	72.5	N	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775297MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	18.8410		1.1409	U	58.21	32.4	N	P
Arsenic	75-125	192.2962		3.8775		232.83	80.9		P
Barium	75-125	247.3427		76.2210		232.83	73.5	N	P
Beryllium	75-125	5.5602		0.7902		5.82	82.0		P
Cadmium	75-125	5.1863		0.1644	B	5.82	86.3		P
Calcium									NR
Chromium	75-125	84.1234		63.6861		23.28	87.8		P
Cobalt									NR
Copper	75-125	50.0785		23.8820		29.10	90.0		P
Iron									NR
Lead	75-125	60.2575		9.4647		58.21	87.3		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	75-125	297.3348		225.7080		58.21	123.0		P
Potassium									NR
Selenium	75-125	185.3395		1.6042		232.83	78.9		P
Silver	75-125	4.4563		0.2794	U	5.82	76.6		P
Sodium									NR
Thallium	75-125	199.6212		1.1176	U	232.83	85.7		P
Vanadium									NR
Zinc	75-125	111.5725		63.2554		58.21	83.0		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS100606

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	196.6600		6.2600	U	200.00	98.3		P
Antimony	75-125	50.8095		0.6576	B	50.00	100.3		P
Arsenic	75-125	211.4126		0.4250	B	200.00	105.5		P
Barium	75-125	187.4717		0.1700	U	200.00	93.7		P
Beryllium	75-125	5.0576		0.0300	U	5.00	101.2		P
Cadmium	75-125	5.5017		0.0400	U	5.00	110.0		P
Calcium	75-125	2146.8039		4.2500	U	2000.00	107.3		P
Chromium	75-125	20.4676		0.1600	U	20.00	102.3		P
Cobalt	75-125	51.1107		0.1700	U	50.00	102.2		P
Copper	75-125	23.5592		0.3700	U	25.00	94.2		P
Iron	75-125	106.7891		3.9200	U	100.00	106.8		P
Lead	75-125	54.3567		0.2700	U	50.00	108.7		P
Magnesium	75-125	2127.1203		4.1600	U	2000.00	106.4		P
Manganese	75-125	49.8630		0.1200	U	50.00	99.7		P
Mercury	75-125	0.1588		0.0167	U	0.17	93.4		CV
Nickel	75-125	51.8121		0.2400	U	50.00	103.6		P
Potassium	75-125	1960.6762		136.5740	B	2000.00	91.2		P
Selenium	75-125	209.9411		0.4200	U	200.00	105.0		P
Silver	75-125	4.7931		0.1400	U	5.00	95.9		P
Sodium	75-125	2038.5102		74.9626	B	2000.00	98.2		P
Thallium	75-125	214.9259		0.7271	B	200.00	107.1		P
Vanadium	75-125	49.7058		0.4700	U	50.00	99.4		P
Zinc	75-125	55.7018		0.5800	U	50.00	111.4		P
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

775068MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 70.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		8791.2640		8581.4725		283.29	74.1		P
Antimony	75-125	55.8181		3.1915		70.82	74.3	N	P
Arsenic	75-125	299.2779		21.0790		283.29	98.2		P
Barium	75-125	693.3686		473.3433		283.29	77.7		P
Beryllium	75-125	7.1856		0.6176		7.08	92.8		P
Cadmium	75-125	9.2646		1.8958		7.08	104.1		P
Calcium	75-125	7155.7198		4549.4521		2832.86	92.0		P
Chromium	75-125	55.8714		33.0184		28.33	80.7		P
Cobalt	75-125	71.6382		4.0711	B	70.82	95.4		P
Copper		191.7669		162.1836		35.41	83.5		P
Iron		13529.1895		10482.7371		141.64	2150.8		P
Lead		1352.9683		1270.1422		70.82	117.0		P
Magnesium	75-125	3662.5156		979.9229	B	2832.86	94.7		P
Manganese	75-125	225.8705		158.8779		70.82	94.6		P
Mercury									NR
Nickel	75-125	83.4654		15.1771		70.82	96.4		P
Potassium	75-125	3052.8793		809.7127	B	2832.86	79.2		P
Selenium	75-125	274.2555		1.1898	U	283.29	96.8		P
Silver	75-125	6.1938		0.3966	U	7.08	87.5		P
Sodium	75-125	2870.4788		190.3283	B	2832.86	94.6		P
Thallium	75-125	278.4263		1.3314	U	283.29	98.3		P
Vanadium	75-125	86.0892		22.0071		70.82	90.5		P
Zinc		1071.8765		955.2972		70.82	164.6		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775668MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1826		0.0176	U	0.18	101.4		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS101806

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	49.3779		0.5800	U	50.00	98.8		P
Arsenic	75-125	196.7233		0.3200	U	200.00	98.4		P
Barium	75-125	205.1306		0.1700	U	200.00	102.6		P
Beryllium	75-125	5.1942		0.0300	U	5.00	103.9		P
Cadmium	75-125	5.1372		0.0400	U	5.00	102.7		P
Calcium									NR
Chromium	75-125	20.5593		0.1600	U	20.00	102.8		P
Cobalt									NR
Copper	75-125	25.0736		0.3700	U	25.00	100.3		P
Iron									NR
Lead	75-125	50.2758		0.2700	U	50.00	100.6		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1750		0.0167	U	0.17	102.9		CV
Nickel	75-125	50.7987		0.2400	U	50.00	101.6		P
Potassium									NR
Selenium	75-125	193.7404		0.4200	U	200.00	96.9		P
Silver	75-125	5.0048		0.1400	U	5.00	100.1		P
Sodium									NR
Thallium	75-125	202.7910		0.4700	U	200.00	101.4		P
Vanadium									NR
Zinc	75-125	51.6499		0.5800	U	50.00	103.3		P
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

778405MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 53.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	25.5343		2.1642	U	93.28	27.4	N	P
Arsenic	75-125	324.2597		10.2813		373.13	84.1		P
Barium	75-125	396.7287		82.8213		373.13	84.1		P
Beryllium	75-125	8.7052		0.7198	B	9.33	85.6		P
Cadmium	75-125	8.9071		1.0851	B	9.33	83.8		P
Calcium									NR
Chromium	75-125	122.4716		98.5463		37.31	64.1	N	P
Cobalt									NR
Copper	75-125	146.8724		115.9672		46.64	66.3	N	P
Iron									NR
Lead	75-125	182.3198		116.2649		93.28	70.8	N	P
Magnesium									NR
Manganese									NR
Mercury		2.0243		1.8470		0.31	57.2		CV
Nickel	75-125	113.5981		37.0608		93.28	82.1		P
Potassium									NR
Selenium	75-125	313.7220		1.5672	U	373.13	84.1		P
Silver	75-125	11.9646		4.5951		9.33	79.0		P
Sodium									NR
Thallium	75-125	317.6519		1.7537	U	373.13	85.1		P
Vanadium									NR
Zinc	75-125	267.4813		201.7575		93.28	70.5	N	P
Molybdenu									NR

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __X924 Batch No.: 21429_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		69.2170		67.4224		2.6		P
Arsenic		69.9264		70.3398		0.6		P
Barium		138.4156		140.5578		1.5		P
Beryllium		127.2932		127.4440		0.1		P
Cadmium		212.4948		210.1602		1.1		P
Calcium								NR
Chromium		55.8624		56.4154		1.0		P
Cobalt								NR
Copper		119.3050		119.3200		0.0		P
Iron								NR
Lead		69.0992		69.1844		0.1		P
Magnesium								NR
Manganese								NR
Mercury		3.5250		3.5833		1.6		CV
Nickel		45.6284		45.9632		0.7		P
Potassium								NR
Selenium		74.3628		74.8726		0.7		P
Silver		70.0708		70.5174		0.6		P
Sodium								NR
Thallium		143.7660		148.5868		3.3		P
Vanadium								NR
Zinc		104.8928		104.3606		0.5		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

775272D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 91.9 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.2213		0.2394		7.9		CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

775297D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.9 % Solids for Duplicate: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.1409	U	1.1409	U			P
Arsenic		3.8775		3.4575		11.5		P
Barium	23.3	76.2210		63.4712		18.3		P
Beryllium	0.2	0.7902		0.7616		3.7		P
Cadmium		0.1644	B	0.1164	U	200.0		P
Calcium								NR
Chromium		63.6861		61.4694		3.5		P
Cobalt								NR
Copper		23.8820		22.8731		4.3		P
Iron								NR
Lead		9.4647		9.3984		0.7		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		225.7080		233.0261		3.2		P
Potassium								NR
Selenium	0.6	1.6042		1.1176	U	200.0		P
Silver		0.2794	U	0.2794	U			P
Sodium								NR
Thallium		1.1176	U	1.1176	U			P
Vanadium								NR
Zinc		63.2554		60.0994		5.1		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7507.2508		7475.0546		0.4		P
Antimony		104.6058		104.4384		0.2		P
Arsenic		80.2224		78.7894		1.8		P
Barium		143.8190		146.3910		1.8		P
Beryllium		140.4192		140.7418		0.2		P
Cadmium		238.4784		238.0180		0.2		P
Calcium		4361.5460		4336.6618		0.6		P
Chromium		67.6386		66.3370		1.9		P
Cobalt		70.0290		69.5226		0.7		P
Copper		123.8844		124.9820		0.9		P
Iron		19473.1344		18179.4376		6.9		P
Lead		77.3312		77.7364		0.5		P
Magnesium	500.0	2269.2352		2225.6144		1.9		P
Manganese		308.6818		304.4656		1.4		P
Mercury		3.2083		3.3083		3.1		CV
Nickel		52.5374		51.9274		1.2		P
Potassium	500.0	2228.8376		2171.3488		2.6		P
Selenium		85.6878		84.7218		1.1		P
Silver		76.0770		76.8364		1.0		P
Sodium		490.1246	B	458.9252	B	6.6		P
Thallium		164.9850		160.1652		3.0		P
Vanadium		81.9432		78.6108		4.2		P
Zinc		126.5002		126.2482		0.2		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

775068D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 70.6 % Solids for Duplicate: 70.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		8581.4725		8414.1201		2.0		P
Antimony	1.4	3.1915		3.5144		9.6		P
Arsenic		21.0790		25.6382		19.5		P
Barium		473.3433		457.1955		3.5		P
Beryllium	0.3	0.6176		0.6884		10.8		P
Cadmium	0.7	1.8958		2.5892		30.9		P
Calcium		4549.4521		5251.0125		14.3		P
Chromium		33.0184		31.1371		5.9		P
Cobalt		4.0711	B	4.7785	B	16.0		P
Copper		162.1836		172.4306		6.1		P
Iron		10482.7371		13468.7178		24.9	*	P
Lead		1270.1422		1340.4309		5.4		P
Magnesium	708.2	979.9229	B	849.0671	B	14.3		P
Manganese		158.8779		164.3363		3.4		P
Mercury								NR
Nickel	5.7	15.1771		16.7864		10.1		P
Potassium	708.2	809.7127	B	874.2691	B	7.7		P
Selenium		1.1898	U	1.1898	U			P
Silver		0.3966	U	0.6224	B	200.0		P
Sodium		190.3283	B	270.8722	B	34.9		P
Thallium		1.3314	U	1.3314	U			P
Vanadium	7.1	22.0071		23.7431		7.6		P
Zinc		955.2972		1087.8051		13.0		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

775668D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __X924 Batch No.: 21434_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _94.9 % Solids for Duplicate: __94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.0176	U	0.0176	U			CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Molybdenu								NR

LAB SAMPLE NO.

DUPLICATES

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __X924 Batch No.: 21515_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		47.9040		48.2996		0.8		P
Arsenic		71.2918		72.3412		1.5		P
Barium		142.9830		149.4356		4.4		P
Beryllium		132.4088		134.8648		1.8		P
Cadmium		211.7996		215.5782		1.8		P
Calcium								NR
Chromium		56.3548		56.7986		0.8		P
Cobalt								NR
Copper		118.3682		120.8930		2.1		P
Iron								NR
Lead		70.9794		72.7064		2.4		P
Magnesium								NR
Manganese								NR
Mercury		3.3917		3.5833		5.5		CV
Nickel		46.5732		47.1734		1.3		P
Potassium								NR
Selenium		76.6644		78.4680		2.3		P
Silver		73.6450		74.5350		1.2		P
Sodium								NR
Thallium		144.5468		144.2876		0.2		P
Vanadium								NR
Zinc		108.8696		109.5406		0.6		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

778405D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 53.6 % Solids for Duplicate: 53.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		2.1642	U	2.1642	U			P
Arsenic		10.2813		8.9362		14.0		P
Barium	37.3	82.8213		77.1754		7.1		P
Beryllium	0.4	0.7198	B	0.7787	B	7.9		P
Cadmium	0.9	1.0851	B	1.1224	B	3.4		P
Calcium								NR
Chromium		98.5463		94.4679		4.2		P
Cobalt								NR
Copper		115.9672		113.2757		2.3		P
Iron								NR
Lead		116.2649		111.9299		3.8		P
Magnesium								NR
Manganese								NR
Mercury		1.8470		1.6387		12.0		CV
Nickel	7.5	37.0608		34.9418		5.9		P
Potassium								NR
Selenium		1.5672	U	1.5672	U			P
Silver	1.9	4.5951		4.5526		0.9		P
Sodium								NR
Thallium		1.7537	U	1.7537	U			P
Vanadium								NR
Zinc		201.7575		193.6403		4.1		P
Molybdenu								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Solid LCS Source: ERA D048

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				77.5	69.2		3.9	173.0	89.3
Arsenic				80.9	69.9		64.5	97.3	86.4
Barium				156.0	138.4		128.0	184.0	88.7
Beryllium				143.0	127.3		117.0	169.0	89.0
Cadmium				233.0	212.5		188.0	277.0	91.2
Calcium									
Chromium				60.8	55.9		47.7	73.8	91.9
Cobalt									
Copper				131.0	119.3		108.0	154.0	91.1
Iron									
Lead				76.8	69.1		61.9	91.8	90.0
Magnesium									
Manganese									
Mercury				3.6	3.5		2.4	4.8	97.2
Nickel				49.6	45.6		40.4	58.8	91.9
Potassium									
Selenium				82.9	74.4		62.6	103.0	89.7
Silver				80.0	70.1		49.0	111.0	87.6
Sodium									
Thallium				158.0	143.8		119.0	197.0	91.0
Vanadium									
Zinc				116.0	104.9		90.5	141.0	90.4
Molybdenu									

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7590.0	7507.3		4390.0	10800.0	98.9
Antimony				77.5	104.6		0.1	173.0	135.0
Arsenic				80.9	80.2		64.5	97.3	99.1
Barium				156.0	143.8		128.0	184.0	92.2
Beryllium				143.0	140.4		117.0	169.0	98.2
Cadmium				233.0	238.5		188.0	277.0	102.4
Calcium				4320.0	4361.5		3420.0	5220.0	101.0
Chromium				60.8	67.6		47.7	73.8	111.2
Cobalt				68.6	70.0		56.1	81.1	102.0
Copper				131.0	123.9		108.0	154.0	94.6
Iron				14400.0	19473.1		7420.0	21400.0	135.2
Lead				76.8	77.3		61.9	91.8	100.7
Magnesium				2220.0	2269.2		1710.0	2730.0	102.2
Manganese				304.0	308.7		243.0	365.0	101.5
Mercury				3.6	3.2		2.4	4.8	88.9
Nickel				49.6	52.5		40.4	58.8	105.8
Potassium				2380.0	2228.8		1700.0	3060.0	93.6
Selenium				82.9	85.7		62.6	103.0	103.4
Silver				80.0	76.1		49.0	111.0	95.1
Sodium				456.0	490.1	B	254.0	658.0	107.5
Thallium				158.0	165.0		119.0	197.0	104.4
Vanadium				72.4	81.9		51.7	93.0	113.1
Zinc				116.0	126.5		90.5	141.0	109.1
Molybdenu									

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				77.5	47.9		0.1	173.0	61.8
Arsenic				80.9	71.3		64.5	97.3	88.1
Barium				156.0	143.0		128.0	184.0	91.7
Beryllium				143.0	132.4		117.0	169.0	92.6
Cadmium				233.0	211.8		188.0	277.0	90.9
Calcium									
Chromium				60.8	56.4		47.7	73.8	92.8
Cobalt									
Copper				131.0	118.4		108.0	154.0	90.4
Iron									
Lead				76.8	71.0		61.9	91.8	92.4
Magnesium									
Manganese									
Mercury				3.6	3.4		2.4	4.8	94.4
Nickel				49.6	46.6		40.4	58.8	94.0
Potassium									
Selenium				82.9	76.7		62.6	103.0	92.5
Silver				80.0	73.6		49.0	111.0	92.0
Sodium									
Thallium				158.0	144.5		119.0	197.0	91.5
Vanadium									
Zinc				116.0	108.9		90.5	141.0	93.9
Molybdenu									

Serial Dilution Summary

LAB SAMPLE NO.

775297L

ICP SERIAL DILUTION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21429

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	4.90	U	24.50	U			P
Arsenic	16.65		22.50	U	100.0		P
Barium	327.37		340.90	B	4.1		P
Beryllium	3.39		4.10	B	20.9		P
Cadmium	0.71	B	2.50	U	100.0		P
Calcium							NR
Chromium	273.53		287.94		5.3		P
Cobalt							NR
Copper	102.57		115.52	B	12.6		P
Iron							NR
Lead	40.65		38.18		6.1		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	969.42		1032.28		6.5		P
Potassium							NR
Selenium	6.89		24.00	U	100.0		P
Silver	1.20	U	6.00	U			P
Sodium							NR
Thallium	4.80	U	24.00	U			P
Vanadium							NR
Zinc	271.68		286.48		5.4		P

ICP SERIAL DILUTION

LAB SAMPLE NO.

775068L

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21434

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	30292.60		30999.38		2.3		P
Antimony	11.27		47.12	B	318.1		P
Arsenic	74.41		83.90		12.8		P
Barium	1670.90		1684.55		0.8		P
Beryllium	2.18		1.64	B	24.8		P
Cadmium	6.69		4.67	B	30.2		P
Calcium	16059.57		16202.00	B	0.9		P
Chromium	116.56		118.80		1.9		P
Cobalt	14.37	B	22.55	B	56.9		P
Copper	572.51		574.28		0.3		P
Iron	37004.06		37432.70		1.2		P
Lead	4483.60		4526.67		1.0		P
Magnesium	3459.13	B	3483.51	B	0.7		P
Manganese	560.84		562.42		0.3		P
Mercury							NR
Nickel	53.58		56.74	B	5.9		P
Potassium	2858.29	B	7646.43	B	167.5		P
Selenium	4.20	U	21.00	U			P
Silver	1.40	U	7.00	U			P
Sodium	671.86	B	2593.10	B	286.0		P
Thallium	4.70	U	23.50	U			P
Vanadium	77.68		83.99	B	8.1		P
Zinc	3372.20		3417.52		1.3		P

LAB SAMPLE NO.

ICP SERIAL DILUTION

778405L

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X924 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	5.80	U	29.00	U			P
Arsenic	27.55		16.00	U	100.0		P
Barium	221.96		230.62	B	3.9		P
Beryllium	1.93	B	1.50	U	100.0		P
Cadmium	2.91	B	2.94	B	1.0		P
Calcium							NR
Chromium	264.10		280.88		6.4		P
Cobalt							NR
Copper	310.79		319.48		2.8		P
Iron							NR
Lead	311.59		327.14		5.0		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	99.32		104.36	B	5.1		P
Potassium							NR
Selenium	4.20	U	21.00	U			P
Silver	12.32		12.84	B	4.2		P
Sodium							NR
Thallium	4.70	U	23.50	U			P
Vanadium							NR
Zinc	540.71		547.19		1.2		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21429_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1302																X									
STD02	1.00	1304																X									
STD03	1.00	1305																X									
STD04	1.00	1307																X									
STD05	1.00	1308																X									
STD06	1.00	1310																X									
ICV/ACCV	1.00	1313																X									
ICB/CCB	1.00	1314																X									
ZZZZZZ	1.00	1316																									
ZZZZZZ	1.00	1318																									
ZZZZZZ	5.00	1320																									
ZZZZZZ	5.00	1322																									
ZZZZZZ	1.00	1323																									
ZZZZZZ	1.00	1325																									
ZZZZZZ	1.00	1327																									
CCV	1.00	1329																X									
CCB	1.00	1331																X									
ZZZZZZ	1.00	1332																									
ZZZZZZ	1.00	1334																									
ZZZZZZ	1.00	1336																									
ZZZZZZ	1.00	1338																									
ZZZZZZ	1.00	1340																									
ZZZZZZ	1.00	1341																									
CCV	1.00	1343																X									
CCB	1.00	1345																X									
BS100606	1.00	1348																X									
SS100606	1.00	1350																X									
LCSSD048	5.00	1351																X									
SSD048-D	5.00	1353																X									
775272	1.00	1355																X									
775272D	1.00	1357																X									
775272MS	1.00	1359																X									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21429_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
775273	1.00	1401																X									
775275	1.00	1403																X									
CCV	1.00	1405																X									
CCB	1.00	1408																X									
775276	1.00	1409																X									
775278	1.00	1411																X									
775279	1.00	1413																X									
775281	1.00	1415																X									
775282	1.00	1416																X									
775283	1.00	1418																X									
775285	1.00	1420																X									
775286	1.00	1422																X									
775288	1.00	1423																X									
CCV	1.00	1426																X									
CCB	1.00	1427																X									
775289	1.00	1429																X									
775291	1.00	1431																X									
775292	1.00	1432																X									
775294	1.00	1434																X									
775295	1.00	1436																X									
775297	1.00	1438																X									
775298	1.00	1440																X									
775299	1.00	1442																X									
CCV	1.00	1444																X									
CCB	1.00	1446																X									
ZZZZZZ	1.00	1447																									
ZZZZZZ	1.00	1449																									
ZZZZZZ	5.00	1451																									
ZZZZZZ	5.00	1453																									
ZZZZZZ	1.00	1455																									
ZZZZZZ	1.00	1457																									
ZZZZZZ	1.00	1458																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21429_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1500																													
CCV	1.00	1502																X													
CCB	1.00	1504																X													
ZZZZZZ	1.00	1507																													
ZZZZZZ	1.00	1508																													
ZZZZZZ	1.00	1510																													
ZZZZZZ	1.00	1512																													
ZZZZZZ	1.00	1514																													
ZZZZZZ	1.00	1516																													
ZZZZZZ	1.00	1518																													
ZZZZZZ	1.00	1519																													
CCV	1.00	1521																X													
CCB	1.00	1523																X													
ZZZZZZ	1.00	1525																													
ZZZZZZ	1.00	1527																													
ZZZZZZ	1.00	1528																													
ZZZZZZ	1.00	1530																													
ZZZZZZ	1.00	1532																													
ZZZZZZ	1.00	1533																													
ZZZZZZ	1.00	1535																													
ZZZZZZ	1.00	1537																													
CCV	1.00	1539																X													
CCB	1.00	1541																X													

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21429_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/09/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
2CAL-BLK	1.00	1918		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T2CAL1	1.00	1924		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X		X	X		X	X	X	X
T2CAL2	1.00	1930		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	1936		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1942																												
ICV/CCV	1.00	1948			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICB/CCB	1.00	1953			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	1959			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	2005			X	X	X	X	X		X		X		X				X		X	X		X		X	
ZZZZZZ	1.00	2011																												
ZZZZZZ	1.00	2017																												
ZZZZZZ	1.00	2023																												
SS100506	1.00	2028			X	X	X	X	X		X		X		X				X		X	X		X		X	
BS100506	1.00	2034			X	X	X	X	X		X		X		X				X		X	X		X		X	
LCSSD048	2.00	2040			X	X	X	X	X		X		X		X				X		X	X		X		X	
SSD048-D	2.00	2046			X	X	X	X	X		X		X		X				X		X	X		X		X	
775297D	2.00	2052			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	2058			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	2104			X	X	X	X	X		X		X		X				X		X	X		X		X	
775297	2.00	2109			X	X	X	X	X		X		X		X				X		X	X		X		X	
775297L	2.00	2115			X	X	X	X	X		X		X		X				X		X	X		X		X	
775297MS	2.00	2121			X	X	X	X	X		X		X		X				X		X	X		X		X	
ZZZZZZ	2.00	2127																												
775272	2.00	2133			X	X	X	X	X		X		X		X				X		X	X		X		X	
775273	2.00	2139			X	X	X	X	X		X		X		X				X		X	X		X		X	
775275	2.00	2145			X	X	X	X	X		X		X		X				X		X	X		X		X	
775276	2.00	2150			X	X	X	X	X		X		X		X				X		X	X		X		X	
775278	2.00	2156			X	X	X	X	X		X		X		X				X		X	X		X		X	
775279	2.00	2202			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	2208			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	2214			X	X	X	X	X		X		X		X				X		X	X		X		X	
775281	2.00	2220			X	X	X	X	X		X		X		X				X		X	X		X		X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21429_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/09/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
775282	2.00	2226			X	X	X	X	X		X		X		X				X		X	X		X		X	
775283	2.00	2231			X	X	X	X	X		X		X		X				X		X	X		X		X	
775285	2.00	2237			X	X	X	X	X		X		X		X				X		X	X		X		X	
775286	2.00	2243			X	X	X	X	X		X		X		X				X		X	X		X		X	
775288	2.00	2249			X	X	X	X	X		X		X		X				X		X	X		X		X	
775289	2.00	2255			X	X	X	X	X		X		X		X				X		X	X		X		X	
775291	2.00	2301			X	X	X	X	X		X		X		X				X		X	X		X		X	
775292	2.00	2307			X	X	X	X	X		X		X		X				X		X	X		X		X	
775294	2.00	2313			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	2318			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	2324			X	X	X	X	X		X		X		X				X		X	X		X		X	
775295	2.00	2330			X	X	X	X	X		X		X		X				X		X	X		X		X	
775298	2.00	2336			X	X	X	X	X		X		X		X				X		X	X		X		X	
775299	2.00	2342			X	X	X	X	X		X		X		X				X		X	X		X		X	
ZZZZZZ	5.00	2348																									
ZZZZZZ	10.00	2354																									
ICSA	1.00	0000			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	0005			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0011			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0017			X	X	X	X	X		X		X		X				X		X	X		X		X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1302																X									
STD02	1.00	1304																X									
STD03	1.00	1305																X									
STD04	1.00	1307																X									
STD05	1.00	1308																X									
STD06	1.00	1310																X									
ICV/ACCV	1.00	1313																X									
ICB/CCB	1.00	1314																X									
BS100606	1.00	1316																X									
SS100606	1.00	1318																X									
LCSSD048	5.00	1320																X									
SSD048-D	5.00	1322																X									
775668	1.00	1323																X									
775668D	1.00	1325																X									
775668MS	1.00	1327																X									
CCV	1.00	1329																X									
CCB	1.00	1331																X									
775300	1.00	1332																X									
775302	1.00	1334																X									
775667	1.00	1336																X									
775669	1.00	1338																X									
773128	1.00	1340																X									
773894	1.00	1341																X									
CCV	1.00	1343																X									
CCB	1.00	1345																X									
ZZZZZZ	1.00	1348																									
ZZZZZZ	1.00	1350																									
ZZZZZZ	5.00	1351																									
ZZZZZZ	5.00	1353																									
ZZZZZZ	1.00	1355																									
ZZZZZZ	1.00	1357																									
ZZZZZZ	1.00	1359																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1401																												
ZZZZZZ	1.00	1403																												
CCV	1.00	1405																X												
CCB	1.00	1408																X												
ZZZZZZ	1.00	1409																												
ZZZZZZ	1.00	1411																												
ZZZZZZ	1.00	1413																												
ZZZZZZ	1.00	1415																												
ZZZZZZ	1.00	1416																												
ZZZZZZ	1.00	1418																												
ZZZZZZ	1.00	1420																												
ZZZZZZ	1.00	1422																												
ZZZZZZ	1.00	1423																												
CCV	1.00	1426																X												
CCB	1.00	1427																X												
ZZZZZZ	1.00	1429																												
ZZZZZZ	1.00	1431																												
ZZZZZZ	1.00	1432																												
ZZZZZZ	1.00	1434																												
ZZZZZZ	1.00	1436																												
ZZZZZZ	1.00	1438																												
ZZZZZZ	1.00	1440																												
ZZZZZZ	1.00	1442																												
CCV	1.00	1444																X												
CCB	1.00	1446																X												
ZZZZZZ	1.00	1447																												
ZZZZZZ	1.00	1449																												
ZZZZZZ	5.00	1451																												
ZZZZZZ	5.00	1453																												
ZZZZZZ	1.00	1455																												
ZZZZZZ	1.00	1457																												
ZZZZZZ	1.00	1458																												

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1500																												
CCV	1.00	1502																X												
CCB	1.00	1504																X												
ZZZZZZ	1.00	1507																												
ZZZZZZ	1.00	1508																												
ZZZZZZ	1.00	1510																												
ZZZZZZ	1.00	1512																												
ZZZZZZ	1.00	1514																												
ZZZZZZ	1.00	1516																												
ZZZZZZ	1.00	1518																												
ZZZZZZ	1.00	1519																												
CCV	1.00	1521																X												
CCB	1.00	1523																X												
ZZZZZZ	1.00	1525																												
ZZZZZZ	1.00	1527																												
ZZZZZZ	1.00	1528																												
ZZZZZZ	1.00	1530																												
ZZZZZZ	1.00	1532																												
ZZZZZZ	1.00	1533																												
ZZZZZZ	1.00	1535																												
ZZZZZZ	1.00	1537																												
CCV	1.00	1539																X												
CCB	1.00	1541																X												

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1942		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1948		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1954		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1959		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2005																_									
ICV/CCV	1.00	2010		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB/CCB	1.00	2021		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.00	2031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	2037		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	2043																_									_
ZZZZZZ	1.00	2049		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2054		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2100		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2105		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2111		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2117		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2122		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	2128		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2134		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	2139																_									_
ZZZZZZ	1.00	2145		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2150		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	2156		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2202		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2207		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2213		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2218		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2224		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2230		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	2235		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2241		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	2246																_									_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/06/06 End Date: 10/06/06

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	2252																										
ZZZZZZ	1.00	2258																										
ICSA	1.00	2303		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	2309		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	2315		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2320		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/06/06 End Date: 10/07/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
SS100606	1.00	2326		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
BS100606	1.00	2331		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSD048	2.00	2337		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
SSD048-D	2.00	2343		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
775068D_	2.00	2348		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	
775068__	2.00	2354													X													
775068L_	2.00	2359		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
775068MS	2.00	0005		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ__	2.00	0011																										
775300__	2.00	0016		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	
CCV_____	1.00	0022		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB_____	1.00	0028		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
775302__	2.00	0033		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	
775667__	2.00	0039		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	
775668__	2.00	0044		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	
775669__	1.00	0050		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	
773128__	1.00	0056		X		X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	
773894__	1.00	0101		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_	
ZZZZZZ__	1.00	0107																										
ZZZZZZ__	1.00	0113		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
CCV_____	1.00	0118		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB_____	1.00	0124		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ__	1.00	0129																										
ZZZZZZ__	1.00	0135		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0141		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0146		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0152		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0158		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0203		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0209		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0214		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ZZZZZZ__	2.00	0220		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
_____	_____	_____	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/06/06 End Date: 10/07/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
CCV	1.00	0226		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	_
CCB	1.00	0231		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	2.00	0237																												
ZZZZZZ	2.00	0243																												
ZZZZZZ	2.00	0248																												
ZZZZZZ	2.00	0254																												
ZZZZZZ	2.00	0259																												
ZZZZZZ	2.00	0305																												
ZZZZZZ	2.00	0311																												
ZZZZZZ	2.00	0316																												
ZZZZZZ	1.00	0322																												
ZZZZZZ	2.00	0328																												
CCV	1.00	0333		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	_
CCB	1.00	0339		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	2.00	0345																												
ZZZZZZ	2.00	0350																												
ZZZZZZ	5.00	0356																												
ZZZZZZ	2.00	0401																												
ZZZZZZ	2.00	0407																												
ZZZZZZ	2.00	0413																												
ZZZZZZ	2.00	0418																												
ICSA	1.00	0424		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	_
ICSAB	1.00	0430		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	_
CCV	1.00	0435		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	_
CCB	1.00	0441		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21434_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/09/06 End Date: 10/09/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO			
3CAL-BLK	1.00	1406		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X			
T3CAL1	1.00	1412		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X		X	X		X	X	X			
T3CAL2	1.00	1417		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X			
T3CAL3	1.00	1423		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1429																												
ICV/CCV	1.00	1434		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
ICB/CCB	1.00	1440		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
ICSA	1.00	1451		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
ICSAB	1.00	1456		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
ZZZZZZ	1.00	1505		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ZZZZZZ	1.00	1510		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ZZZZZZ	1.00	1516		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ZZZZZZ	1.00	1521		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ZZZZZZ	1.00	1527		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ZZZZZZ	1.00	1532		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ZZZZZZ	1.00	1538		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ZZZZZZ	1.00	1544		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
CCV	1.00	1611		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
CCB	1.00	1617		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
ZZZZZZ	1.00	1622		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
775068D	2.00	1636		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
775068	2.00	1641		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
773128	1.00	1647		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
ICSA	1.00	1652		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
ICSAB	1.00	1658		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
CCV	1.00	1704		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
CCB	1.00	1709		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_				
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1415																X									
STD02	1.00	1416																X									
STD03	1.00	1418																X									
STD04	1.00	1420																X									
STD05	1.00	1421																X									
STD06	1.00	1423																X									
ICV/ACCV	1.00	1425																X									
ICB/CCB	1.00	1426																X									
ZZZZZZ	1.00	1428																									
ZZZZZZ	1.00	1430																									
ZZZZZZ	5.00	1431																									
ZZZZZZ	5.00	1433																									
ZZZZZZ	1.00	1434																									
ZZZZZZ	1.00	1436																									
ZZZZZZ	1.00	1438																									
ZZZZZZ	1.00	1439																									
CCV	1.00	1441																X									
CCB	1.00	1443																X									
ZZZZZZ	1.00	1444																									
ZZZZZZ	1.00	1446																									
ZZZZZZ	1.00	1448																									
ZZZZZZ	1.00	1449																									
ZZZZZZ	1.00	1451																									
ZZZZZZ	1.00	1453																									
ZZZZZZ	1.00	1454																									
ZZZZZZ	1.00	1456																									
CCV	1.00	1457																X									
CCB	1.00	1459																X									
ZZZZZZ	1.00	1501																									
ZZZZZZ	1.00	1503																									
ZZZZZZ	1.00	1504																									
ZZZZZZ	1.00	1506																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1508																												
ZZZZZZ	1.00	1509																												
ZZZZZZ	1.00	1511																												
ZZZZZZ	1.00	1513																												
ZZZZZZ	1.00	1514																												
CCV	1.00	1516																X												
CCB	1.00	1517																X												
ZZZZZZ	1.00	1519																												
ZZZZZZ	1.00	1521																												
ZZZZZZ	5.00	1522																												
ZZZZZZ	5.00	1524																												
ZZZZZZ	1.00	1526																												
ZZZZZZ	1.00	1527																												
ZZZZZZ	1.00	1529																												
ZZZZZZ	1.00	1530																												
ZZZZZZ	1.00	1532																												
CCV	1.00	1534																X												
CCB	1.00	1535																X												
ZZZZZZ	1.00	1537																												
ZZZZZZ	1.00	1539																												
ZZZZZZ	1.00	1540																												
ZZZZZZ	1.00	1542																												
ZZZZZZ	1.00	1544																												
ZZZZZZ	1.00	1546																												
ZZZZZZ	1.00	1547																												
ZZZZZZ	1.00	1549																												
ZZZZZZ	1.00	1550																												
CCV	1.00	1552																X												
CCB	1.00	1554																X												
ZZZZZZ	1.00	1555																												
ZZZZZZ	1.00	1557																												
ZZZZZZ	1.00	1559																												

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1600																												
ZZZZZZ	1.00	1602																												
ZZZZZZ	1.00	1604																												
ZZZZZZ	1.00	1605																												
ZZZZZZ	1.00	1607																												
CCV	1.00	1609																X												
CCB	1.00	1610																X												
BS101806	1.00	1612																X												
SS101806	1.00	1613																X												
LCSSD048	5.00	1615																X												
SSD048-D	5.00	1617																X												
778405	1.00	1618																X												
778405D	1.00	1620																X												
778405MS	1.00	1622																X												
775274	1.00	1623																X												
CCV	1.00	1625																X												
CCB	1.00	1627																X												
775280	1.00	1628																X												
775824	1.00	1630																X												
775290	1.00	1632																X												
775301	1.00	1633																X												
775568	1.00	1635																X												
775578	1.00	1637																X												
775581	1.00	1638																X												
775583	1.00	1640																X												
CCV	1.00	1642																X												
CCB	1.00	1644																X												
776962	1.00	1645																X												
776971	1.00	1647																X												
776982	1.00	1649																X												
777162	1.00	1650																X												
777163	1.00	1652																X												

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
777164	1.00	1654																X									
776400	1.00	1655																X									
CCV	1.00	1657																X									
CCB	1.00	1659																X									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/19/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1220		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1225		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1231		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1237		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1242		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1248		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	1253		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	1259		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	1305		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1310		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1316		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1338		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
SS101806	1.00	1351		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1356		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
LCSSD048	2.00	1402		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
SSD048-D	2.00	1408		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405D	2.00	1413		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	1419		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1424		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405	2.00	1430		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405L	2.00	1436		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405MS	2.00	1441		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	2.00	1447		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
776400	1.00	1452		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	2.00	1458		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1504		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1509		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1515		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1521		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1526		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1532		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	2.00	1537		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/19/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	2.00	1543																												
ZZZZZZ	5.00	1549																												
ZZZZZZ	5.00	1610																												
ZZZZZZ	5.00	1619																												
ZZZZZZ	5.00	1633																												
ZZZZZZ	5.00	1638																												
ZZZZZZ	5.00	1644																												
BS101806	1.00	1650			X	X	X	X	X		X		X		X				X		X	X		X		X				
CCV	1.00	1655			X	X	X	X	X		X		X		X				X		X	X		X		X				
CCB	1.00	1701			X	X	X	X	X		X		X		X				X		X	X		X		X				
ICSA	1.00	1706			X	X	X	X	X		X		X		X				X		X	X		X		X				
ICSAB	1.00	1712			X	X	X	X	X		X		X		X				X		X	X		X		X				
CCV	1.00	1718			X	X	X	X	X		X		X		X				X		X	X		X		X				
CCB	1.00	1723			X	X	X	X	X		X		X		X				X		X	X		X		X				

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/20/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	2354		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	0000		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	0005		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	0011		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	0017		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	0022		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	0028		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	0033		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	0039		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	0045		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0050		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0056		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0102		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
775274	2.00	0107		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775280	2.00	0113		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775824	2.00	0118		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775290	2.00	0124		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	0130		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCB	1.00	0135		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
775301	2.00	0141		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775568	2.00	0147		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775578	2.00	0152		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775581	2.00	0158		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775583	2.00	0203		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776962	2.00	0209		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776971	1.00	0215		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776982	1.00	0220		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776975	2.00	0226		_	_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
776977	2.00	0232		_	_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	0237		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	0243		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
777162	2.00	0249		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/20/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
777163	2.00	0254			X	X		X	X		X		X		X				X		X	X		X		X	
777164	2.00	0300			X	X		X	X		X		X		X				X		X	X		X		X	
ZZZZZZ	5.00	0305																												
ZZZZZZ	5.00	0311																												
ZZZZZZ	5.00	0317																												
ZZZZZZ	5.00	0322																												
ZZZZZZ	5.00	0328																												
ICSA	1.00	0334			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	0339			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0345			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0350			X	X	X	X	X		X		X		X				X		X	X		X		X	

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STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

10/31/2006

Environ Corporation, Inc.
214 Carnegie Center, Suite 200
Princeton, NJ 08540

Attention: Mr. Bill Kraft

Laboratory Results
Job No. X967 - Sun Chemical SI

Dear Mr. Kraft:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 5, 2006.

Lab No.	Client ID	Analysis Required
775565	B402-SS01	PP Metals +Ba
775566	B402-SS02	PP Metals +Ba
775567	B302-SS01	PP Metals +Ba
775568	B302-SS02	PP Metals +Ba
775569	B1501-SS01	PP Metals +Ba
775570	B1501-SS02	PP Metals +Ba
775572	B1502-SS01	PP Metals +Ba
775573	B1502-SS02	PP Metals +Ba
775575	B605-SS01	PP Metals +Ba
775577	B603-SS01	PP Metals +Ba
775578	B603-SS02	PP Metals +Ba
775579	B606-SS01	PP Metals +Ba
775580	B606-SS01D	PP Metals +Ba
775581	B606-SS02	PP Metals +Ba
775582	B602-SS01	PP Metals +Ba

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Laboratory Results
Job No. X967 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
775583	B602-SS02	PP Metals +Ba
775584	B604-SS01	TCL VOA+10 TCL BN+15 PP Metals +Ba
775585	B604-SS02	TCL VOA+10 TCL BN+15 PP Metals +Ba
775586	B604-SS03	TCL VOA+10 TCL BN+15 PP Metals +Ba
775588	B1605-SS01	PP Metals +Ba pH
775589	B1605-SS02	PP Metals +Ba pH
775590	B1605-SS02D	PP Metals +Ba pH
775591	B1604-SS01	PP Metals +Ba pH
775592	B1604-SS02	PP Metals +Ba

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Laboratory Results
Job No. X967 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		pH
775593	B1603-SS01	PP Metals +Ba
		pH
775594	B1603-SS01D	PP Metals +Ba
		pH
775595	B1603-SS02	PP Metals +Ba
		pH
775596	B1607-SS01	PP Metals +Ba
		pH
775597	B1607-SS02	PP Metals +Ba
		pH
775598	BKD1-SS01	PP Metals +Ba
775599	BKD1-SS02	PP Metals +Ba
775600	BKD1-SS03	PP Metals +Ba
775601	BKD1-SS03D	PP Metals +Ba
775602	BKD1-SS04	PP Metals +Ba
775603	B1601-SS01	PP Metals +Ba

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Laboratory Results
Job No. X967 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		pH
775604	B1601-SS02	PP Metals +Ba
		pH
775605	B203-SS01	TCL BN+15
		PP Metals +Ba
775606	B203-SS02	TCL BN+15
		PP Metals +Ba
775608	B1606-SS01	PP Metals +Ba
		pH
775609	B1606-SS02	PP Metals +Ba

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Laboratory Results
Job No. X967 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
		pH

If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael Urban
Laboratory Manager

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Analytical Results Summary

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57517.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.2 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	590
Bromomethane	ND	590
Vinyl Chloride	ND	590
Chloroethane	ND	590
Methylene Chloride	ND	360
Acetone	ND	590
Carbon Disulfide	ND	590
1,1-Dichloroethene	ND	240
1,1-Dichloroethane	ND	590
trans-1,2-Dichloroethene	ND	590
cis-1,2-Dichloroethene	ND	590
Chloroform	ND	590
1,2-Dichloroethane	ND	240
2-Butanone	ND	590
1,1,1-Trichloroethane	ND	590
Carbon Tetrachloride	ND	240
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	590
Trichloroethene	ND	120
Dibromochloromethane	ND	590
1,1,2-Trichloroethane	ND	360
Benzene	ND	120
trans-1,3-Dichloropropene	ND	590
Bromoform	ND	470
4-Methyl-2-Pentanone	ND	590
2-Hexanone	ND	590
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	590
Chlorobenzene	ND	590
Ethylbenzene	ND	470
Styrene	ND	590
Xylene (Total)	ND	590

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57517.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.2 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 18.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H20 Cycloalkane	13.40	4200	
2.	C11H24 Alkane	13.59	6800	
3.	Unknown	13.78	2100	
4.	Unknown Alkane	13.90	10000	
5.	Unknown Hydrocarbon	14.28	2700	
6.	Decahydronaphthalene isomer	14.46	10000	
7.	C11H22 Cycloalkane	14.63	7200	
8.	Decahydromethylnaphthalene isomer	15.05	8600	
9.	Decahydromethylnaphthalene isomer	15.27	7100	
10.	Unknown Aromatic	16.45	3600	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	62300

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57518.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.8 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 20

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	530
Bromomethane	ND	530
Vinyl Chloride	ND	530
Chloroethane	ND	530
Methylene Chloride	ND	320
Acetone	ND	530
Carbon Disulfide	ND	530
1,1-Dichloroethene	ND	210
1,1-Dichloroethane	ND	530
trans-1,2-Dichloroethene	ND	530
cis-1,2-Dichloroethene	ND	530
Chloroform	ND	530
1,2-Dichloroethane	ND	210
2-Butanone	ND	530
1,1,1-Trichloroethane	ND	530
Carbon Tetrachloride	ND	210
Bromodichloromethane	ND	110
1,2-Dichloropropane	ND	110
cis-1,3-Dichloropropene	ND	530
Trichloroethene	ND	110
Dibromochloromethane	ND	530
1,1,2-Trichloroethane	ND	320
Benzene	ND	110
trans-1,3-Dichloropropene	ND	530
Bromoform	ND	430
4-Methyl-2-Pentanone	ND	530
2-Hexanone	ND	530
Tetrachloroethene	ND	110
1,1,2,2-Tetrachloroethane	ND	110
Toluene	ND	530
Chlorobenzene	ND	530
Ethylbenzene	ND	430
Styrene	ND	530
Xylene (Total)	ND	530

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57518.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.8 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H20 Cycloalkane	13.40	2500	
2.	C11H24 Alkane	13.60	4800	
3.	Unknown Alkane	13.90	2500	
4.	C10H20 Cycloalkane	13.95	2900	
5.	Decahydronaphthalene isomer	14.47	3700	
6.	C11H22 Cycloalkane	14.64	3900	
7.	Decahydromethylnaphthalene isomer	15.06	3800	
8.	Decahydromethylnaphthalene isomer	15.26	2400	
9.	Unknown Alkane	15.49	3400	
10.	Unknown Aromatic	16.46	2000	
11.				
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TOTAL ESTIMATED CONCENTRATION	31900

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57519.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	580
Bromomethane	ND	580
Vinyl Chloride	ND	580
Chloroethane	ND	580
Methylene Chloride	ND	350
Acetone	ND	580
Carbon Disulfide	ND	580
1,1-Dichloroethene	ND	230
1,1-Dichloroethane	ND	580
trans-1,2-Dichloroethene	ND	580
cis-1,2-Dichloroethene	ND	580
Chloroform	ND	580
1,2-Dichloroethane	ND	230
2-Butanone	ND	580
1,1,1-Trichloroethane	ND	580
Carbon Tetrachloride	ND	230
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	580
Trichloroethene	ND	120
Dibromochloromethane	ND	580
1,1,2-Trichloroethane	ND	350
Benzene	ND	120
trans-1,3-Dichloropropene	ND	580
Bromoform	ND	460
4-Methyl-2-Pentanone	ND	580
2-Hexanone	ND	580
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	580
Chlorobenzene	ND	580
Ethylbenzene	ND	460
Styrene	ND	580
Xylene (Total)	ND	580

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57519.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	12.71	1600	
2.	C10H20 Cycloalkane	13.37	2100	
3.	C11H24 Alkane	13.60	4600	
4.	C10H20 Cycloalkane	13.96	2400	
5.	Decahydronaphthalene isomer	14.46	4500	
6.	C11H22 Cycloalkane	14.64	4900	
7.	Decahydromethylnaphthalene isomer	15.04	4200	
8.	Decahydromethylnaphthalene isomer	15.27	3900	
9.	Decahydrodimethylnaphthalene isomer	15.79	1600	
10.	Decahydrodimethylnaphthalene isomer	16.44	2000	
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TOTAL ESTIMATED CONCENTRATION	31800

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4920.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	41
1,3-Dichlorobenzene	ND	410
1,4-Dichlorobenzene	ND	410
1,2-Dichlorobenzene	ND	410
bis(2-chloroisopropyl)ether	ND	410
N-Nitroso-di-n-propylamine	ND	41
Hexachloroethane	ND	41
Nitrobenzene	ND	41
Isophorone	ND	410
bis(2-Chloroethoxy)methane	ND	410
1,2,4-Trichlorobenzene	ND	41
Naphthalene	ND	410
4-Chloroaniline	ND	410
Hexachlorobutadiene	ND	81
2-Methylnaphthalene	ND	410
Hexachlorocyclopentadiene	ND	410
2-Chloronaphthalene	ND	410
2-Nitroaniline	ND	810
Dimethylphthalate	ND	410
Acenaphthylene	ND	410
2,6-Dinitrotoluene	ND	81
3-Nitroaniline	ND	810
Acenaphthene	ND	410
Dibenzofuran	ND	410
2,4-Dinitrotoluene	ND	81
Diethylphthalate	ND	410
4-Chlorophenyl-phenylether	ND	410
Fluorene	ND	410
4-Nitroaniline	ND	810
N-Nitrosodiphenylamine	ND	410
4-Bromophenyl-phenylether	ND	410
Hexachlorobenzene	ND	41
Phenanthrene	ND	410
Anthracene	ND	410

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4920.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	410
Di-n-butylphthalate	ND	410
Fluoranthene	ND	410
Pyrene	ND	410
Butylbenzylphthalate	ND	410
3,3'-Dichlorobenzidine	ND	810
Benzo(a)anthracene	ND	41
Chrysene	ND	410
bis(2-Ethylhexyl)phthalate	840	410
Di-n-octylphthalate	ND	410
Benzo(b)fluoranthene	ND	41
Benzo(k)fluoranthene	ND	41
Benzo(a)pyrene	ND	41
Indeno(1,2,3-cd)pyrene	ND	41
Dibenz(a,h)anthracene	ND	41
Benzo(g,h,i)perylene	ND	410

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4920.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	7.18	1100	
2. Unknown	8.02	810	
3. Unknown	8.52	890	
4. Unknown Alkane	8.63	1500	
5. Unknown	8.85	840	
6. Unknown Cycloalkane	8.95	1200	
7. Unknown Alkane	9.15	2800	
8. Unknown Alkane	9.48	1100	
9. Unknown Alkane	9.53	920	
10. Unknown Cycloalkane	9.83	850	
11. Unknown Alkane	10.01	2000	
12. Unknown Alkane	10.22	660	
13. Unknown Alkane/Unknown	10.67	2800	
14. Unknown	10.93	710	
15. Unknown	11.43	690	
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TOTAL ESTIMATED CONCENTRATION	18870

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4921.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 20

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	41
1,3-Dichlorobenzene	ND	410
1,4-Dichlorobenzene	ND	410
1,2-Dichlorobenzene	ND	410
bis(2-chloroisopropyl)ether	ND	410
N-Nitroso-di-n-propylamine	ND	41
Hexachloroethane	ND	41
Nitrobenzene	ND	41
Isophorone	ND	410
bis(2-Chloroethoxy)methane	ND	410
1,2,4-Trichlorobenzene	ND	41
Naphthalene	ND	410
4-Chloroaniline	ND	410
Hexachlorobutadiene	ND	83
2-Methylnaphthalene	ND	410
Hexachlorocyclopentadiene	ND	410
2-Chloronaphthalene	ND	410
2-Nitroaniline	ND	830
Dimethylphthalate	ND	410
Acenaphthylene	ND	410
2,6-Dinitrotoluene	ND	83
3-Nitroaniline	ND	830
Acenaphthene	ND	410
Dibenzofuran	ND	410
2,4-Dinitrotoluene	ND	83
Diethylphthalate	ND	410
4-Chlorophenyl-phenylether	ND	410
Fluorene	ND	410
4-Nitroaniline	ND	830
N-Nitrosodiphenylamine	ND	410
4-Bromophenyl-phenylether	ND	410
Hexachlorobenzene	ND	41
Phenanthrene	ND	410
Anthracene	ND	410

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4921.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 20

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	410
Di-n-butylphthalate	ND	410
Fluoranthene	ND	410
Pyrene	ND	410
Butylbenzylphthalate	ND	410
3,3'-Dichlorobenzidine	ND	830
Benzo(a)anthracene	ND	41
Chrysene	ND	410
bis(2-Ethylhexyl)phthalate	1900	410
Di-n-octylphthalate	ND	410
Benzo(b)fluoranthene	ND	41
Benzo(k)fluoranthene	ND	41
Benzo(a)pyrene	ND	41
Indeno(1,2,3-cd)pyrene	ND	41
Dibenz(a,h)anthracene	ND	41
Benzo(g,h,i)perylene	ND	410

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4921.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	7.18	940	
2. Decahydromethylnaphthalene isomer	7.85	820	
3. Unknown Alkane	8.10	760	
4. Unknown Alkane	8.25	990	
5. Unknown	8.52	910	
6. Unknown Alkane	8.64	1600	
7. Unknown Cycloalkane	8.95	1400	
8. Unknown Alkane	9.15	2600	
9. Unknown Alkane	9.54	820	
10. Unknown Alkane	10.01	1800	
11. Unknown Alkane	10.22	540	
12. Unknown Alkane	10.67	2600	
13. Unknown	10.93	550	
14. Unknown	11.43	650	
15. Unknown Alkane	12.38	530	
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TOTAL ESTIMATED CONCENTRATION 17510

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4922.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	41
1,3-Dichlorobenzene	ND	410
1,4-Dichlorobenzene	ND	410
1,2-Dichlorobenzene	ND	410
bis(2-chloroisopropyl)ether	ND	410
N-Nitroso-di-n-propylamine	ND	41
Hexachloroethane	ND	41
Nitrobenzene	ND	41
Isophorone	ND	410
bis(2-Chloroethoxy)methane	ND	410
1,2,4-Trichlorobenzene	ND	41
Naphthalene	ND	410
4-Chloroaniline	ND	410
Hexachlorobutadiene	ND	83
2-Methylnaphthalene	ND	410
Hexachlorocyclopentadiene	ND	410
2-Chloronaphthalene	ND	410
2-Nitroaniline	ND	830
Dimethylphthalate	ND	410
Acenaphthylene	ND	410
2,6-Dinitrotoluene	ND	83
3-Nitroaniline	ND	830
Acenaphthene	ND	410
Dibenzofuran	ND	410
2,4-Dinitrotoluene	ND	83
Diethylphthalate	ND	410
4-Chlorophenyl-phenylether	ND	410
Fluorene	ND	410
4-Nitroaniline	ND	830
N-Nitrosodiphenylamine	ND	410
4-Bromophenyl-phenylether	ND	410
Hexachlorobenzene	ND	41
Phenanthrene	ND	410
Anthracene	ND	410

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4922.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	410
Di-n-butylphthalate	ND	410
Fluoranthene	ND	410
Pyrene	ND	410
Butylbenzylphthalate	ND	410
3,3'-Dichlorobenzidine	ND	830
Benzo(a)anthracene	ND	41
Chrysene	ND	410
bis(2-Ethylhexyl)phthalate	580	410
Di-n-octylphthalate	ND	410
Benzo(b)fluoranthene	ND	41
Benzo(k)fluoranthene	ND	41
Benzo(a)pyrene	ND	41
Indeno(1,2,3-cd)pyrene	ND	41
Dibenz(a,h)anthracene	ND	41
Benzo(g,h,i)perylene	ND	410

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4922.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	7.85	450	
2. Decahydromethylnaphthalene isomer	8.02	460	
3. Unknown	8.51	530	
4. Unknown Alkane	8.63	830	
5. Unknown	8.85	430	
6. Unknown	8.93	470	
7. Unknown Alkane	9.15	1500	
8. Unknown	9.35	370	
9. Unknown	9.47	460	
10. Unknown Alkane	9.53	460	
11. Unknown Alkane	10.01	1000	
12. Unknown Alkane	10.22	630	
13. Unknown Alkane	10.66	1200	
14. Unknown	10.93	390	
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TOTAL ESTIMATED CONCENTRATION 9180

Client ID: **B203-SS01**
Site: Sun Chemical SI

Lab Sample No: **775605**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4953.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	190
1,3-Dichlorobenzene	ND	1900
1,4-Dichlorobenzene	ND	1900
1,2-Dichlorobenzene	ND	1900
bis(2-chloroisopropyl)ether	ND	1900
N-Nitroso-di-n-propylamine	ND	190
Hexachloroethane	ND	190
Nitrobenzene	360	190
Isophorone	ND	1900
bis(2-Chloroethoxy)methane	ND	1900
1,2,4-Trichlorobenzene	ND	190
Naphthalene	300 J	1900
4-Chloroaniline	ND	1900
Hexachlorobutadiene	ND	380
2-Methylnaphthalene	120 J	1900
Hexachlorocyclopentadiene	ND	1900
2-Chloronaphthalene	ND	1900
2-Nitroaniline	ND	3800
Dimethylphthalate	ND	1900
Acenaphthylene	150 J	1900
2,6-Dinitrotoluene	ND	380
3-Nitroaniline	ND	3800
Acenaphthene	430 J	1900
Dibenzofuran	170 J	1900
2,4-Dinitrotoluene	ND	380
Diethylphthalate	ND	1900
4-Chlorophenyl-phenylether	ND	1900
Fluorene	420 J	1900
4-Nitroaniline	740 J	3800
N-Nitrosodiphenylamine	ND	1900
4-Bromophenyl-phenylether	ND	1900
Hexachlorobenzene	ND	190
Phenanthrene	6500	1900
Anthracene	1700 J	1900

Client ID: **B203-SS01**
Site: Sun Chemical SI

Lab Sample No: **775605**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4953.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	230 J	1900
Di-n-butylphthalate	ND	1900
Fluoranthene	8100	1900
Pyrene	12000	1900
Butylbenzylphthalate	ND	1900
3,3'-Dichlorobenzidine	ND	3800
Benzo(a)anthracene	4300	190
Chrysene	4700	1900
bis(2-Ethylhexyl)phthalate	ND	1900
Di-n-octylphthalate	ND	1900
Benzo(b)fluoranthene	4200	190
Benzo(k)fluoranthene	4800	190
Benzo(a)pyrene	4300	190
Indeno(1,2,3-cd)pyrene	1200	190
Dibenz(a,h)anthracene	ND	190
Benzo(g,h,i)perylene	1000 J	1900

Client ID: **B203-SS01**
Site: Sun Chemical SI

Lab Sample No: **775605**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4953.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 13.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	2-Naphthalenol	11.30	2300	
2.	C15H12 PAH	14.01	1900	
3.	C15H10/C15H12 PAHs	14.15	2700	
4.	C15H12 PAH	14.17	1600	
5.	C17H12 PAH	15.83	2200	
6.	Unknown	16.83	2500	
7.	Unknown	18.17	8800	
8.	C20H12 PAH	19.95	2400	
9.	2-Naphthalenol, 1-[(4-nitrophenyl)azo]	21.42	14000	
10.	Unknown	23.30	2800	
11.	Unknown	25.47	4000	
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TOTAL ESTIMATED CONCENTRATION 45200

Client ID: **B203-SS02**
Site: Sun Chemical SI

Lab Sample No: **775606**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4944.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	76
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	760
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	76
3-Nitroaniline	ND	760
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	760
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	25 J	380
Anthracene	ND	380

Client ID: **B203-SS02**
Site: Sun Chemical SI

Lab Sample No: **775606**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4944.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	760
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B203-SS02**
Site: Sun Chemical SI

Lab Sample No: **775606**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4944.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B402-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775565
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.1	1.1	BN	P
Arsenic	559	1.0		P
Barium	175	0.30	N	P
Beryllium	0.33	0.023	B	P
Cadmium	0.20	0.11	B	P
Chromium	265	0.64	N	P
Copper	164	0.71	N	P
Lead	681	0.50		P
Mercury	0.08	0.019		CV
Nickel	96.0	0.89	N	P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	49.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B402-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775566
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 14.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	97.5	1.1		P
Barium	87.3	0.31	N	P
Beryllium	0.32	0.023	B	P
Cadmium	0.29	0.12	B	P
Chromium	67.5	0.66	N	P
Copper	45.7	0.73	N	P
Lead	28.9	0.52		P
Mercury	ND	0.020		CV
Nickel	124	0.92	N	P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	34.3	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B302-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775567
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 17.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	14.4	1.2	N	P
Arsenic	188	1.1		P
Barium	584	0.32	N	P
Beryllium	0.12	0.024	B	P
Cadmium	1.3	0.12		P
Chromium	146	0.68	N	P
Copper	165	0.75	N	P
Lead	1420	0.53		P
Mercury	0.51	0.020		CV
Nickel	33.5	0.95	N	P
Selenium	6.1	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	75.1	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B302-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775568
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	17.1	0.71		P
Barium	82.9	0.38		P
Beryllium	0.36	0.067	B	P
Cadmium	ND	0.089		P
Chromium	93.5	0.36	N	P
Copper	40.6	0.82	N	P
Lead	11.5	0.60	N	P
Mercury	ND	0.019		CV
Nickel	119	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	37.2	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1501-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775569
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	4.3	1.1	N	P
Arsenic	7.3	1.0		P
Barium	191	0.29	N	P
Beryllium	0.47	0.023		P
Cadmium	0.43	0.11	B	P
Chromium	97.5	0.63	N	P
Copper	67.3	0.70	N	P
Lead	1430	0.50		P
Mercury	0.23	0.019		CV
Nickel	79.4	0.88	N	P
Selenium	1.1	1.1	B	P
Silver	0.33	0.27	B	P
Thallium	ND	1.1		P
Zinc	94.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1501-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775570
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.4	1.0		P
Barium	60.7	0.30	N	P
Beryllium	0.74	0.023		P
Cadmium	0.24	0.11	B	P
Chromium	56.4	0.64	N	P
Copper	31.2	0.71	N	P
Lead	11.0	0.50		P
Mercury	ND	0.019		CV
Nickel	175	0.89	N	P
Selenium	1.8	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	61.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1502-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775572
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.1	1.0		P
Barium	42.2	0.29	BN	P
Beryllium	0.46	0.022		P
Cadmium	0.16	0.11	B	P
Chromium	29.7	0.63	N	P
Copper	19.2	0.70	N	P
Lead	51.5	0.49		P
Mercury	0.07	0.019		CV
Nickel	66.7	0.87	N	P
Selenium	1.1	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	40.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1502-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775573
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	6.2	1.0		P
Barium	123	0.30	N	P
Beryllium	0.76	0.023		P
Cadmium	0.35	0.12	B	P
Chromium	34.9	0.65	N	P
Copper	29.6	0.71	N	P
Lead	9.4	0.51		P
Mercury	ND	0.019		CV
Nickel	124	0.90	N	P
Selenium	1.5	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	45.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B605-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775575
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.4	1.0		P
Barium	31.9	0.30	BN	P
Beryllium	0.48	0.023		P
Cadmium	0.28	0.12	B	P
Chromium	27.6	0.65	N	P
Copper	31.2	0.72	N	P
Lead	18.8	0.51		P
Mercury	0.05	0.019		CV
Nickel	54.0	0.90	N	P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	30.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B603-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775577
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	1.4	1.0		P
Barium	1800	0.29	N	P
Beryllium	0.16	0.023	B	P
Cadmium	0.60	0.11	B	P
Chromium	15.3	0.63	N	P
Copper	34.6	0.70	N	P
Lead	191	0.50		P
Mercury	0.06	0.019		CV
Nickel	10.5	0.88	N	P
Selenium	1.8	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	38.7	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B603-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775578
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	4.8	0.75		P
Barium	85.0	0.40		P
Beryllium	0.77	0.071		P
Cadmium	ND	0.094		P
Chromium	51.0	0.38	N	P
Copper	43.7	0.87	N	P
Lead	10.8	0.64	N	P
Mercury	ND	0.020		CV
Nickel	106	0.57		P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	41.5	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B606-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775579
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.1	1.2	BN	P
Arsenic	34.8	1.1		P
Barium	1940	0.31	N	P
Beryllium	0.40	0.024	B	P
Cadmium	0.55	0.12	B	P
Chromium	75.4	0.67	N	P
Copper	75.9	0.74	N	P
Lead	230	0.52		P
Mercury	8.9	0.20		CV
Nickel	146	0.93	N	P
Selenium	1.8	1.1		P
Silver	ND	0.29		P
Thallium	ND	1.1		P
Zinc	68.6	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B606-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775580
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.4	1.2	BN	P
Arsenic	18.3	1.1		P
Barium	985	0.31	N	P
Beryllium	0.40	0.024	B	P
Cadmium	0.50	0.12	B	P
Chromium	53.8	0.67	N	P
Copper	69.5	0.74	N	P
Lead	175	0.53		P
Mercury	2.8	0.060		CV
Nickel	163	0.94	N	P
Selenium	ND	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	69.7	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B606-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775581
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	3.3	0.76		P
Barium	75.7	0.40		P
Beryllium	0.83	0.071		P
Cadmium	ND	0.095		P
Chromium	52.4	0.38	N	P
Copper	27.8	0.88	N	P
Lead	9.5	0.64	N	P
Mercury	ND	0.12		CV
Nickel	247	0.57		P
Selenium	1.1	1.00	B	P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	65.2	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B602-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775582
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.1	1.0		P
Barium	1420	0.30	N	P
Beryllium	0.51	0.023		P
Cadmium	5.8	0.11		P
Chromium	545	0.64	N	P
Copper	28.1	0.71	N	P
Lead	1490	0.50		P
Mercury	0.11	0.019		CV
Nickel	94.9	0.89	N	P
Selenium	1.1	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	240	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B602-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775583
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	3.5	0.74		P
Barium	241	0.39		P
Beryllium	0.56	0.069		P
Cadmium	ND	0.092		P
Chromium	73.5	0.37	N	P
Copper	22.6	0.85	N	P
Lead	185	0.62	N	P
Mercury	0.20	0.019		CV
Nickel	108	0.55		P
Selenium	ND	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	81.8	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B604-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775584
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 18.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	3.8	1.1		P
Barium	54.2	0.32	N	P
Beryllium	0.31	0.024	B	P
Cadmium	0.13	0.12	B	P
Chromium	25.7	0.68	N	P
Copper	13.0	0.76	N	P
Lead	9.5	0.54		P
Mercury	0.02	0.020	B	CV
Nickel	41.6	0.95	N	P
Selenium	ND	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	34.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B604-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775585
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 19.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	4.5	1.1		P
Barium	52.9	0.32	N	P
Beryllium	0.35	0.025	B	P
Cadmium	0.17	0.12	B	P
Chromium	25.6	0.70	N	P
Copper	13.1	0.77	N	P
Lead	11.3	0.55		P
Mercury	0.04	0.018		CV
Nickel	43.4	0.97	N	P
Selenium	1.4	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	34.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B604-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775586
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 19.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	5.2	1.1		P
Barium	63.0	0.32	N	P
Beryllium	0.69	0.025		P
Cadmium	0.56	0.12	B	P
Chromium	47.1	0.69	N	P
Copper	30.8	0.77	N	P
Lead	11.9	0.55		P
Mercury	0.05	0.021		CV
Nickel	122	0.97	N	P
Selenium	1.4	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	44.9	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1605-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775588
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	5.8	1.1		P
Barium	32.9	0.31	BN	P
Beryllium	0.67	0.024		P
Cadmium	13.5	0.12		P
Chromium	35.5	0.66	N	P
Copper	16.4	0.73	N	P
Lead	10.0	0.52		P
Mercury	ND	0.017		CV
Nickel	51.8	0.92	N	P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	41.9	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1605-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775589
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.1	1.0		P
Barium	33.2	0.30	BN	P
Beryllium	0.66	0.023		P
Cadmium	20.8	0.11		P
Chromium	34.6	0.64	N	P
Copper	17.6	0.71	N	P
Lead	8.0	0.50		P
Mercury	ND	0.016		CV
Nickel	113	0.89	N	P
Selenium	1.1	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	36.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1605-SS02D**
Site: **Sun Chemical SI**

Lab Sample No: 775590
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.7	1.0		P
Barium	58.3	0.30	N	P
Beryllium	0.64	0.023		P
Cadmium	18.9	0.12		P
Chromium	31.4	0.64	N	P
Copper	16.0	0.71	N	P
Lead	7.6	0.51		P
Mercury	ND	0.016		CV
Nickel	74.8	0.90	N	P
Selenium	1.3	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	34.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1604-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775591
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.6	1.00		P
Barium	71.3	0.29	N	P
Beryllium	0.57	0.022		P
Cadmium	0.21	0.11	B	P
Chromium	85.5	0.62	N	P
Copper	116	0.69	N	P
Lead	6.5	0.49		P
Mercury	ND	0.018		CV
Nickel	411	0.86	N	P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	43.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1604-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775592
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.9	0.99		P
Barium	61.9	0.29	N	P
Beryllium	0.46	0.022		P
Cadmium	0.30	0.11	B	P
Chromium	54.9	0.62	N	P
Copper	261	0.69	N	P
Lead	6.5	0.49		P
Mercury	ND	0.018		CV
Nickel	269	0.86	N	P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	32.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1603-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775593
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.6	0.72		P
Barium	262	0.38		P
Beryllium	0.58	0.068		P
Cadmium	ND	0.090		P
Chromium	29.9	0.36		P
Copper	28.8	0.84		P
Lead	10.5	0.61		P
Mercury	ND	0.019		CV
Nickel	113	0.54		P
Selenium	1.1	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	85.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1603-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775594
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.6	0.73		P
Barium	261	0.39		P
Beryllium	0.60	0.068		P
Cadmium	ND	0.091		P
Chromium	28.4	0.36		P
Copper	38.4	0.84		P
Lead	10.4	0.62		P
Mercury	ND	0.016		CV
Nickel	112	0.55		P
Selenium	ND	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	112	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1603-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775595
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 16.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	9.7	1.4	N	P
Arsenic	2.4	0.77		P
Barium	280	0.41		P
Beryllium	0.58	0.072		P
Cadmium	ND	0.096		P
Chromium	31.6	0.39		P
Copper	31.6	0.89		P
Lead	51.9	0.65		P
Mercury	ND	0.020		CV
Nickel	110	0.58		P
Selenium	1.1	1.0	B	P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	50.2	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1607-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775596
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.5	0.73		P
Barium	1610	0.39		P
Beryllium	0.45	0.069		P
Cadmium	ND	0.092		P
Chromium	30.5	0.37		P
Copper	37.4	0.85		P
Lead	20.7	0.62		P
Mercury	0.03	0.019	B	CV
Nickel	96.0	0.55		P
Selenium	1.4	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	81.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1607-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775597
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.8	0.73		P
Barium	3910	0.39		P
Beryllium	0.44	0.069	B	P
Cadmium	ND	0.092		P
Chromium	38.8	0.37		P
Copper	21.9	0.85		P
Lead	20.5	0.62		P
Mercury	0.02	0.019	B	CV
Nickel	102	0.55		P
Selenium	ND	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	75.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775598
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	5.7	0.75		P
Barium	56.4	0.40		P
Beryllium	0.52	0.071		P
Cadmium	ND	0.094		P
Chromium	41.7	0.38		P
Copper	34.5	0.87		P
Lead	124	0.64		P
Mercury	0.15	0.020		CV
Nickel	138	0.57		P
Selenium	1.4	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	87.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775599
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 14.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	5.2	0.75		P
Barium	51.3	0.40		P
Beryllium	0.53	0.070		P
Cadmium	ND	0.094		P
Chromium	31.1	0.38		P
Copper	30.0	0.87		P
Lead	64.6	0.63		P
Mercury	0.13	0.020		CV
Nickel	85.8	0.56		P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	64.0	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775600
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.1	0.71	B	P
Barium	28.9	0.38	B	P
Beryllium	0.47	0.067		P
Cadmium	ND	0.089		P
Chromium	24.9	0.36		P
Copper	19.3	0.82		P
Lead	6.6	0.60		P
Mercury	ND	0.019		CV
Nickel	83.4	0.53		P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	39.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS03D**
Site: **Sun Chemical SI**

Lab Sample No: 775601
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	0.76	0.71	B	P
Barium	27.7	0.38	B	P
Beryllium	0.45	0.067		P
Cadmium	ND	0.089		P
Chromium	23.8	0.35		P
Copper	16.5	0.82		P
Lead	6.4	0.60		P
Mercury	ND	0.018		CV
Nickel	67.5	0.53		P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	36.7	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS04**
Site: **Sun Chemical SI**

Lab Sample No: 775602
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	3.1	0.73		P
Barium	66.0	0.39		P
Beryllium	0.69	0.068		P
Cadmium	ND	0.091		P
Chromium	64.5	0.36		P
Copper	20.3	0.84		P
Lead	8.5	0.61		P
Mercury	ND	0.019		CV
Nickel	521	0.54		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	48.1	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1601-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775603
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.7	0.71		P
Barium	39.1	0.38	B	P
Beryllium	0.44	0.067		P
Cadmium	ND	0.089		P
Chromium	29.0	0.35		P
Copper	227	0.82		P
Lead	6.3	0.60		P
Mercury	ND	0.018		CV
Nickel	215	0.53		P
Selenium	0.90	0.93	B	P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	32.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1601-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775604
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	1.0	0.65	B	P
Barium	37.9	0.34	B	P
Beryllium	0.44	0.061		P
Cadmium	ND	0.081		P
Chromium	23.7	0.32		P
Copper	16.0	0.75		P
Lead	6.6	0.55		P
Mercury	ND	0.019		CV
Nickel	191	0.49		P
Selenium	ND	0.85		P
Silver	ND	0.28		P
Thallium	ND	0.95		P
Zinc	35.3	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B203-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775605
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	4.5	1.3	N	P
Arsenic	31.4	0.74		P
Barium	3780	0.39		P
Beryllium	0.43	0.069	B	P
Cadmium	3.7	0.092		P
Chromium	1060	0.37		P
Copper	154	0.85		P
Lead	10300	3.1		P
Mercury	1.6	0.019		CV
Nickel	57.7	0.55		P
Selenium	3.9	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	336	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B203-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775606
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.5	0.73		P
Barium	41.9	0.39	B	P
Beryllium	0.39	0.068	B	P
Cadmium	ND	0.091		P
Chromium	47.7	0.36		P
Copper	19.4	0.84		P
Lead	57.2	0.61		P
Mercury	0.07	0.019		CV
Nickel	157	0.54		P
Selenium	1.0	0.95	B	P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	34.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1606-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775608
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 18.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	8.9	1.4	N	P
Arsenic	13.4	0.78		P
Barium	598	0.42		P
Beryllium	0.58	0.074		P
Cadmium	1.2	0.098	B	P
Chromium	449	0.39		P
Copper	172	0.91		P
Lead	1300	0.66		P
Mercury	1.2	0.020		CV
Nickel	82.0	0.59		P
Selenium	2.0	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.2		P
Zinc	245	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1606-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775609
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	1.6	0.65		P
Barium	38.6	0.34	B	P
Beryllium	0.46	0.061		P
Cadmium	ND	0.081		P
Chromium	34.0	0.32		P
Copper	18.8	0.75		P
Lead	16.2	0.55		P
Mercury	ND	0.019		CV
Nickel	190	0.49		P
Selenium	1.0	0.85	B	P
Silver	ND	0.28		P
Thallium	ND	0.95		P
Zinc	35.6	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Site: Sun Chemical SI
Lab Job No: X967
Matrix: SOIL
QA Batch: 2354

pH

STL Edison Sample #	Client ID	Date Sampled	Date Analyzed	Analytical Result Units: std units
775588	B1605-SS01	10/05/06	10/09/06	4.68
775589	B1605-SS02	10/05/06	10/09/06	4.91
775590	B1605-SS02D	10/05/06	10/09/06	4.94
775591	B1604-SS01	10/05/06	10/09/06	5.56
775592	B1604-SS02	10/05/06	10/09/06	5.61
775593	B1603-SS01	10/05/06	10/09/06	8.52
775594	B1603-SS01D	10/05/06	10/09/06	8.48
775595	B1603-SS02	10/05/06	10/09/06	8.03
775596	B1607-SS01	10/05/06	10/09/06	8.73
775597	B1607-SS02	10/05/06	10/09/06	8.72
775603	B1601-SS01	10/05/06	10/09/06	8.36
775604	B1601-SS02	10/05/06	10/09/06	8.71
775608	B1606-SS01	10/05/06	10/09/06	7.32
775609	B1606-SS02	10/05/06	10/09/06	8.16

General Information

Chain of Custody

CHAIN OF CUSTODY / ANALYSIS REQUEST

x: (732) 549-3679

PAGE 1 OF 5

PAGE 2 OF 5

Sampler's Name (Printed): Trevor Tompkins / Megan Utley

Site/Project Identification: Sun Chemical : Statch Island

P.O. #: 21-16443A

State (Location of Site): NJ: ☐ NY: ☒ Other:

Regulatory Program:

Center

State: NJ Zip: 08540

Fax: (609) 452-0284

Analysis Turnaround Time
Standard ☐
Rush Charges Authorized For:
1 Week ☐
3 Day ☒
Other ☐ _____

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

ication	Date	Time	Matrix	No. of Cont.	PP Metals		LAB USE ONLY Project No. / Job No. X967 Sample Numbers	LAB USE ONLY Project No. / Job No. X967 Sample Numbers
	10/5/06	0804	Soil	1	X		775565	775575
		0806		1	X		566	576
		0815		1	X		567	577
		0817		1	X	(HOLD)	568	578
		0826		1	X		569	579
2		0828		1	X		570	580
3		0830		1	X	(HOLD)	571	581
1		0851		1	X		572	582
2		0852		1	X		573	583
3		0854		1	X	(HOLD)	574	584
			Soil:	1				
			Water:					

E, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH

her _____, 7 = Other _____

Cooler Temp: 5°

Water Metals Filtered (Yes/No)? _____

Company	Date/Time	Received by	Company
ENVIRON	10/5/06 1630		

New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL-6003

X967

STL Edison

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X967

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): T. Tompkins / M. Utley	Site/Project Identification: Sun Chemical : Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☐ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	LAB USE ONLY: Project No. / Job No. X967
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals	VOCs	SVOCs	pH	Sample Numbers
B604-SS02	10/5/06	1101	Soil	4	X	X	X		775585
B604-SS03		1103		4	X	X	X		586
B604-SS04		1107		1	X	X	X	(HOLD)	587
B1605-SS01		1221		1	X			X	588
B1605-SS02		1222		1	X			X	589
B1605-SS02D		1222		1	X			X	590
B1604-SS01		1235		1	X			X	591
B1604-SS02		1236		1	X			X	592
B1603-SS01		1327		1	X			X	593
B1603-SS01D		1327		1	X			X	594
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1	1	1	
6 = Other _____, 7 = Other _____ — Water:									

Special Instructions _____ Cooler Temp: 5° Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	10/5/06 1630		
2.				
3.				
4.				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

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X967

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): T. Tompkins / M. Utley	Site/Project Identification: Sun Chemical : Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ ☐ NY ☐ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals	pH	LAB USE ONLY Sample Numbers
B1603-SS02	10/5/06	1330	Soil	1	X	X	595
B1607-SS01		1405		1	X	X	596
B1607-SS02		1406		1	X	X	597
BKD1-SS01		1441		1	X		598
BKD1-SS02		1444		1	X		599
BKD1-SS03		1446		1	X		600
BKD1-SS03D		1446		1	X		601
BKD1-SS04		1450		1	X		602
B1601-SS01		1511		1	X	X	603
B1601-SS02		1513		1	X	X	604
				Soil:	1	1	
				Water:			

Project No.: X967

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____

Special Instructions _____ Cooler Temp: 5° Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1.	ENVIRON	10/5/06 1636		
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

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X967

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): T. Tompkins / M Utley	Site/Project Identification: Sun Chemical: Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609)452-9000 Fax: (609)452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	AP Metals	BNs	pH	LAB USE ONLY Sample Numbers
B203-SS01	10/5/06	1523	Soil	1	X	X		775605
B203-SS02		1524		1	X	X		606
B203-SS03		1525		1	X	X	(HOLD)	607
B1606-SS01		1529		1	X		X	608
B1606-SS02	↓	1530	↓	1	X		X	609

LAB USE ONLY: Project No. ____ Job No. X967

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____

	AP Metals	BNs	pH											
Soil:	1	1	1											
Water:														

Special Instructions _____ Cooler Temp: 5° Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1. Scott A. Tofte	ENVIRON	10/5/06 1630		
2.				
3.				
4.				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

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STL Edison

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Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X967 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

VOAMS

SOLID - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
775584	10/5/2006	10/5/2006			10/7/2006	Martinez, Eddie	0946
775585	10/5/2006	10/5/2006			10/7/2006	Martinez, Eddie	0946
775586	10/5/2006	10/5/2006			10/7/2006	Martinez, Eddie	0946
775587	10/5/2006	10/5/2006					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X967 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
775584	10/5/2006	10/5/2006	10/6/2006	Sheth, Chintan	10/9/2006	Shalayda, Monica	4674
775585	10/5/2006	10/5/2006	10/6/2006	Sheth, Chintan	10/9/2006	Shalayda, Monica	4674
775586	10/5/2006	10/5/2006	10/6/2006	Sheth, Chintan	10/9/2006	Shalayda, Monica	4674
775605	10/5/2006	10/5/2006	10/6/2006	Sheth, Chintan	10/9/2006	Shalayda, Monica	4674
775606	10/5/2006	10/5/2006	10/6/2006	Sheth, Chintan	10/9/2006	Shalayda, Monica	4674

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775565	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775566	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775567	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775568	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775569	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775570	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775571	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775572	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
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08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775573	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775574	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775575	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775576	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775577	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775578	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775579	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775580	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775581	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775582	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775583	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Sheikh, Razia	10/18/2006	Sheikh, Razia	21515
ANTIMONY	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ARSENIC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BARIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
BERYLLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CADMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
CHROMIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
COPPER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
LEAD	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
NICKEL	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SELENIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
SILVER	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
THALLIUM	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515
ZINC	10/18/2006	Sanagavarapu, Suguna	10/19/2006	Chang, Churnder	21515

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775584	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775585	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775586	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775587	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775588	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775589	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775590	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
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STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775591	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775592	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/9/2006	Sheikh, Razia	10/9/2006	Sheikh, Razia	21446
ANTIMONY	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ARSENIC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BARIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
BERYLLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CADMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
CHROMIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
COPPER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
LEAD	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
NICKEL	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SELENIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
SILVER	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
THALLIUM	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446
ZINC	10/9/2006	Sanagavarapu, Suguna	10/10/2006	Maguire, Christopher	21446

INTERNAL CUSTODY RECORD
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LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775593	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
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STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775594	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
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STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775595	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
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STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775596	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
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STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775597	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
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STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775598	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775599	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775600	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

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777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775601	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775602	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775603	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775604	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775605	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775606	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775607	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No:	X967	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/5/2006
Sample No.:	775608	**Date Received:**	10/5/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X967 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/5/2006

Sample No.: 775609 **Date Received:** 10/5/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21452
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
COPPER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
LEAD	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
SILVER	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452
ZINC	10/10/2006	Sanagavarapu, Suguna	10/10/2006	Chang, Churnder	21452

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: X967 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

WET CHEM

pH

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
SOLID							
775588	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775589	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775590	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775591	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775592	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775593	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775594	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775595	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775596	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775597	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775603	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775604	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775608	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354
775609	10/5/2006	10/05/2006			10/9/2006	Perez, Rafael	2354

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND/U - The compound was not detected at the indicated concentration.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: X967

Client: Environ Corporation, Inc.

Date: 10/31/2006

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

All data conforms with method requirements.

Base/Neutral and/or Acid Extractable Organics (GC/MS):

Sample # 775605: IS- Perylene-d12 internal standard area is <50% of the most recent continuing calibration standard area. The sample extract was reanalyzed confirming matrix interference.

QA batch # 4674: MS % recoveries of N-Nitroso-di-n-propylamine and 1,2,4-Trichlorobenzene are biased high.

Metals:

QA Batch 21515: Antimony, chromium, copper, lead and zinc Matrix Spike recoveries are outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

QA batch 21446: Antimony, chromium, copper and nickel Matrix Spike recoveries are outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

QA batch 21452: Antimony Matrix Spike recovery is outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

Wet Chemistry \ Microbiology:

All data conforms with method requirements.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57517.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.2 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	590
Bromomethane	ND	590
Vinyl Chloride	ND	590
Chloroethane	ND	590
Methylene Chloride	ND	360
Acetone	ND	590
Carbon Disulfide	ND	590
1,1-Dichloroethene	ND	240
1,1-Dichloroethane	ND	590
trans-1,2-Dichloroethene	ND	590
cis-1,2-Dichloroethene	ND	590
Chloroform	ND	590
1,2-Dichloroethane	ND	240
2-Butanone	ND	590
1,1,1-Trichloroethane	ND	590
Carbon Tetrachloride	ND	240
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	590
Trichloroethene	ND	120
Dibromochloromethane	ND	590
1,1,2-Trichloroethane	ND	360
Benzene	ND	120
trans-1,3-Dichloropropene	ND	590
Bromoform	ND	470
4-Methyl-2-Pentanone	ND	590
2-Hexanone	ND	590
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	590
Chlorobenzene	ND	590
Ethylbenzene	ND	470
Styrene	ND	590
Xylene (Total)	ND	590

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57517.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.2 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 18.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H20 Cycloalkane	13.40	4200	
2.	C11H24 Alkane	13.59	6800	
3.	Unknown	13.78	2100	
4.	Unknown Alkane	13.90	10000	
5.	Unknown Hydrocarbon	14.28	2700	
6.	Decahydronaphthalene isomer	14.46	10000	
7.	C11H22 Cycloalkane	14.63	7200	
8.	Decahydromethylnaphthalene isomer	15.05	8600	
9.	Decahydromethylnaphthalene isomer	15.27	7100	
10.	Unknown Aromatic	16.45	3600	
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TOTAL ESTIMATED CONCENTRATION	62300

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d
Report Date: 11-Oct-2006 12:12

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d
Lab Smp Id: 775584 Client Smp ID: B604-SS01
Inj Date : 07-OCT-2006 05:45
Operator : VOAMS 4 Inst ID: VOAMS9.i
Smp Info : 775584;50;;5.16;10
Misc Info : X967;0946;;EM AT.
Comment :
Method : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/8260H_05.m
Meth Date : 07-Oct-2006 00:53 eddie Quant Type: ISTD
Cal Date : 21-SEP-2006 05:23 Cal File: k57009.d
Als bottle: 13
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.16000	Weight of sample extracted (g)
M	18.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

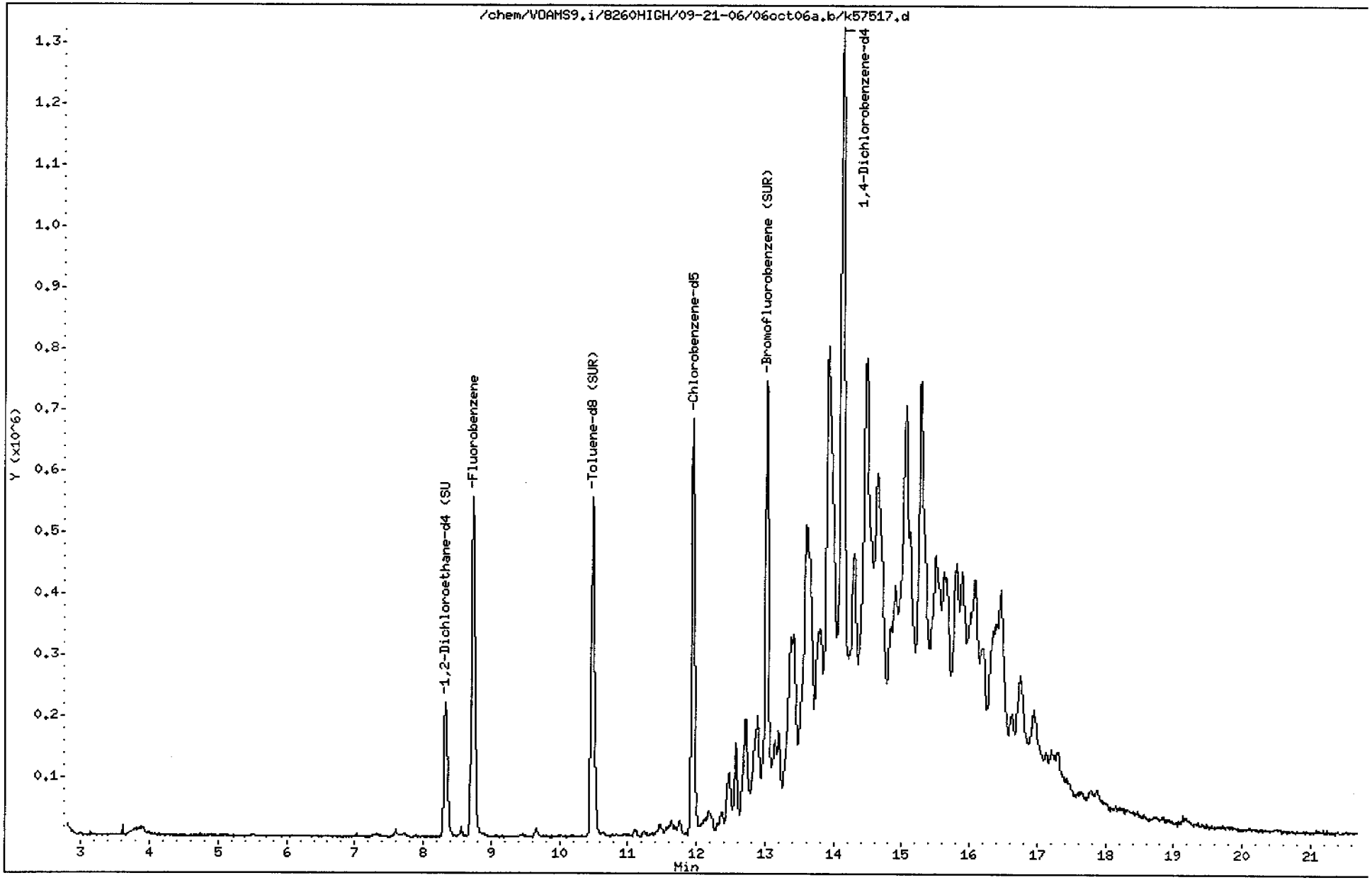
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	8.317	8.319	(0.953)	283525	38.8645	4600
* 19 Fluorobenzene	96	8.727	8.729	(1.000)	993767	50.0000	
$ 37 Toluene-d8 (SUR)	98	10.472	10.475	(0.878)	655588	49.2231	5800
* 32 Chlorobenzene-d5	117	11.933	11.936	(1.000)	691809	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.008	13.015	(0.923)	299419	57.0002	6800
* 91 1,4-Dichlorobenzene-d4	152	14.093	14.089	(1.000)	297405	50.0000	

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d
Date : 07-OCT-2006 05:45
Client ID: B604-SS01
Sample Info: 775584;50;;5,16;10

Column phase: DB624

Instrument: VOAMS9.i

Operator: VOAMS 4
Column diameter: 0.53



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X967

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d

Date : 07-OCT-2006 05:45

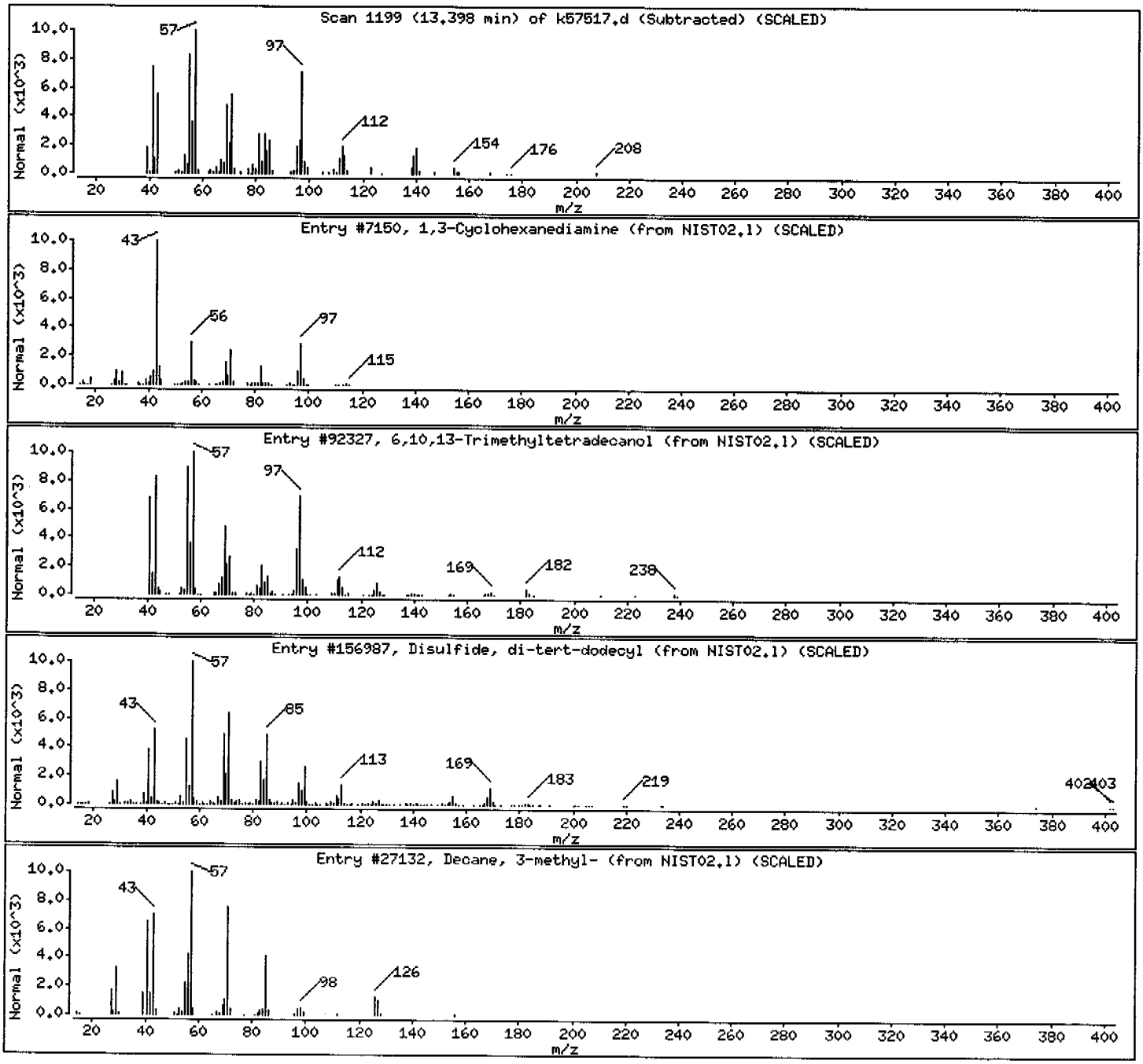
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
1,3-Cyclohexanediamine	3385-21-5	NIST02.l	7150	55	C6H14N2	114
6,10,13-Trimethyltetradecanol	1000131-71-0	NIST02.l	92327	49	C17H36O	256
Disulfide, di-tert-dodecyl	27458-90-8	NIST02.l	156987	27	C24H50S2	402
Decane, 3-methyl-	13151-34-3	NIST02.l	27132	25	C11H24	156



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d

Date : 07-OCT-2006 05:45

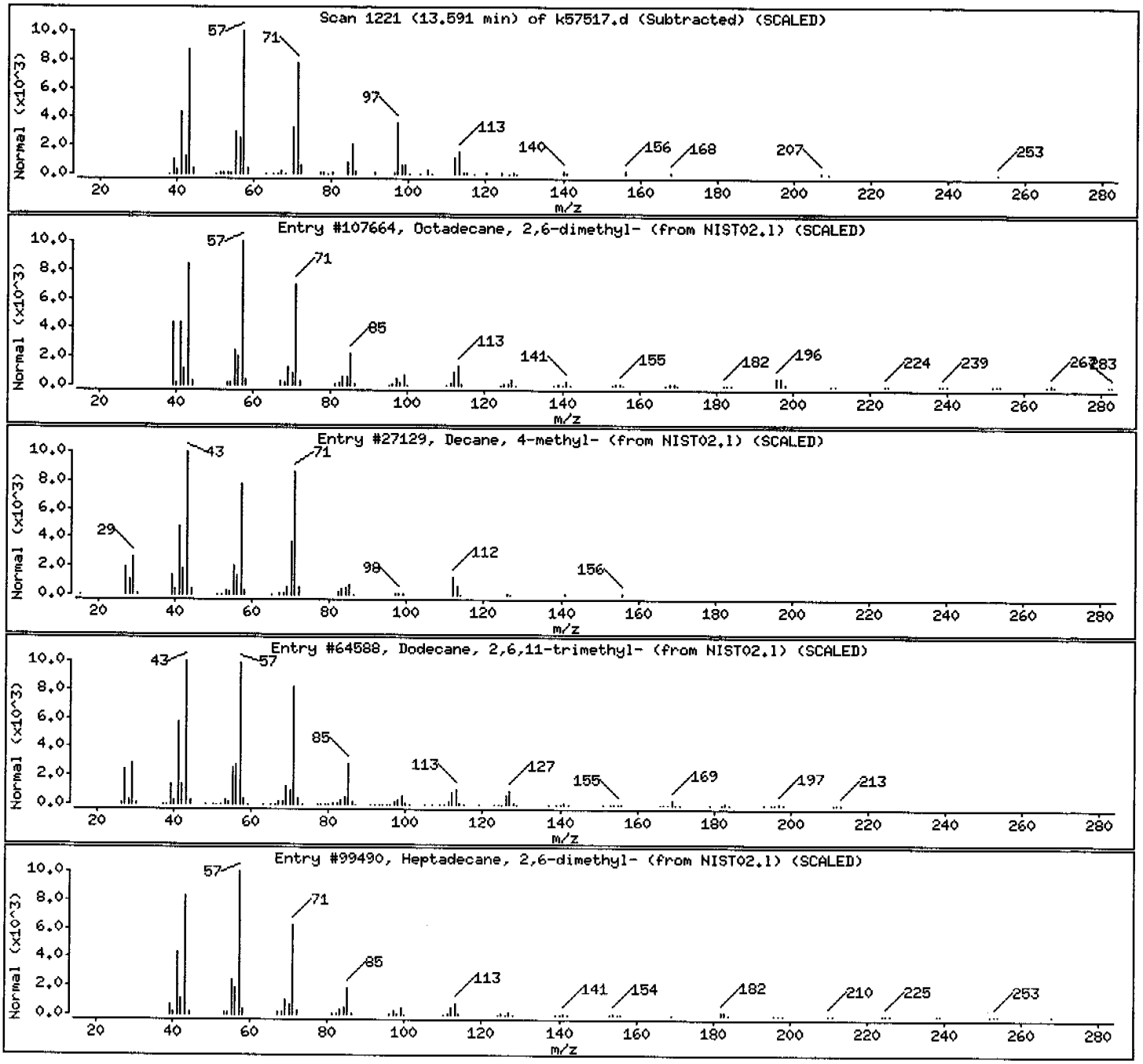
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Octadecane, 2,6-dimethyl-	75163-97-2	NIST02.l	107664	72	C20H42	282
Decane, 4-methyl-	2847-72-5	NIST02.l	27129	64	C11H24	156
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.l	64588	64	C15H32	212
Heptadecane, 2,6-dimethyl-	54105-67-8	NIST02.l	99490	64	C19H40	268



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Date : 07-OCT-2006 05:45

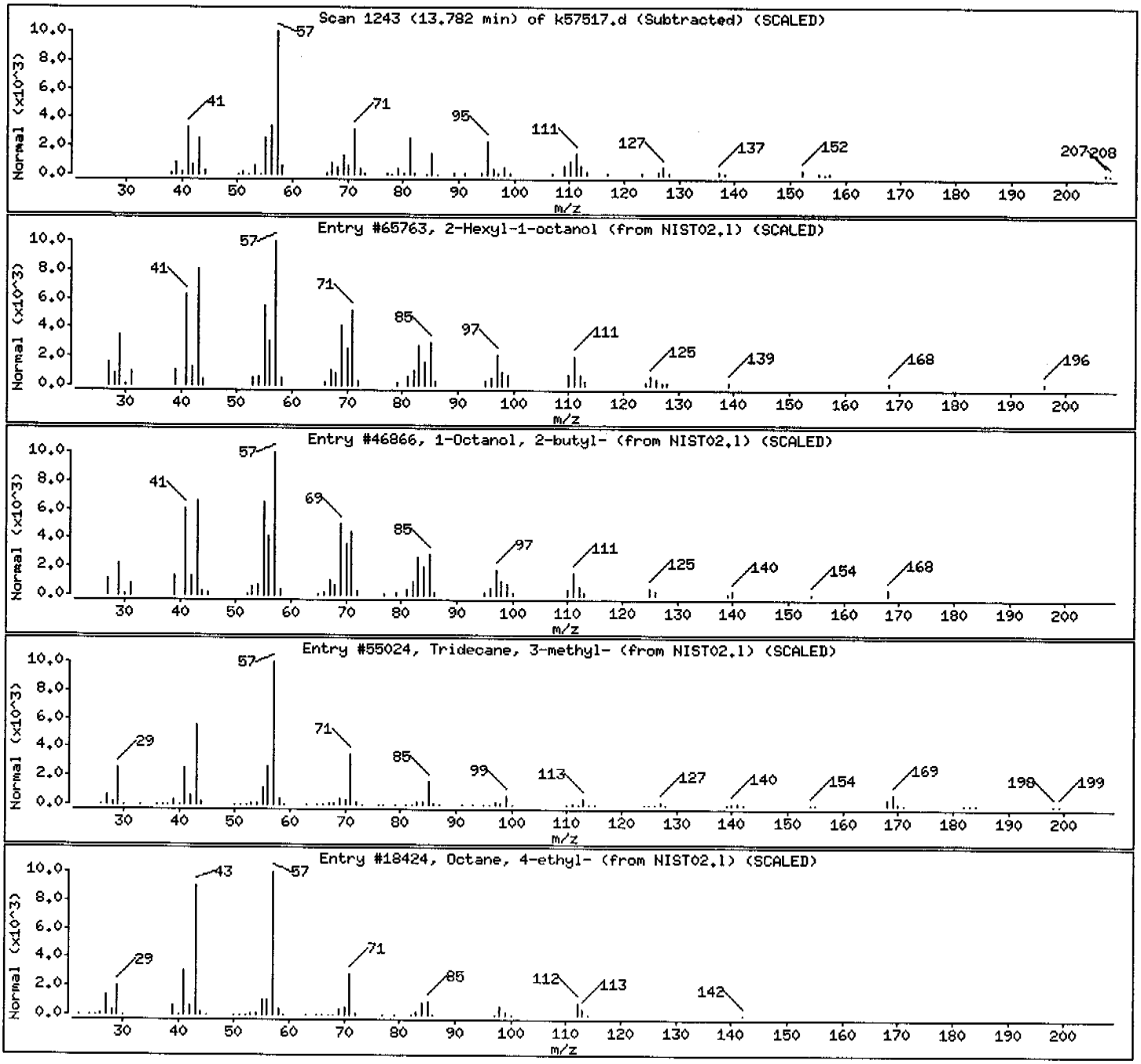
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Hexyl-1-octanol	19780-79-1	NIST02.l	65763	38	C14H30O	214
1-Octanol, 2-butyl-	3913-02-8	NIST02.l	46866	38	C12H26O	186
Tridecane, 3-methyl-	6418-41-3	NIST02.l	55024	37	C14H30	198
Octane, 4-ethyl-	15869-86-0	NIST02.l	18424	35	C10H22	142



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Date : 07-OCT-2006 05:45

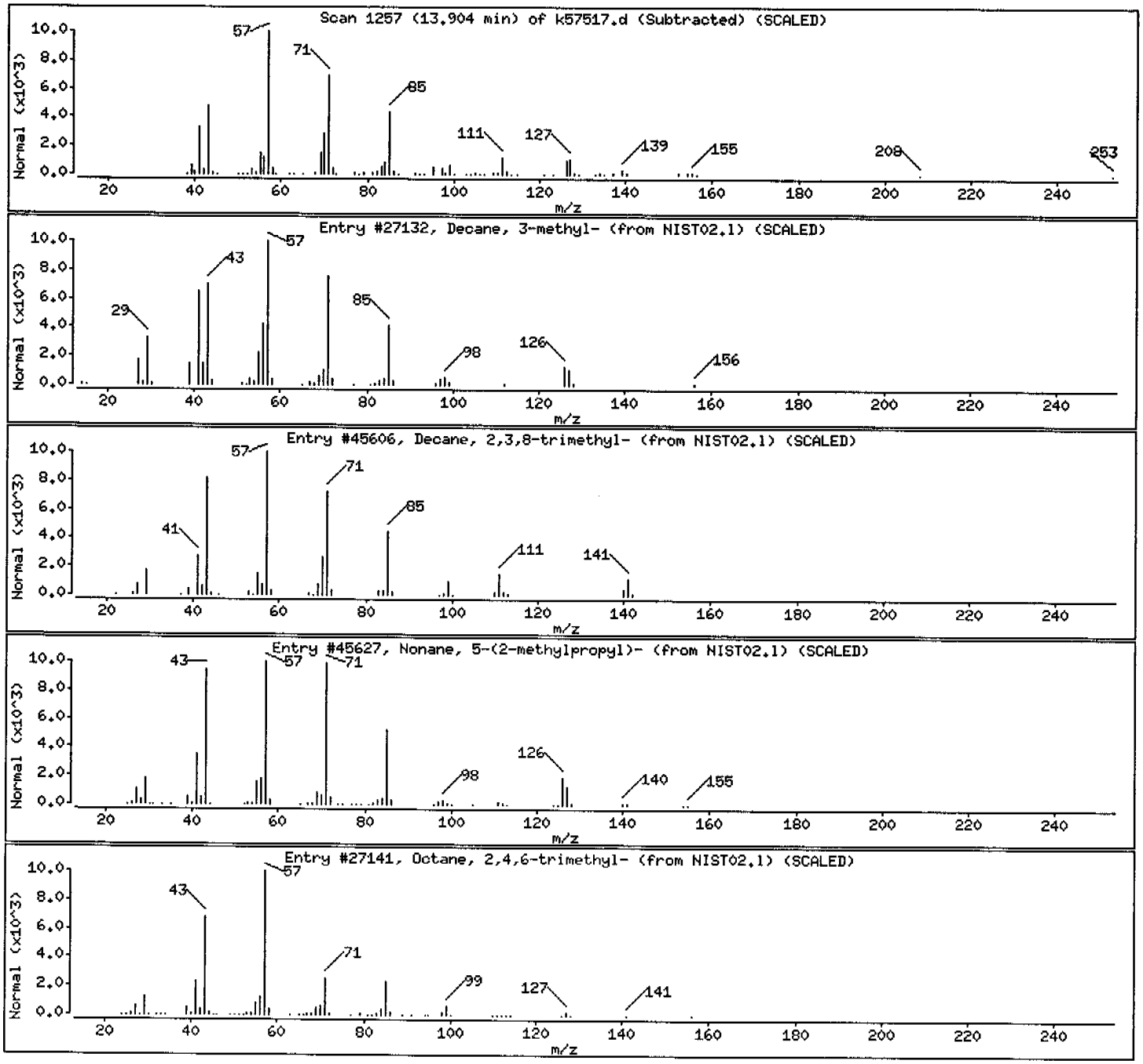
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Decane, 3-methyl-	13151-34-3	NIST02.l	27132	64	C11H24	156
Decane, 2,3,8-trimethyl-	62238-14-6	NIST02.l	45606	59	C13H28	184
Nonane, 5-(2-methylpropyl)-	62185-53-9	NIST02.l	45627	50	C13H28	184
Octane, 2,4,6-trimethyl-	62016-37-9	NIST02.l	27141	50	C11H24	156



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Date : 07-OCT-2006 05:45

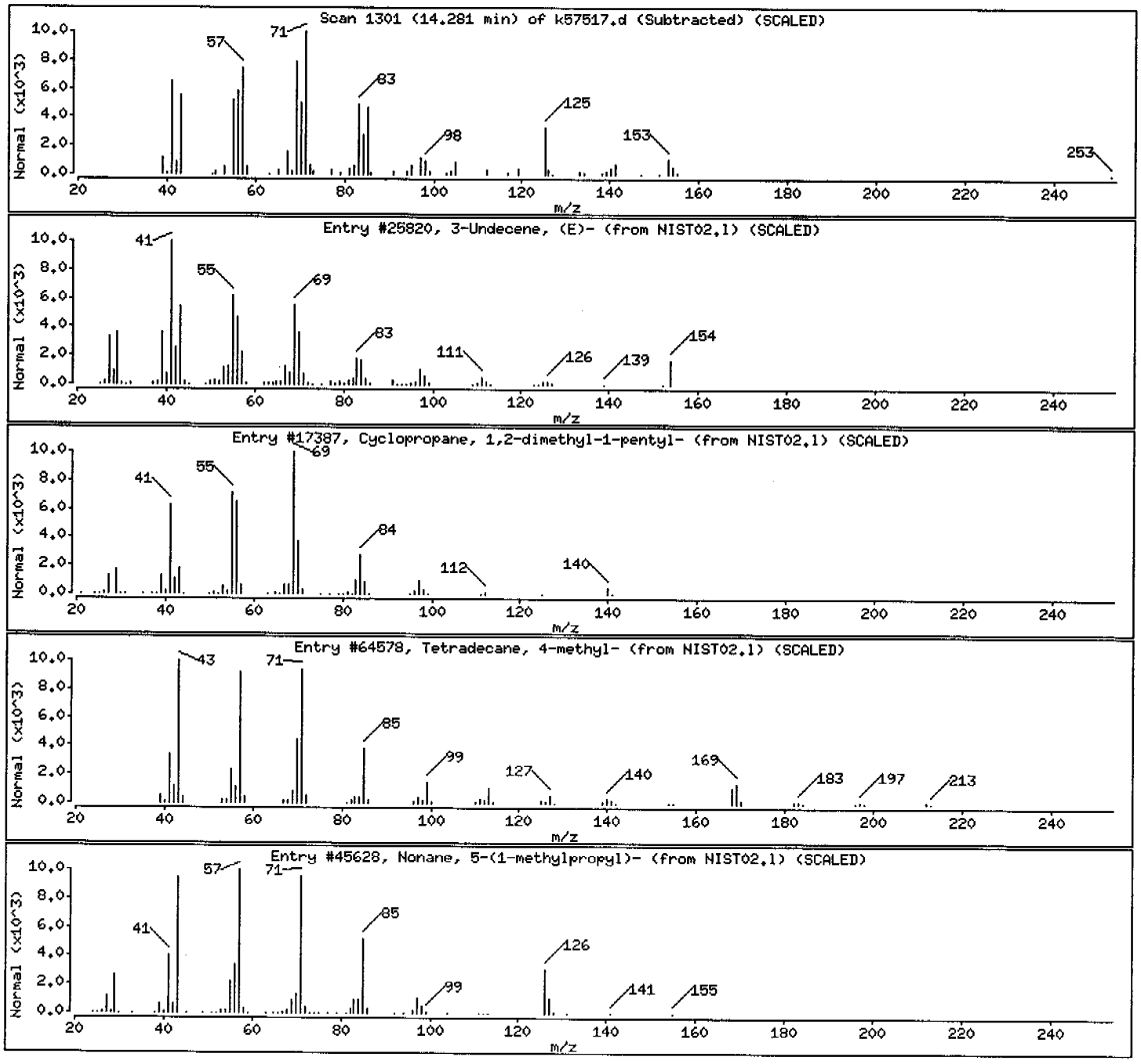
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5,16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
3-Undecene, (E)-	1002-68-2	NIST02.l	25820	46	C11H22	154
Cyclopropane, 1,2-dimethyl-1-pentyl-	62238-04-4	NIST02.l	17387	38	C10H20	140
Tetradecane, 4-methyl-	25117-24-2	NIST02.l	64578	35	C15H32	212
Nonane, 5-(1-methylpropyl)-	62185-54-0	NIST02.l	45628	35	C13H28	184



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Date : 07-OCT-2006 05:45

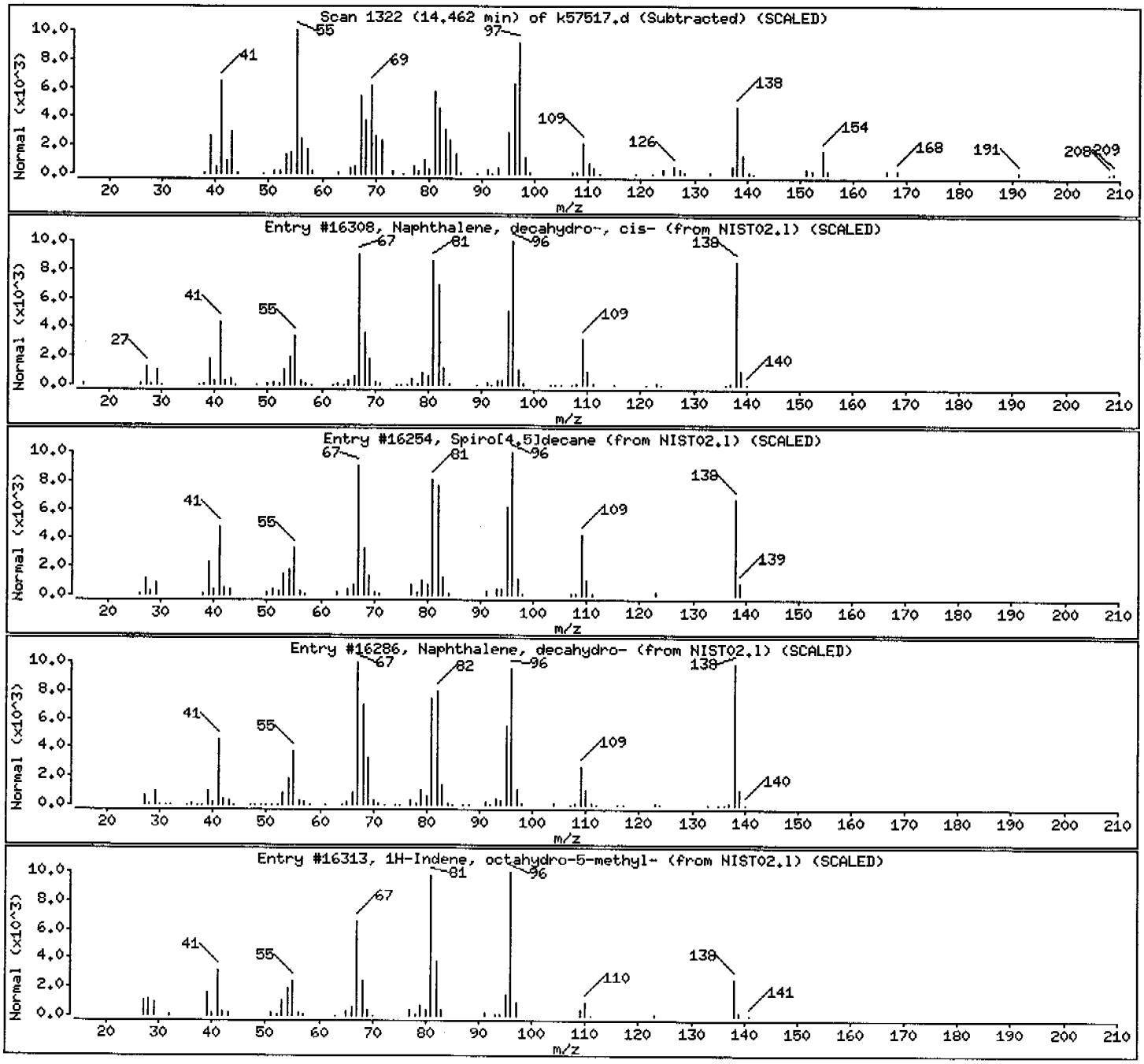
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
Naphthalene, decahydro-, cis-	493-01-6	NIST02.l	16308	93	C10H18	138
Spiro[4,5]decane	176-63-6	NIST02.l	16254	91	C10H18	138
Naphthalene, decahydro-	91-17-8	NIST02.l	16286	83	C10H18	138
1H-Indene, octahydro-5-methyl-	19744-64-0	NIST02.l	16313	46	C10H18	138



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d

Date : 07-OCT-2006 05:45

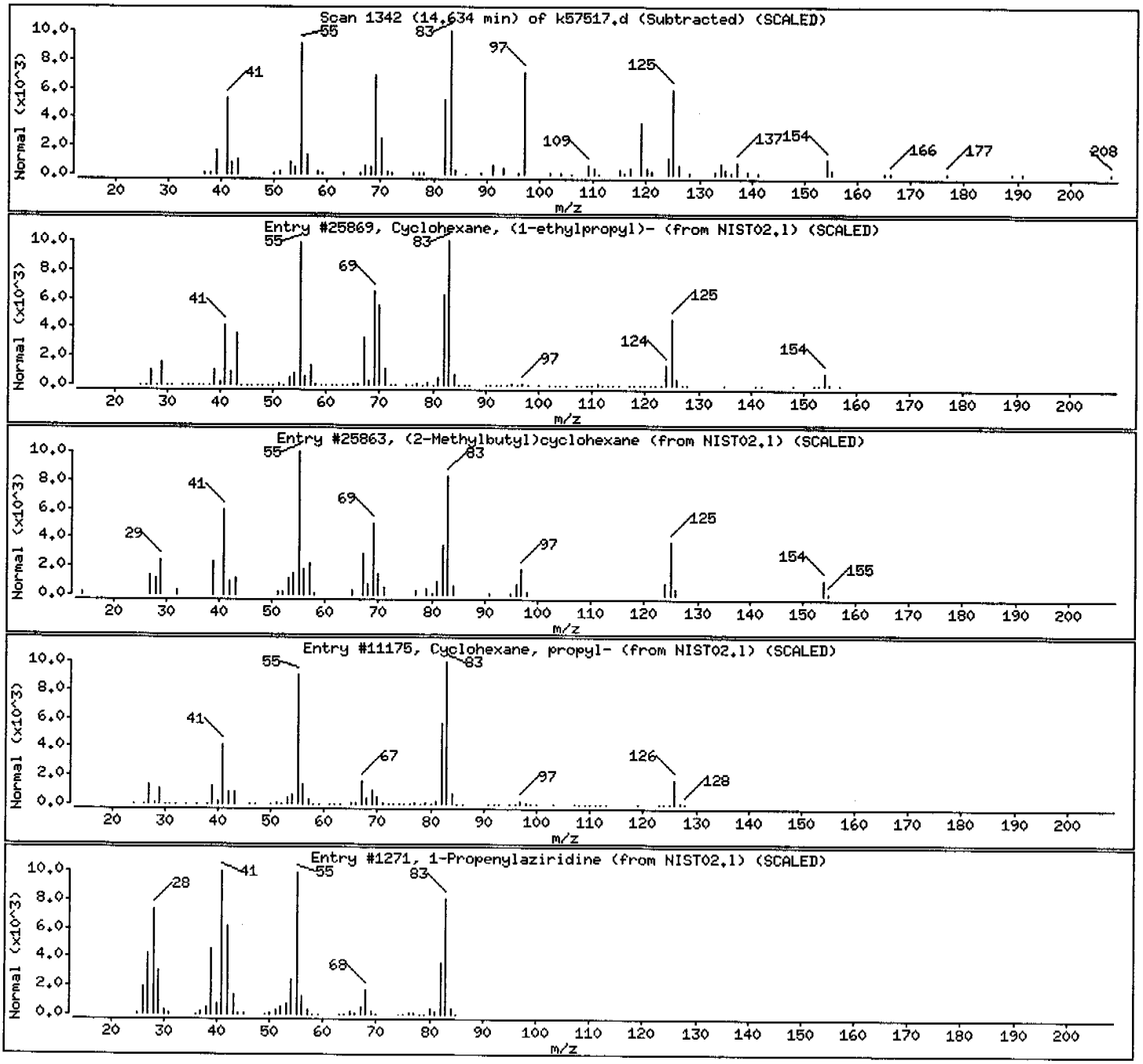
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H22 Cycloalkane						
Cyclohexane, (1-ethylpropyl)-	26321-98-2	NIST02.l	25869	53	C11H22	154
(2-Methylbutyl)cyclohexane	54105-77-0	NIST02.l	25863	47	C11H22	154
Cyclohexane, propyl-	1678-92-8	NIST02.l	11175	38	C9H18	126
1-Propenylaziridine	1000192-51-0	NIST02.l	1271	38	C5H9N	83



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d

Date : 07-OCT-2006 05:45

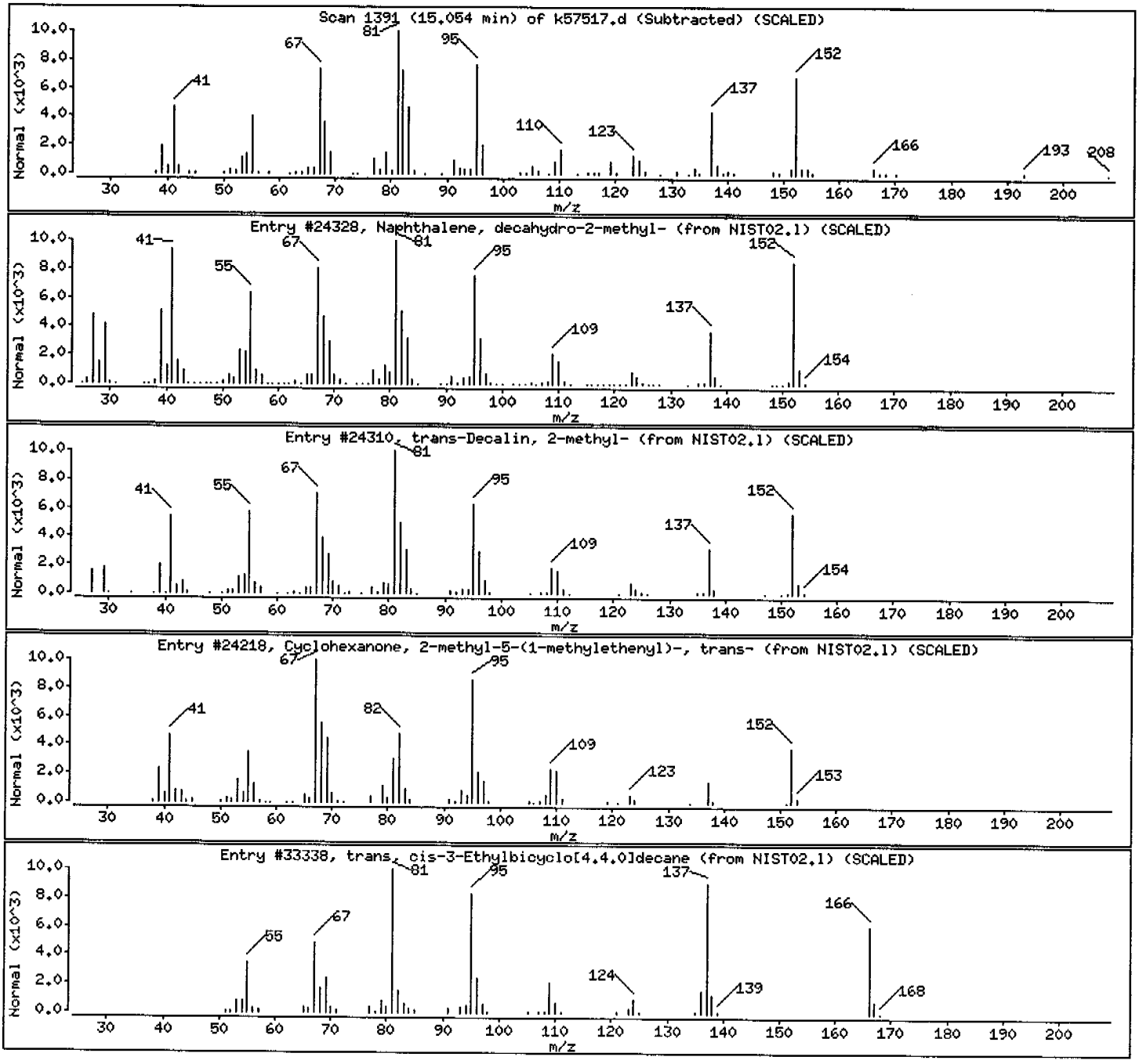
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	83	C11H20	152
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	80	C11H20	152
Cyclohexanone, 2-methyl-5-(1-methylethen	5948-04-9	NIST02.l	24218	53	C10H16O	152
trans, cis-3-Ethylbicyclo[4.4.0]decane	66660-43-3	NIST02.l	33338	49	C12H22	166



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d

Date : 07-OCT-2006 05:45

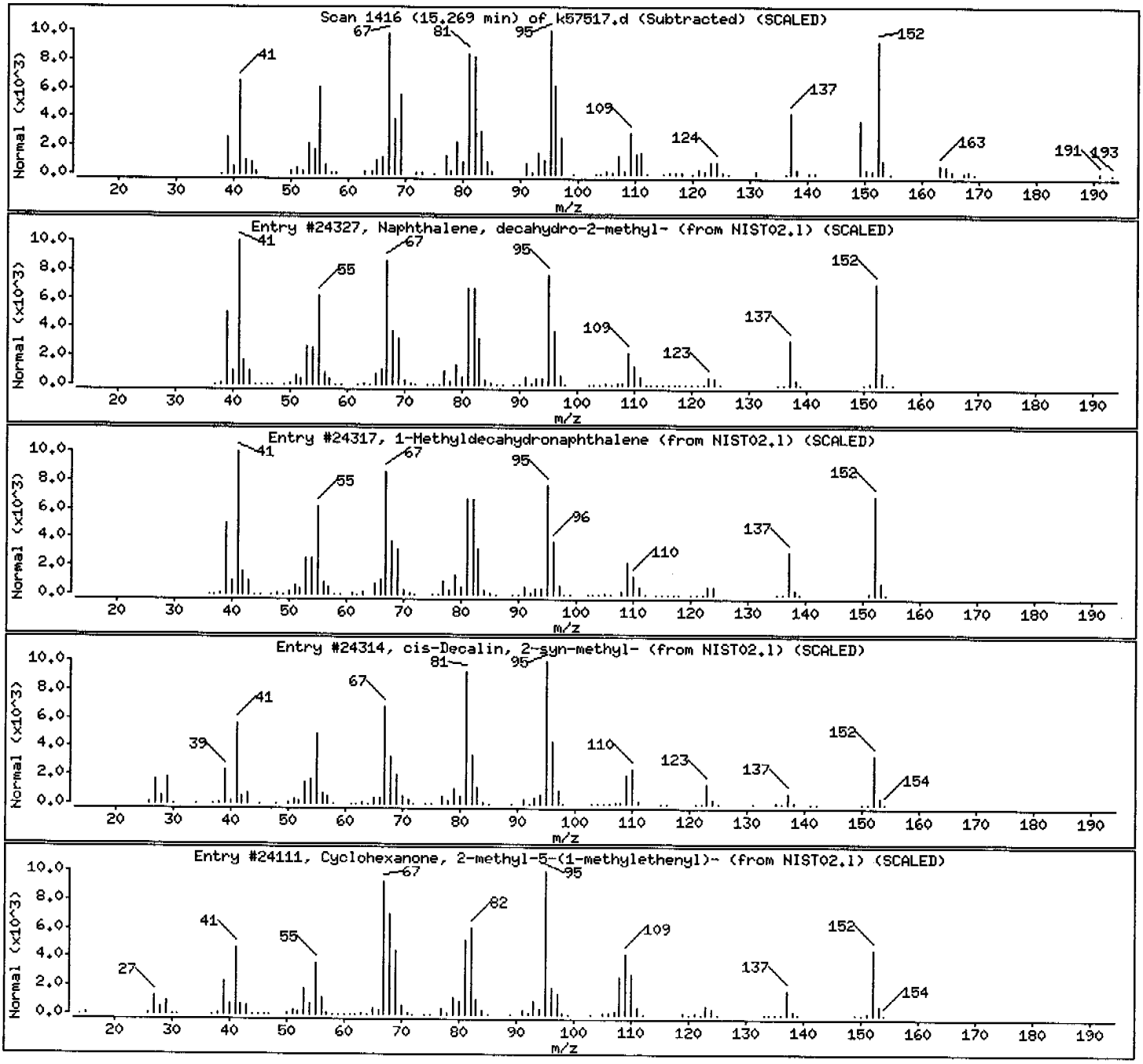
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24327	96	C11H20	152
1-Methyldecahydronaphthalene	2958-75-0	NIST02.l	24317	96	C11H20	152
cis-Decalin, 2-syn-methyl-	1000155-85-6	NIST02.l	24314	68	C11H20	152
Cyclohexanone, 2-methyl-5-(1-methylethen	7764-50-3	NIST02.l	24111	52	C10H160	152



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57517.d

Date : 07-OCT-2006 05:45

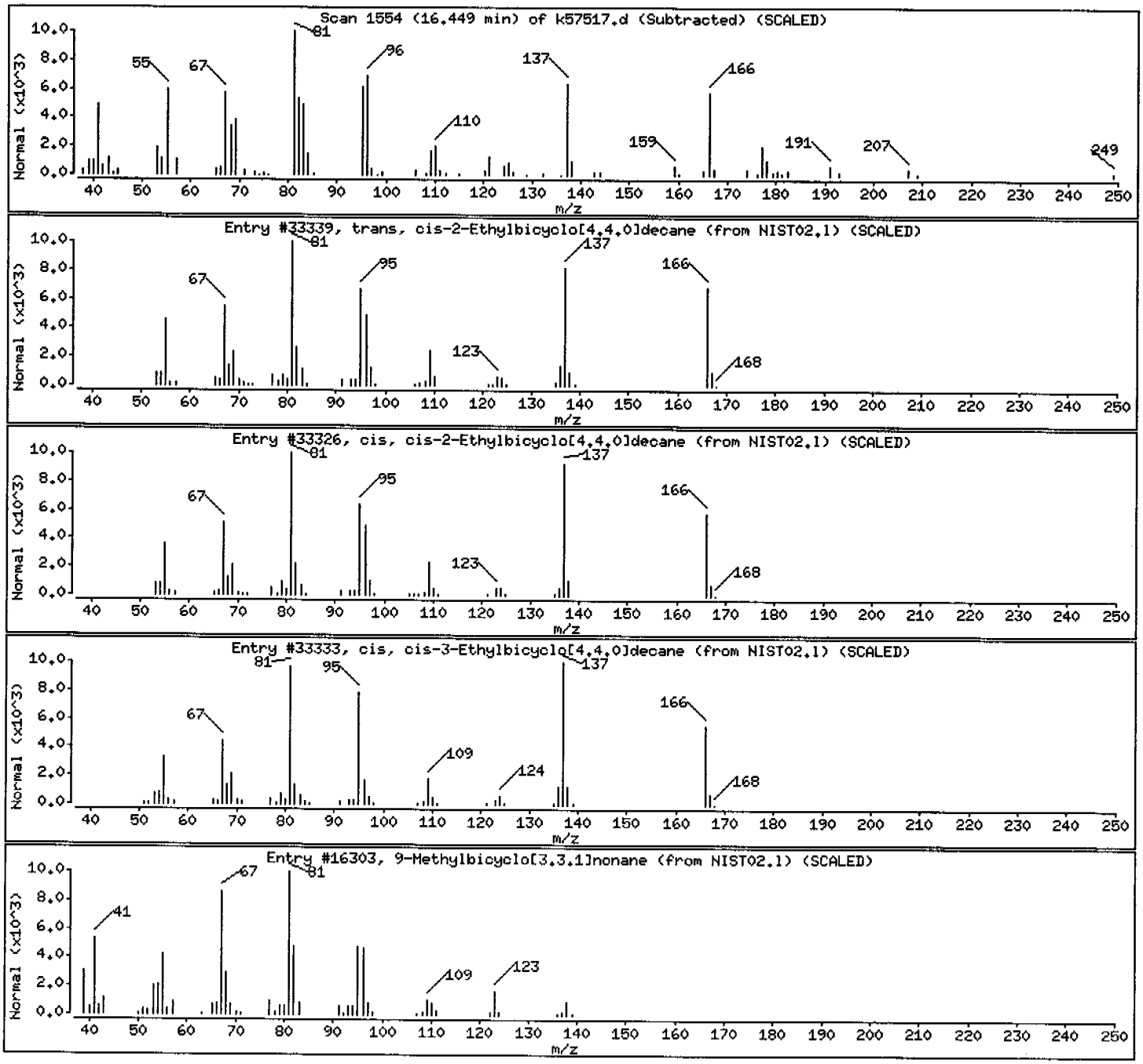
Client ID: B604-SS01 Instrument: VOAMS9.i

Sample Info: 775584;50;;5.16;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
trans, cis-2-Ethylbicyclo[4.4.0]decane	66660-39-7	NIST02.1	33339	58	C12H22	166
cis, cis-2-Ethylbicyclo[4.4.0]decane	66660-40-0	NIST02.1	33326	58	C12H22	166
cis, cis-3-Ethylbicyclo[4.4.0]decane	66660-42-2	NIST02.1	33333	52	C12H22	166
9-Methylbicyclo[3.3.1]nonane	25107-01-1	NIST02.1	16303	49	C10H18	138



Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57518.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.8 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 20

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	530
Bromomethane	ND	530
Vinyl Chloride	ND	530
Chloroethane	ND	530
Methylene Chloride	ND	320
Acetone	ND	530
Carbon Disulfide	ND	530
1,1-Dichloroethene	ND	210
1,1-Dichloroethane	ND	530
trans-1,2-Dichloroethene	ND	530
cis-1,2-Dichloroethene	ND	530
Chloroform	ND	530
1,2-Dichloroethane	ND	210
2-Butanone	ND	530
1,1,1-Trichloroethane	ND	530
Carbon Tetrachloride	ND	210
Bromodichloromethane	ND	110
1,2-Dichloropropane	ND	110
cis-1,3-Dichloropropene	ND	530
Trichloroethene	ND	110
Dibromochloromethane	ND	530
1,1,2-Trichloroethane	ND	320
Benzene	ND	110
trans-1,3-Dichloropropene	ND	530
Bromoform	ND	430
4-Methyl-2-Pentanone	ND	530
2-Hexanone	ND	530
Tetrachloroethene	ND	110
1,1,2,2-Tetrachloroethane	ND	110
Toluene	ND	530
Chlorobenzene	ND	530
Ethylbenzene	ND	430
Styrene	ND	530
Xylene (Total)	ND	530

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57518.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.8 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H20 Cycloalkane	13.40	2500	
2.	C11H24 Alkane	13.60	4800	
3.	Unknown Alkane	13.90	2500	
4.	C10H20 Cycloalkane	13.95	2900	
5.	Decahydronaphthalene isomer	14.47	3700	
6.	C11H22 Cycloalkane	14.64	3900	
7.	Decahydromethylnaphthalene isomer	15.06	3800	
8.	Decahydromethylnaphthalene isomer	15.26	2400	
9.	Unknown Alkane	15.49	3400	
10.	Unknown Aromatic	16.46	2000	
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TOTAL ESTIMATED CONCENTRATION 31900

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57518.d
Report Date: 11-Oct-2006 12:13

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

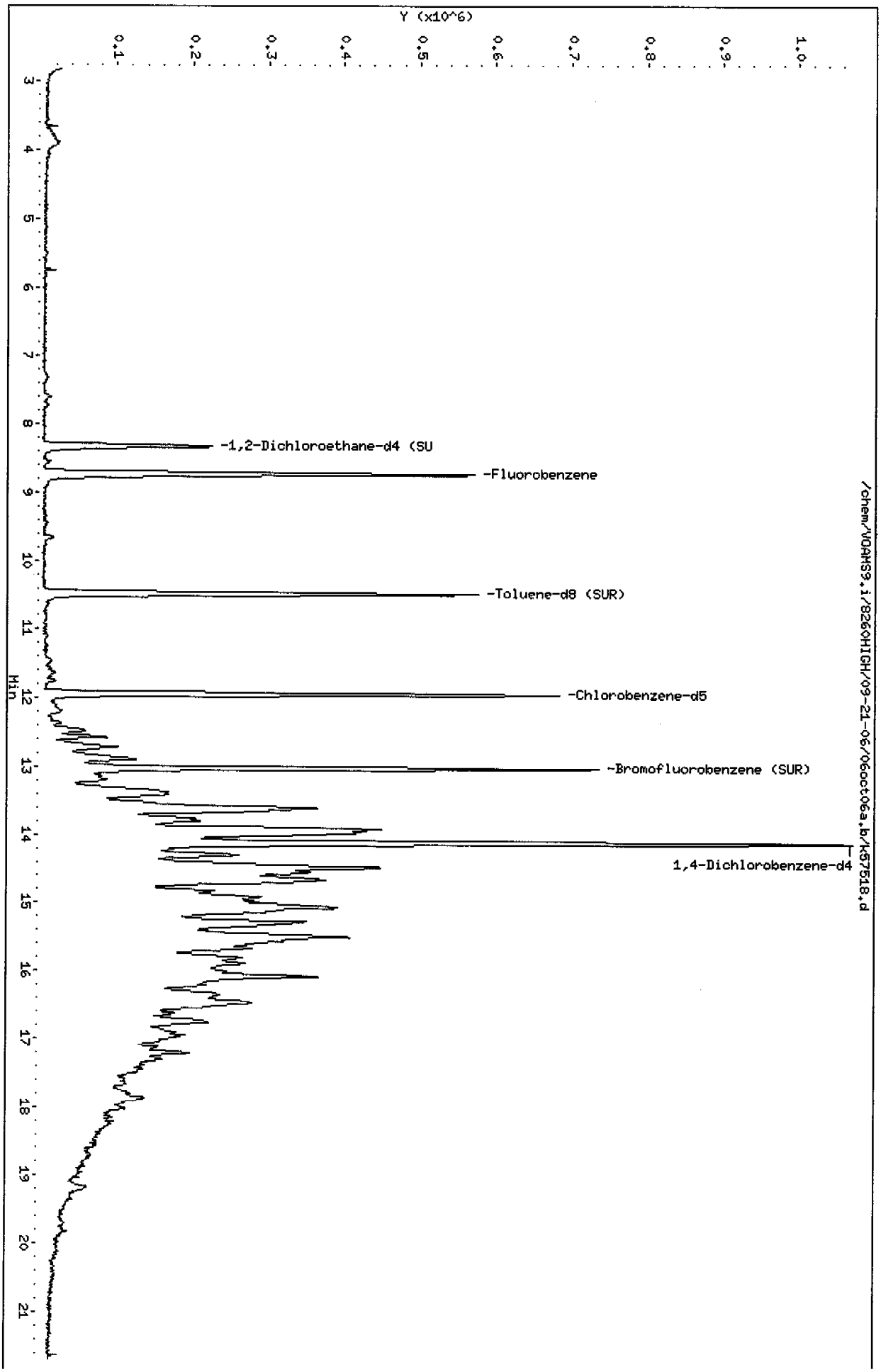
Data file : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57518.d
Lab Smp Id: 775585 Client Smp ID: B604-SS02
Inj Date : 07-OCT-2006 06:14
Operator : VOAMS 4 Inst ID: VOAMS9.i
Smp Info : 775585;50;;5.83;10
Misc Info : X967;0946;;EM AT.
Comment :
Method : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/8260H_05.m
Meth Date : 07-Oct-2006 00:53 eddie Quant Type: ISTD
Cal Date : 21-SEP-2006 05:23 Cal File: k57009.d
Als bottle: 14
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.83000	Weight of sample extracted (g)
M	19.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	8.323	8.319	(0.954)	294776	39.6972	4200
* 19 Fluorobenzene	96	8.723	8.729	(1.000)	1011528	50.0000	
$ 37 Toluene-d8 (SUR)	98	10.475	10.475	(0.877)	664817	48.2650	5100
* 32 Chlorobenzene-d5	117	11.941	11.936	(1.000)	715473	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.017	13.015	(0.924)	316343	58.4104	6200
* 91 1,4-Dichlorobenzene-d4	152	14.094	14.089	(1.000)	306629	50.0000	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Date : 07-OCT-2006 06:14
Client ID: B604-SS02
Sample Info: 775585;50;;5.83;10
Column phase: DB624
Instrument: VOAMS9.i
Operator: VOAMS 4
Column diameter: 0.53
Y (x10^6)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57518.d

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57518.d

Date : 07-OCT-2006 06:14

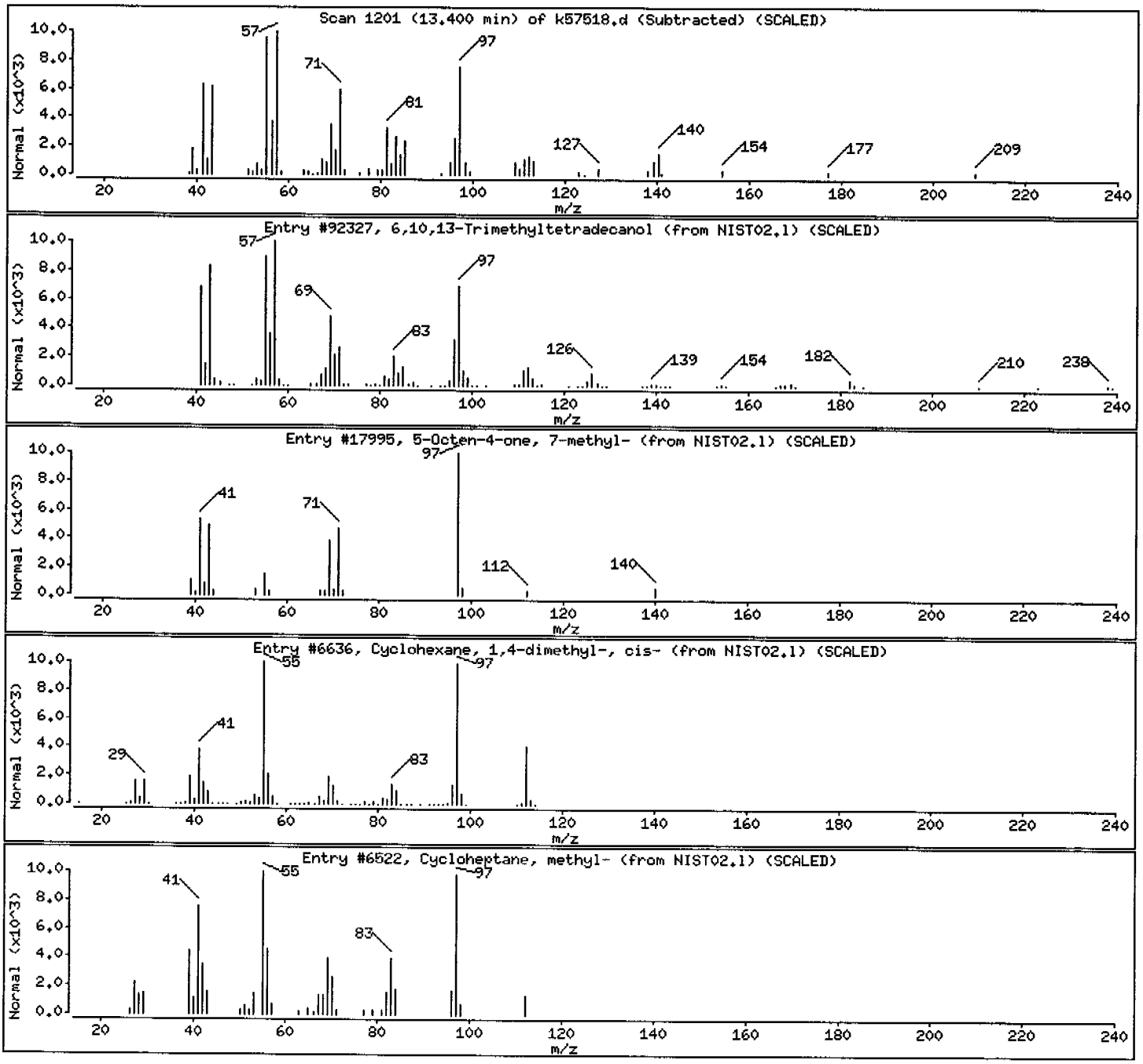
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
6,10,13-Trimethyltetradecanol	1000131-71-0	NIST02.l	92327	59	C17H36O	256
5-Octen-4-one, 7-methyl-	32064-78-1	NIST02.l	17995	43	C9H16O	140
Cyclohexane, 1,4-dimethyl-, cis-	624-29-3	NIST02.l	6636	43	C8H16	112
Cycloheptane, methyl-	4126-78-7	NIST02.l	6522	43	C8H16	112



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Date : 07-OCT-2006 06:14

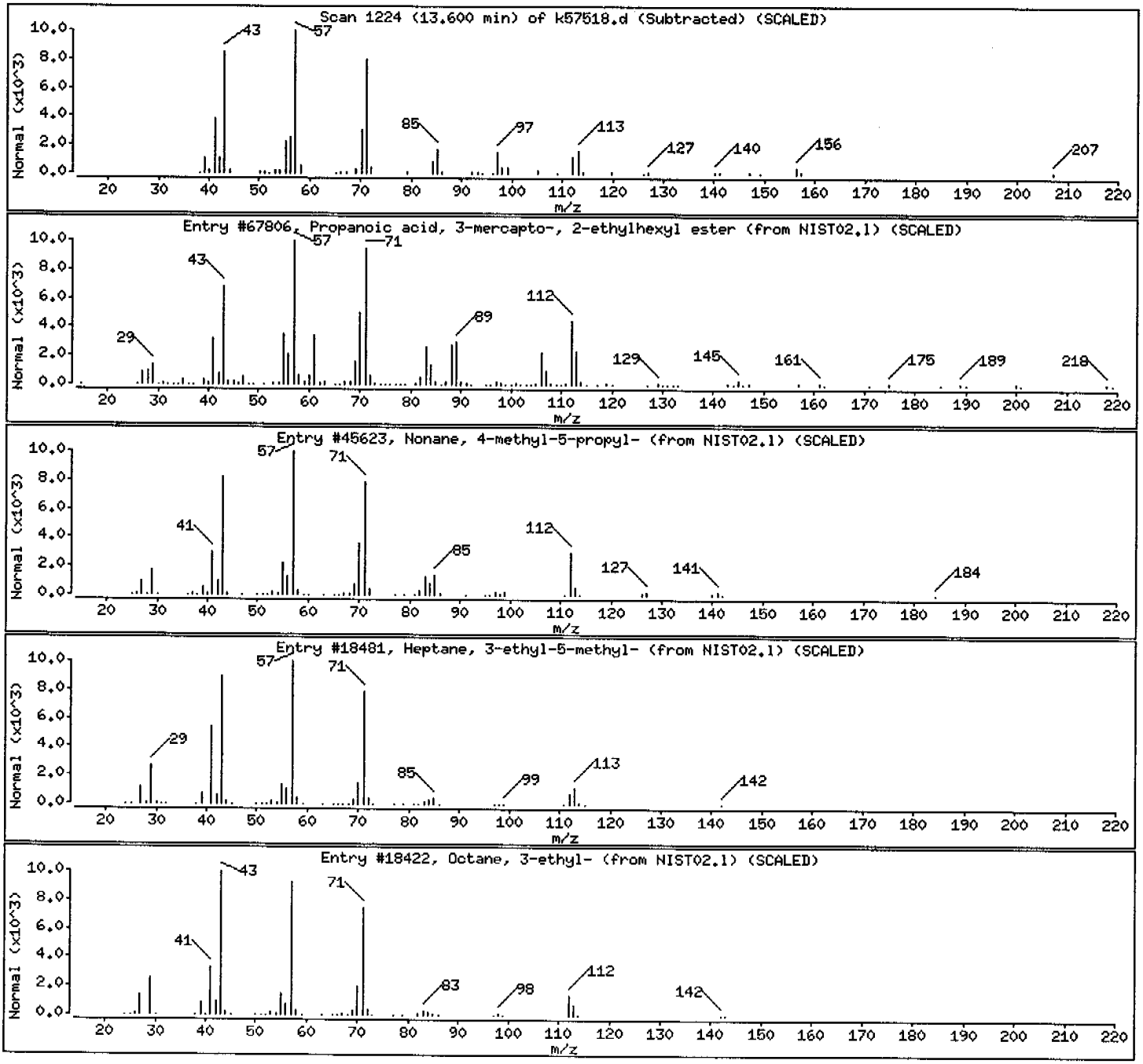
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Propanoic acid, 3-mercapto-, 2-ethylhexy	50448-95-8	NIST02.l	67806	64	C11H22O2S	218
Nonane, 4-methyl-5-propyl-	62185-55-1	NIST02.l	45623	64	C13H28	184
Heptane, 3-ethyl-5-methyl-	52896-90-9	NIST02.l	18481	59	C10H22	142
Octane, 3-ethyl-	5881-17-4	NIST02.l	18422	59	C10H22	142



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Date : 07-OCT-2006 06:14

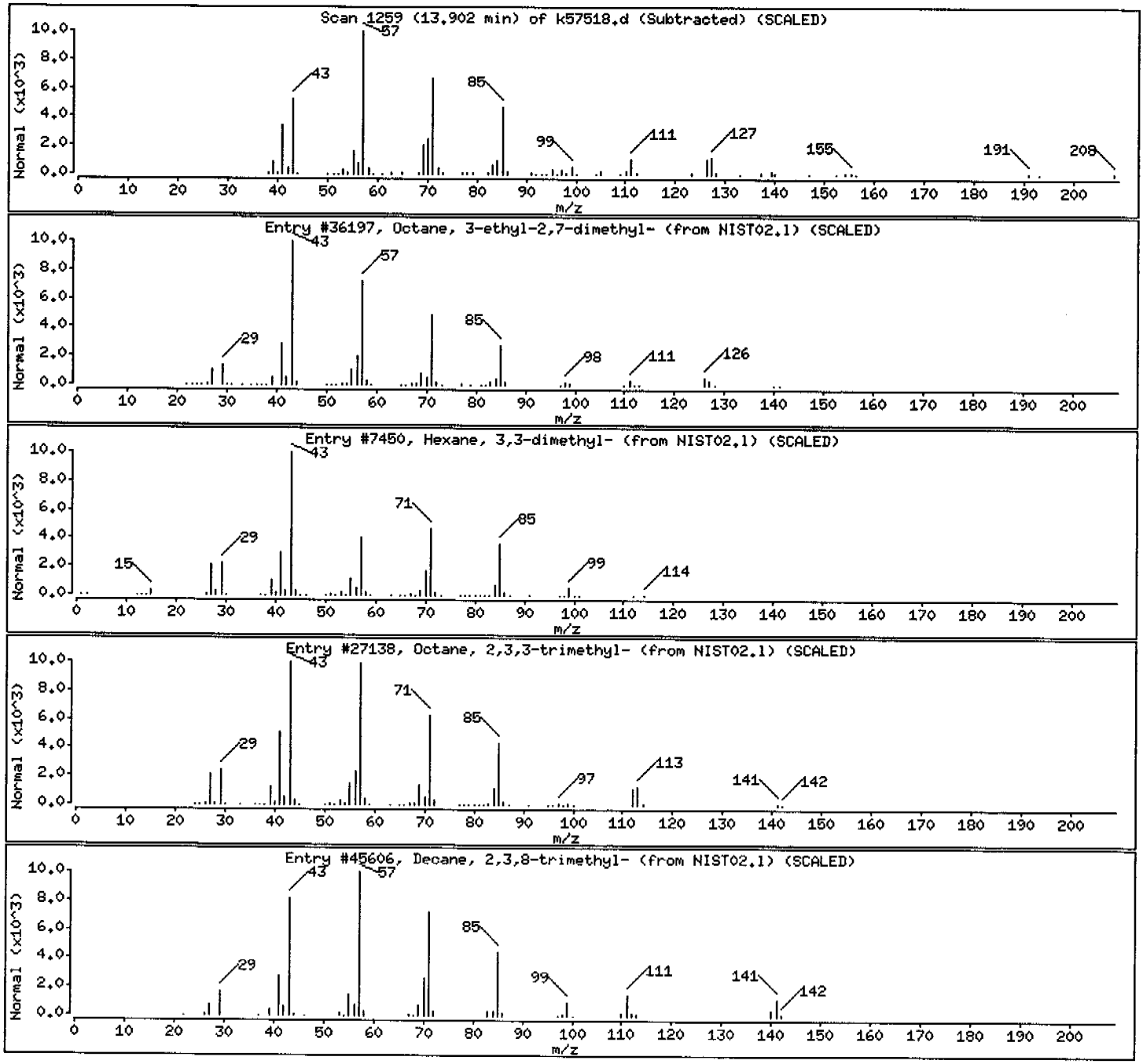
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octane, 3-ethyl-2,7-dimethyl-	62183-55-5	NIST02.l	36197	64	C12H26	170
Hexane, 3,3-dimethyl-	563-16-6	NIST02.l	7450	59	C8H18	114
Octane, 2,3,3-trimethyl-	62016-30-2	NIST02.l	27138	53	C11H24	156
Decane, 2,3,8-trimethyl-	62238-14-6	NIST02.l	45606	50	C13H28	184



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Date : 07-OCT-2006 06:14

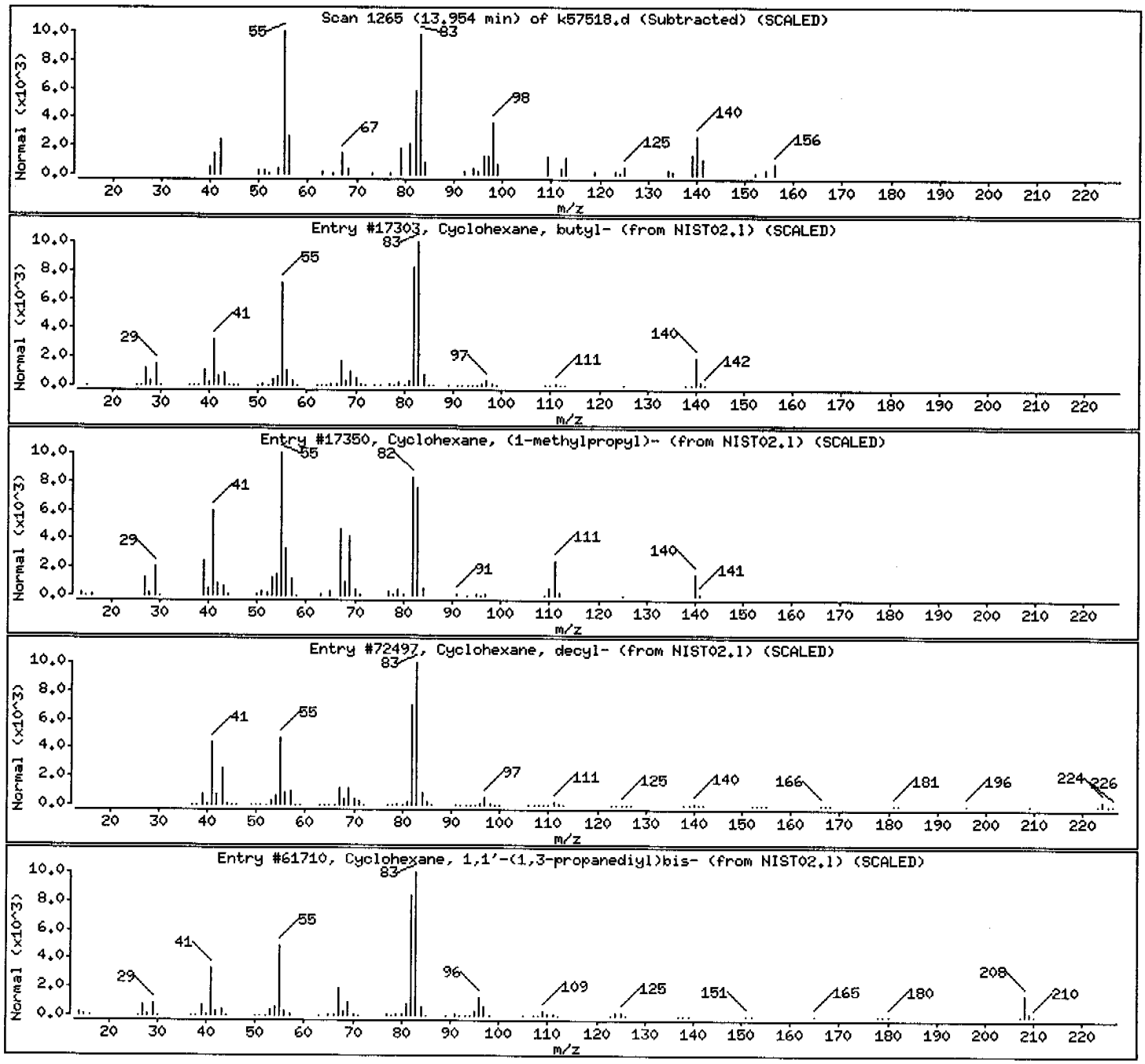
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
Cyclohexane, butyl-	1678-93-9	NIST02.l	17303	58	C10H20	140
Cyclohexane, (1-methylpropyl)-	7058-01-7	NIST02.l	17350	50	C10H20	140
Cyclohexane, decyl-	1795-16-0	NIST02.l	72497	50	C16H32	224
Cyclohexane, 1,1'-(1,3-propanediyl)bis-	3178-24-3	NIST02.l	61710	40	C15H28	208



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Date : 07-OCT-2006 06:14

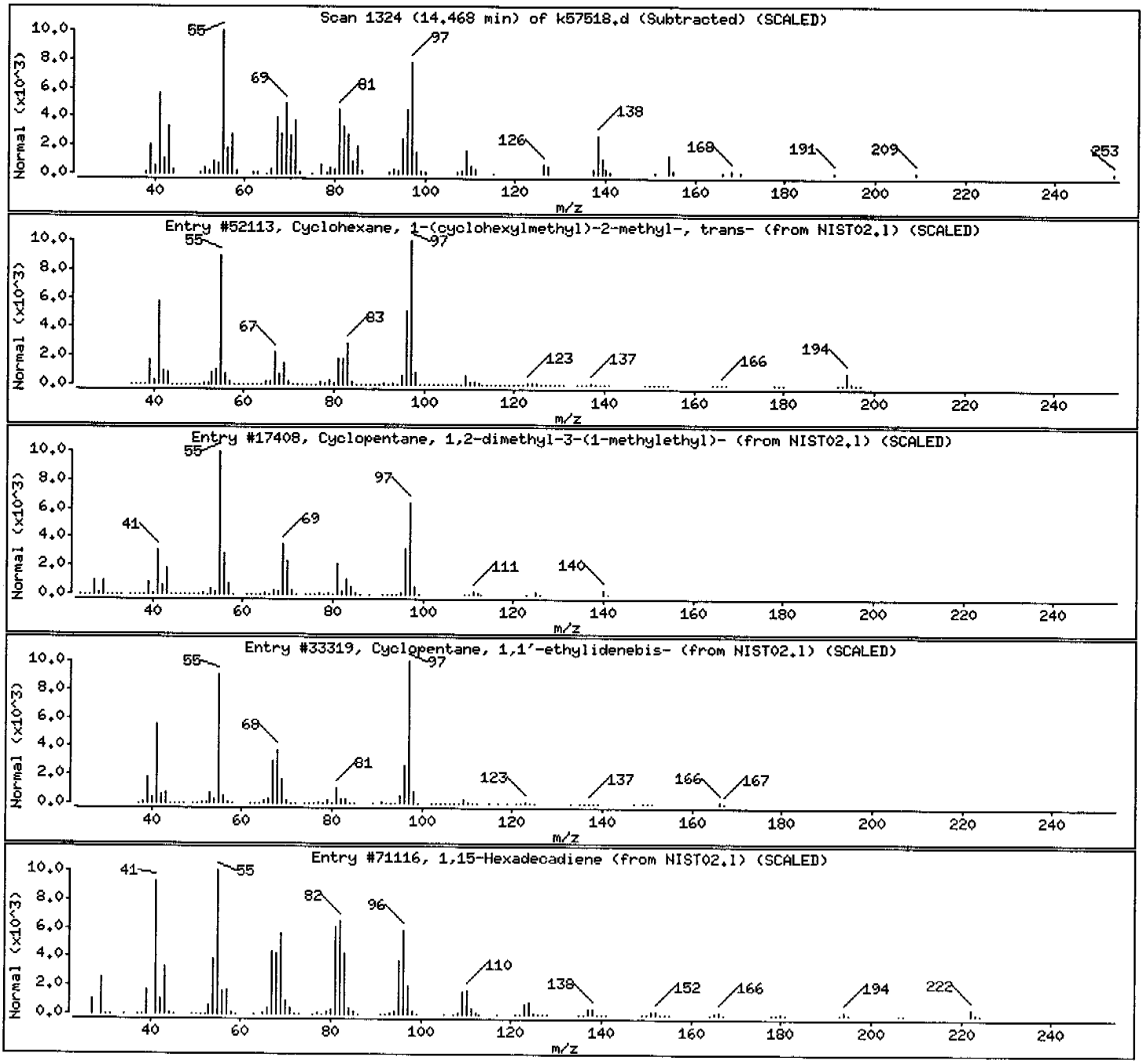
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
Cyclohexane, 1-(cyclohexylmethyl)-2-meth	54823-94-8	NIST02.l	52113	43	C14H26	194
Cyclopentane, 1,2-dimethyl-3-(1-methylet	489-20-3	NIST02.l	17408	43	C10H20	140
Cyclopentane, 1,1'-ethylidenebis-	4413-21-2	NIST02.l	33319	38	C12H22	166
1,15-Hexadecadiene	21964-51-2	NIST02.l	71116	27	C16H30	222



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Date : 07-OCT-2006 06:14

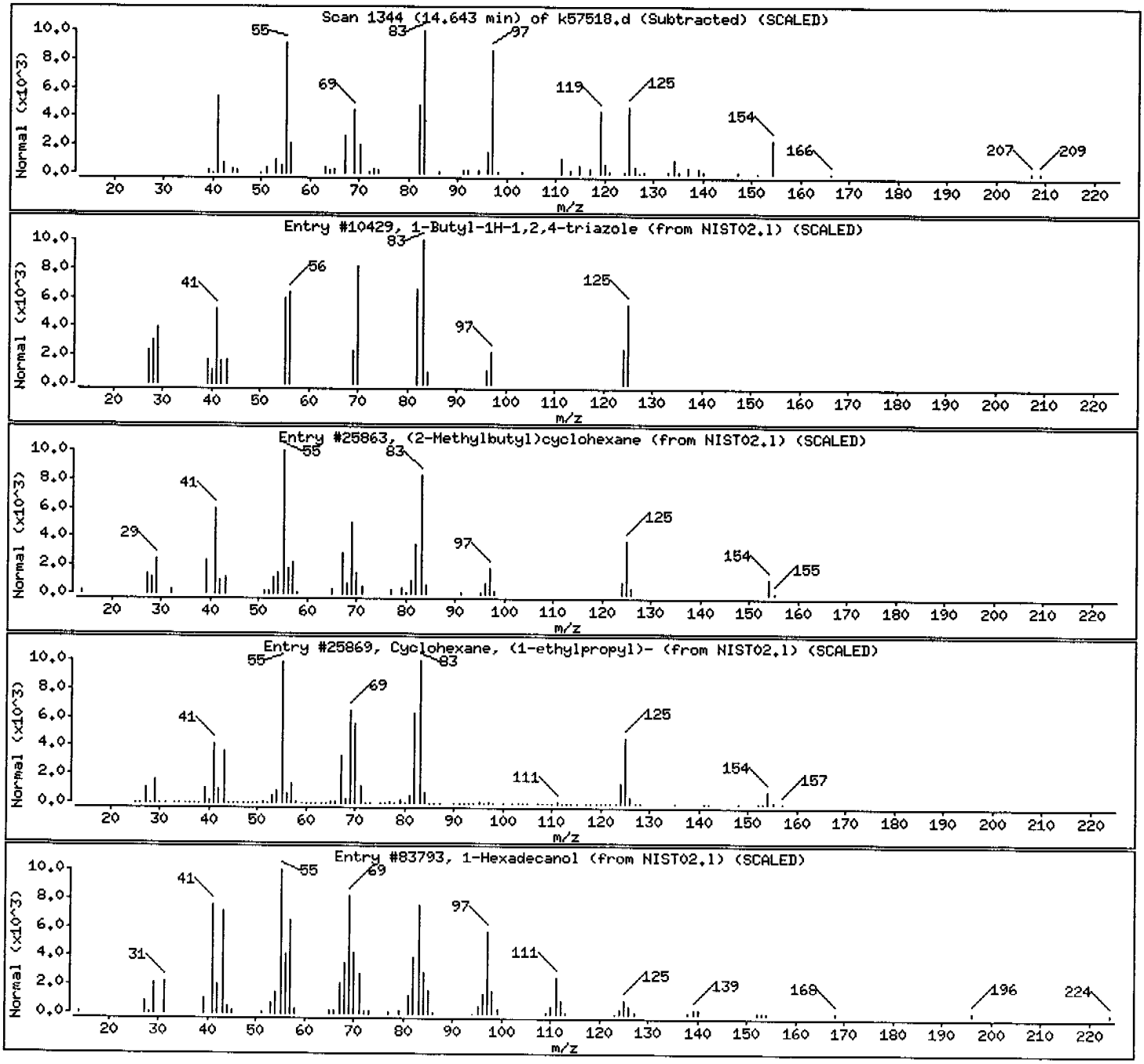
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H22 Cycloalkane						
1-Butyl-1H-1,2,4-triazole	6086-22-2	NIST02.l	10429	38	C6H11N3	125
(2-Methylbutyl)cyclohexane	54105-77-0	NIST02.l	25863	38	C11H22	154
Cyclohexane, (1-ethylpropyl)-	26321-98-2	NIST02.l	25869	35	C11H22	154
1-Hexadecanol	36653-82-4	NIST02.l	83793	28	C16H340	242



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Date : 07-OCT-2006 06:14

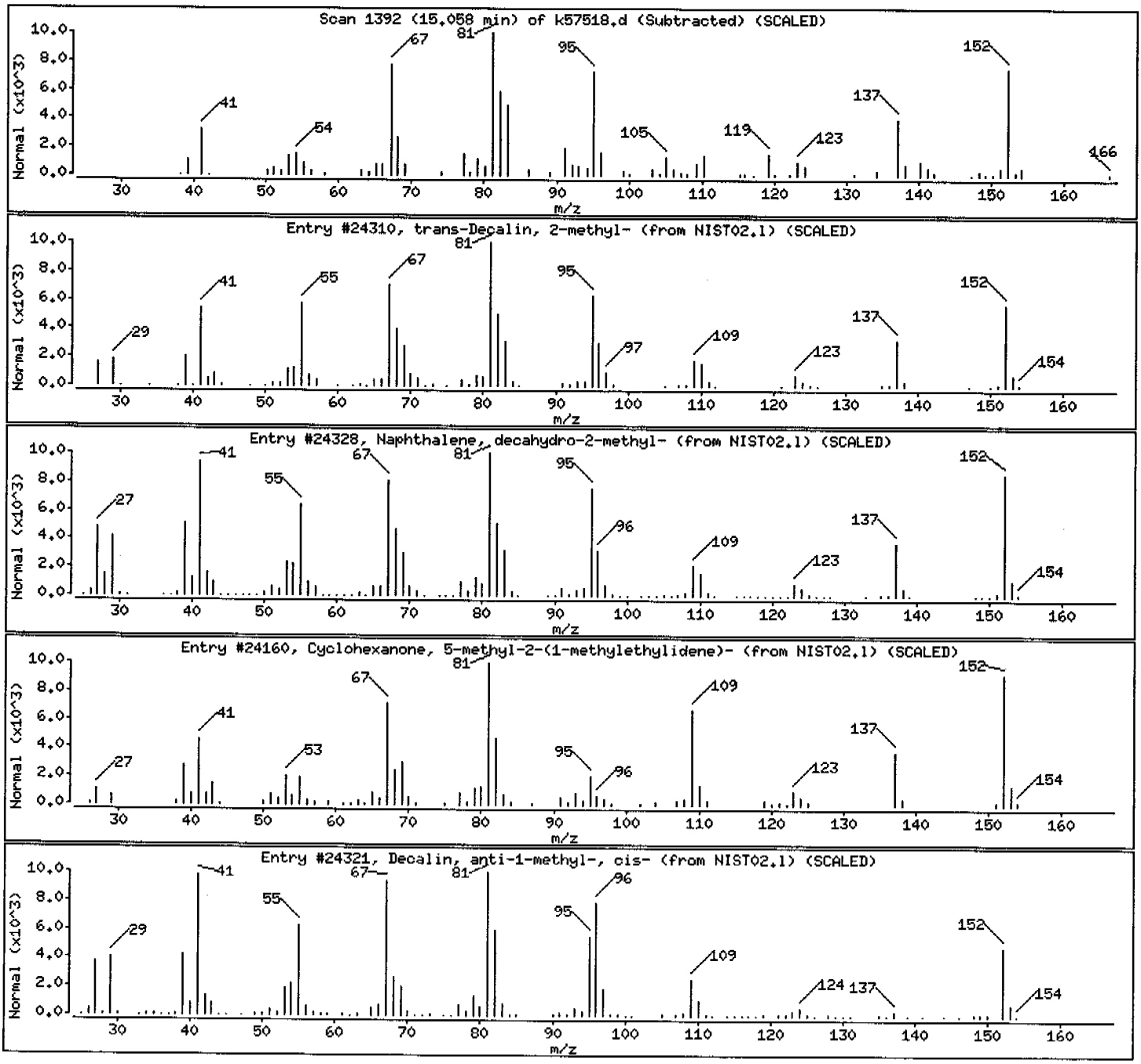
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5,83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	90	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	87	C11H20	152
Cyclohexanone, 5-methyl-2-(1-methylethyl	15932-80-6	NIST02.l	24160	76	C10H16O	152
Decalin, anti-1-methyl-, cis-	1000158-89-0	NIST02.l	24321	76	C11H20	152



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Date : 07-OCT-2006 06:14

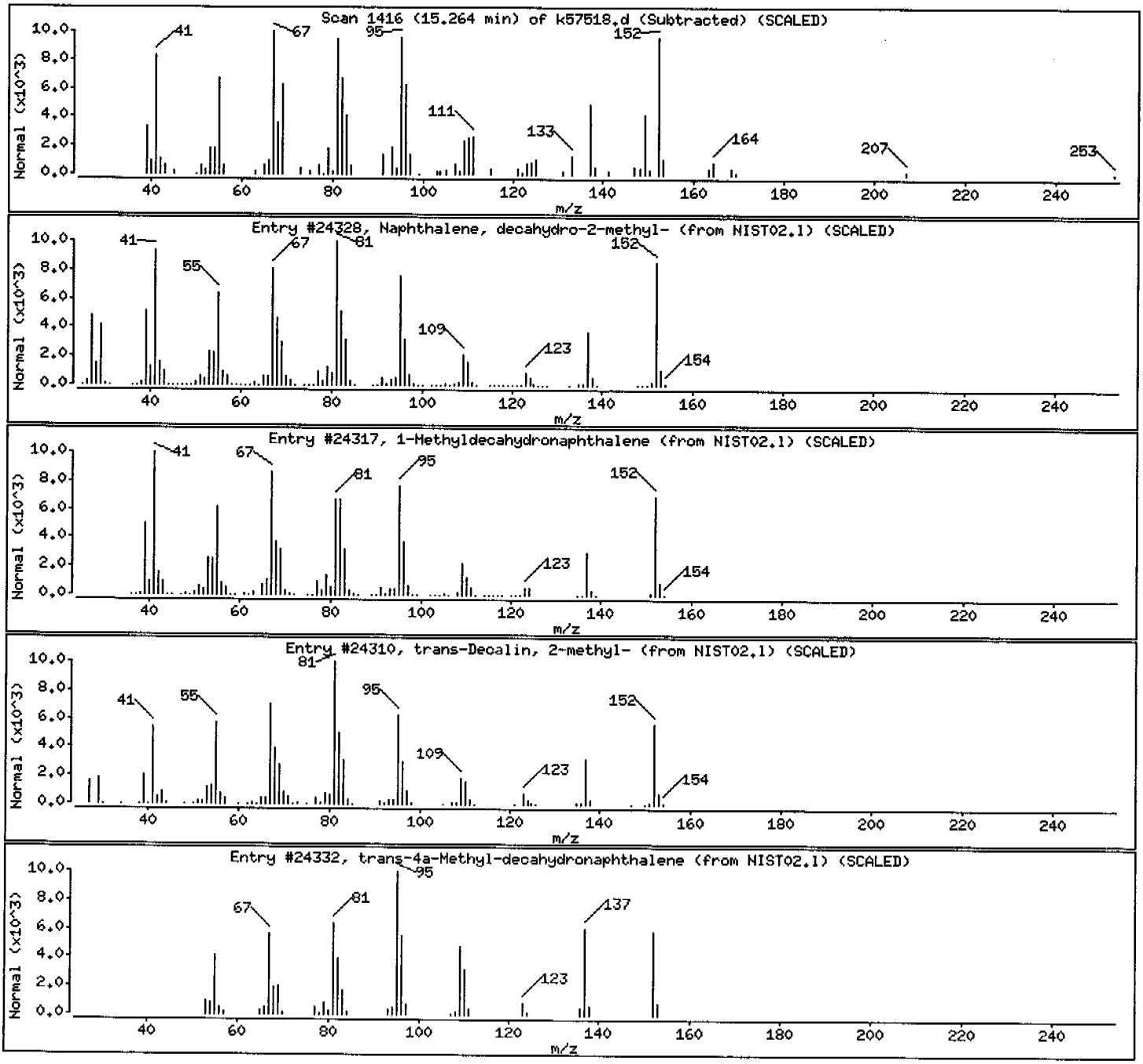
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	93	C11H20	152
1-Methyldecahydronaphthalene	2958-75-0	NIST02.l	24317	91	C11H20	152
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	86	C11H20	152
trans-4a-Methyl-decahydronaphthalene	2547-27-5	NIST02.l	24332	64	C11H20	152



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Date : 07-OCT-2006 06:14

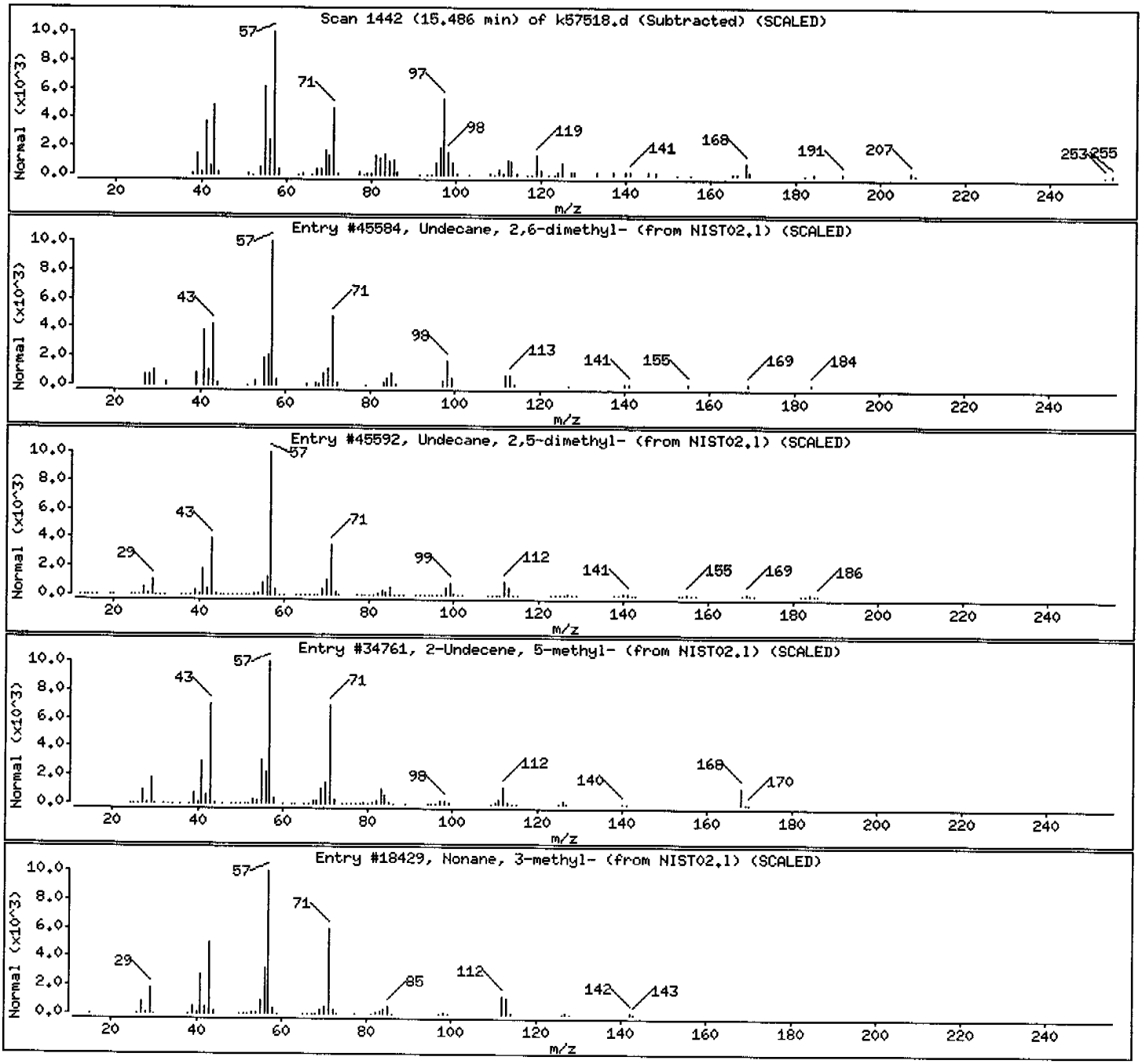
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45584	78	C13H28	184
Undecane, 2,5-dimethyl-	17301-22-3	NIST02.l	45592	46	C13H28	184
2-Undecene, 5-methyl-	56851-34-4	NIST02.l	34761	38	C12H24	168
Nonane, 3-methyl-	5911-04-6	NIST02.l	18429	35	C10H22	142



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Date : 07-OCT-2006 06:14

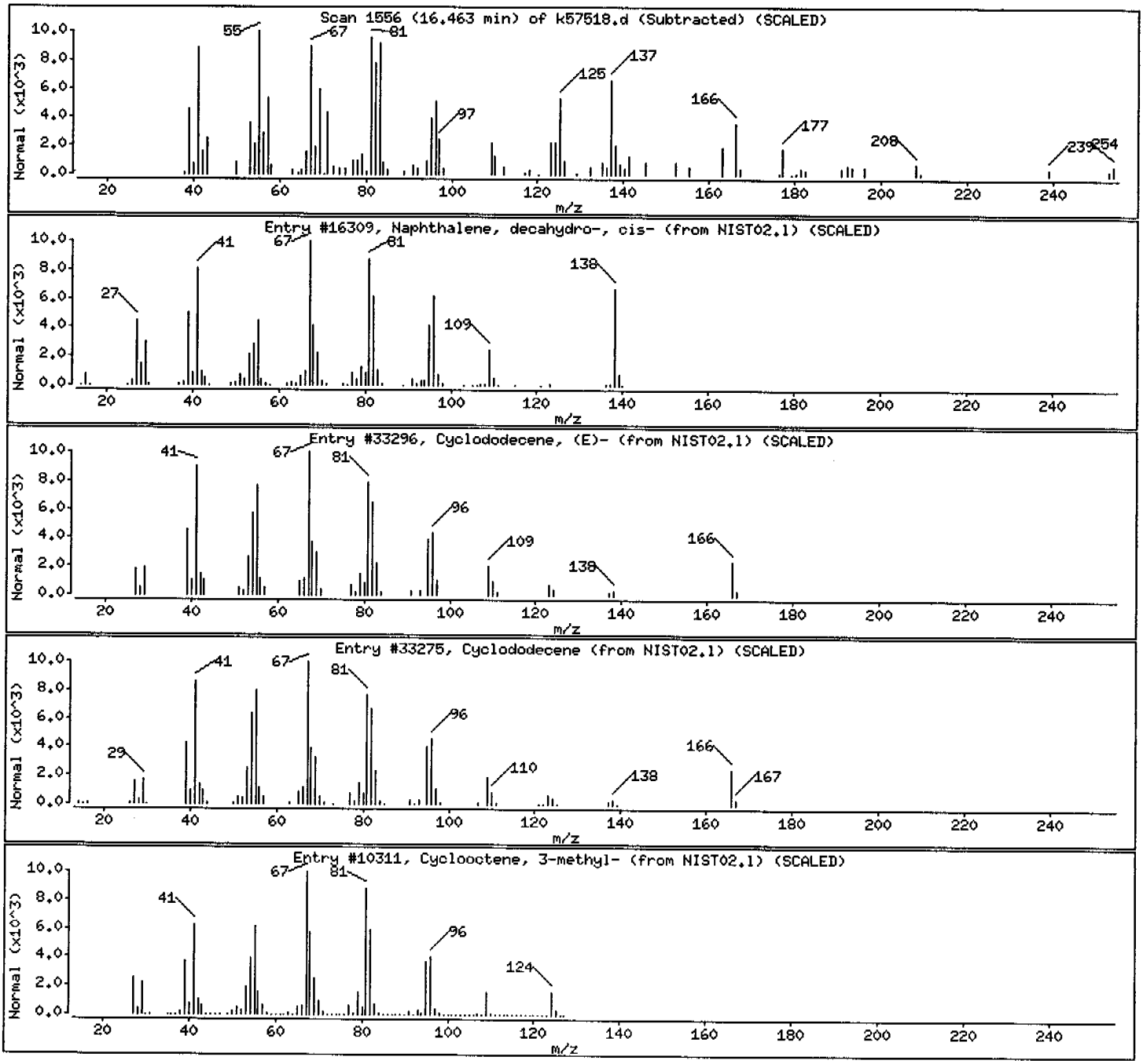
Client ID: B604-SS02 Instrument: VOAMS9.i

Sample Info: 775585;50;;5.83;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Naphthalene, decahydro-, cis-	493-01-6	NIST02.l	16309	60	C10H18	138
Cyclododecene, (E)-	1486-75-5	NIST02.l	33296	58	C12H22	166
Cyclododecene	1501-82-2	NIST02.l	33275	58	C12H22	166
Cyclooctene, 3-methyl-	13152-05-1	NIST02.l	10311	53	C9H16	124



Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57519.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	580
Bromomethane	ND	580
Vinyl Chloride	ND	580
Chloroethane	ND	580
Methylene Chloride	ND	350
Acetone	ND	580
Carbon Disulfide	ND	580
1,1-Dichloroethene	ND	230
1,1-Dichloroethane	ND	580
trans-1,2-Dichloroethene	ND	580
cis-1,2-Dichloroethene	ND	580
Chloroform	ND	580
1,2-Dichloroethane	ND	230
2-Butanone	ND	580
1,1,1-Trichloroethane	ND	580
Carbon Tetrachloride	ND	230
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	580
Trichloroethene	ND	120
Dibromochloromethane	ND	580
1,1,2-Trichloroethane	ND	350
Benzene	ND	120
trans-1,3-Dichloropropene	ND	580
Bromoform	ND	460
4-Methyl-2-Pentanone	ND	580
2-Hexanone	ND	580
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	580
Chlorobenzene	ND	580
Ethylbenzene	ND	460
Styrene	ND	580
Xylene (Total)	ND	580

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57519.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.3 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	12.71	1600	
2.	C10H20 Cycloalkane	13.37	2100	
3.	C11H24 Alkane	13.60	4600	
4.	C10H20 Cycloalkane	13.96	2400	
5.	Decahydronaphthalene isomer	14.46	4500	
6.	C11H22 Cycloalkane	14.64	4900	
7.	Decahydromethylnaphthalene isomer	15.04	4200	
8.	Decahydromethylnaphthalene isomer	15.27	3900	
9.	Decahydrodimethylnaphthalene isomer	15.79	1600	
10.	Decahydrodimethylnaphthalene isomer	16.44	2000	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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21.				
22.				
23.				
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25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	31800

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d
Report Date: 11-Oct-2006 12:13

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

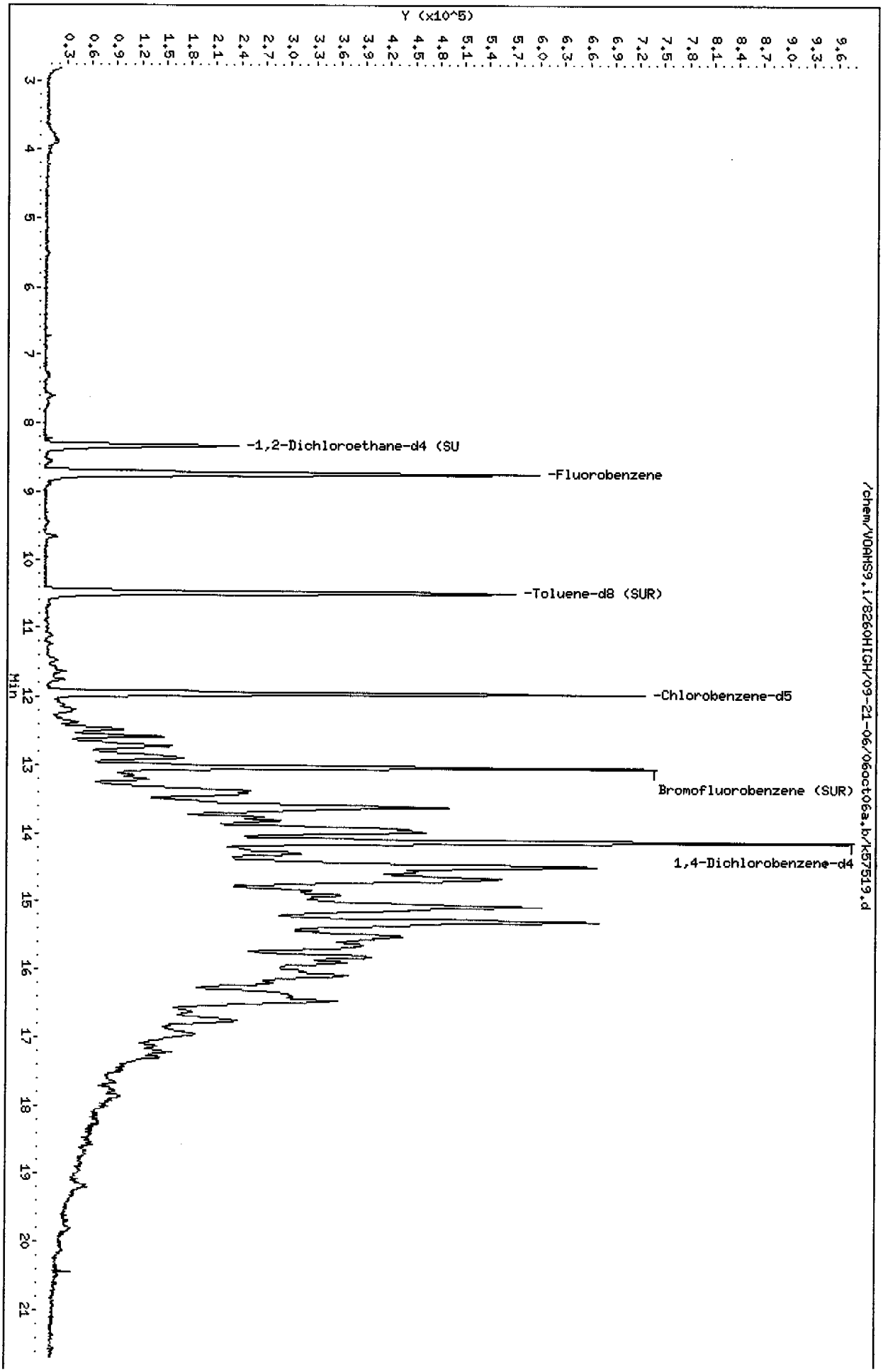
Data file : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d
Lab Smp Id: 775586 Client Smp ID: B604-SS03
Inj Date : 07-OCT-2006 06:43
Operator : VOAMS 4 Inst ID: VOAMS9.i
Smp Info : 775586;50;;5.34;10
Misc Info : X967;0946;;EM AT
Comment :
Method : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/8260H_05.m
Meth Date : 07-Oct-2006 00:53 eddie Quant Type: ISTD
Cal Date : 21-SEP-2006 05:23 Cal File: k57009.d
Als bottle: 15
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: HSLVOAv+10.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.34000	Weight of sample extracted (g)
M	19.40000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	8.321	8.319	(0.954)	300042	38.6851	4500
* 19 Fluorobenzene	96	8.721	8.729	(1.000)	1056537	50.0000	
$ 37 Toluene-d8 (SUR)	98	10.476	10.475	(0.878)	668413	48.0894	5600
* 32 Chlorobenzene-d5	117	11.936	11.936	(1.000)	721971	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.022	13.015	(0.924)	313210	55.8203	6500
* 91 1,4-Dichlorobenzene-d4	152	14.090	14.089	(1.000)	317679	50.0000	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Date : 07-OCT-2006 06:43
Client ID: B604-SS03
Sample Info: 775586;50;;5.34;10
Column phase: DB624
Instrument: VOAMS9.i
Operator: VOAMS 4
Column diameter: 0.53
Y (x10^5)
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

Client ID: B604-SS03

Instrument: VOAMS9.i

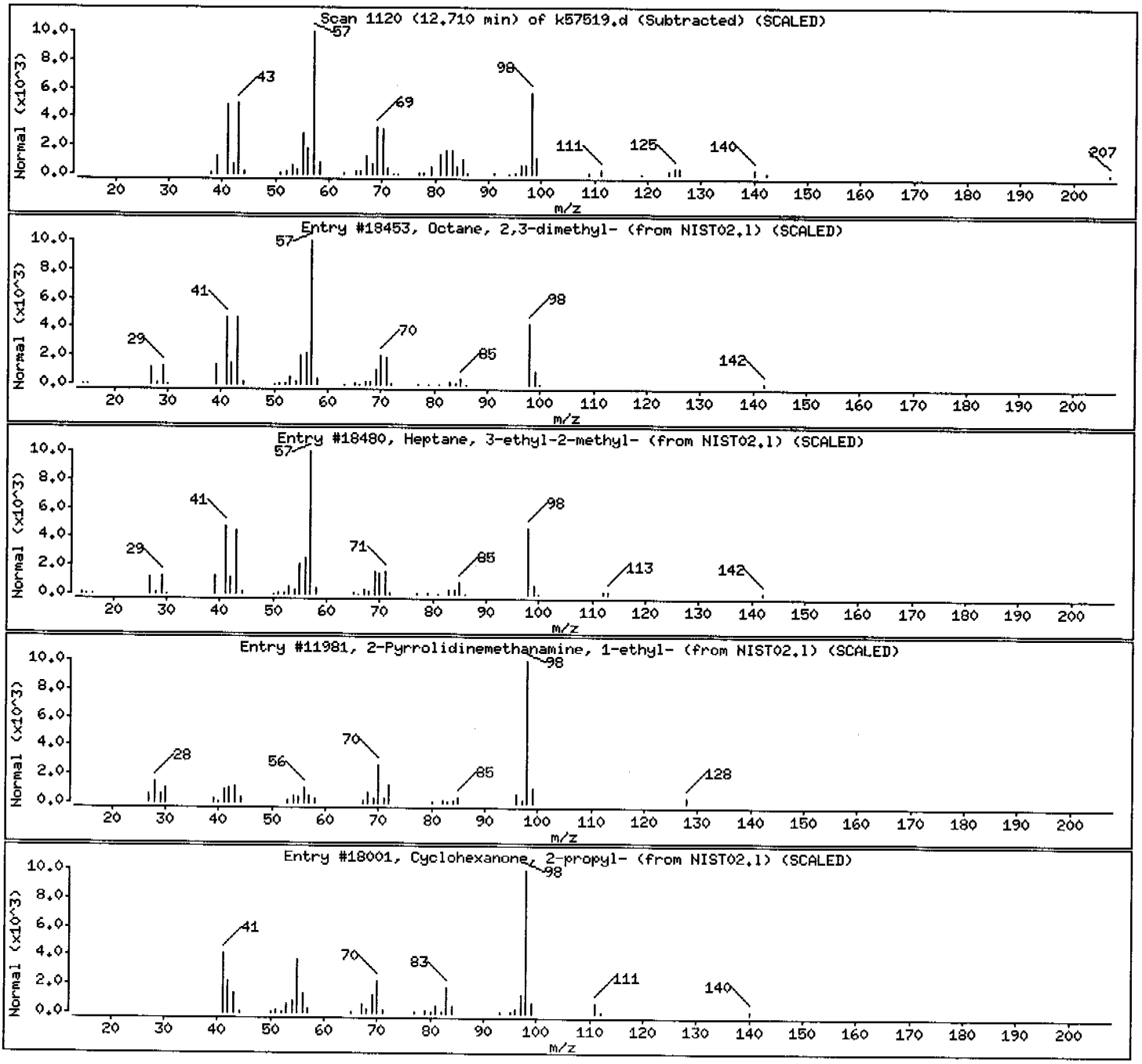
Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octane, 2,3-dimethyl-	7146-60-3	NIST02.l	18453	64	C10H22	142
Heptane, 3-ethyl-2-methyl-	14676-29-0	NIST02.l	18480	59	C10H22	142
2-Pyrrolidinemethanamine, 1-ethyl-	26116-12-1	NIST02.l	11981	50	C7H16N2	128
Cyclohexanone, 2-propyl-	94-65-5	NIST02.l	18001	47	C9H16O	140



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

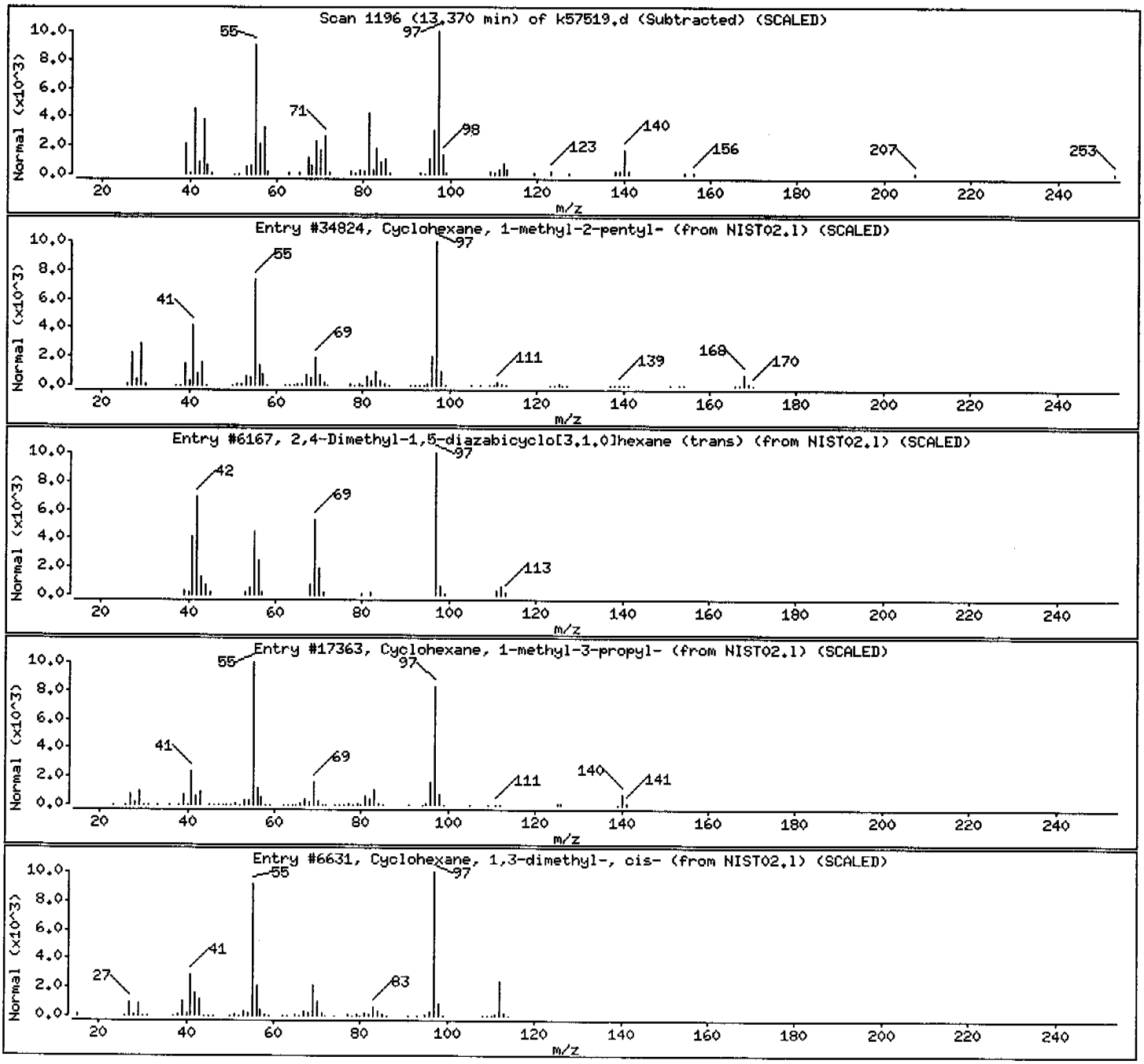
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
Cyclohexane, 1-methyl-2-pentyl-	54411-01-7	NIST02.l	34824	59	C12H24	168
2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexa	1000283-20-9	NIST02.l	6167	55	C6H12N2	112
Cyclohexane, 1-methyl-3-propyl-	4291-80-9	NIST02.l	17363	53	C10H20	140
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NIST02.l	6631	52	C8H16	112



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

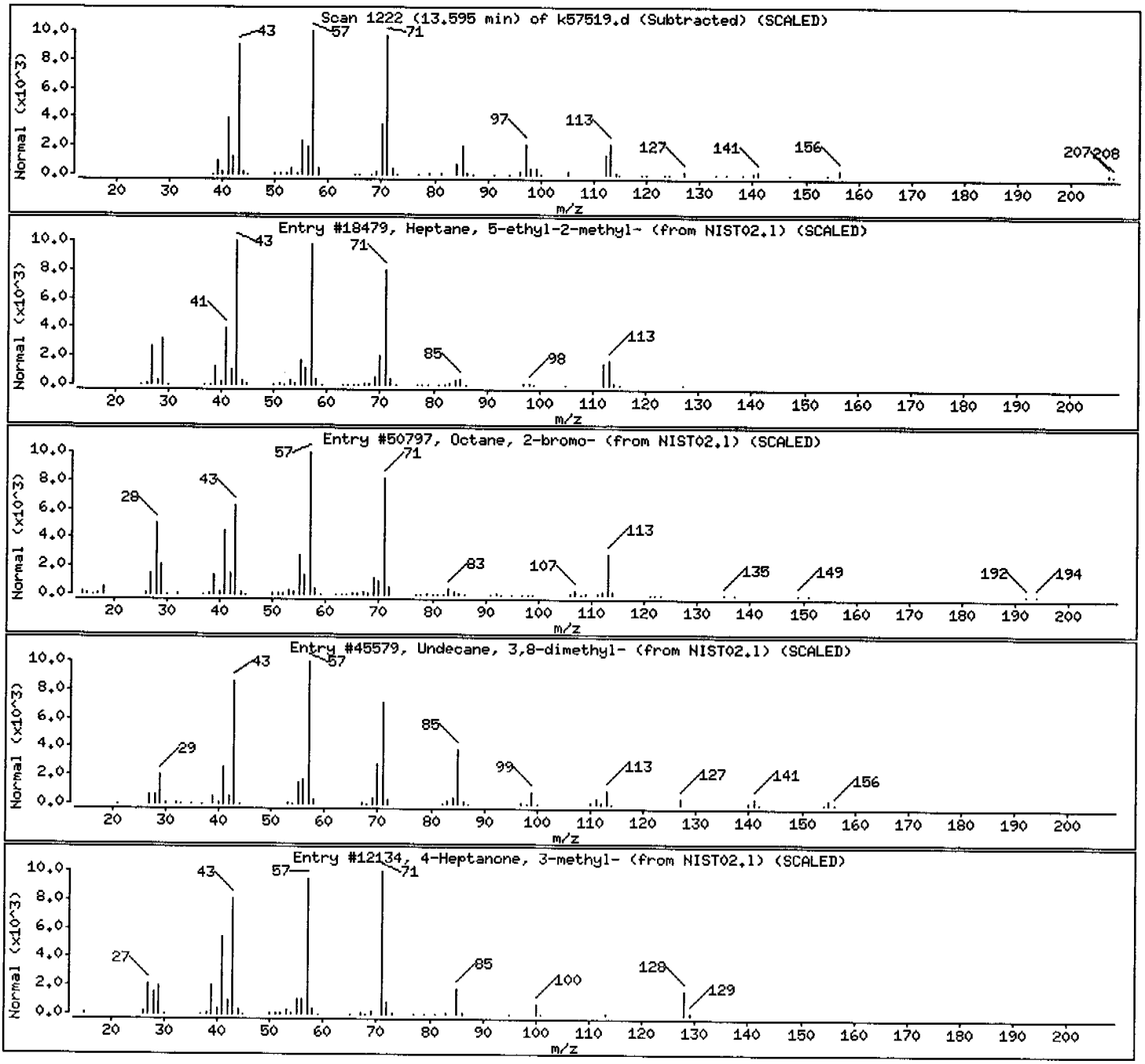
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Heptane, 5-ethyl-2-methyl-	13475-78-0	NIST02.l	18479	59	C10H22	142
Octane, 2-bromo-	557-35-7	NIST02.l	50797	50	C8H17Br	192
Undecane, 3,8-dimethyl-	17301-30-3	NIST02.l	45579	50	C13H28	184
4-Heptanone, 3-methyl-	15726-15-5	NIST02.l	12134	47	C8H16O	128



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

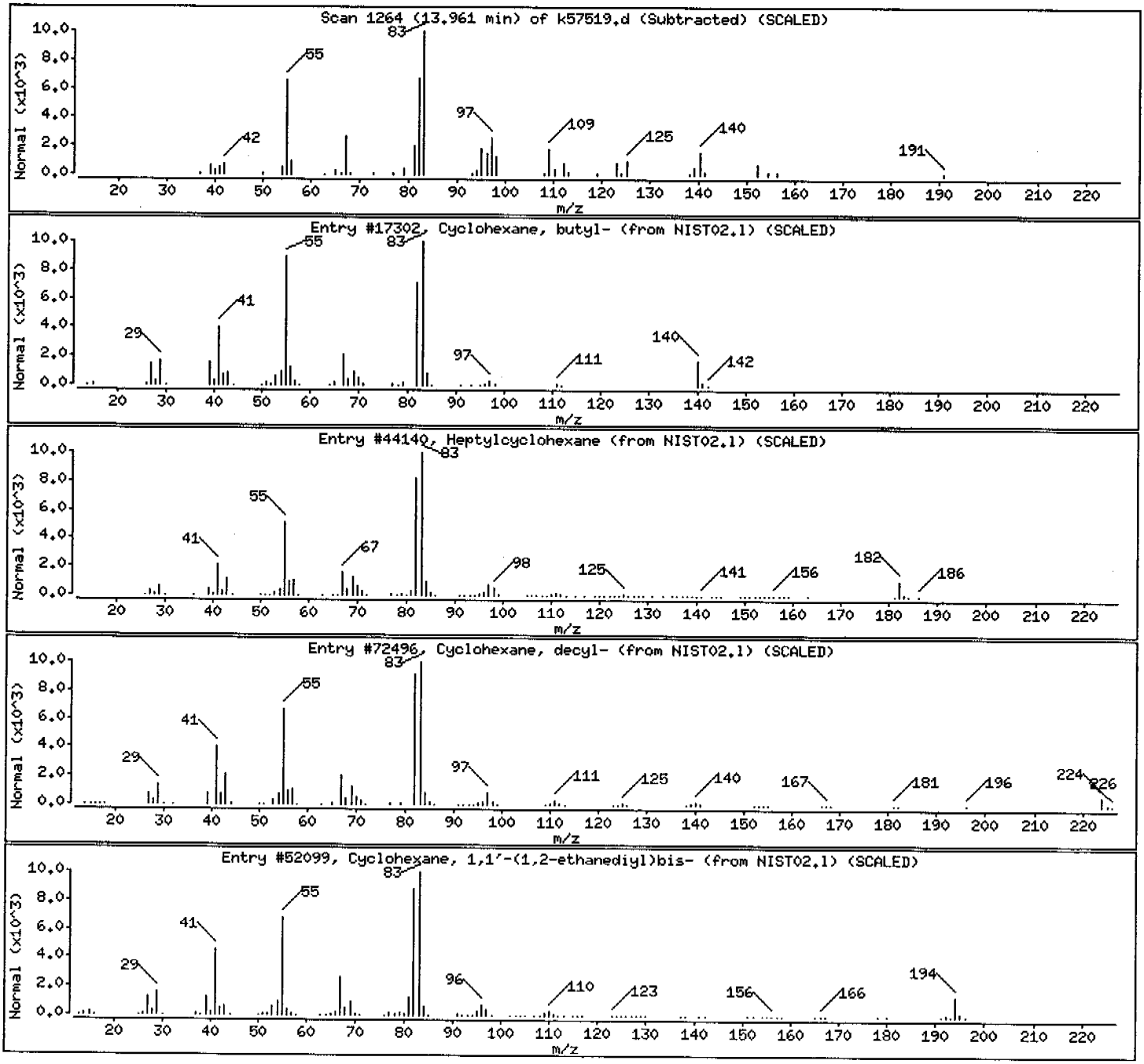
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H20 Cycloalkane						
Cyclohexane, butyl-	1678-93-9	NIST02.l	17302	64	C10H20	140
Heptylcyclohexane	5617-41-4	NIST02.l	44140	59	C13H26	182
Cyclohexane, decyl-	1795-16-0	NIST02.l	72496	59	C16H32	224
Cyclohexane, 1,1'-(1,2-ethanediyl)bis-	3321-50-4	NIST02.l	52099	59	C14H26	194



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

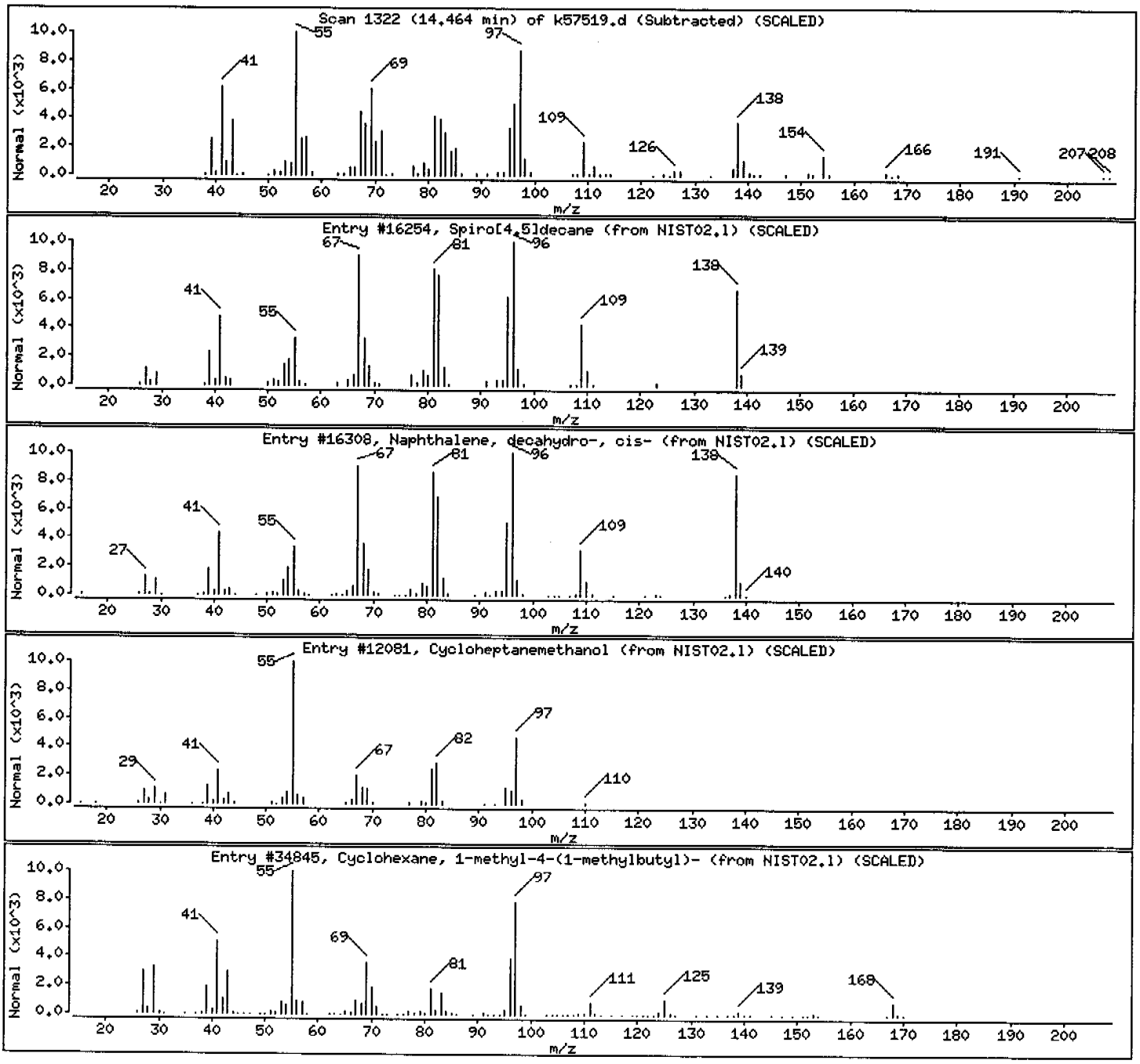
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
Spiro[4.5]decane	176-63-6	NIST02.l	16254	64	C10H18	138
Naphthalene, decahydro-, cis-	493-01-6	NIST02.l	16308	60	C10H18	138
Cycloheptanemethanol	4448-75-3	NIST02.l	12081	43	C8H16O	128
Cyclohexane, 1-methyl-4-(1-methylbutyl)-	54411-00-6	NIST02.l	34845	38	C12H24	168



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

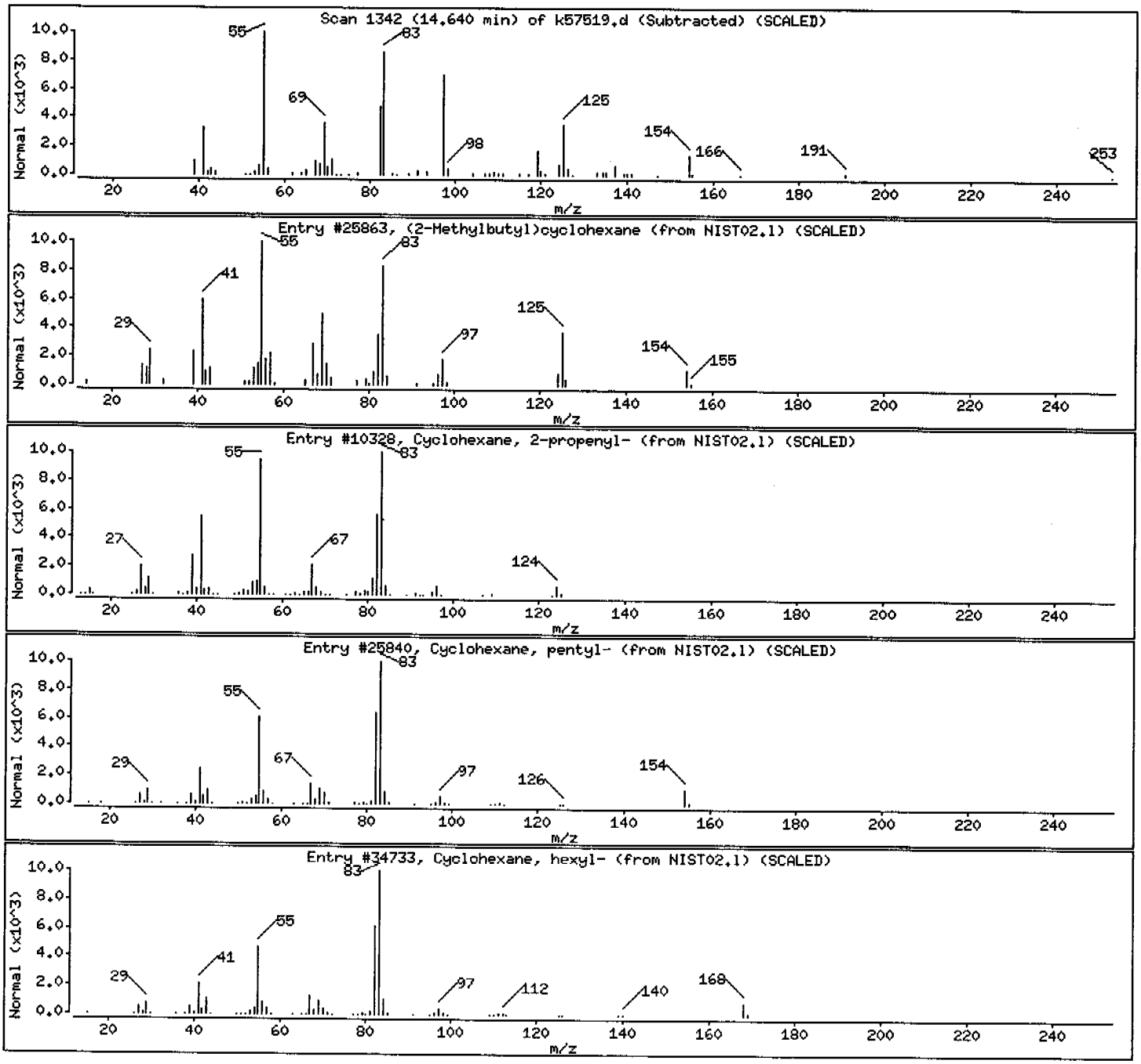
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H22 Cycloalkane						
(2-Methylbutyl)cyclohexane	54105-77-0	NIST02.l	25863	58	C11H22	154
Cyclohexane, 2-propenyl-	2114-42-3	NIST02.l	10328	47	C9H16	124
Cyclohexane, pentyl-	4292-92-6	NIST02.l	25840	47	C11H22	154
Cyclohexane, hexyl-	4292-75-5	NIST02.l	34733	37	C12H24	168



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

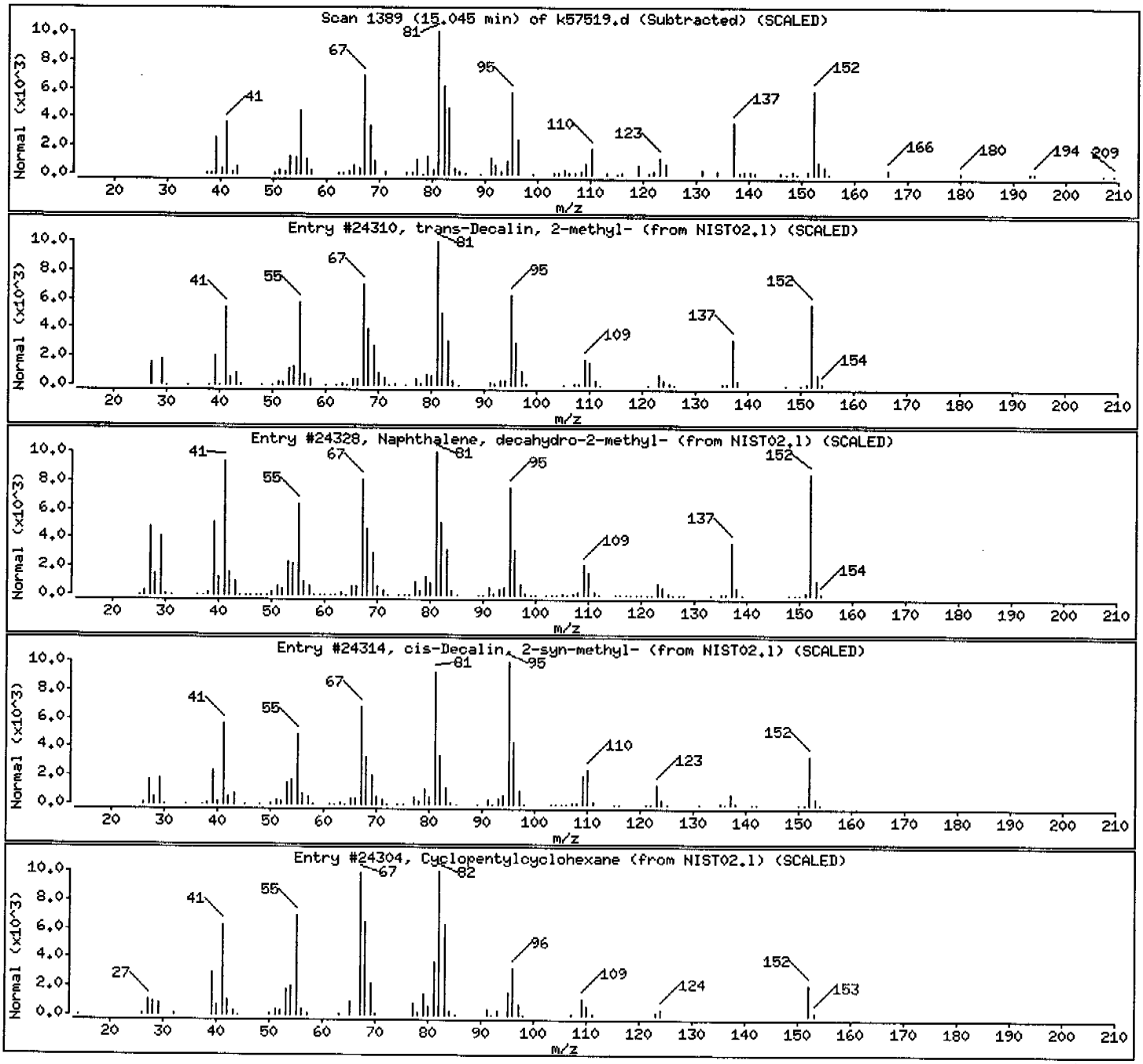
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	94	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	91	C11H20	152
cis-Decalin, 2-syn-methyl-	1000155-85-6	NIST02.l	24314	81	C11H20	152
Cyclopentylcyclohexane	1606-08-2	NIST02.l	24304	70	C11H20	152



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

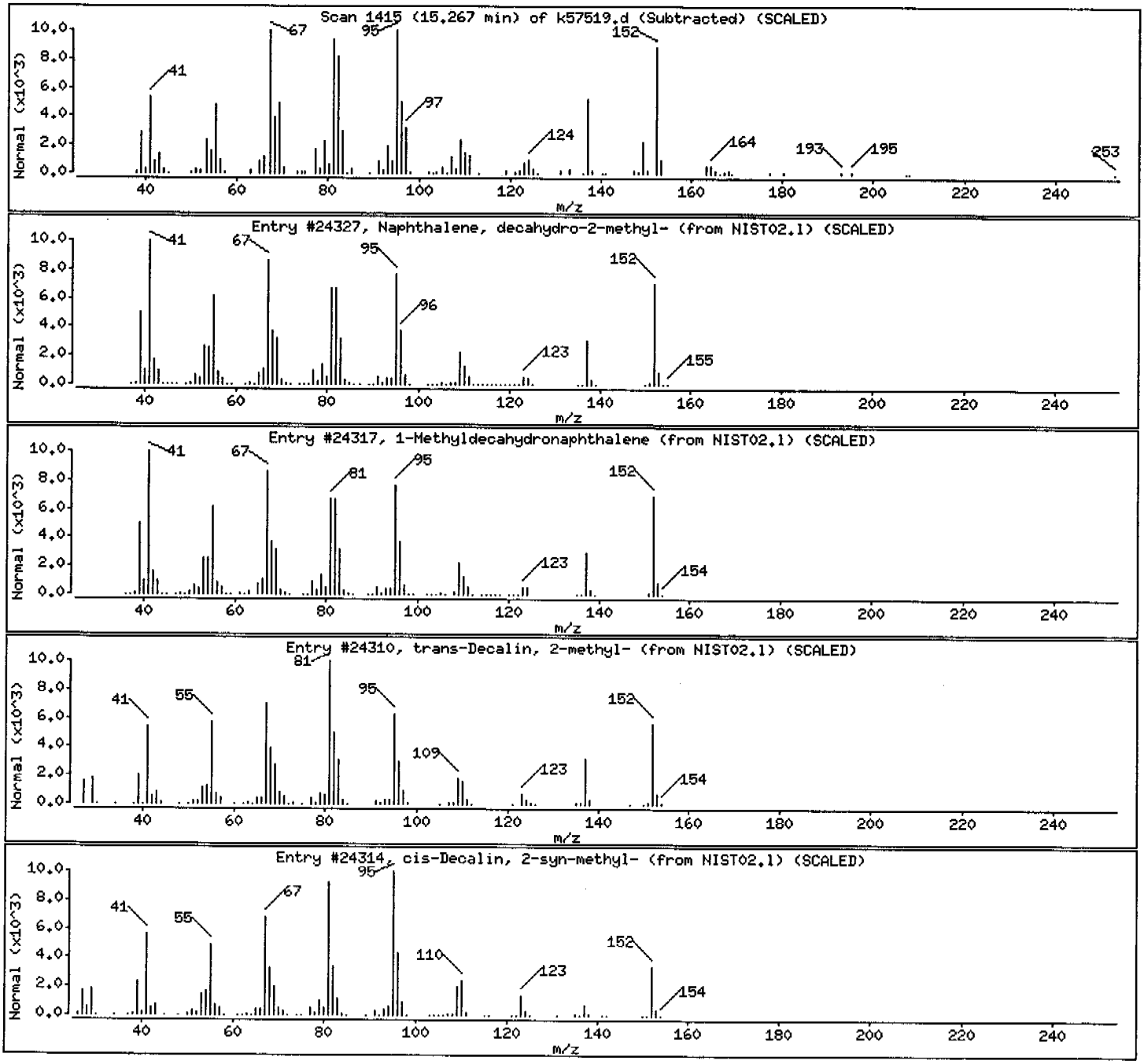
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24327	96	C11H20	152
1-Methyldecahydronaphthalene	2958-75-0	NIST02.l	24317	96	C11H20	152
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	81	C11H20	152
cis-Decalin, 2-syn-methyl-	1000155-85-6	NIST02.l	24314	68	C11H20	152



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

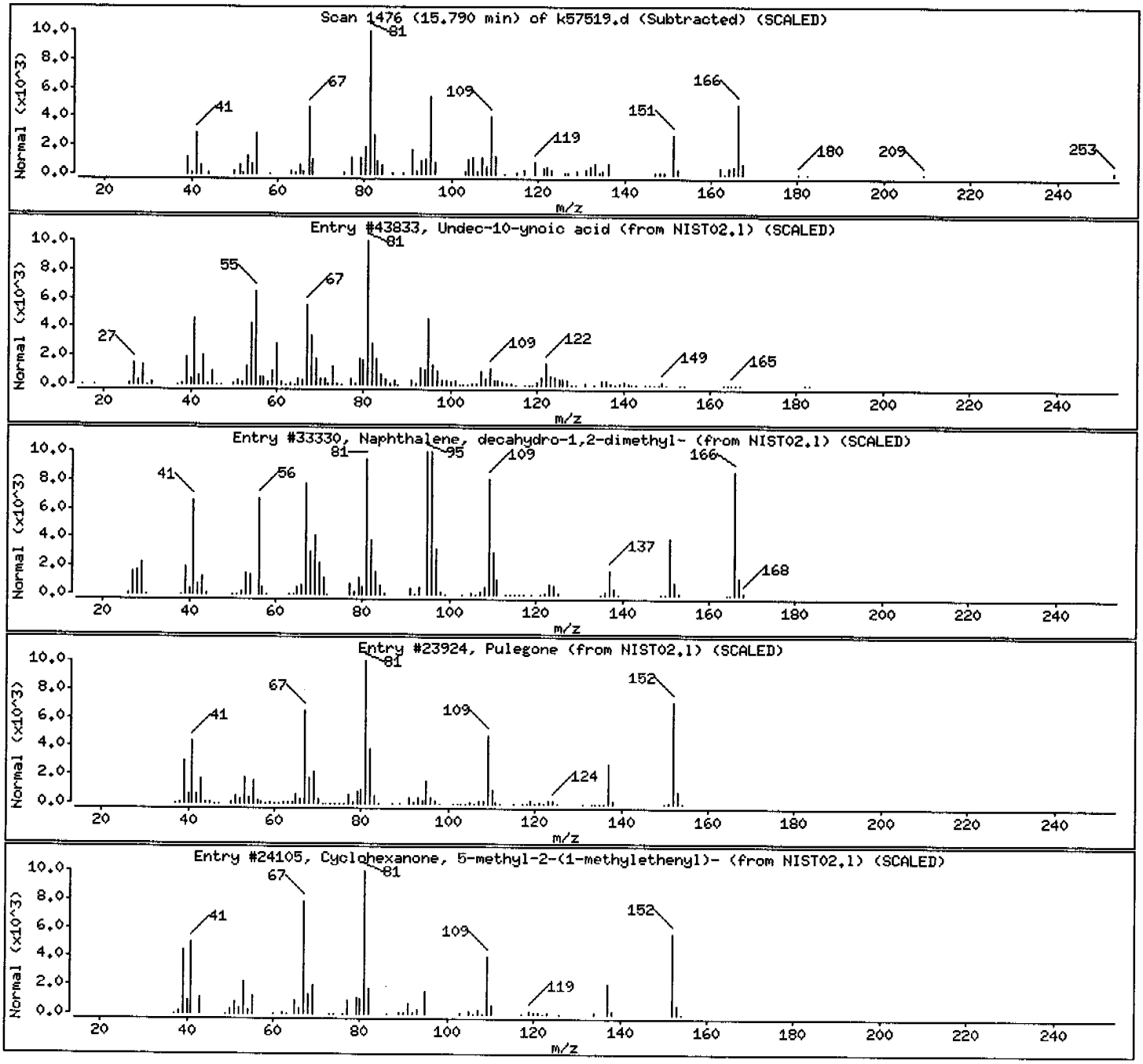
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydrodimethylnaphthalene isomer						
Undec-10-ynoic acid	2777-65-3	NIST02.l	43833	53	C11H18O2	182
Naphthalene, decahydro-1,2-dimethyl-	3604-14-6	NIST02.l	33330	49	C12H22	166
Pulegone	89-82-7	NIST02.l	23924	47	C10H16O	152
Cyclohexanone, 5-methyl-2-(1-methylethen	529-00-0	NIST02.l	24105	46	C10H16O	152



Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57519.d

Date : 07-OCT-2006 06:43

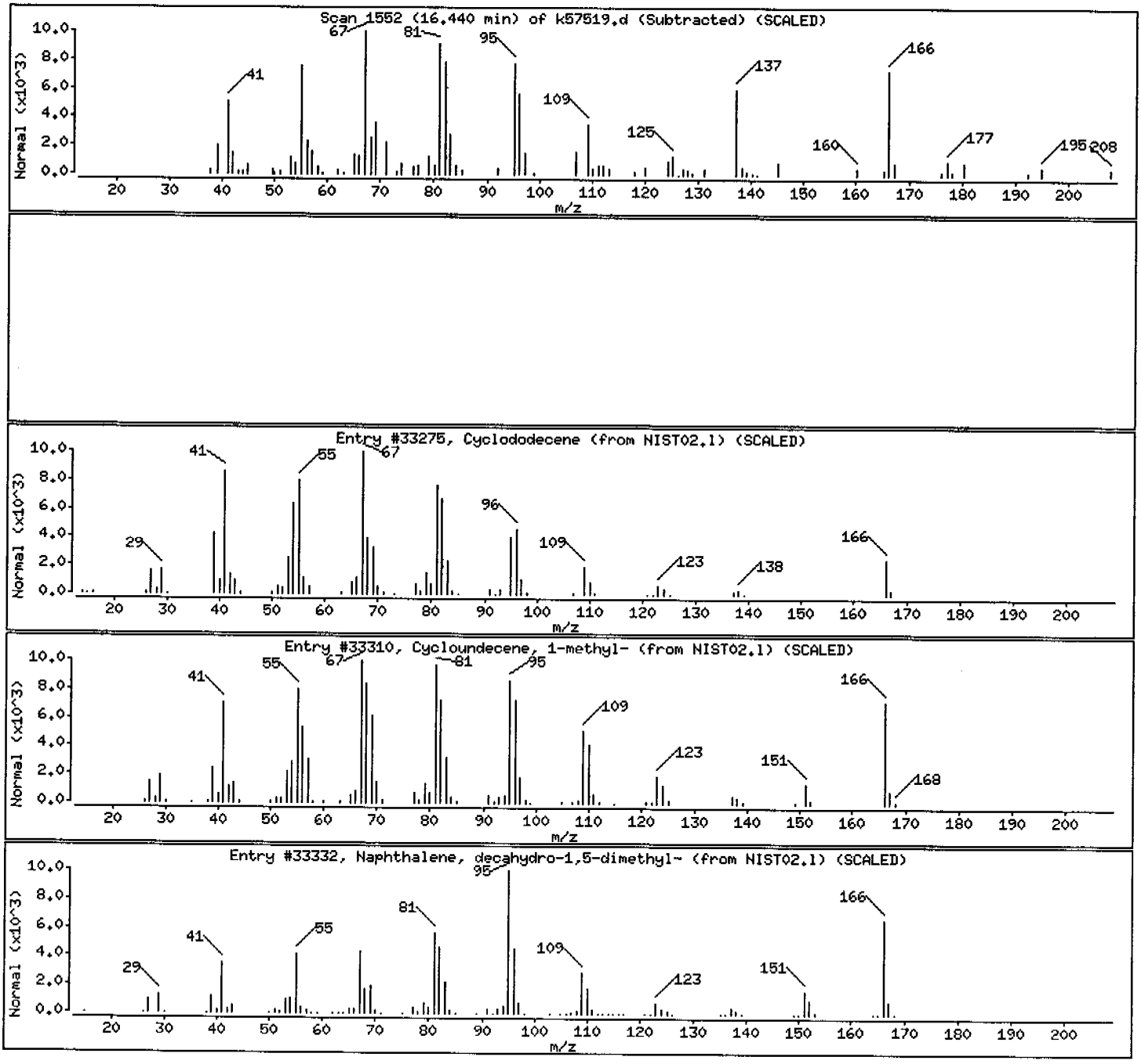
Client ID: B604-SS03 Instrument: VOAMS9.i

Sample Info: 775586;50;;5.34;10

Operator: VOAMS 4

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydrodimethylnaphthalene isomer						
Decahydrodimethylnaphthalene isomer			0	0		0
Cyclododecene	1501-82-2	NIST02.l	33275	90	C12H22	166
Cycloundecene, 1-methyl-	88828-82-4	NIST02.l	33310	90	C12H22	166
Naphthalene, decahydro-1,5-dimethyl-	66552-62-3	NIST02.l	33332	72	C12H22	166



Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: K57008

BFB Injection Date: 09/21/06

Instrument ID: VOAMS9

BFB Injection Time: 0448

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	46.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	56.1
175	5.0 - 9.0% of mass 174	3.5 (6.2)1
176	95.0 - 101.0% of mass 174	53.7 (95.8)1
177	5.0 - 9.0% of mass 176	3.3 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	KSTD050	KSTD050	K57009	09/21/06	0523
02	KSTD020	KSTD020	K57010	09/21/06	0559
03	KSTD005	KSTD005	K57012	09/21/06	0651
04	KSTD100	KSTD100	K57013	09/21/06	0717
05	KSTD200	KSTD200	K57014	09/21/06	0743
06					
07					
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09					
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17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/21sep06.b/k57008.d

Date : 21-SEP-2006 04:48

Client ID:

Instrument: VOAMS9.i

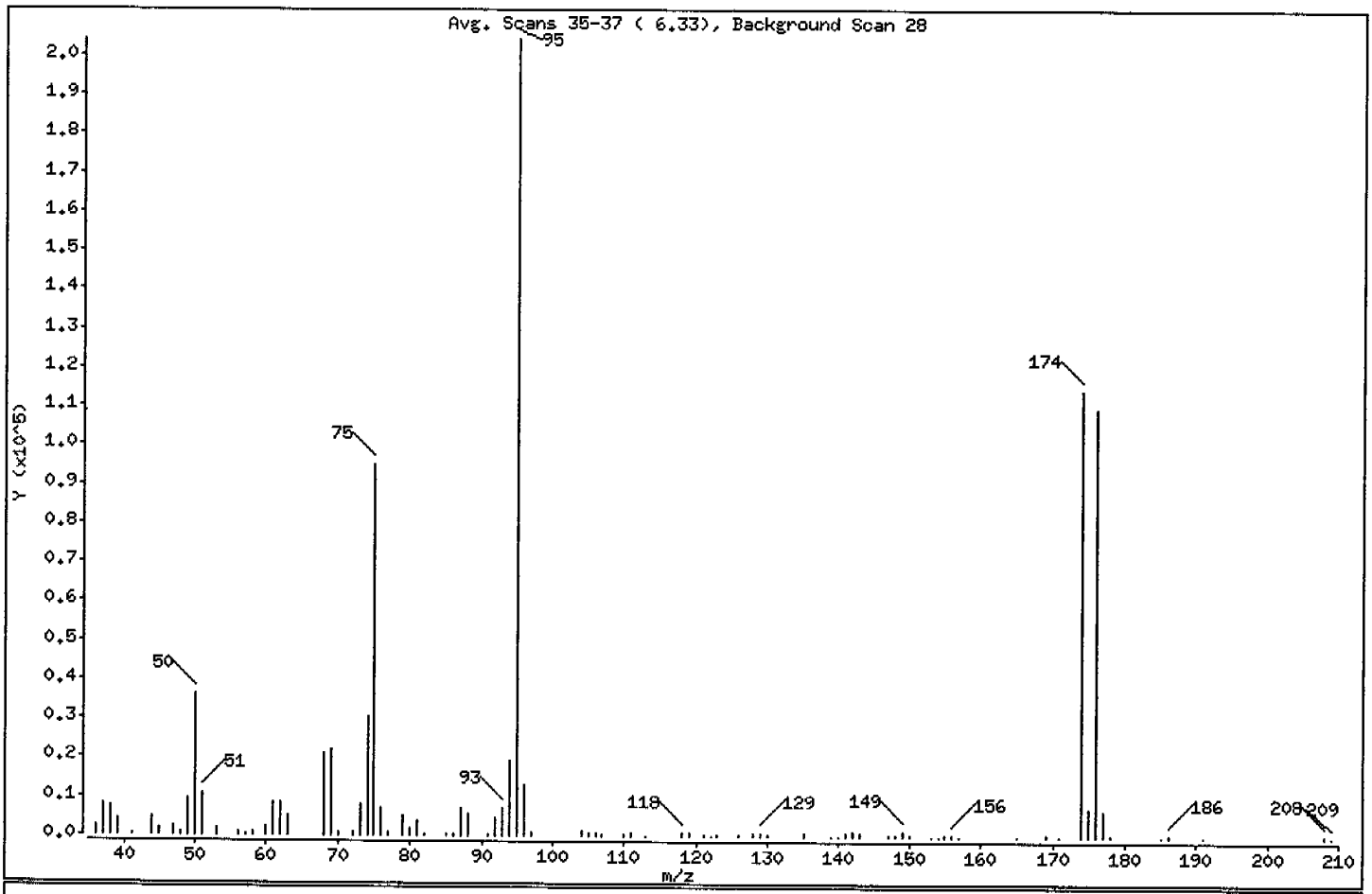
Sample Info: KBFB264 NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.73
75	30.00 - 60.00% of mass 95	46.44
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	56.08
175	5.00 - 9.00% of mass 174	3.47 (6.18)
176	95.00 - 101.00% of mass 174	53.75 (95.84)
177	5.00 - 9.00% of mass 176	3.34 (6.21)

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/21sep06.b/k57008.d

Date : 21-SEP-2006 04:48

Client ID:

Instrument: VOAMS9.i

Sample Info: KBFB264 NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: k57008.d
Spectrum: Avg. Scans 35-37 (6.33), Background Scan 28
Location of Maximum: 95.00
Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2567	72.00	1057	106.00	817	150.00	275
37.00	8159	73.00	7805	107.00	367	153.00	220
38.00	7498	74.00	30792	110.00	631	154.00	191
39.00	4208	75.00	94840	111.00	882	155.00	292
41.00	620	76.00	6910	113.00	211	156.00	359
44.00	4477	77.00	908	118.00	955	157.00	203
45.00	1697	79.00	5066	119.00	905	165.00	227
47.00	2585	80.00	1894	121.00	295	169.00	347
48.00	887	81.00	3942	122.00	189	171.00	222
49.00	9473	82.00	566	123.00	386	174.00	114536
50.00	36208	85.00	633	126.00	300	175.00	7077
51.00	10709	86.00	251	128.00	732	176.00	109768
53.00	1767	87.00	7091	129.00	991	177.00	6815
56.00	1125	88.00	5852	130.00	427	178.00	451
57.00	505	91.00	305	135.00	785	185.00	168
58.00	759	92.00	4885	139.00	94	186.00	257
60.00	2431	93.00	7157	140.00	99	191.00	167
61.00	8429	94.00	19296	141.00	742	208.00	502
62.00	8325	95.00	204224	142.00	1351	209.00	180
63.00	5324	96.00	13383	143.00	759		
68.00	21152	97.00	766	147.00	274		
69.00	22048	104.00	1287	148.00	500		
70.00	741	105.00	898	149.00	1390		

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/21sep06.b/k57008.d

Date : 21-SEP-2006 04:48

Client ID:

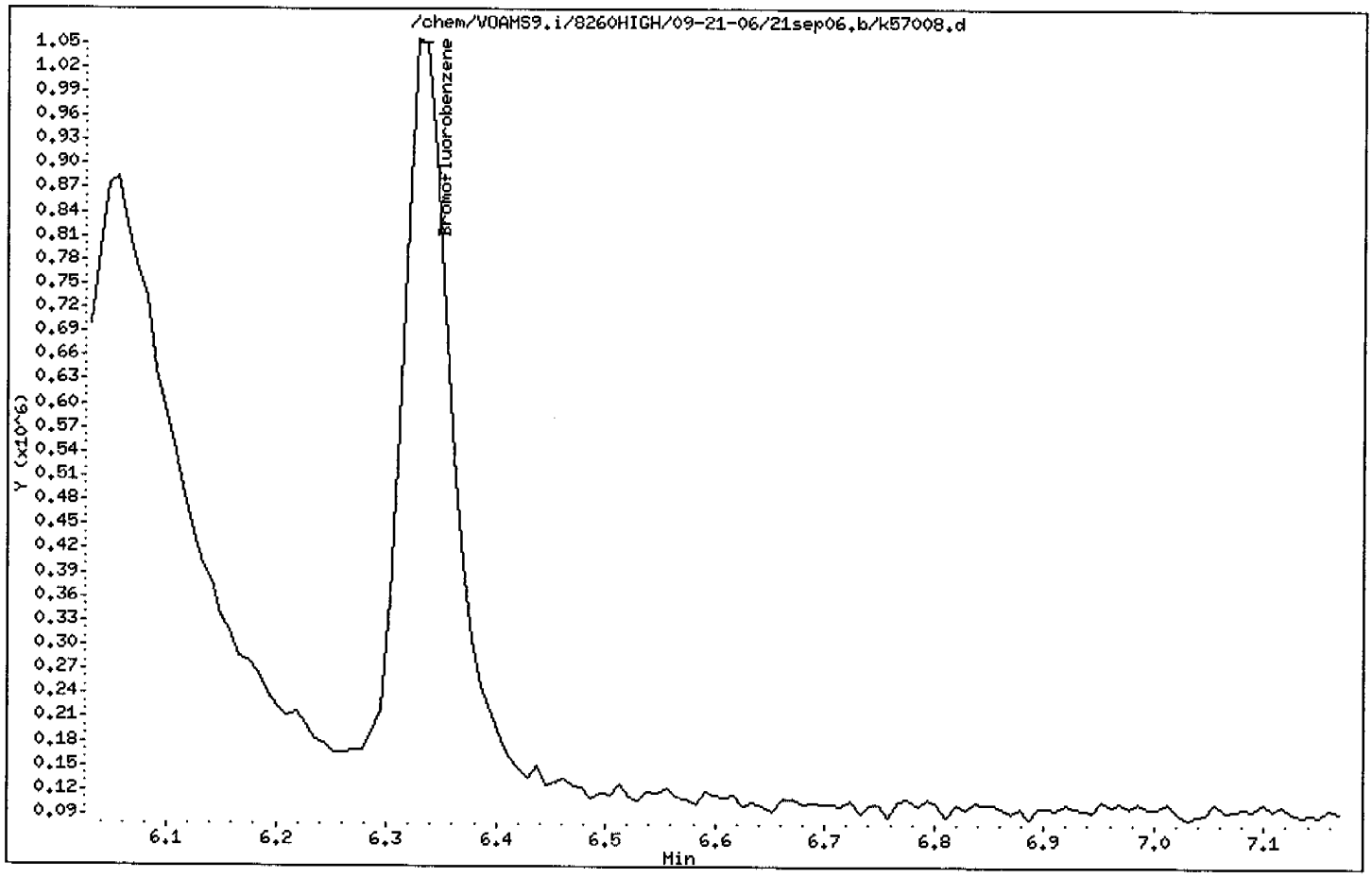
Instrument: VOAMS9.i

Sample Info: KBFB264 NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: K57503

BFB Injection Date: 10/06/06

Instrument ID: VOAMS9

BFB Injection Time: 2140

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	44.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	61.7
175	5.0 - 9.0% of mass 174	5.2 (8.5)1
176	95.0 - 101.0% of mass 174	59.8 (96.9)1
177	5.0 - 9.0% of mass 176	3.5 (5.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	KSTD279A	KSTD279A	K57505	10/07/06	0019
02	KV279A	KV279A	K57508	10/07/06	0140
03	B604-SS01	775584	K57517	10/07/06	0545
04	B604-SS02	775585	K57518	10/07/06	0614
05	B604-SS03	775586	K57519	10/07/06	0643
06	B604-SS02MS	775585MS	K57525	10/07/06	0937
07					
08					
09					
10					
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12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57503.d

Date : 06-OCT-2006 21:40

Client ID:

Instrument: VOAMS9.i

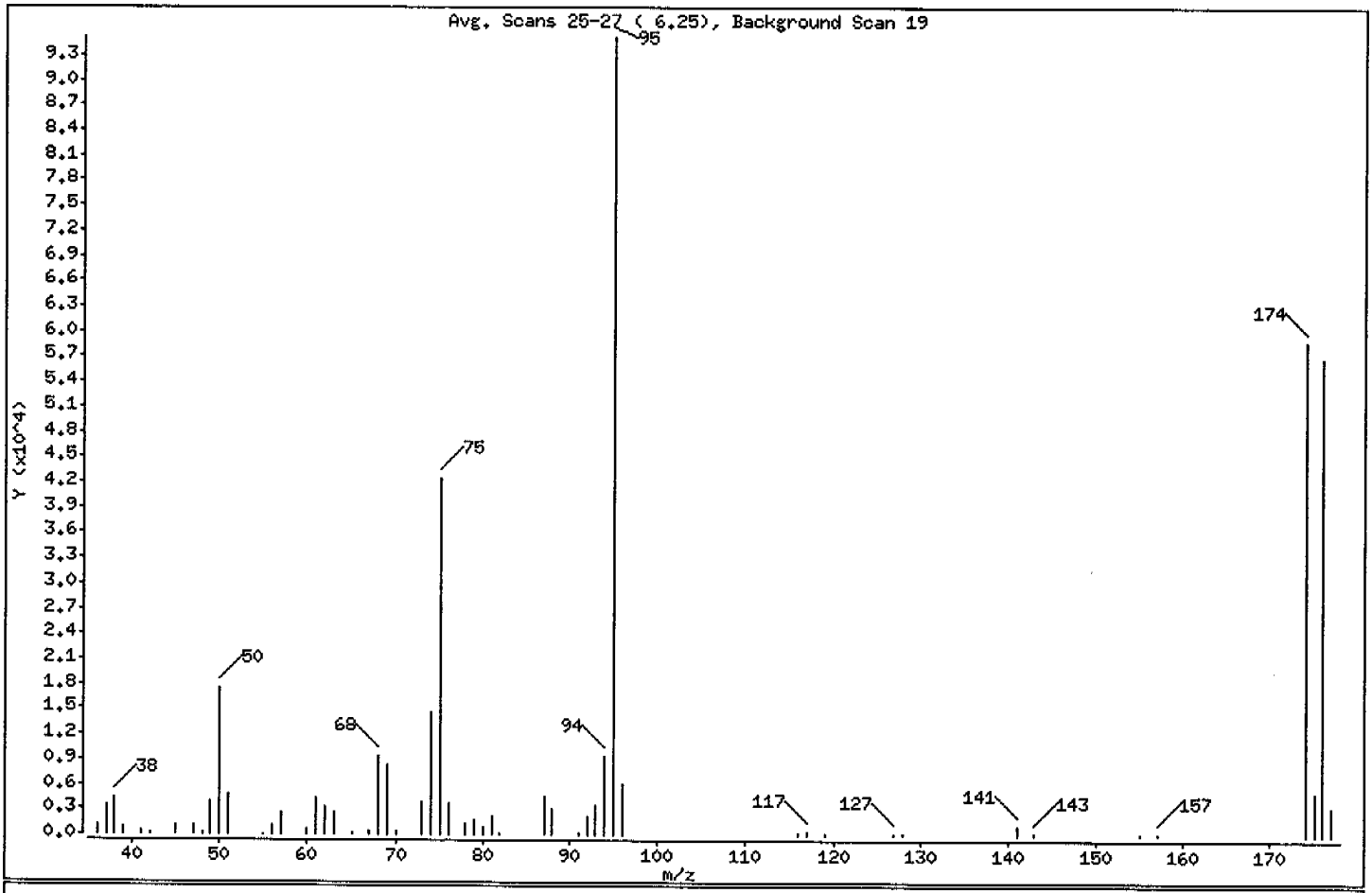
Sample Info: KBFB279A

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.31
75	30.00 - 60.00% of mass 95	44.61
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.74
175	5.00 - 9.00% of mass 174	5.22 (8.46)
176	95.00 - 101.00% of mass 174	59.79 (96.85)
177	5.00 - 9.00% of mass 176	3.49 (5.83)

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57503.d

Date : 06-OCT-2006 21:40

Client ID:

Instrument: VOAMS9.i

Sample Info: KBFB279A

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: k57503.d
Spectrum: Avg. Scans 25-27 (6.25), Background Scan 19
Location of Maximum: 95.00
Number of points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1041	57.00	2610	78.00	1244	117.00	496
37.00	3560	60.00	709	79.00	1727	119.00	179
38.00	4303	61.00	4343	80.00	784	127.00	274
39.00	843	62.00	3319	81.00	2227	128.00	228
41.00	449	63.00	2535	82.00	200	141.00	1002
42.00	178	65.00	219	87.00	4625	143.00	197
45.00	1185	67.00	345	88.00	3136	155.00	219
47.00	1048	68.00	9454	91.00	216	157.00	224
48.00	178	69.00	8350	92.00	2103	174.00	58752
49.00	3834	70.00	467	93.00	3587	175.00	4971
50.00	17424	73.00	4006	94.00	9316	176.00	56904
51.00	4714	74.00	14553	95.00	95168	177.00	3319
55.00	69	75.00	42456	96.00	6152		
56.00	1113	76.00	3732	116.00	231		

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57503.d

Date : 06-OCT-2006 21:40

Client ID:

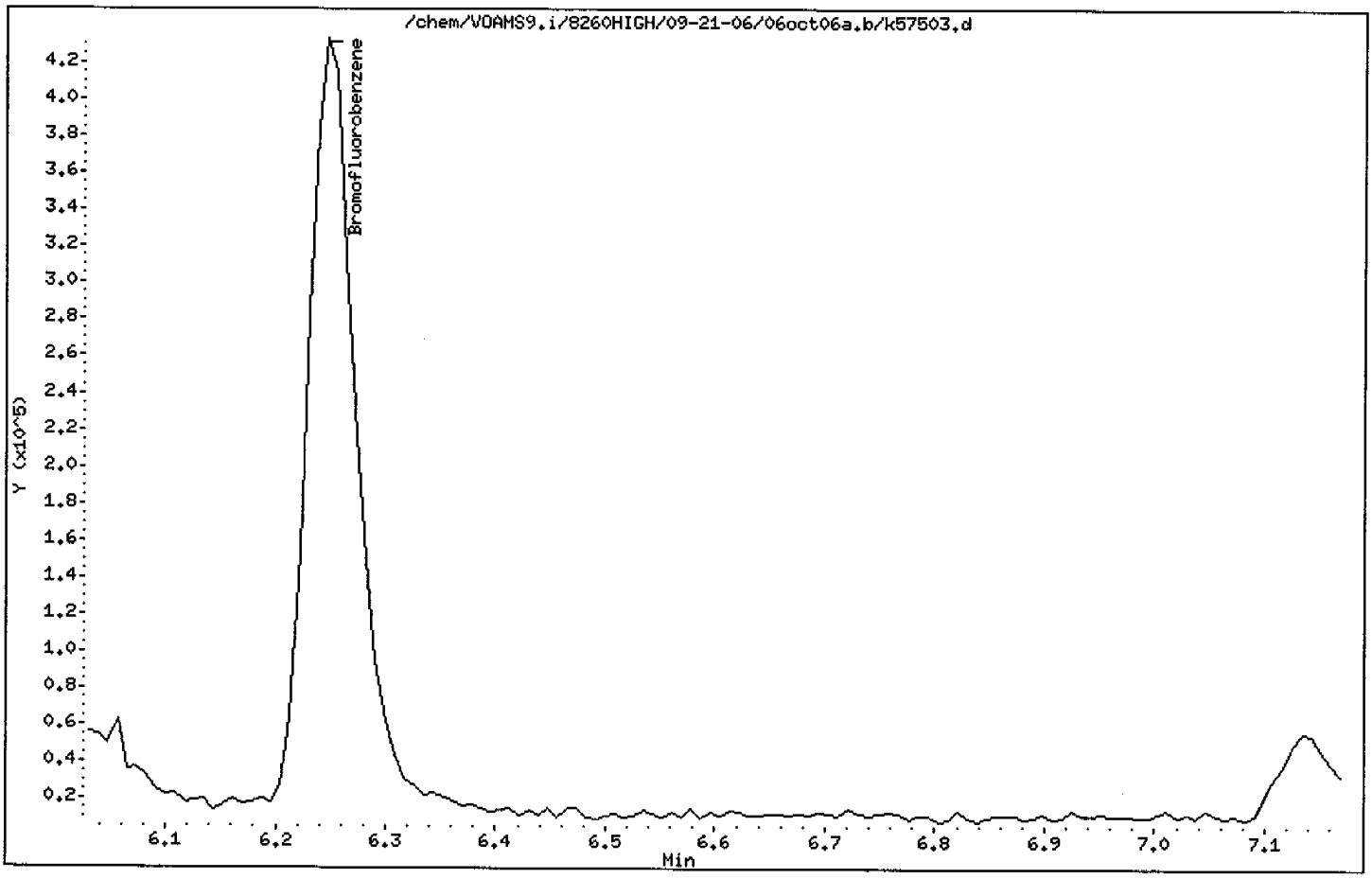
Instrument: VOAMS9.i

Sample Info: KBFB279A

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

KV279A

Matrix: SOIL

Level: HIGH

Lab File ID: K57508

Instrument ID: VOAMS9

Date Analyzed: 10/07/06

Time Analyzed: 0140

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	B604-SS01	775584	K57517	0545
02	B604-SS02	775585	K57518	0614
03	B604-SS03	775586	K57519	0643
04	B604-SS02MS	775585MS	K57525	0937
05				
06				
07				
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26				
27				
28				
29				
30				

COMMENTS:

Client ID: **KV279A**
Site:

Lab Sample No: **KV279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57508.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl Chloride	ND	500
Chloroethane	ND	500
Methylene Chloride	ND	300
Acetone	ND	500
Carbon Disulfide	ND	500
Trichlorofluoromethane	ND	500
1,1-Dichloroethene	ND	200
1,1-Dichloroethane	ND	500
trans-1,2-Dichloroethene	ND	500
cis-1,2-Dichloroethene	ND	500
Chloroform	ND	500
1,2-Dichloroethane	ND	200
2-Butanone	ND	500
1,1,1-Trichloroethane	ND	500
Carbon Tetrachloride	ND	200
Bromodichloromethane	ND	100
1,2-Dichloropropane	ND	100
cis-1,3-Dichloropropene	ND	500
Trichloroethene	ND	100
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	300
Benzene	ND	100
trans-1,3-Dichloropropene	ND	500
2-Chloroethyl Vinyl Ether	ND	500
Bromoform	ND	400
4-Methyl-2-Pentanone	ND	500
2-Hexanone	ND	500
Tetrachloroethene	ND	100
1,1,2,2-Tetrachloroethane	ND	100
Toluene	ND	500
Chlorobenzene	ND	500
Ethylbenzene	ND	400

Client ID: **KV279A**
Site:

Lab Sample No: **KV279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57508.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	500
Xylene (Total)	ND	500
Ethyl Ether	ND	500
Acrolein	ND	10000
Freon TF	ND	500
Isopropanol	ND	50000
Acetonitrile	ND	10000
TBA	ND	10000
Acrylonitrile	ND	5000
MTBE	ND	500
Hexane	ND	500
DIPE	ND	500
Ethyl Acetate	ND	1000
Vinyl Acetate	ND	500
Tetrahydrofuran	ND	500
Cyclohexane	ND	500
Isobutanol	ND	50000
Isopropyl Acetate	ND	1000
n-Heptane	ND	500
n-Butanol	ND	50000
Propyl Acetate	ND	1000
Butyl Acetate	ND	1000
1,2-Dibromoethane	ND	500
1,3-Dichlorobenzene	ND	500
1,4-Dichlorobenzene	ND	500
1,2-Dichlorobenzene	ND	500
Naphthalene	ND	500
Methylnaphthalene (total)	ND	500
Dimethylnaphthalene (total)	ND	500
1,1-Dichloropropene	ND	500
Hexachlorobutadiene	ND	500
1,4-Dioxane	ND	100000
Methyl Acrylate	ND	500
1,1,1,2-Tetrachloroethane	ND	500

Client ID: **KV279A**
Site:

Lab Sample No: **KV279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57508.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,3-Trichlorobenzene	ND	500
Dichlorodifluoromethane	ND	500
1,2,3-Trichloropropane	ND	500
1,2,4-Trimethylbenzene	ND	500
1,3,5-Trimethylbenzene	ND	500
Isopropylbenzene	ND	500
1,3-Dichloropropane	ND	500
2,2-Dichloropropane	ND	500
2-Chlorotoluene	ND	500
4-Chlorotoluene	ND	500
Bromobenzene	ND	500
1,2,4-Trichlorobenzene	ND	500
Bromochloromethane	ND	500
Dibromomethane	ND	500
n-Butylbenzene	ND	500
n-Propylbenzene	ND	500
p-Isopropyltoluene	ND	500
sec-Butylbenzene	ND	500
tert-Butylbenzene	ND	500
Allyl chloride	ND	500
Benzyl chloride	ND	500
Epichlorohydrin	ND	10000
Isoprene	ND	500
Methyl methacrylate	ND	500
n-Pentane	ND	500
Allyl alcohol	ND	100000
2-Octanol	ND	1000
2-Octanone	ND	500
Methyl Acetate	ND	500
Ethyl Acrylate	ND	500
Butyl Acrylate	ND	500
Methyl cyclohexane	ND	500
Butyl Methacrylate	ND	500
1,2-Dibromo-3-chloropropane	ND	500

Client ID: **KV279A**
Site:

Lab Sample No: **KV279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57508.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Ethyl methacrylate	ND	500
Ethanol	ND	50000
Cyclohexanone	ND	10000
p-Ethyltoluene	ND	500
1,4-Diethylbenzene	ND	500
1,2,4,5-Tetramethylbenzene	ND	500
Propylene Oxide	ND	5000
Camphene (total)	ND	2000
Camphor	ND	2000
Amyl Acetate	ND	1000
2-Methylnaphthalene	ND	500
1-Chlorohexane	ND	500
Chlorotrifluoromethane	ND	500
Chlorodifluoromethane	ND	500
tert-Amylmethyl Ether	ND	500
Iodomethane	ND	500
trans-1,4-Dichloro-2-butene	ND	500
Acetaldehyde	ND	1000
1,3,5-Trichlorobenzene	ND	500
1,2-Dichlorotrifluoroethane	ND	500
1-Bromo-2-chloroethane	ND	500
4-Chlorobenzotrifluoride	ND	500
2-Chloropropene	ND	500
tert-Butyl ethyl ether	ND	500

Client ID: **KV279A**
Site:

Lab Sample No: **KV279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/07/06
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k57508.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57508.d
Report Date: 11-Oct-2006 12:12

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57508.d
Lab Smp Id: KV279A Client Smp ID: KV279A
Inj Date : 07-OCT-2006 01:40
Operator : VOAMS 4 Inst ID: VOAMS9.i
Smp Info : KV279A
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/8260H_05.m
Meth Date : 07-Oct-2006 00:53 eddie Quant Type: ISTD
Cal Date : 21-SEP-2006 05:23 Cal File: k57009.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

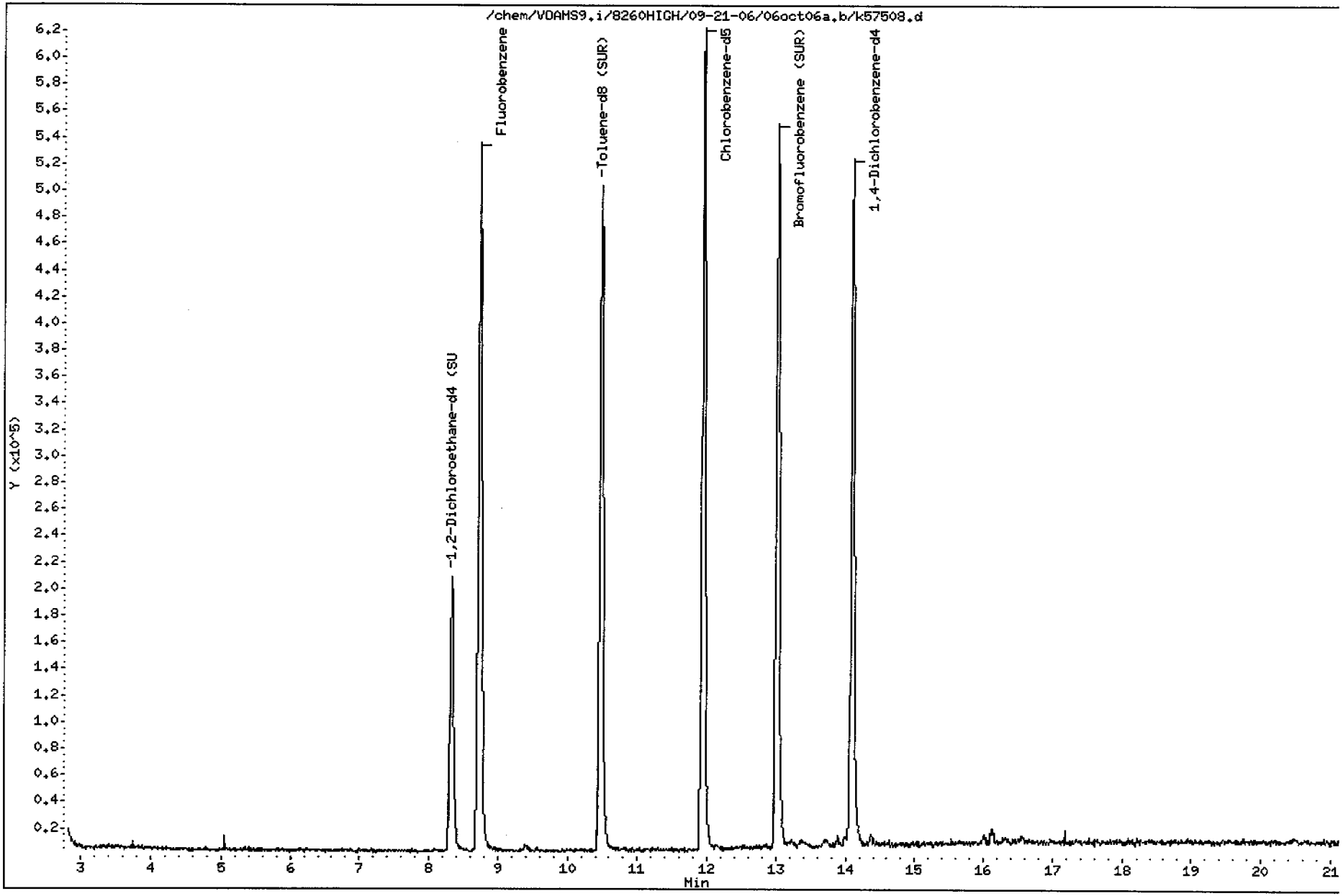
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	8.322	8.319	(0.954)	272385	39.6192	4000
* 19 Fluorobenzene	96	8.721	8.729	(1.000)	936535	50.0000	
$ 37 Toluene-d8 (SUR)	98	10.473	10.475	(0.878)	580708	48.5317	4800
* 32 Chlorobenzene-d5	117	11.932	11.936	(1.000)	621521	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.007	13.015	(0.924)	258407	57.6729	5800
* 91 1,4-Dichlorobenzene-d4	152	14.084	14.089	(1.000)	253675	50.0000	

Data File: /chem/VOAMS9.i/8260HIGH/09-21-06/06oct06a.b/k57508.d
Date : 07-OCT-2006 01:40
Client ID: KV279A
Sample Info: KV279A

Column phase: DB624

Instrument: VOAMS9.i

Operator: VOAMS 4
Column diameter: 0.53



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X967

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

LAB FILE ID: RRF5: K57012 RRF20: K57010 RRF50: K57009
RRF100: K57013 RRF200: K57014

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.156	0.136	0.130	0.130	0.144
Bromomethane	0.308	0.258	0.242	0.226	0.254
Vinyl Chloride	0.140	0.171	0.161	0.163	0.179
Chloroethane	0.131	0.131	0.131	0.132	0.146
Methylene Chloride	0.223	0.277	0.280	0.296	0.284
Acetone	0.089	0.068	0.049	0.054	0.064
Carbon Disulfide	0.595	0.714	0.704	0.615	0.752
Trichlorofluoromethane	0.599	0.589	0.553	0.597	0.644
1,1-Dichloroethene	0.226	0.234	0.233	0.259	0.249
1,1-Dichloroethane	0.497	0.475	0.502	0.522	0.494
trans-1,2-Dichloroethene	0.245	0.308	0.289	0.308	0.303
cis-1,2-Dichloroethene	0.295	0.322	0.321	0.336	0.316
Chloroform	0.638	0.679	0.664	0.714	0.677
1,2-Dichloroethane	0.381	0.422	0.443	0.462	0.452
2-Butanone	0.014	0.022	0.024	0.024	0.027
1,1,1-Trichloroethane	0.559	0.579	0.550	0.582	0.532
Carbon Tetrachloride	0.490	0.570	0.550	0.606	0.571
Bromodichloromethane	0.856	0.729	0.738	0.768	0.739
1,2-Dichloropropane	0.310	0.302	0.314	0.330	0.310
cis-1,3-Dichloropropene	0.517	0.551	0.556	0.560	0.554
Trichloroethene	0.352	0.360	0.376	0.554	0.373
Dibromochloromethane	0.698	0.719	0.784	0.869	0.769
1,1,2-Trichloroethane	0.335	0.330	0.339	0.376	0.340
Benzene	0.822	0.748	0.808	0.801	0.805
trans-1,3-Dichloropropene	0.584	0.606	0.628	0.675	0.638
2-Chloroethyl Vinyl Ether	0.125	0.150	0.151	0.142	0.180
Bromoform	0.439	0.501	0.517	0.594	0.540
4-Methyl-2-Pentanone	0.327	0.252	0.230	0.239	0.274
2-Hexanone	0.184	0.186	0.196	0.204	0.213
Tetrachloroethene	0.424	0.414	0.449	0.483	0.411
1,1,2,2-Tetrachloroethane	1.583	1.226	1.188	0.623	1.289
Toluene	0.991	1.049	1.109	1.148	1.075
Chlorobenzene	0.726	0.834	0.901	0.948	0.867
Ethylbenzene	0.286	0.340	0.347	0.382	0.339
Styrene	0.715	0.768	0.814	0.884	0.760
Xylene (Total)	0.406	0.451	0.481	0.500	0.448
Ethyl Ether	0.169	0.147	0.157	0.145	0.164
Acrolein	0.002	0.004	0.004	0.006	0.004
Freon TF	0.426	0.476	0.441	0.347	0.418

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

LAB FILE ID: RRF5: K57012 RRF20: K57010 RRF50: K57009
RRF100: K57013 RRF200: K57014

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile	0.016	0.016	0.014	0.017	0.015
TBA	0.020	0.021	0.020	0.020	0.022
Acrylonitrile	0.049	0.051	0.047	0.056	0.055
MTBE	0.709	0.723	0.653	0.624	0.718
Hexane					
DIPE	0.970	0.948	0.963	0.834	1.059
Ethyl Acetate	0.032	0.034	0.029	0.025	0.032
Vinyl Acetate	0.613	0.634	0.632	0.359	0.699
Tetrahydrofuran					
Cyclohexane	0.262	0.289	0.257	0.217	0.258
Isobutanol					
Isopropyl Acetate	0.554	0.571	0.534	0.512	0.616
n-Heptane					
n-Butanol					
Propyl Acetate	0.446	0.432	0.410	0.354	0.486
Butyl Acetate	0.581	0.602	0.563	0.540	0.685
1,2-Dibromoethane	0.578	0.629	0.646	0.709	0.631
1,3-Dichlorobenzene	1.280	1.208	1.273	1.342	1.256
1,4-Dichlorobenzene	1.518	1.607	1.510	1.654	1.483
1,2-Dichlorobenzene	1.222	1.316	1.321	1.456	1.327
Naphthalene	1.091	1.280	1.240	1.395	1.319
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
1,1-Dichloropropene	0.340	0.433	0.432	0.455	0.430
Hexachlorobutadiene	0.444	0.474	0.523	0.448	0.377
1,4-Dioxane	0.002	0.003	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.425	0.475	0.503	0.536	0.504
1,2,3-Trichlorobenzene	0.456	0.528	0.494	0.533	0.495
Dichlorodifluoromethane	0.332	0.313	0.282	0.299	0.326
1,2,3-Trichloropropane	0.261	0.349	0.360	0.405	0.365
1,2,4-Trimethylbenzene	1.802	1.900	1.909	2.087	1.865
1,3,5-Trimethylbenzene	1.886	1.931	1.894	2.011	1.787
Isopropylbenzene	1.112	1.124	1.203	1.278	1.129
1,3-Dichloropropane	0.640	0.612	0.637	0.729	0.642
2,2-Dichloropropane	0.492	0.451	0.426	0.424	0.386
2-Chlorotoluene	2.203	2.288	2.180	2.437	2.245
4-Chlorotoluene	2.312	2.259	2.431	2.397	2.319

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

LAB FILE ID: RRF5: K57012 RRF20: K57010 RRF50: K57009
RRF100: K57013 RRF200: K57014

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Bromobenzene	0.856	0.892	0.899	0.968	0.933
1,2,4-Trichlorobenzene	0.557	0.700	0.676	0.729	0.658
Bromochloromethane	0.204	0.203	0.230	0.235	0.225
Dibromomethane	0.345	0.352	0.379	0.403	0.369
n-Butylbenzene	1.479	1.781	1.866	1.818	1.622
n-Propylbenzene	2.502	2.735	2.743	2.929	2.748
p-Isopropyltoluene	1.842	1.936	1.976	2.065	1.760
sec-Butylbenzene	2.231	2.298	2.275	2.367	2.092
tert-Butylbenzene	1.781	1.869	1.896	1.945	1.778
Allyl chloride					
Benzyl chloride	1.681	1.674	1.694	1.530	1.752
Epichlorohydrin	0.030	0.028	0.027	0.028	0.032
Isoprene	0.198	0.189	0.202	0.181	0.223
Methyl methacrylate	0.273	0.269	0.249	0.223	0.269
n-Pentane	0.011	0.024	0.015	0.016	0.020
Allyl alcohol					
2-Octanol					
2-Octanone					
Methyl Acetate	0.257	0.252	0.212	0.188	0.258
Ethyl Acrylate					
Butyl Acrylate					
Methyl cyclohexane	0.241	0.277	0.265	0.215	0.260
Butyl Methacrylate					
1,2-Dibromo-3-chloropropane	0.307	0.264	0.310	0.342	0.308
Ethyl methacrylate					
Ethanol					
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

LAB FILE ID: RRF5: K57012 RRF20: K57010 RRF50: K57009
RRF100: K57013 RRF200: K57014

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether					
1,2-Dichloroethane-d4 (SUR)	0.352	0.354	0.355	0.394	0.381
Toluene-d8 (SUR)	0.919	0.922	0.997	1.007	0.968
Bromofluorobenzene (SUR)	0.793	0.883	0.904	0.913	0.923

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.13938453	7.8**
Bromomethane	AVRG	0.25764111	11.9*
Vinyl Chloride	AVRG	0.16272186	8.9*
Chloroethane	AVRG	0.13416786	5.0*
Methylene Chloride	AVRG	0.27192417	10.4*
Acetone	AVRG	0.06470364	24.1*
Carbon Disulfide	AVRG	0.67600176	10.0*
Trichlorofluoromethane	AVRG	0.59639864	5.4*
1,1-Dichloroethene	AVRG	0.24036268	5.6*
1,1-Dichloroethane	AVRG	0.49794663	3.4**
trans-1,2-Dichloroethene	AVRG	0.29059216	9.2*
cis-1,2-Dichloroethene	AVRG	0.31808549	4.6*
Chloroform	AVRG	0.67425649	4.0*
1,2-Dichloroethane	AVRG	0.43221566	7.4*
2-Butanone	AVRG	0.02256719	21.6*
1,1,1-Trichloroethane	AVRG	0.56052159	3.7*
Carbon Tetrachloride	AVRG	0.55767959	7.6*
Bromodichloromethane	AVRG	0.76573017	6.8*
1,2-Dichloropropane	AVRG	0.31307167	3.3*
cis-1,3-Dichloropropene	AVRG	0.54750789	3.2*
Trichloroethene	AVRG	0.40315333	21.1*
Dibromochloromethane	AVRG	0.76794382	8.7*
1,1,2-Trichloroethane	AVRG	0.34411993	5.3*
Benzene	AVRG	0.79696307	3.5*
trans-1,3-Dichloropropene	AVRG	0.62634705	5.5*
2-Chloroethyl Vinyl Ether	AVRG	0.14980476	13.4*
Bromoform	AVRG	0.51840974	10.9**
4-Methyl-2-Pentanone	AVRG	0.26472534	14.6*
2-Hexanone	AVRG	0.19655292	6.1*
Tetrachloroethene	AVRG	0.43627194	6.9*
1,1,2,2-Tetrachloroethane	AVRG	1.18187007	29.5**
Toluene	AVRG	1.07458814	5.6*
Chlorobenzene	AVRG	0.85520118	9.8**
Ethylbenzene	AVRG	0.33879763	10.1*
Styrene	AVRG	0.78807191	8.1*
Xylene (Total)	AVRG	0.45723198	7.9*
Ethyl Ether	AVRG	0.15645812	6.6*
Acrolein	AVRG	0.00412717	29.1*
Freon TF	AVRG	0.42174817	11.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.01558367	8.5*
TBA	AVRG	0.02063129	5.9*
Acrylonitrile	AVRG	0.05184156	7.2*
MTBE	AVRG	0.68534642	6.5*
Hexane	AVRG		
DIPE	AVRG	0.95480528	8.4*
Ethyl Acetate	AVRG	0.03048554	10.7*
Vinyl Acetate	AVRG	0.58768246	22.4*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.25648897	10.0*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.55731615	7.1*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.42559276	11.4*
Butyl Acetate	AVRG	0.59424102	9.4*
1,2-Dibromoethane	AVRG	0.63864552	7.4*
1,3-Dichlorobenzene	AVRG	1.27173340	3.8*
1,4-Dichlorobenzene	AVRG	1.55428339	4.7*
1,2-Dichlorobenzene	AVRG	1.32838818	6.3*
Naphthalene	AVRG	1.26498480	8.9*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
1,1-Dichloropropene	AVRG	0.41805605	10.7*
Hexachlorobutadiene	AVRG	0.45326671	11.7*
1,4-Dioxane	AVRG	0.00269708	8.3*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.48859022	8.5*
1,2,3-Trichlorobenzene	AVRG	0.50140008	6.2*
Dichlorodifluoromethane	AVRG	0.31048891	6.6*
1,2,3-Trichloropropane	AVRG	0.34810797	15.2*
1,2,4-Trimethylbenzene	AVRG	1.91263735	5.6*
1,3,5-Trimethylbenzene	AVRG	1.90171801	4.3*
Isopropylbenzene	AVRG	1.16886653	6.0*
1,3-Dichloropropane	AVRG	0.65193350	6.9*
2,2-Dichloropropane	AVRG	0.43569739	8.9*
2-Chlorotoluene	AVRG	2.27079713	4.5*
4-Chlorotoluene	AVRG	2.34375619	3.0*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Bromobenzene	AVRG	0.90973687	4.7*
1,2,4-Trichlorobenzene	AVRG	0.66388201	9.9*
Bromochloromethane	AVRG	0.21958294	6.9*
Dibromomethane	AVRG	0.36991541	6.2*
n-Butylbenzene	AVRG	1.71329001	9.3*
n-Propylbenzene	AVRG	2.73149488	5.6*
p-Isopropyltoluene	AVRG	1.91586106	6.2*
sec-Butylbenzene	AVRG	2.25243003	4.5*
tert-Butylbenzene	AVRG	1.85382373	3.9*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	1.66637181	4.9*
Epichlorohydrin	AVRG	0.02904718	7.4*
Isoprene	AVRG	0.19833220	8.0*
Methyl methacrylate	AVRG	0.25639467	8.2*
n-Pentane	AVRG	0.01714692	28.1*
Allyl alcohol	AVRG		
2-Octanol	AVRG		
2-Octanone	AVRG		
Methyl Acetate	AVRG	0.23322352	13.6*
Ethyl Acrylate	AVRG		
Butyl Acrylate	AVRG		
Methyl cyclohexane	AVRG	0.25172137	9.6*
Butyl Methacrylate	AVRG		
1,2-Dibromo-3-chloropropane	AVRG	0.30610870	9.0*
Ethyl methacrylate	AVRG		
Ethanol	AVRG		
Cyclohexanone	AVRG		
p-Ethyltoluene	AVRG		
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
Propylene Oxide	AVRG		
Camphene (total)	AVRG		
Camphor	AVRG		
Amyl Acetate	AVRG		
2-Methylnaphthalene	AVRG		
1-Chlorohexane	AVRG		
Chlorotrifluoromethane	AVRG		
Chlorodifluoromethane	AVRG		
tert-Amylmethyl Ether	AVRG		

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Calibration Time(s): 0523 0743

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Iodomethane	AVRG		
trans-1,4-Dichloro-2-butene	AVRG		
Acetaldehyde	AVRG		
1,3,5-Trichlorobenzene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG		
1-Bromo-2-chloroethane	AVRG		
4-Chlorobenzotrifluoride	AVRG		
2-Chloropropene	AVRG		
tert-Butyl ethyl ether	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.36704898	5.2*
Toluene-d8 (SUR)	AVRG	0.96260063	4.2*
Bromofluorobenzene (SUR)	AVRG	0.88313070	6.0*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date: 10/07/06 Time: 0019

Lab File ID: K57505 Init. Calib. Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Init. Calib. Times: 0523 0743

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.139	0.113	0.1	18.7	50.0
Bromomethane	0.258	0.178		31.0	50.0
Vinyl Chloride	0.163	0.151		7.4	20.0
Chloroethane	0.134	0.115		14.2	50.0
Methylene Chloride	0.272	0.248		8.8	50.0
Acetone	0.065	0.047		27.7	50.0
Carbon Disulfide	0.676	0.538		20.4	50.0
Trichlorofluoromethane	0.596	0.404		32.2	50.0
1,1-Dichloroethene	0.240	0.195		18.8	20.0
1,1-Dichloroethane	0.498	0.432	0.1	13.2	50.0
trans-1,2-Dichloroethene	0.291	0.252		13.4	50.0
cis-1,2-Dichloroethene	0.318	0.294		7.5	50.0
Chloroform	0.674	0.583		13.5	20.0
1,2-Dichloroethane	0.432	0.387		10.4	50.0
2-Butanone	0.022	0.020		9.1	50.0
1,1,1-Trichloroethane	0.560	0.450		19.6	50.0
Carbon Tetrachloride	0.557	0.438		21.4	50.0
Bromodichloromethane	0.766	0.613		20.0	50.0
1,2-Dichloropropane	0.313	0.282		9.9	20.0
cis-1,3-Dichloropropene	0.548	0.485		11.5	50.0
Trichloroethene	0.403	0.330		18.1	50.0
Dibromochloromethane	0.768	0.734		4.4	50.0
1,1,2-Trichloroethane	0.344	0.365		-6.1	50.0
Benzene	0.797	0.707		11.3	50.0
trans-1,3-Dichloropropene	0.626	0.626		0.0	50.0
2-Chloroethyl Vinyl Ether	0.150	0.090		40.0	50.0
Bromoform	0.518	0.510	0.1	1.5	50.0
4-Methyl-2-Pentanone	0.264	0.214		18.9	50.0
2-Hexanone	0.197	0.196		0.5	50.0
Tetrachloroethene	0.436	0.443		-1.6	50.0
1,1,2,2-Tetrachloroethane	1.182	1.410	0.3	-19.3	50.0
Toluene	1.074	1.112		-3.5	20.0
Chlorobenzene	0.855	0.869	0.3	-1.6	50.0
Ethylbenzene	0.339	0.350		-3.2	20.0
Styrene	0.788	0.773		1.9	50.0
Xylene (Total)	0.457	0.439		3.9	50.0
Ethyl Ether	0.156	0.150		3.8	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date: 10/07/06 Time: 0019

Lab File ID: K57505 Init. Calib. Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Init. Calib. Times: 0523 0743

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.004	0.003		25.0	50.0
Freon TF	0.422	0.332		21.3	50.0
Isopropanol					50.0
Acetonitrile	0.016	0.015		6.2	50.0
TBA	0.021	0.015		28.6	50.0
Acrylonitrile	0.052	0.050		3.8	50.0
MTBE	0.685	0.606		11.5	50.0
Hexane					50.0
DIPE	0.955	0.884		7.4	50.0
Ethyl Acetate	0.030	0.026		13.3	50.0
Vinyl Acetate	0.587	0.565		3.7	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.257	0.222		13.6	50.0
Isobutanol					50.0
Isopropyl Acetate	0.557	0.499		10.4	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.426	0.370		13.1	50.0
Butyl Acetate	0.594	0.611		-2.9	50.0
1,2-Dibromoethane	0.639	0.660		-3.3	50.0
1,3-Dichlorobenzene	1.272	1.286		-1.1	50.0
1,4-Dichlorobenzene	1.554	1.672		-7.6	50.0
1,2-Dichlorobenzene	1.328	1.380		-3.9	50.0
Naphthalene	1.265	0.959		24.2	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
1,1-Dichloropropene	0.418	0.372		11.0	50.0
Hexachlorobutadiene	0.453	0.315		30.5	50.0
1,4-Dioxane	0.003	0.002		33.3	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.489	0.509		-4.1	50.0
1,2,3-Trichlorobenzene	0.501	0.366		26.9	50.0
Dichlorodifluoromethane	0.310	0.242		21.9	50.0
1,2,3-Trichloropropane	0.348	0.390		-12.1	50.0
1,2,4-Trimethylbenzene	1.913	1.936		-1.2	50.0
1,3,5-Trimethylbenzene	1.902	1.938		-1.9	50.0
Isopropylbenzene	1.169	1.028		12.1	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date: 10/07/06 Time: 0019

Lab File ID: K57505 Init. Calib. Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Init. Calib. Times: 0523 0743

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3-Dichloropropane	0.652	0.688		-5.5	50.0
2,2-Dichloropropane	0.436	0.358		17.9	50.0
2-Chlorotoluene	2.271	2.377		-4.7	50.0
4-Chlorotoluene	2.344	2.401		-2.4	50.0
Bromobenzene	0.910	1.026		-12.7	50.0
1,2,4-Trichlorobenzene	0.664	0.544		18.1	50.0
Bromochloromethane	0.219	0.200		8.7	50.0
Dibromomethane	0.370	0.332		10.3	50.0
n-Butylbenzene	1.713	1.570		8.3	50.0
n-Propylbenzene	2.731	2.854		-4.5	50.0
p-Isopropyltoluene	1.916	1.810		5.5	50.0
sec-Butylbenzene	2.253	2.171		3.6	50.0
tert-Butylbenzene	1.854	1.818		1.9	50.0
Allyl chloride					50.0
Benzyl chloride	1.666	1.675		-0.5	50.0
Epichlorohydrin	0.029	0.024		17.2	50.0
Isoprene	0.199	0.139		30.2	50.0
Methyl methacrylate	0.257	0.221		14.0	50.0
n-Pentane	0.017	0.015		11.8	50.0
Allyl alcohol					50.0
2-Octanol					50.0
2-Octanone					50.0
Methyl Acetate	0.233	0.233		0.0	50.0
Ethyl Acrylate					50.0
Butyl Acrylate					50.0
Methyl cyclohexane	0.252	0.217		13.9	50.0
Butyl Methacrylate					50.0
1,2-Dibromo-3-chloropropane	0.306	0.253		17.3	50.0
Ethyl methacrylate					50.0
Ethanol					50.0
Cyclohexanone					50.0
p-Ethyltoluene					50.0
1,4-Diethylbenzene					50.0
1,2,4,5-Tetramethylbenzene					50.0
Propylene Oxide					50.0
Camphene (total)					50.0
Camphor					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS9 Calibration Date: 10/07/06 Time: 0019

Lab File ID: K57505 Init. Calib. Date(s): 09/21/06 09/21/06

Heated Purge: (Y/N) N Init. Calib. Times: 0523 0743

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Amyl Acetate					50.0
2-Methylnaphthalene					50.0
1-Chlorohexane					50.0
Chlorotrifluoromethane					50.0
Chlorodifluoromethane					50.0
tert-Amylmethyl Ether					50.0
Iodomethane					50.0
trans-1,4-Dichloro-2-butene					50.0
Acetaldehyde					50.0
1,3,5-Trichlorobenzene					50.0
1,2-Dichlorotrifluoroethane					50.0
1-Bromo-2-chloroethane					50.0
4-Chlorobenzotrifluoride					50.0
2-Chloropropene					50.0
tert-Butyl ethyl ether			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.367	0.283		22.9	50.0
Toluene-d8 (SUR)	0.963	0.911		5.4	50.0
Bromofluorobenzene (SUR)	0.883	1.059		-19.9	50.0

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: SOIL Level: HIGH Lab Job No: X967

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	KV279A	79	97	115		0
02	775584	78	98	114		0
03	775585	79	96	117		0
04	775586	77	96	112		0
05	775585MS	82	101	118		0
06	KV282	83	97	125		0
07	775585MSD	74	95	110		0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(56-147)
S2	= Toluene-d8	(62-141)
S3	= Bromofluorobenzene	(61-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: HIGH

Matrix Spike - Lab Sample No.: 775585

MS Sample from Lab Job No: X967

QA Batch: 0946

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	5300	0.00	4400	83	65-126
Trichloroethene	5300	0.00	4400	83	65-129
Benzene	5300	0.00	4900	92	73-127
Toluene	5300	0.00	5500	104	70-128
Chlorobenzene	5300	0.00	5500	104	71-131

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5300	4800	91	9	40	65-126
Trichloroethene	5300	4700	89	7	40	65-129
Benzene	5300	5400	102	10	40	73-127
Toluene	5300	5900	111	7	40	70-128
Chlorobenzene	5300	5900	111	7	40	71-131

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): K57505 Date Analyzed: 10/07/06

Instrument ID: VOAMS9 Time Analyzed: 0019

		IS1 AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	1081171		8.73		722990		11.94		303682		14.09	
	UPPER LIMIT	2162342		9.23		1445980		12.44		607364		14.59	
	LOWER LIMIT	540586		8.23		361495		11.44		151841		13.59	
	LABORATORY SAMPLE NO.												
01	KV279A	936535		8.72		621521		11.93		253675		14.08	
02	775584	993767		8.73		691809		11.93		297405		14.09	
03	775585	1011528		8.72		715473		11.94		306629		14.09	
04	775586	1056537		8.72		721971		11.94		317679		14.09	
05	775585MS	1003041		8.72		663851		11.93		288086		14.08	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): K57530 Date Analyzed: 10/09/06

Instrument ID: VOAMS9 Time Analyzed: 0500

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1043480	8.75	748305	11.98	316819	14.15
	UPPER LIMIT	2086960	9.25	1496610	12.48	633638	14.65
	LOWER LIMIT	521740	8.25	374152	11.48	158410	13.65
	LABORATORY SAMPLE NO.						
01	KV282	917146	8.75	645542	11.97	257549	14.14
02	775585MSD	890842	8.75	610162	11.98	266900	14.16
03							
04							
05							
06							
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19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS Forms and Data (Semivolatiles)

Results Summary and Chromatograms

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4920.d
Report Date: 12-Oct-2006 11:15

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

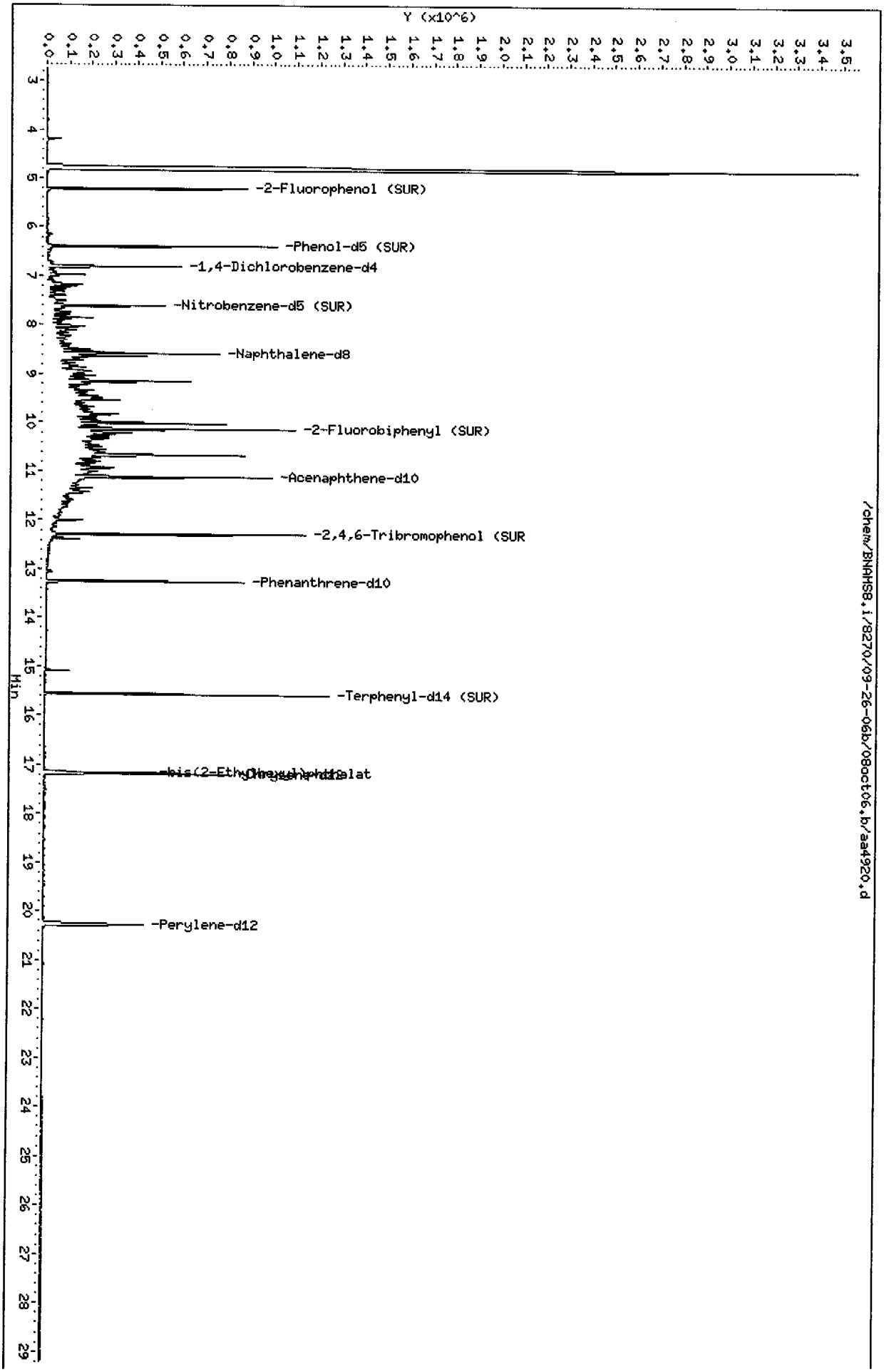
Data file : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4920.d
Lab Smp Id: 775584 Client Smp ID: B604-SS01
Inj Date : 09-OCT-2006 00:09
Operator : BNAMS 4 Inst ID: BNAMS8.i
Smp Info : 775584;3285383
Misc Info : X967;SB279A;QA4674
Comment :
Method : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 07:20 monica Quant Type: ISTD
Cal Date : 26-SEP-2006 23:38 Cal File: aa4692.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	18.20000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.205	5.194	(0.765)	193553	94.8289	7700
$ 17 Phenol-d5 (SUR)	99	6.388	6.390	(0.939)	330462	88.3428	7200
* 79 1,4-Dichlorobenzene-d4	152	6.800	6.803	(1.000)	84375	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.598	7.607	(0.886)	190070	45.5377	3700
* 80 Naphthalene-d8	136	8.575	8.577	(1.000)	298194	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.130	10.132	(0.911)	311671	45.0609	3700
* 82 Acenaphthene-d10	164	11.120	11.123	(1.000)	235480	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.284	12.286	(1.105)	221284	88.4740	7200
* 83 Phenanthrene-d10	188	13.254	13.256	(1.000)	363486	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.560	15.562	(0.906)	456778	48.4763	4000
63 bis(2-Ethylhexyl)phthalate	149	17.149	17.157	(0.999)	117702	10.3353	840
* 81 Chrysene-d12	240	17.169	17.184	(1.000)	498021	40.0000	
* 84 Perylene-d12	264	20.279	20.295	(1.000)	473678	40.0000	


Data File: /chem/BNAHS8.i/8270/09-26-06b/08oct06.b/aa4920.d
Date : 09-OCT-2006 00:09
Client ID: B604-SS01
Sample Info: 775584;3285383
Instrument: BNAHS8.i
Column phase: DB-5
Operator: BNAHS 4
Column diameter: 0.25
/chem/BNAHS8.i/8270/09-26-06b/08oct06.b/aa4920.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Perylene-d12

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4920.d

Date : 09-OCT-2006 00:09

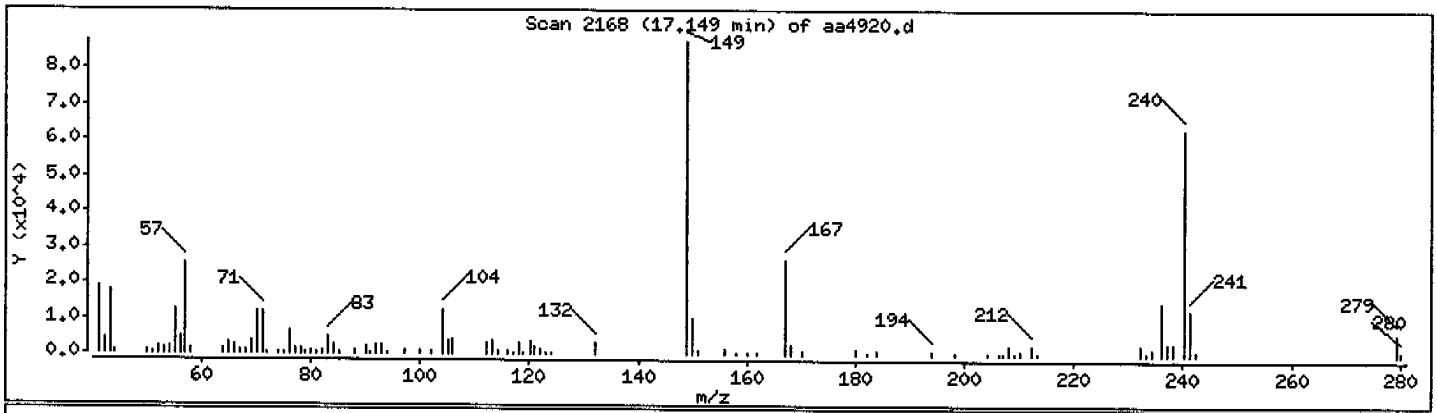
Client ID: B604-SS01 Instrument: BNAMS8.i

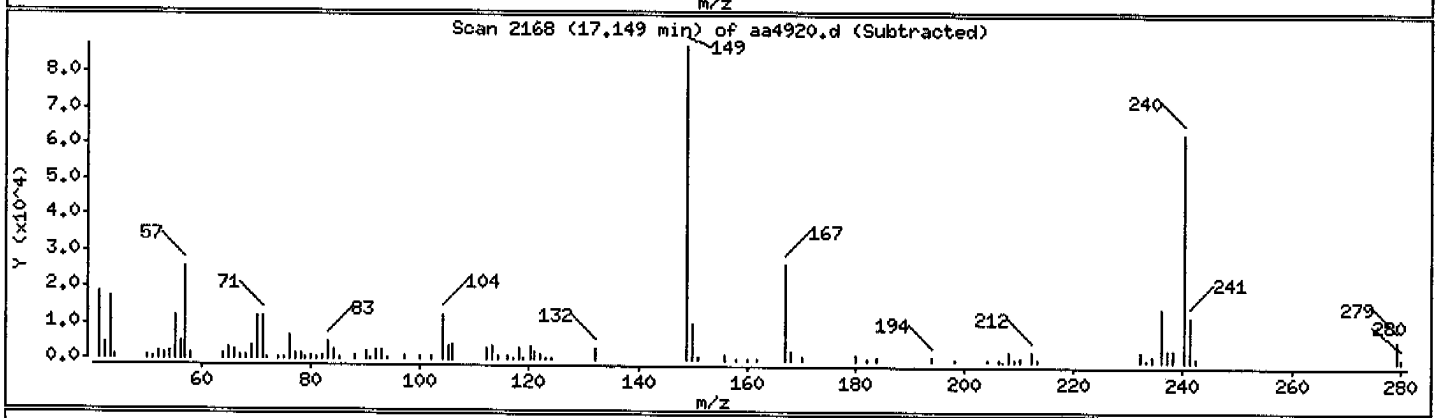
Sample Info: 775584;3285383

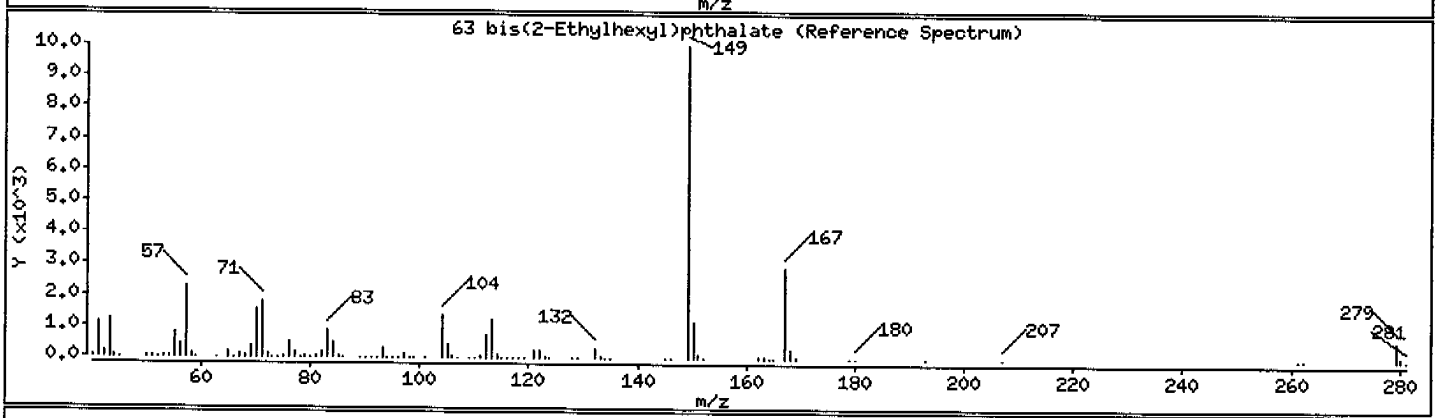
Operator: BNAMS 4

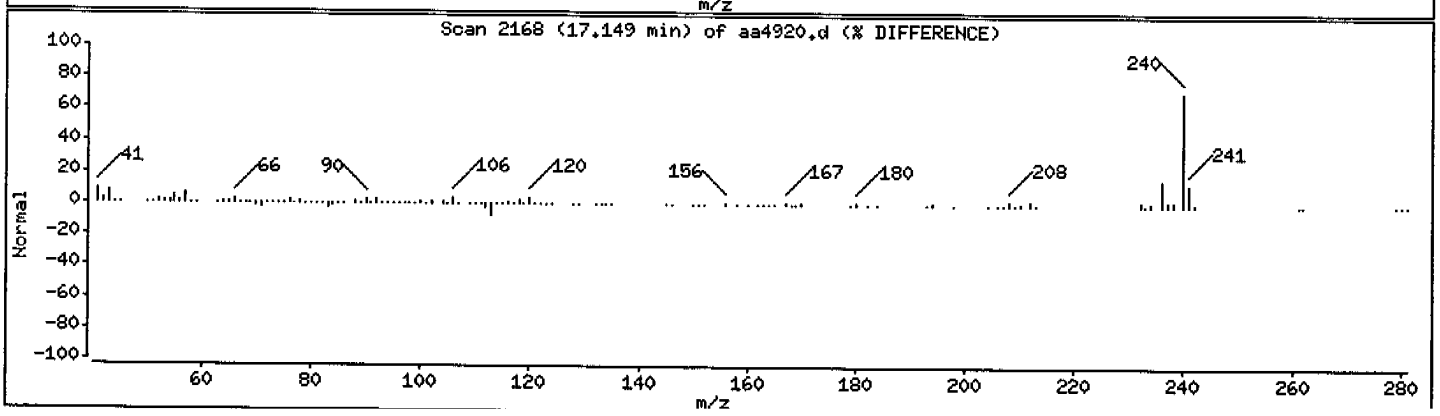
Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 840 ug/Kg









Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4920.d

Date : 09-OCT-2006 00:09

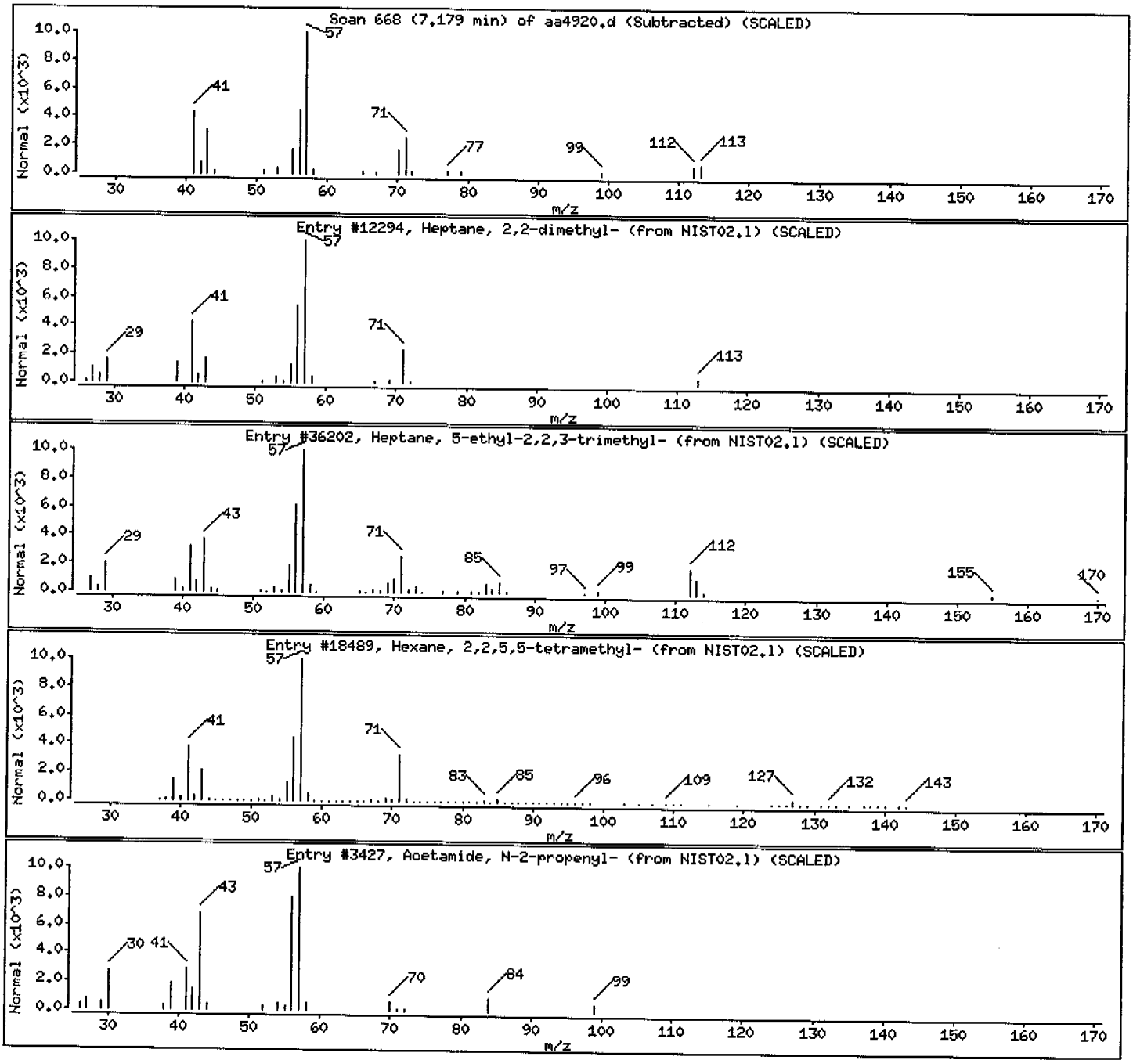
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptane, 2,2-dimethyl-	1071-26-7	NIST02.l	12294	72	C9H20	128
Heptane, 5-ethyl-2,2,3-trimethyl-	62199-06-8	NIST02.l	36202	56	C12H26	170
Hexane, 2,2,5,5-tetramethyl-	1071-81-4	NIST02.l	18489	50	C10H22	142
Acetamide, N-2-propenyl-	692-33-1	NIST02.l	3427	46	C5H9NO	99



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Date : 09-OCT-2006 00:09

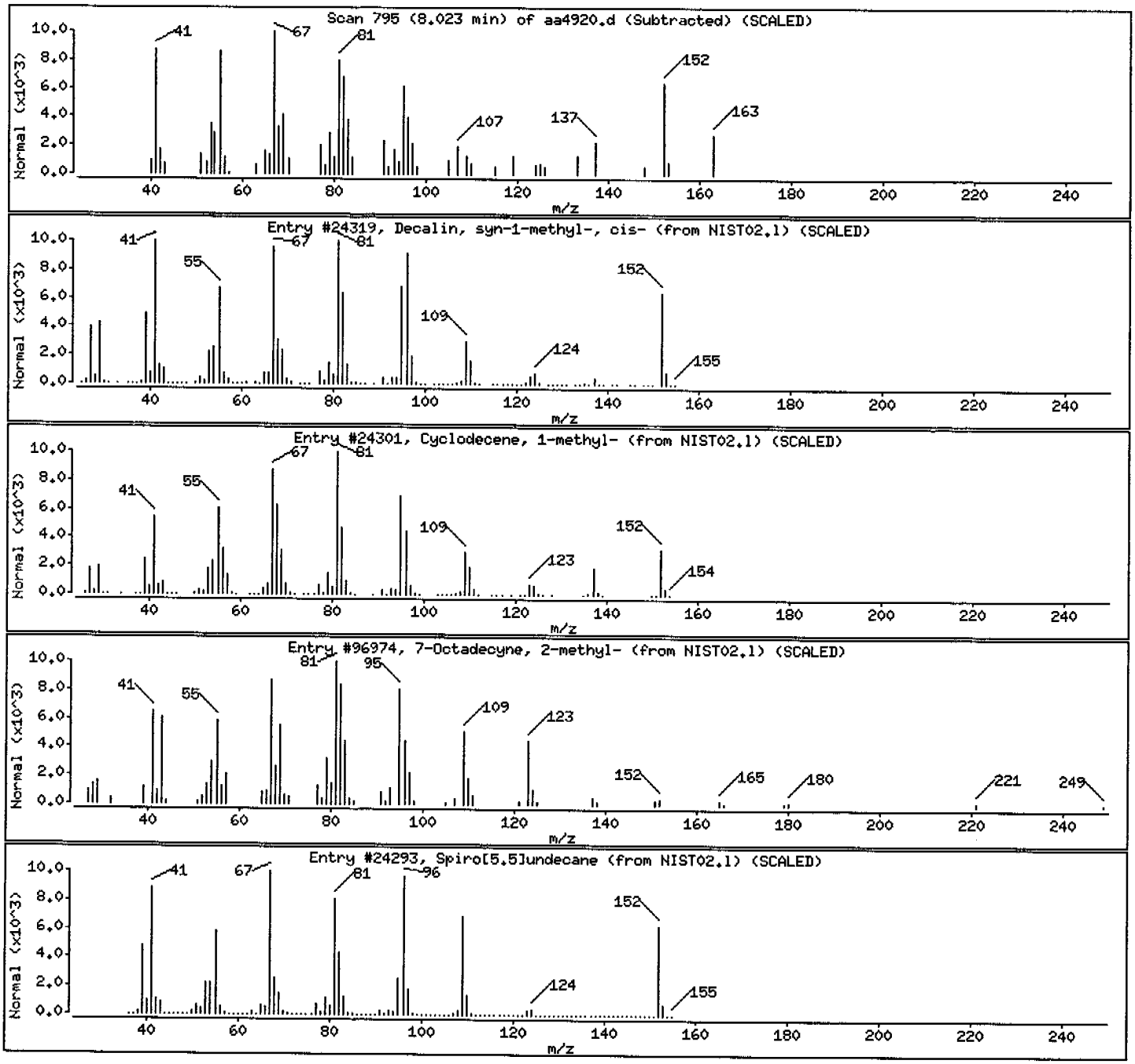
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decalin, syn-1-methyl-, cis-	1000158-89-1	NIST02.l	24319	62	C11H20	152
Cyclodecene, 1-methyl-	66633-38-3	NIST02.l	24301	58	C11H20	152
7-Octadecyne, 2-methyl-	35354-38-2	NIST02.l	96974	58	C19H36	264
Spiro[5.5]undecane	180-43-8	NIST02.l	24293	52	C11H20	152



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Date : 09-OCT-2006 00:09

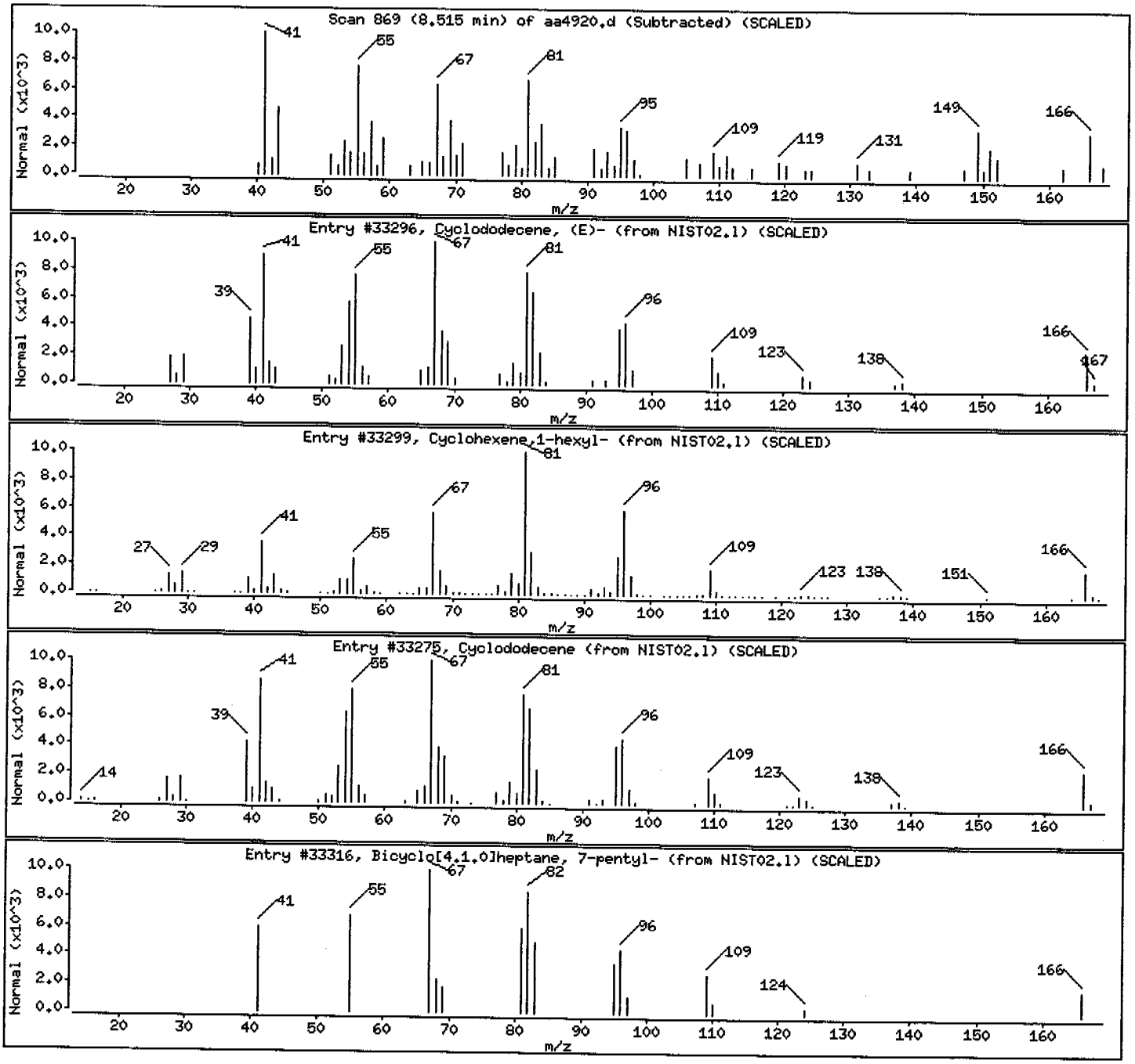
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecene, (E)-	1486-75-5	NIST02.l	33296	50	C12H22	166
Cyclohexene,1-hexyl-	3964-66-7	NIST02.l	33299	46	C12H22	166
Cyclododecene	1501-82-2	NIST02.l	33275	43	C12H22	166
Bicyclo[4.1.0]heptane, 7-pentyl-	41977-45-1	NIST02.l	33316	41	C12H22	166



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Date : 09-OCT-2006 00:09

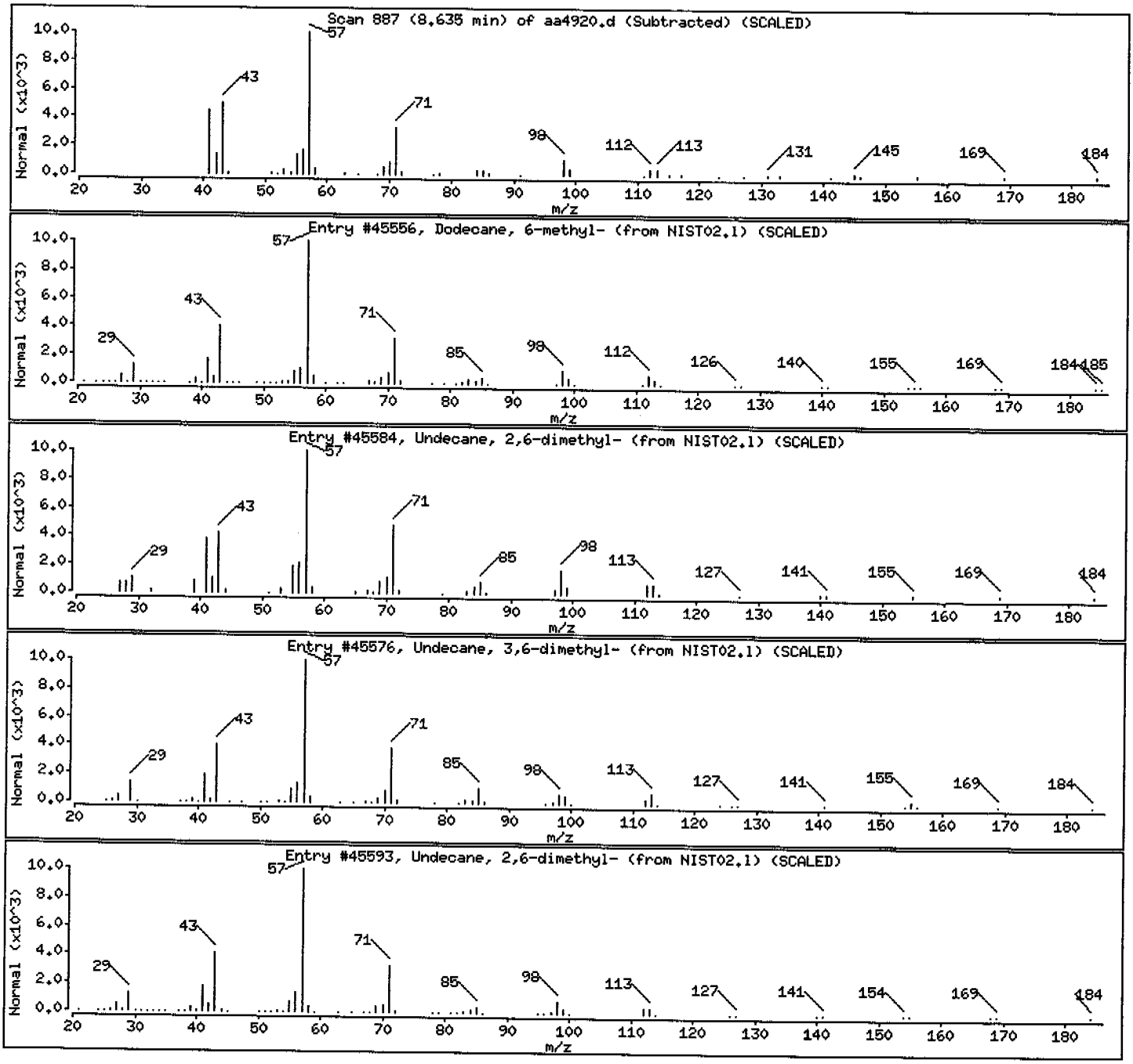
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 6-methyl-	6044-71-9	NIST02.l	45556	87	C13H28	184
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45584	87	C13H28	184
Undecane, 3,6-dimethyl-	17301-28-9	NIST02.l	45576	80	C13H28	184
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45593	80	C13H28	184



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4920.d

Date : 09-OCT-2006 00:09

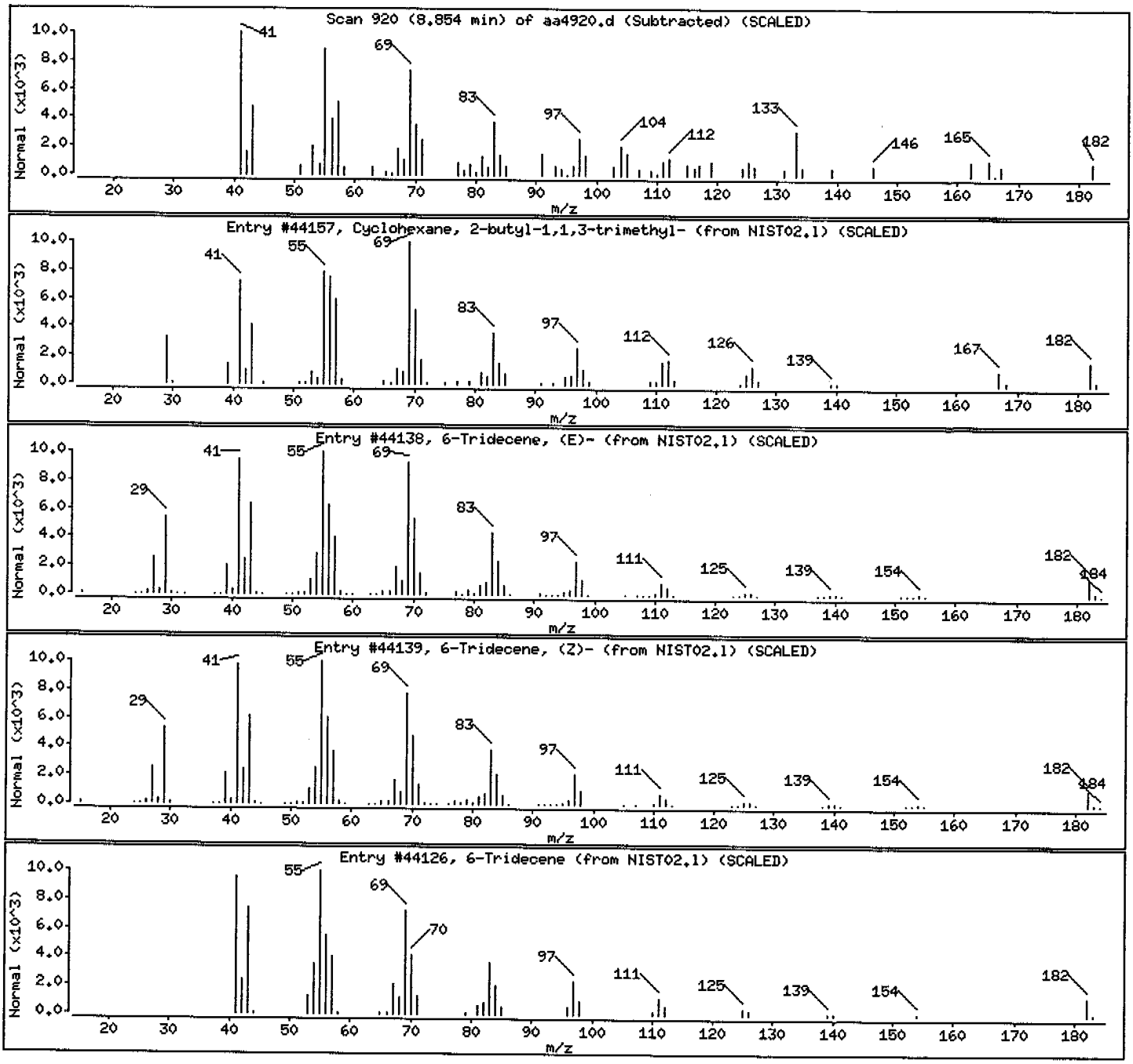
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 2-butyl-1,1,3-trimethyl-	54676-39-0	NIST02.l	44157	60	C13H26	182
6-Tridecene, (E)-	6434-76-0	NIST02.l	44138	55	C13H26	182
6-Tridecene, (Z)-	6508-77-6	NIST02.l	44139	55	C13H26	182
6-Tridecene	24949-38-0	NIST02.l	44126	44	C13H26	182



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4920.d

Date : 09-OCT-2006 00:09

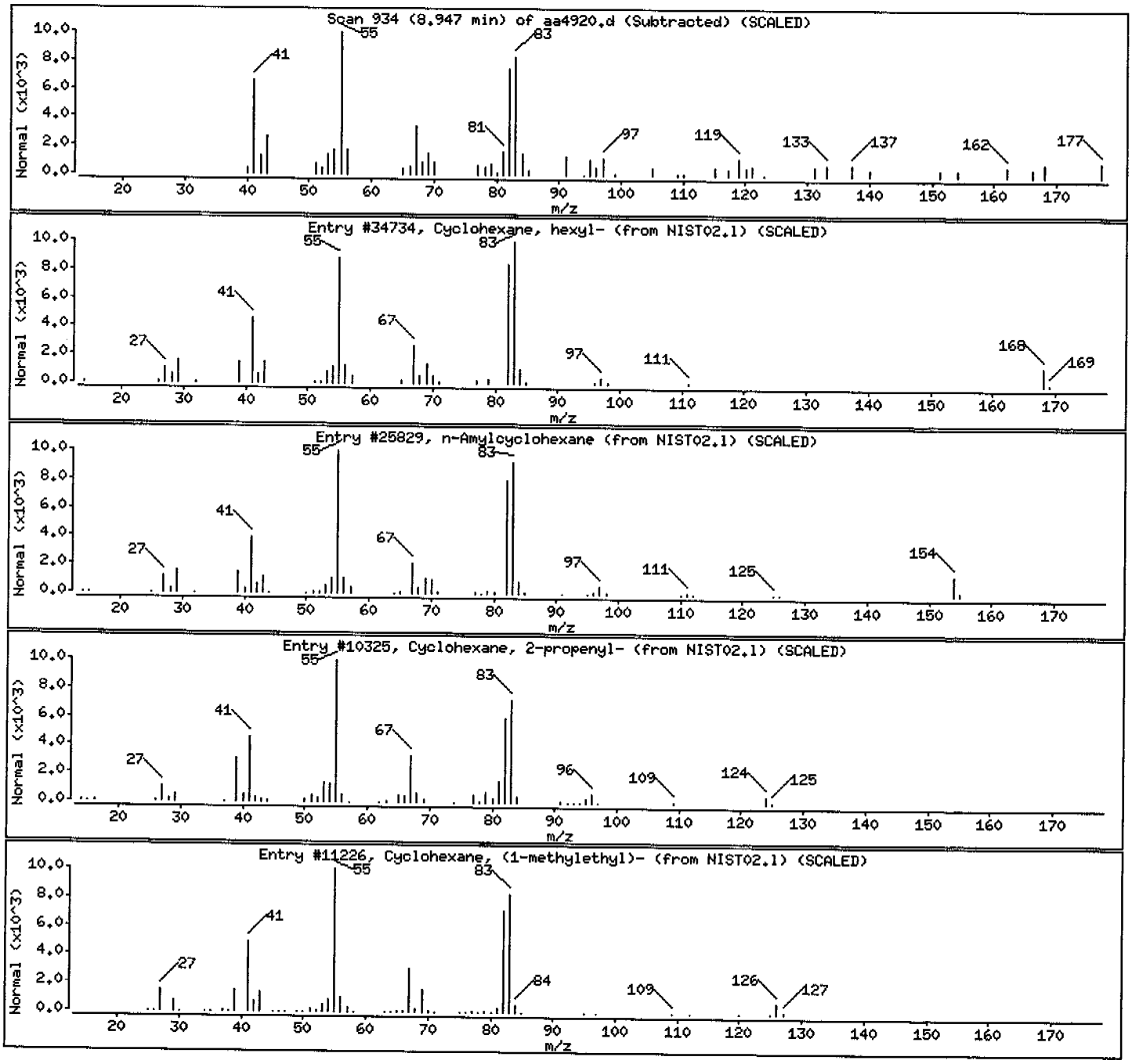
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Cycloalkane						
Cyclohexane, hexyl-	4292-75-5	NIST02.l	34734	83	C12H24	168
n-Amylcyclohexane	29949-27-7	NIST02.l	25829	72	C11H22	154
Cyclohexane, 2-propenyl-	2114-42-3	NIST02.l	10325	64	C9H16	124
Cyclohexane, (1-methylethyl)-	696-29-7	NIST02.l	11226	64	C9H18	126



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Date : 09-OCT-2006 00:09

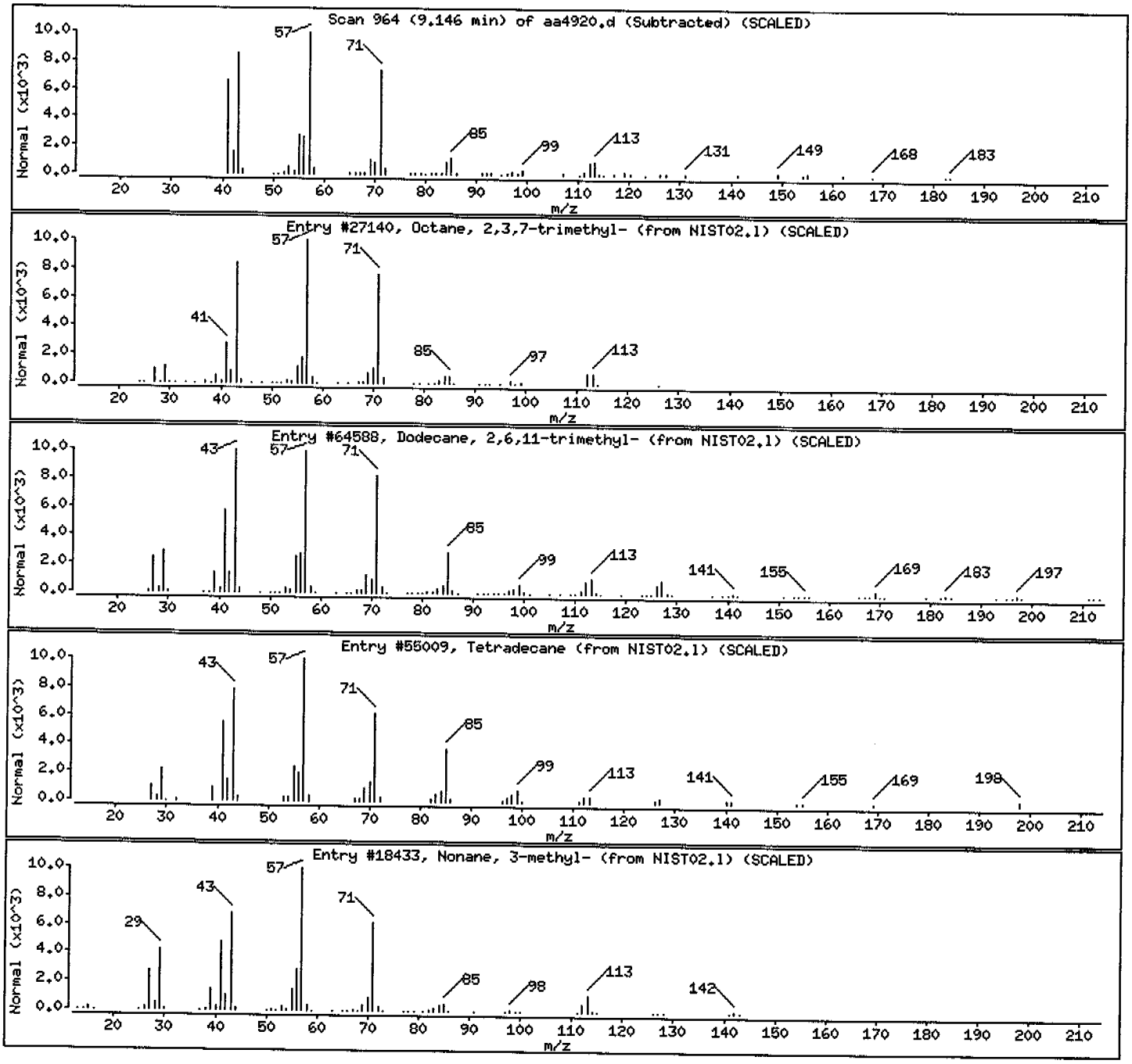
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octane, 2,3,7-trimethyl-	62016-34-6	NIST02.l	27140	86	C11H24	156
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.l	64588	83	C15H32	212
Tetradecane	629-59-4	NIST02.l	55009	78	C14H30	198
Nonane, 3-methyl-	5911-04-6	NIST02.l	18433	78	C10H22	142



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Date : 09-OCT-2006 00:09

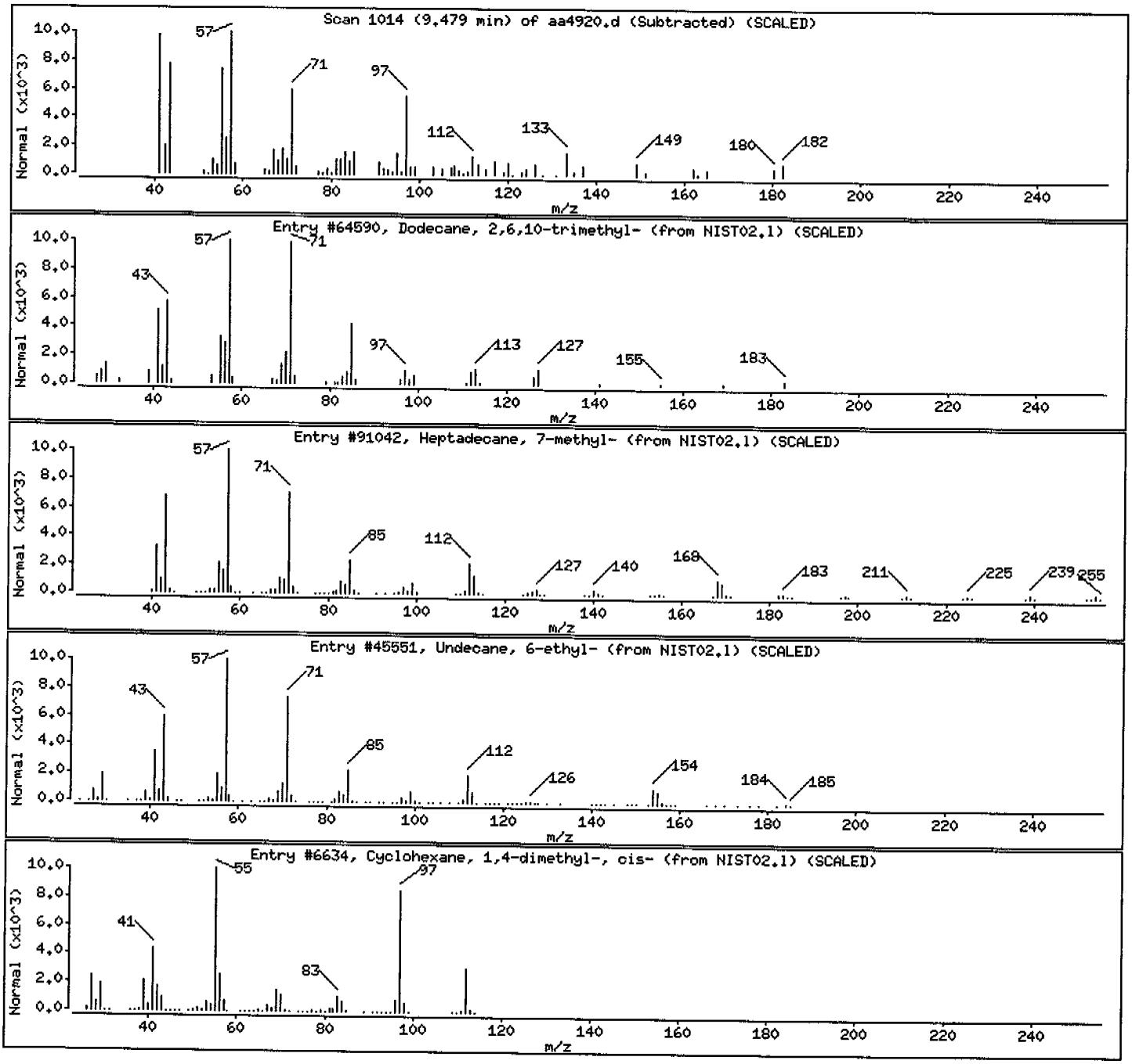
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	43	C15H32	212
Heptadecane, 7-methyl-	20959-33-5	NIST02.l	91042	43	C18H38	254
Undecane, 6-ethyl-	17312-60-6	NIST02.l	45551	43	C13H28	184
Cyclohexane, 1,4-dimethyl-, cis-	624-29-3	NIST02.l	6634	41	C8H16	112



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Date : 09-OCT-2006 00:09

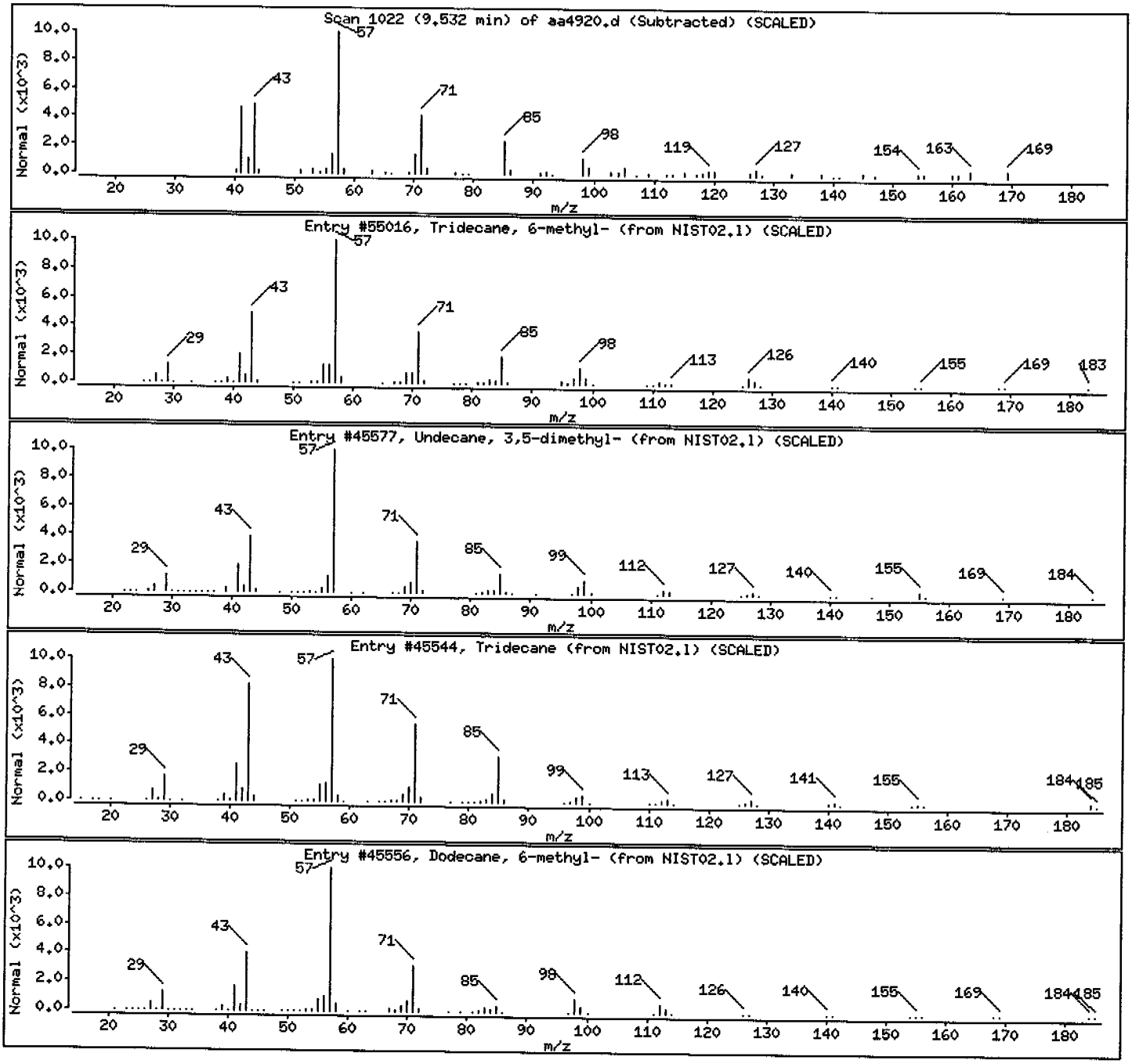
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane, 6-methyl-	13287-21-3	NIST02.l	55016	78	C14H30	198
Undecane, 3,5-dimethyl-	17312-81-1	NIST02.l	45577	72	C13H28	184
Tridecane	629-50-5	NIST02.l	45544	59	C13H28	184
Dodecane, 6-methyl-	6044-71-9	NIST02.l	45556	59	C13H28	184



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Date : 09-OCT-2006 00:09

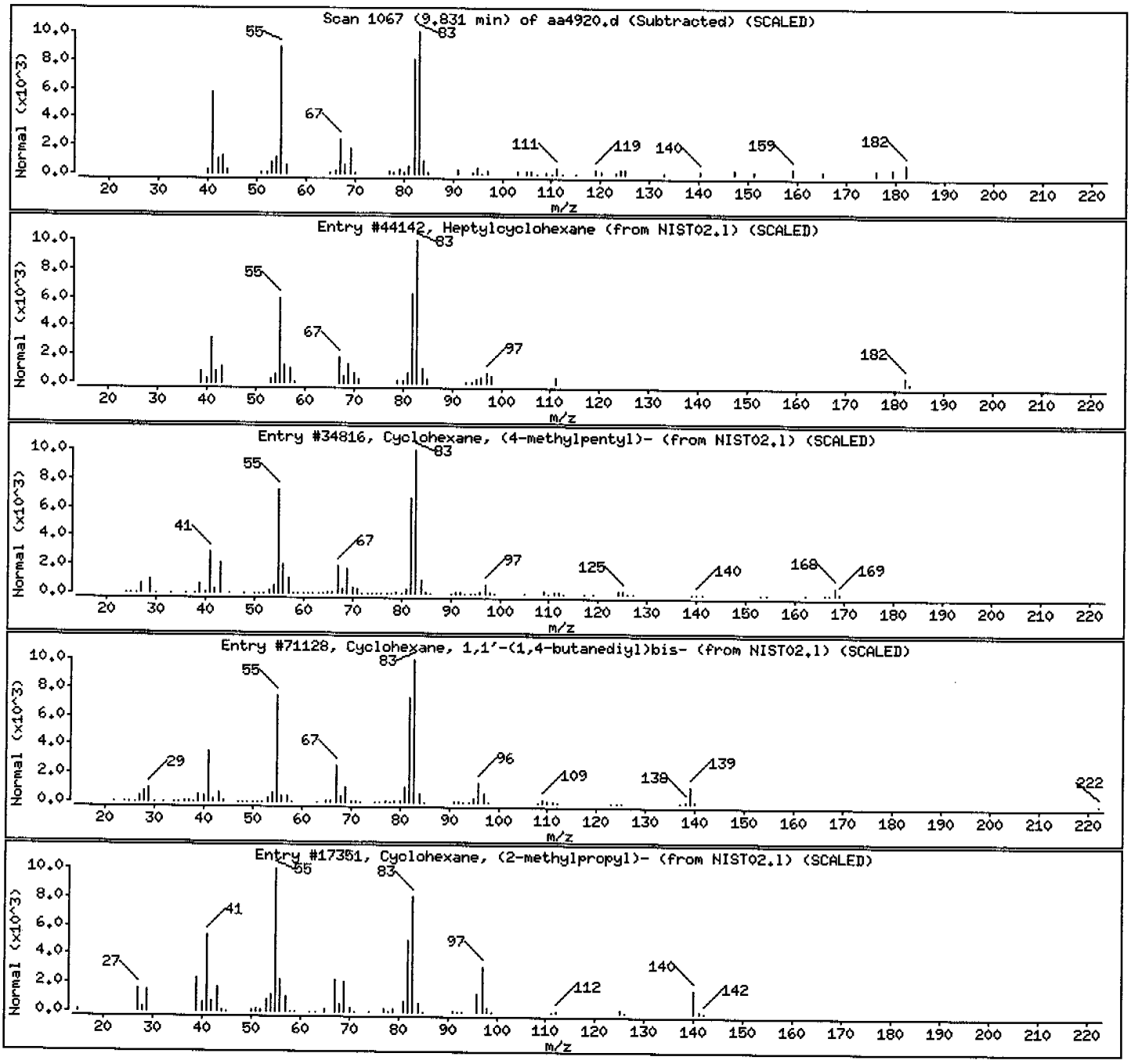
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Cycloalkane						
Heptylcyclohexane	5617-41-4	NIST02.l	44142	80	C13H26	182
Cyclohexane, (4-methylpentyl)-	61142-20-9	NIST02.l	34816	78	C12H24	168
Cyclohexane, 1,1'-(1,4-butanediyl)bis-	6165-44-2	NIST02.l	71128	78	C16H30	222
Cyclohexane, (2-methylpropyl)-	1678-98-4	NIST02.l	17351	78	C10H20	140



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Date : 09-OCT-2006 00:09

Client ID: B604-SS01

Instrument: BNAMS8.i

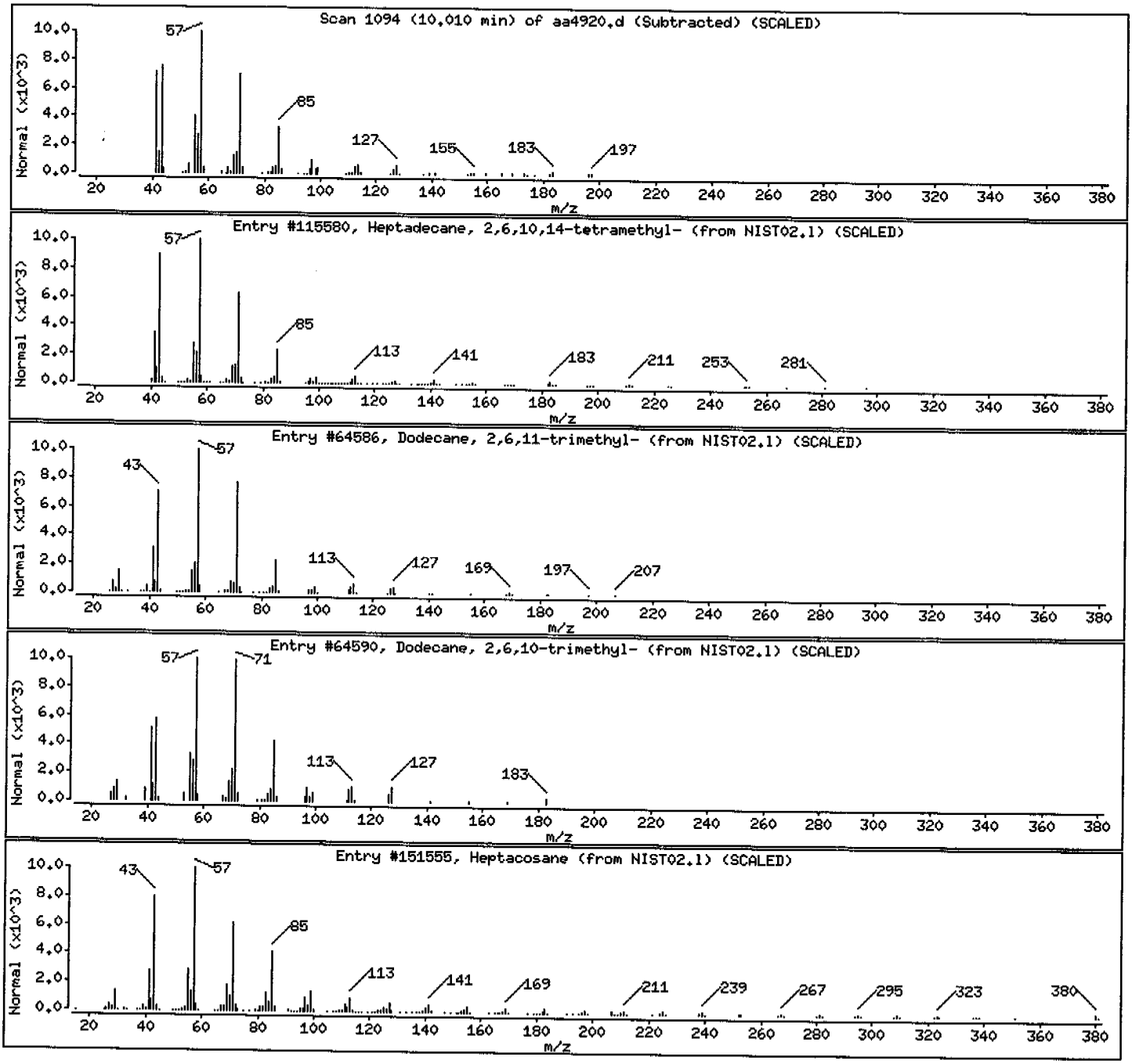
Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane, 2,6,10,14-tetramethyl-	18344-37-1	NIST02.l	115580	86	C21H44	296
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.l	64586	83	C15H32	212
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	83	C15H32	212
Heptacosane	593-49-7	NIST02.l	151555	72	C27H56	380



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Date : 09-OCT-2006 00:09

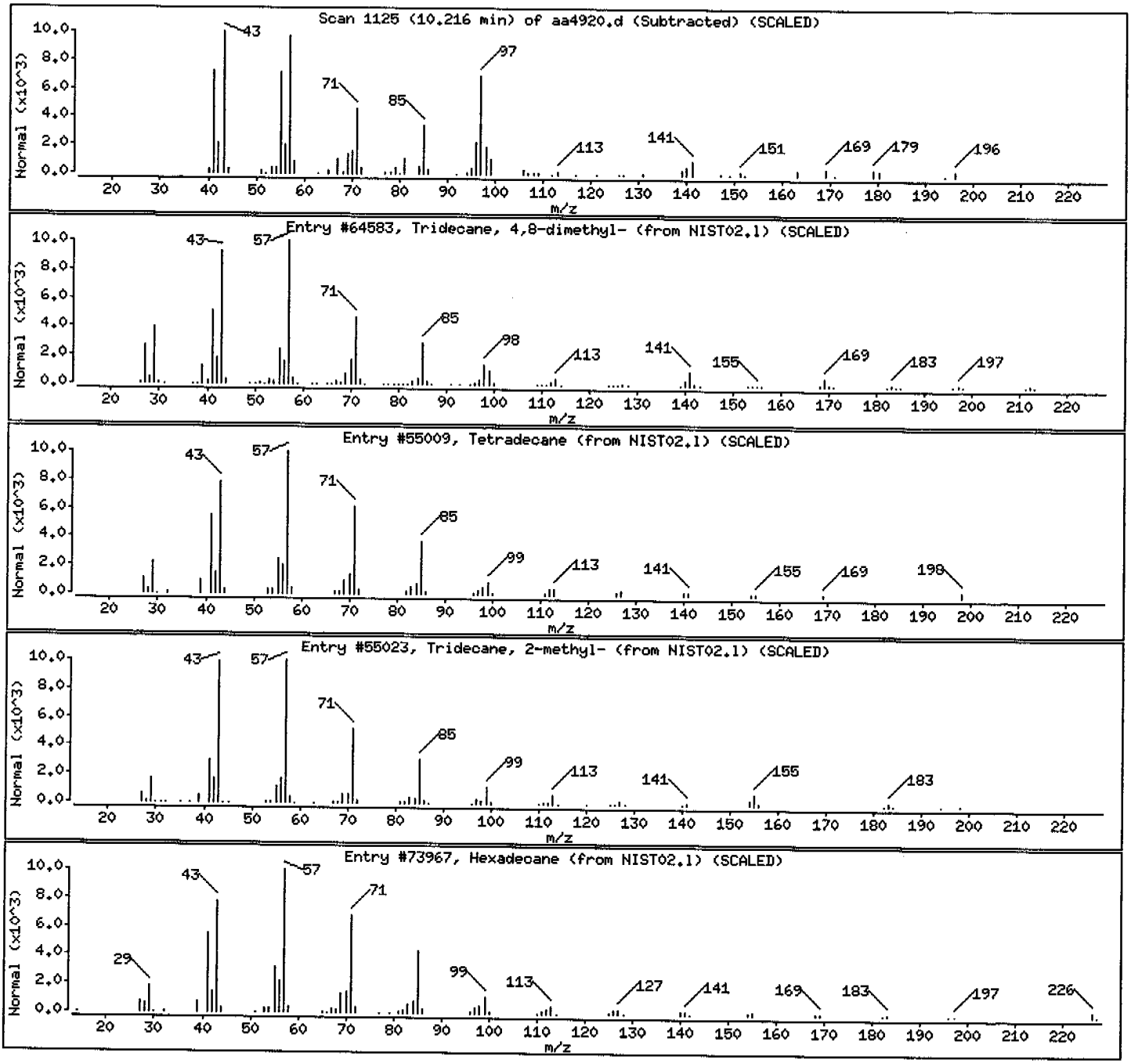
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane, 4,8-dimethyl-	55030-62-1	NIST02.l	64583	53	C15H32	212
Tetradecane	629-59-4	NIST02.l	55009	47	C14H30	198
Tridecane, 2-methyl-	1560-96-9	NIST02.l	55023	47	C14H30	198
Hexadecane	544-76-3	NIST02.l	73967	43	C16H34	226



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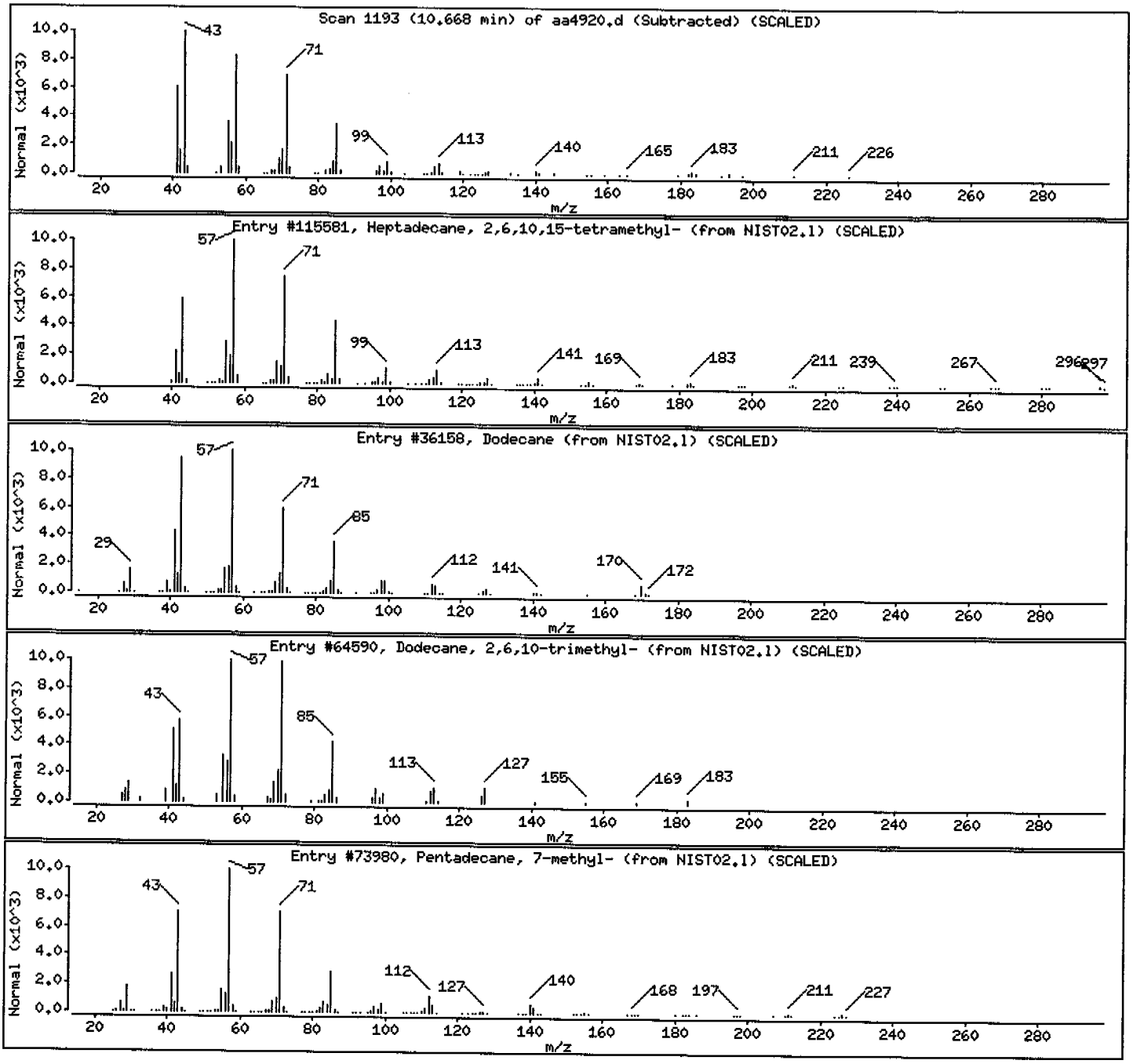
Date : 09-OCT-2006 00:09

Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane/Unknown						
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST02.l	115581	90	C21H44	296
Dodecane	112-40-3	NIST02.l	36158	86	C12H26	170
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	86	C15H32	212
Pentadecane, 7-methyl-	6165-40-8	NIST02.l	73980	83	C16H34	226



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4920.d

Date : 09-OCT-2006 00:09

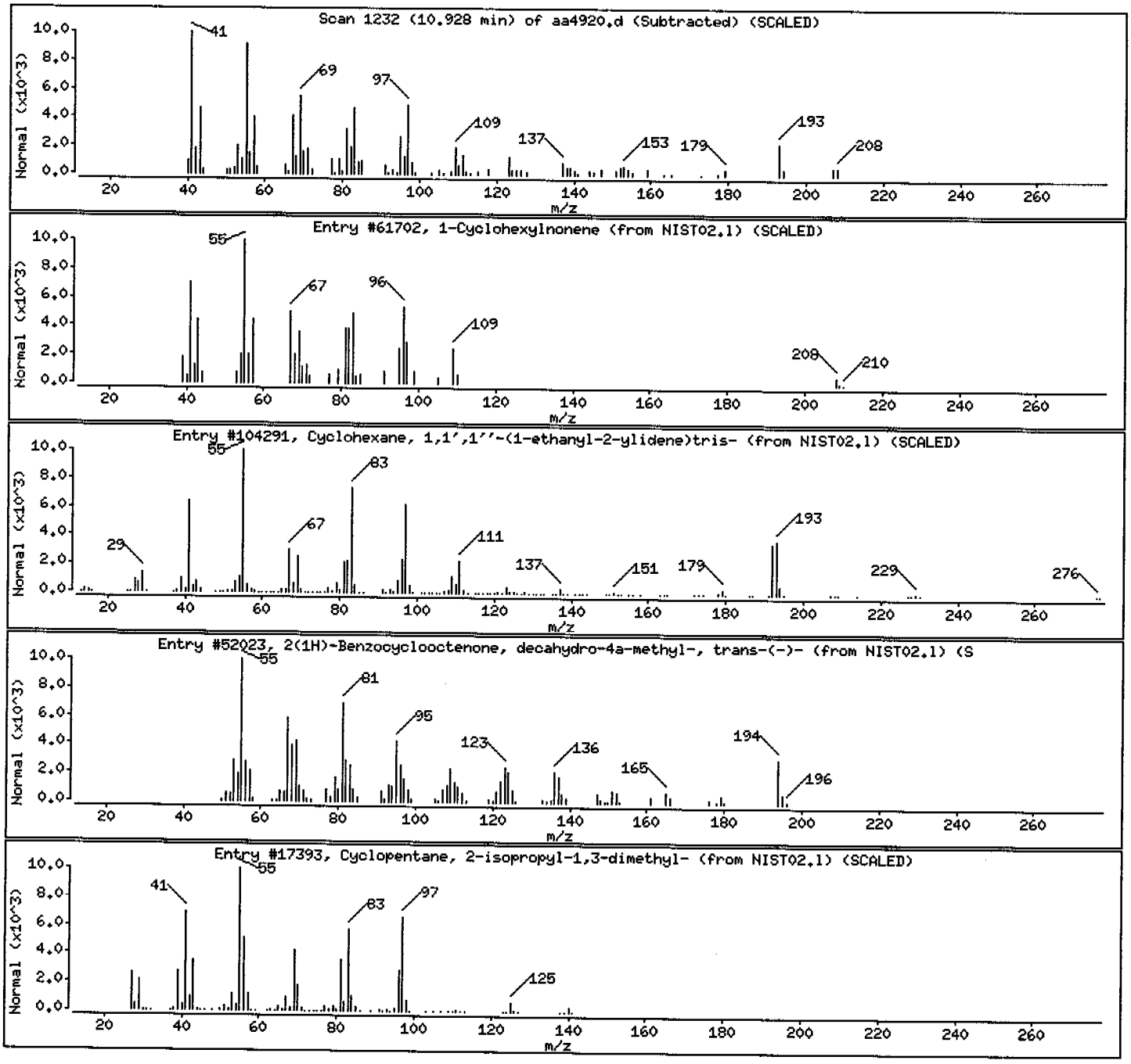
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Cyclohexylnonene	114614-84-5	NIST02.l	61702	53	C15H28	208
Cyclohexane, 1,1',1''-(1-ethanyl-2-ylide	55682-86-5	NIST02.l	104291	50	C20H36	276
2(1H)-Benzocyclooctenone, decahydro-4a-m	55103-66-7	NIST02.l	52023	35	C13H22O	194
Cyclopentane, 2-isopropyl-1,3-dimethyl-	32281-85-9	NIST02.l	17393	30	C10H20	140



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Date : 09-OCT-2006 00:09

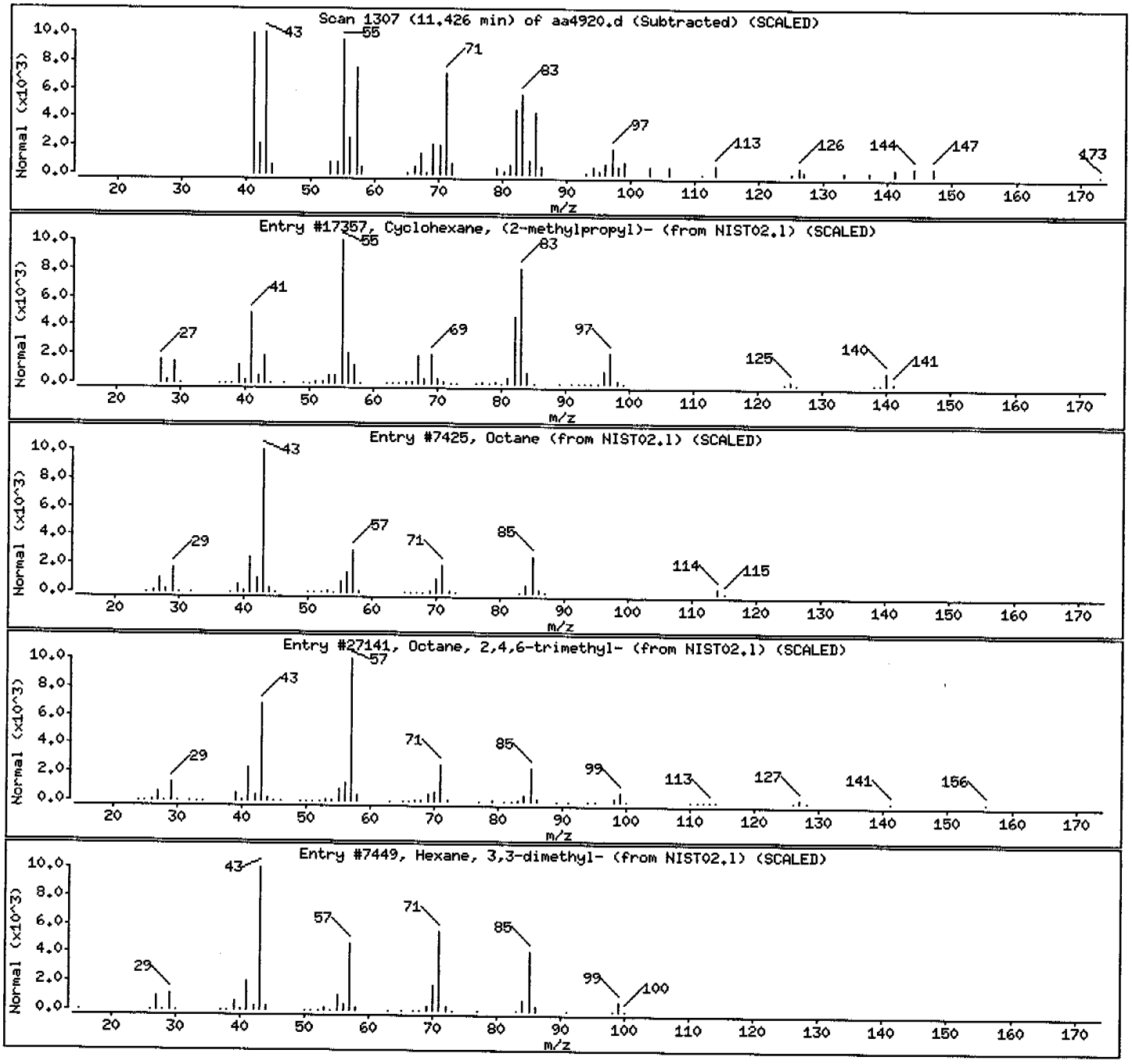
Client ID: B604-SS01 Instrument: BNAMS8.i

Sample Info: 775584;3285383

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (2-methylpropyl)-	1678-98-4	NIST02.l	17357	43	C10H20	140
Octane	111-65-9	NIST02.l	7425	43	C8H18	114
Octane, 2,4,6-trimethyl-	62016-37-9	NIST02.l	27141	38	C11H24	156
Hexane, 3,3-dimethyl-	563-16-6	NIST02.l	7449	38	C8H18	114



Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4920.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	41
1,3-Dichlorobenzene	ND	410
1,4-Dichlorobenzene	ND	410
1,2-Dichlorobenzene	ND	410
bis(2-chloroisopropyl)ether	ND	410
N-Nitroso-di-n-propylamine	ND	41
Hexachloroethane	ND	41
Nitrobenzene	ND	41
Isophorone	ND	410
bis(2-Chloroethoxy)methane	ND	410
1,2,4-Trichlorobenzene	ND	41
Naphthalene	ND	410
4-Chloroaniline	ND	410
Hexachlorobutadiene	ND	81
2-Methylnaphthalene	ND	410
Hexachlorocyclopentadiene	ND	410
2-Chloronaphthalene	ND	410
2-Nitroaniline	ND	810
Dimethylphthalate	ND	410
Acenaphthylene	ND	410
2,6-Dinitrotoluene	ND	81
3-Nitroaniline	ND	810
Acenaphthene	ND	410
Dibenzofuran	ND	410
2,4-Dinitrotoluene	ND	81
Diethylphthalate	ND	410
4-Chlorophenyl-phenylether	ND	410
Fluorene	ND	410
4-Nitroaniline	ND	810
N-Nitrosodiphenylamine	ND	410
4-Bromophenyl-phenylether	ND	410
Hexachlorobenzene	ND	41
Phenanthrene	ND	410
Anthracene	ND	410

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4920.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	410
Di-n-butylphthalate	ND	410
Fluoranthene	ND	410
Pyrene	ND	410
Butylbenzylphthalate	ND	410
3,3'-Dichlorobenzidine	ND	810
Benzo(a)anthracene	ND	41
Chrysene	ND	410
bis(2-Ethylhexyl)phthalate	840	410
Di-n-octylphthalate	ND	410
Benzo(b)fluoranthene	ND	41
Benzo(k)fluoranthene	ND	41
Benzo(a)pyrene	ND	41
Indeno(1,2,3-cd)pyrene	ND	41
Dibenz(a,h)anthracene	ND	41
Benzo(g,h,i)perylene	ND	410

Client ID: **B604-SS01**
Site: Sun Chemical SI

Lab Sample No: **775584**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4920.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	7.18	1100	
2. Unknown	8.02	810	
3. Unknown	8.52	890	
4. Unknown Alkane	8.63	1500	
5. Unknown	8.85	840	
6. Unknown Cycloalkane	8.95	1200	
7. Unknown Alkane	9.15	2800	
8. Unknown Alkane	9.48	1100	
9. Unknown Alkane	9.53	920	
10. Unknown Cycloalkane	9.83	850	
11. Unknown Alkane	10.01	2000	
12. Unknown Alkane	10.22	660	
13. Unknown Alkane/Unknown	10.67	2800	
14. Unknown	10.93	710	
15. Unknown	11.43	690	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 18870

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4921.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 20

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	41
1,3-Dichlorobenzene	ND	410
1,4-Dichlorobenzene	ND	410
1,2-Dichlorobenzene	ND	410
bis(2-chloroisopropyl)ether	ND	410
N-Nitroso-di-n-propylamine	ND	41
Hexachloroethane	ND	41
Nitrobenzene	ND	41
Isophorone	ND	410
bis(2-Chloroethoxy)methane	ND	410
1,2,4-Trichlorobenzene	ND	41
Naphthalene	ND	410
4-Chloroaniline	ND	410
Hexachlorobutadiene	ND	83
2-Methylnaphthalene	ND	410
Hexachlorocyclopentadiene	ND	410
2-Chloronaphthalene	ND	410
2-Nitroaniline	ND	830
Dimethylphthalate	ND	410
Acenaphthylene	ND	410
2,6-Dinitrotoluene	ND	83
3-Nitroaniline	ND	830
Acenaphthene	ND	410
Dibenzofuran	ND	410
2,4-Dinitrotoluene	ND	83
Diethylphthalate	ND	410
4-Chlorophenyl-phenylether	ND	410
Fluorene	ND	410
4-Nitroaniline	ND	830
N-Nitrosodiphenylamine	ND	410
4-Bromophenyl-phenylether	ND	410
Hexachlorobenzene	ND	41
Phenanthrene	ND	410
Anthracene	ND	410

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4921.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 20

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	410
Di-n-butylphthalate	ND	410
Fluoranthene	ND	410
Pyrene	ND	410
Butylbenzylphthalate	ND	410
3,3'-Dichlorobenzidine	ND	830
Benzo(a)anthracene	ND	41
Chrysene	ND	410
bis(2-Ethylhexyl)phthalate	1900	410
Di-n-octylphthalate	ND	410
Benzo(b)fluoranthene	ND	41
Benzo(k)fluoranthene	ND	41
Benzo(a)pyrene	ND	41
Indeno(1,2,3-cd)pyrene	ND	41
Dibenz(a,h)anthracene	ND	41
Benzo(g,h,i)perylene	ND	410

Client ID: **B604-SS02**
Site: Sun Chemical SI

Lab Sample No: **775585**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4921.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	7.18	940	
2.	Decahydromethylnaphthalene isomer	7.85	820	
3.	Unknown Alkane	8.10	760	
4.	Unknown Alkane	8.25	990	
5.	Unknown	8.52	910	
6.	Unknown Alkane	8.64	1600	
7.	Unknown Cycloalkane	8.95	1400	
8.	Unknown Alkane	9.15	2600	
9.	Unknown Alkane	9.54	820	
10.	Unknown Alkane	10.01	1800	
11.	Unknown Alkane	10.22	540	
12.	Unknown Alkane	10.67	2600	
13.	Unknown	10.93	550	
14.	Unknown	11.43	650	
15.	Unknown Alkane	12.38	530	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 17510

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4921.d
Report Date: 12-Oct-2006 11:15

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

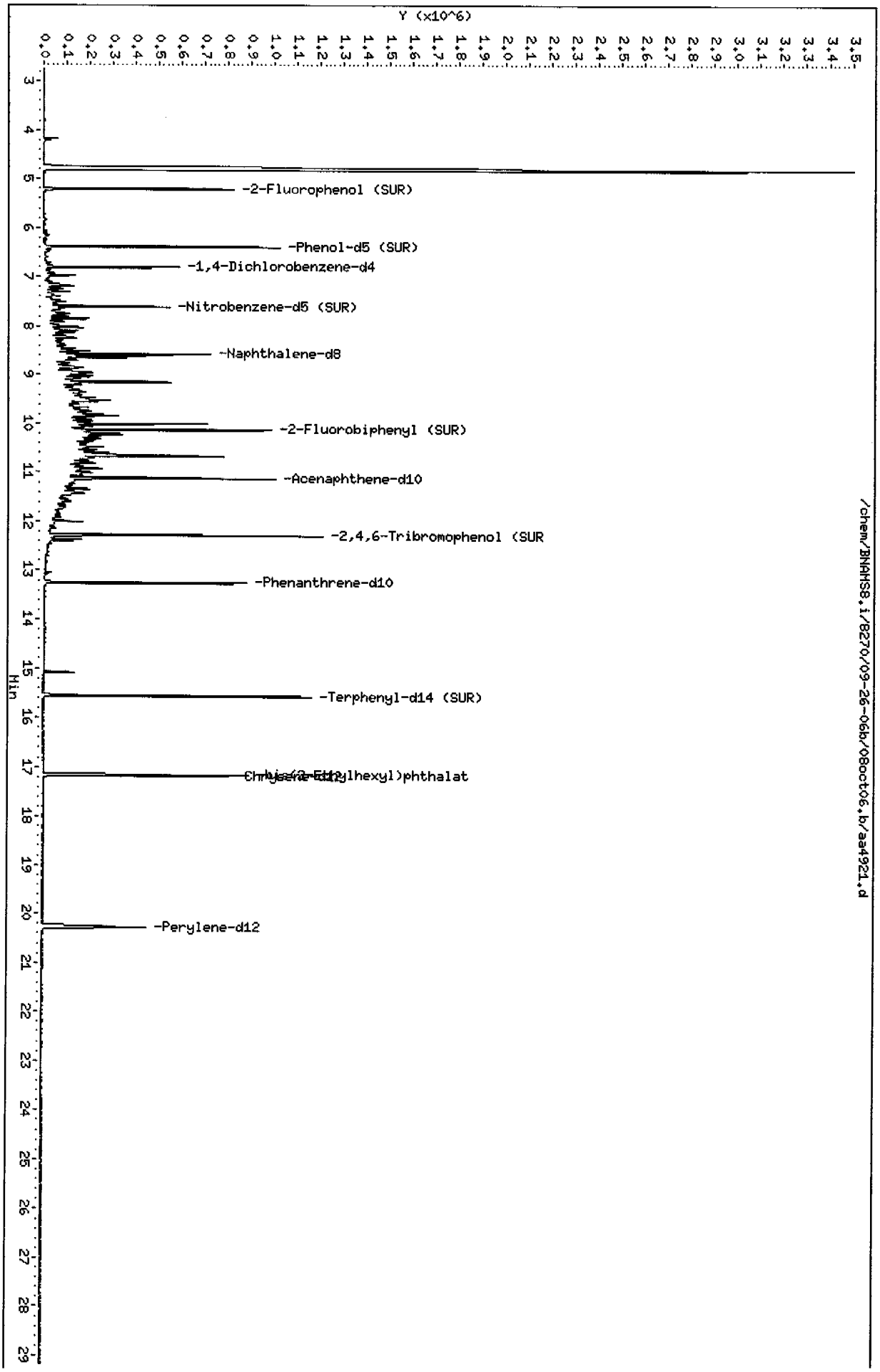
Data file : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4921.d
Lab Smp Id: 775585 Client Smp ID: B604-SS02
Inj Date : 09-OCT-2006 00:47
Operator : BNAMS 4 Inst ID: BNAMS8.i
Smp Info : 775585;3285400
Misc Info : X967;SB279A;QA4674
Comment :
Method : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 07:20 monica Quant Type: ISTD
Cal Date : 26-SEP-2006 23:38 Cal File: aa4692.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	19.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.208	5.194	(0.766)	191815	96.2824	8000
$ 17 Phenol-d5 (SUR)	99	6.391	6.390	(0.939)	323516	88.6072	7300
* 79 1,4-Dichlorobenzene-d4	152	6.803	6.803	(1.000)	82355	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.601	7.607	(0.886)	187923	45.9202	3800
* 80 Naphthalene-d8	136	8.578	8.577	(1.000)	292370	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.127	10.132	(0.910)	305178	43.2818	3600
* 82 Acenaphthene-d10	164	11.124	11.123	(1.000)	240052	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.280	12.286	(1.104)	217147	85.1664	7100
* 83 Phenanthrene-d10	188	13.250	13.256	(1.000)	377744	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.563	15.562	(0.906)	442810	46.7801	3900
63 bis(2-Ethylhexyl)phthalate	149	17.152	17.157	(0.999)	262034	22.9042	1900
* 81 Chrysene-d12	240	17.172	17.184	(1.000)	500297	40.0000	
* 84 Perylene-d12	264	20.276	20.295	(1.000)	478026	40.0000	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Date : 09-OCT-2006 00:47
Client ID: B604-S302
Sample Info: 775585;3285400
Instrument: BNAMS8.i
Operator: BNAMS 4
Column diameter: 0.25
Column phase: DB-5
/chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4921.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Perylene-d12

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4921.d

Date : 09-OCT-2006 00:47

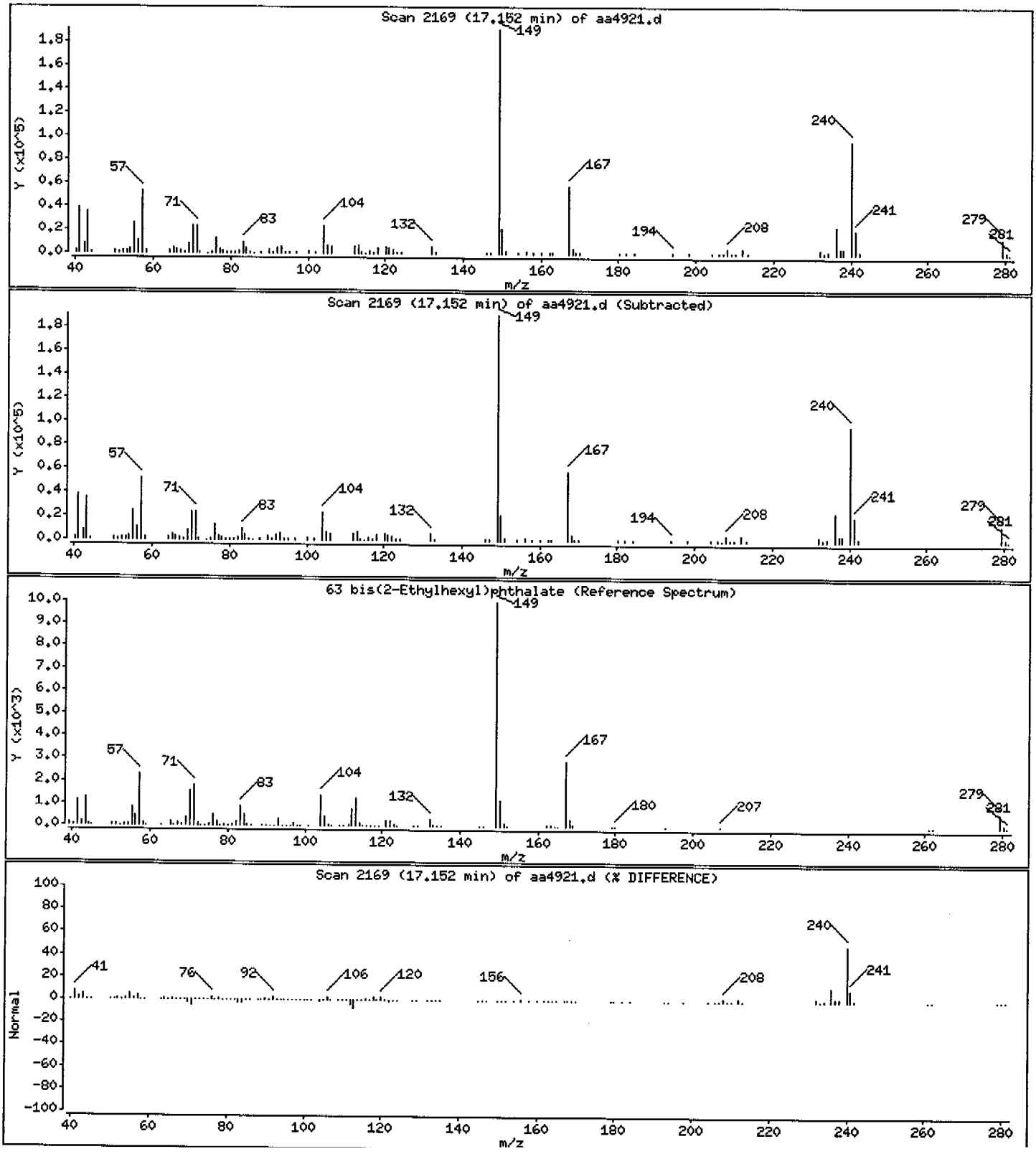
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 1900 ug/Kg



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Date : 09-OCT-2006 00:47

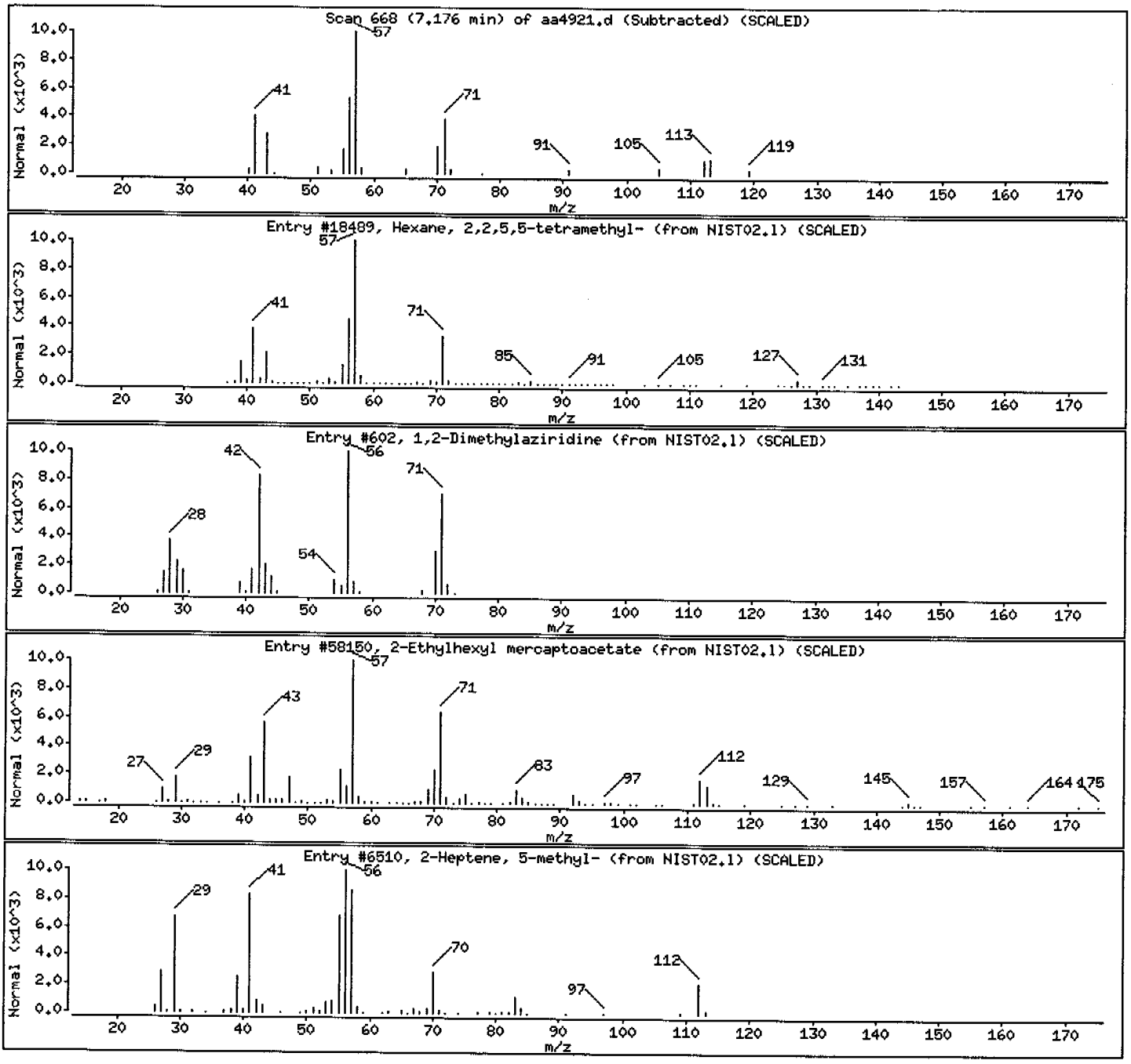
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexane, 2,2,5,5-tetramethyl-	1071-81-4	NIST02.l	18489	50	C10H22	142
1,2-Dimethylaziridine	30757-96-1	NIST02.l	602	38	C4H9N	71
2-Ethylhexyl mercaptoacetate	7659-86-1	NIST02.l	58150	37	C10H20O2S	204
2-Heptene, 5-methyl-	22487-87-2	NIST02.l	6510	37	C8H16	112



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Date : 09-OCT-2006 00:47

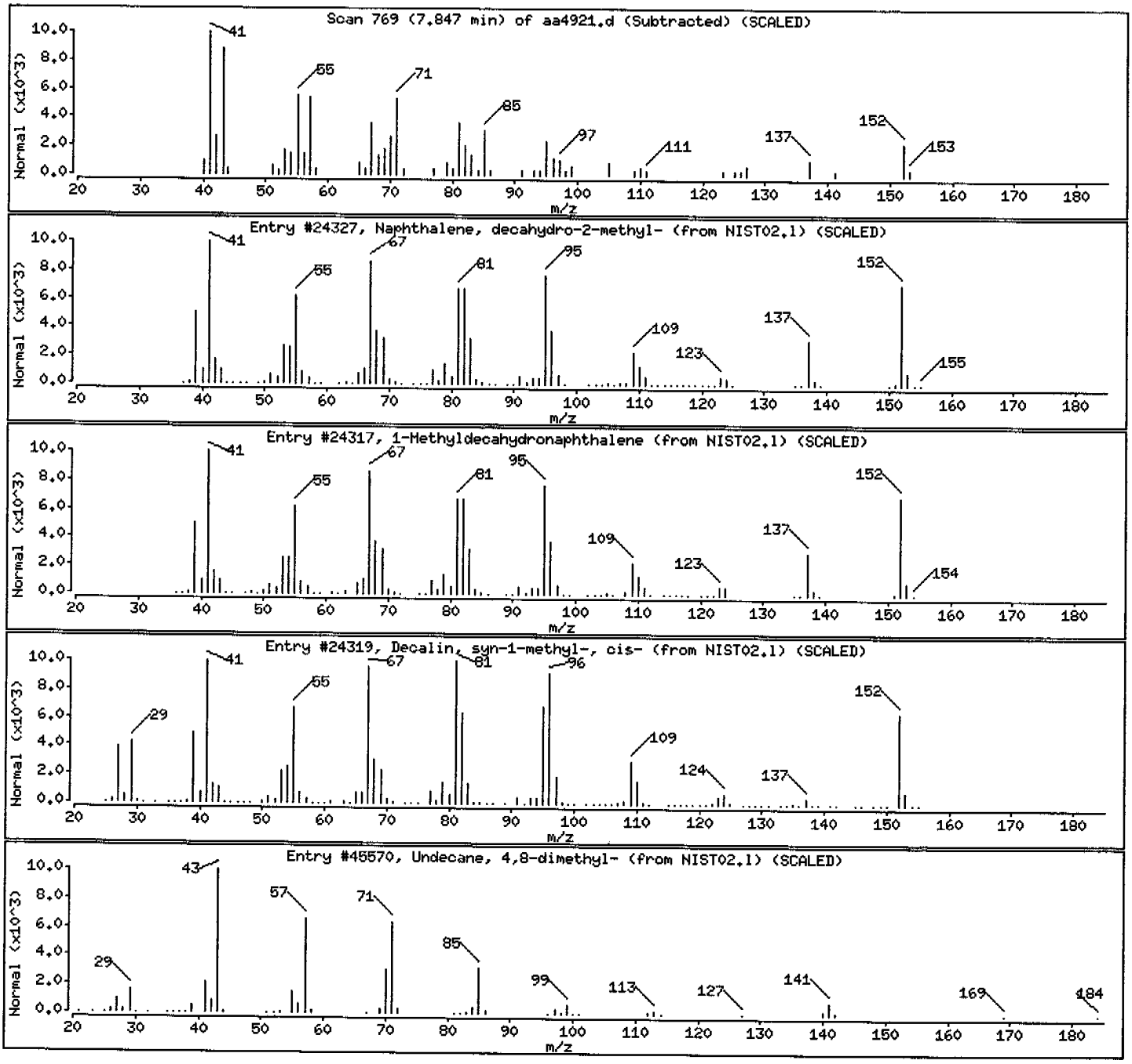
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24327	64	C11H20	152
1-Methyldecahydronaphthalene	2958-75-0	NIST02.l	24317	64	C11H20	152
Decalin, syn-1-methyl-, cis-	1000158-89-1	NIST02.l	24319	38	C11H20	152
Undecane, 4,8-dimethyl-	17301-33-6	NIST02.l	45570	27	C13H28	184



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Date : 09-OCT-2006 00:47

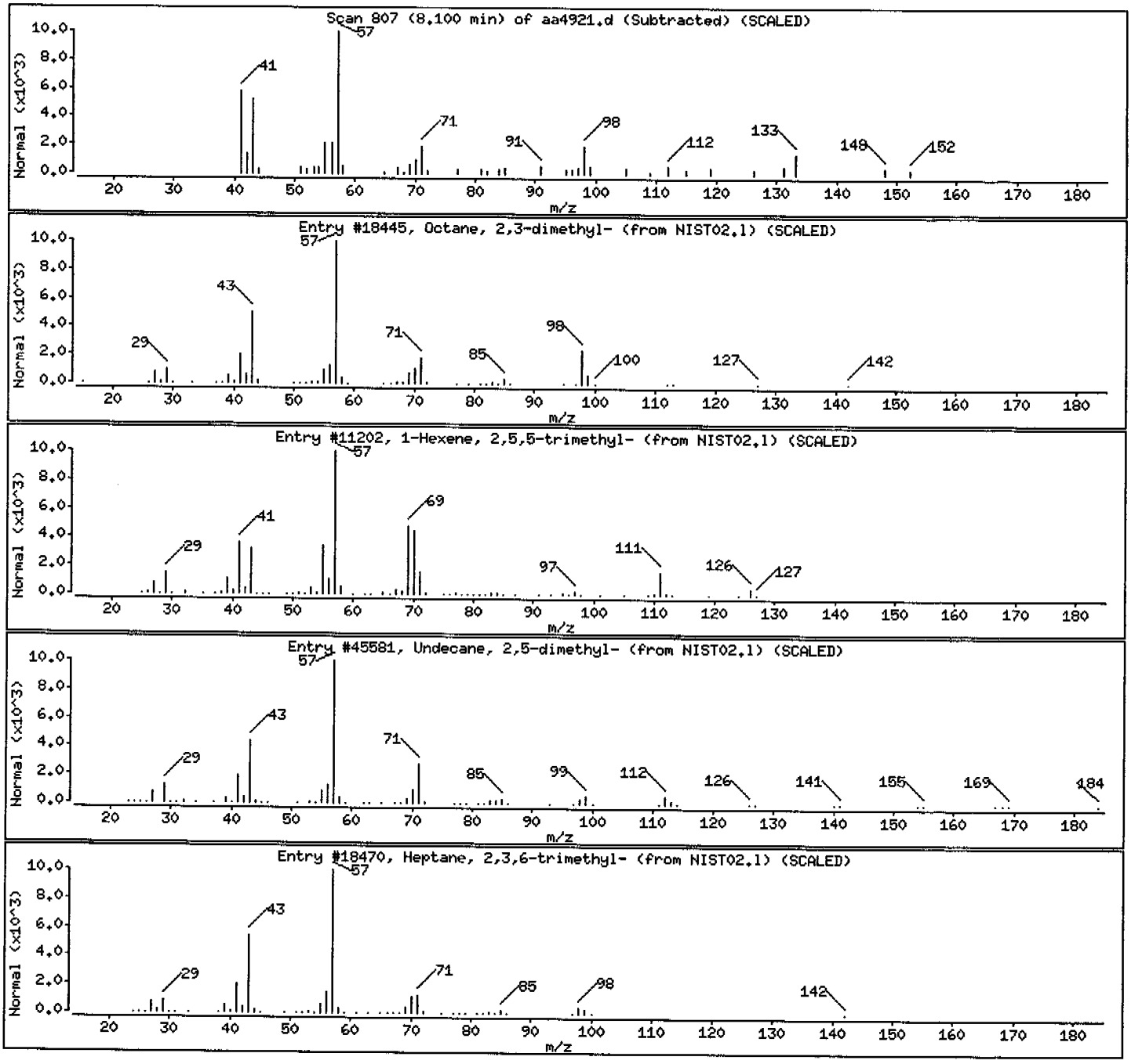
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octane, 2,3-dimethyl-	7146-60-3	NIST02.l	18445	43	C10H22	142
1-Hexene, 2,5,5-trimethyl-	62185-56-2	NIST02.l	11202	43	C9H18	126
Undecane, 2,5-dimethyl-	17301-22-3	NIST02.l	45581	43	C13H28	184
Heptane, 2,3,6-trimethyl-	4032-93-3	NIST02.l	18470	40	C10H22	142



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Date : 09-OCT-2006 00:47

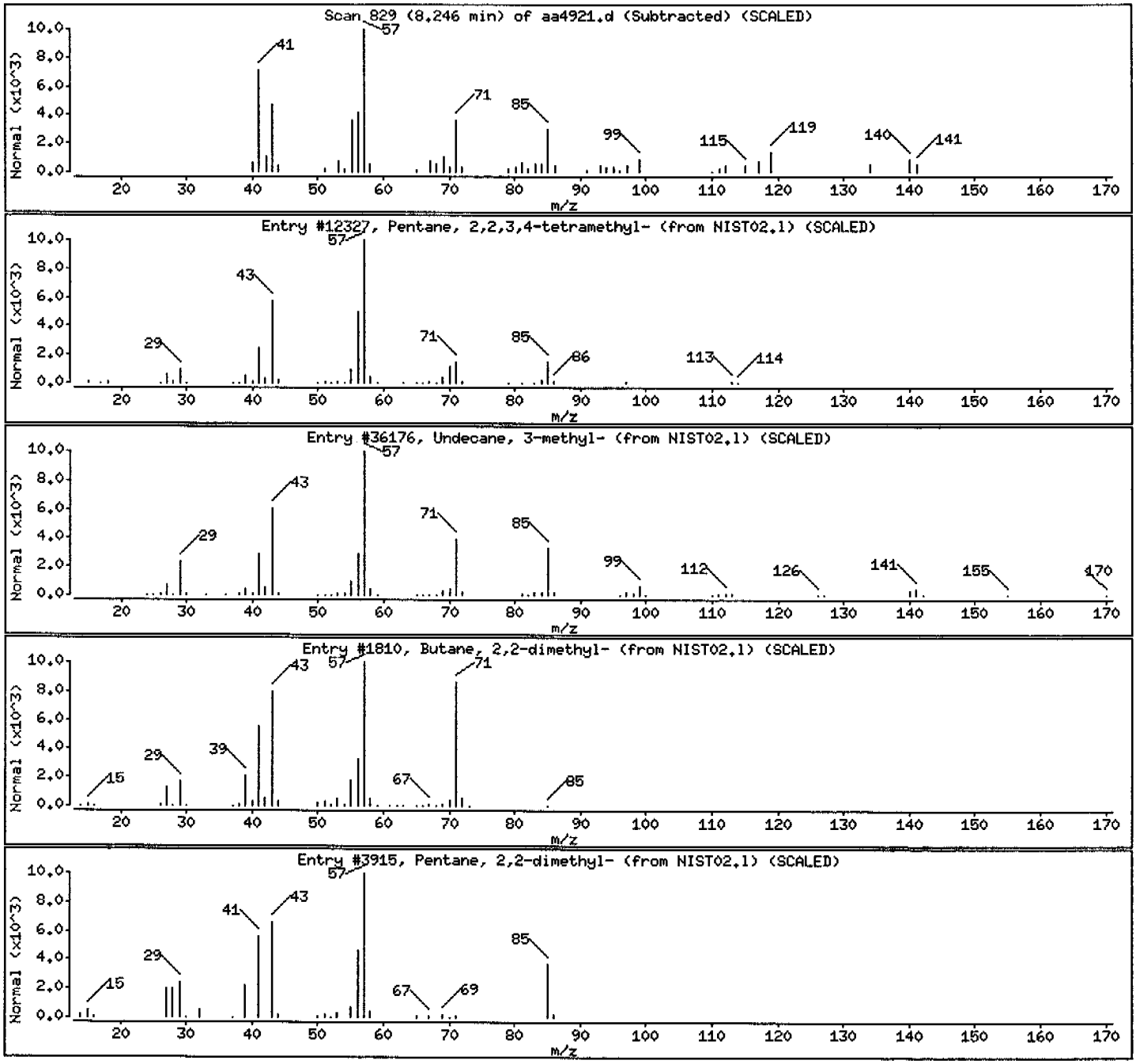
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentane, 2,2,3,4-tetramethyl-	1186-53-4	NIST02.l	12327	50	C9H20	128
Undecane, 3-methyl-	1002-43-3	NIST02.l	36176	50	C12H26	170
Butane, 2,2-dimethyl-	75-83-2	NIST02.l	1810	47	C6H14	86
Pentane, 2,2-dimethyl-	590-35-2	NIST02.l	3915	47	C7H16	100



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Date : 09-OCT-2006 00:47

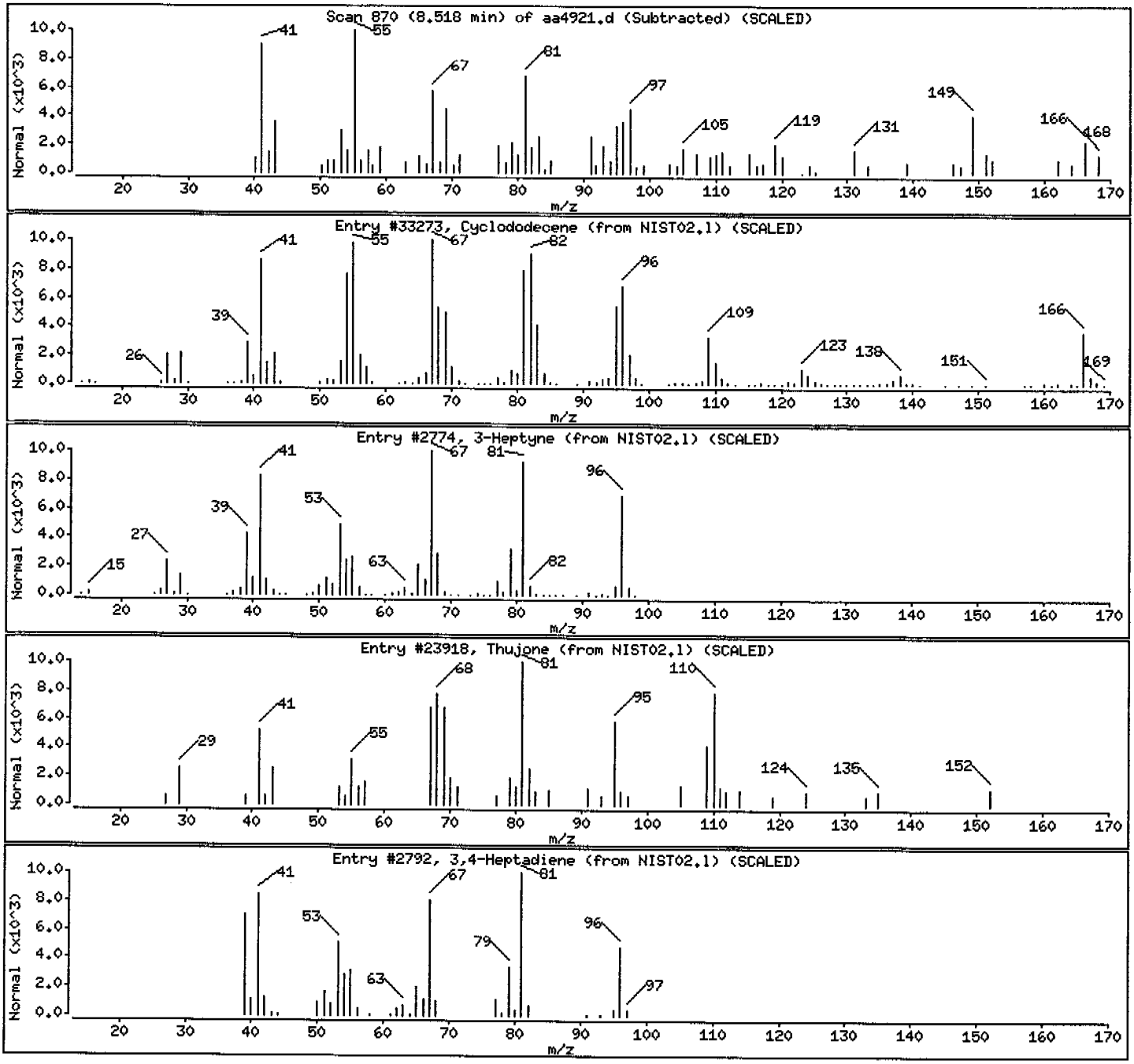
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecene	1501-82-2	NIST02.l	33273	35	C12H22	166
3-Heptyne	2586-89-2	NIST02.l	2774	35	C7H12	96
Thujone	546-80-5	NIST02.l	23918	25	C10H160	152
3,4-Heptadiene	2454-31-1	NIST02.l	2792	25	C7H12	96



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Date : 09-OCT-2006 00:47

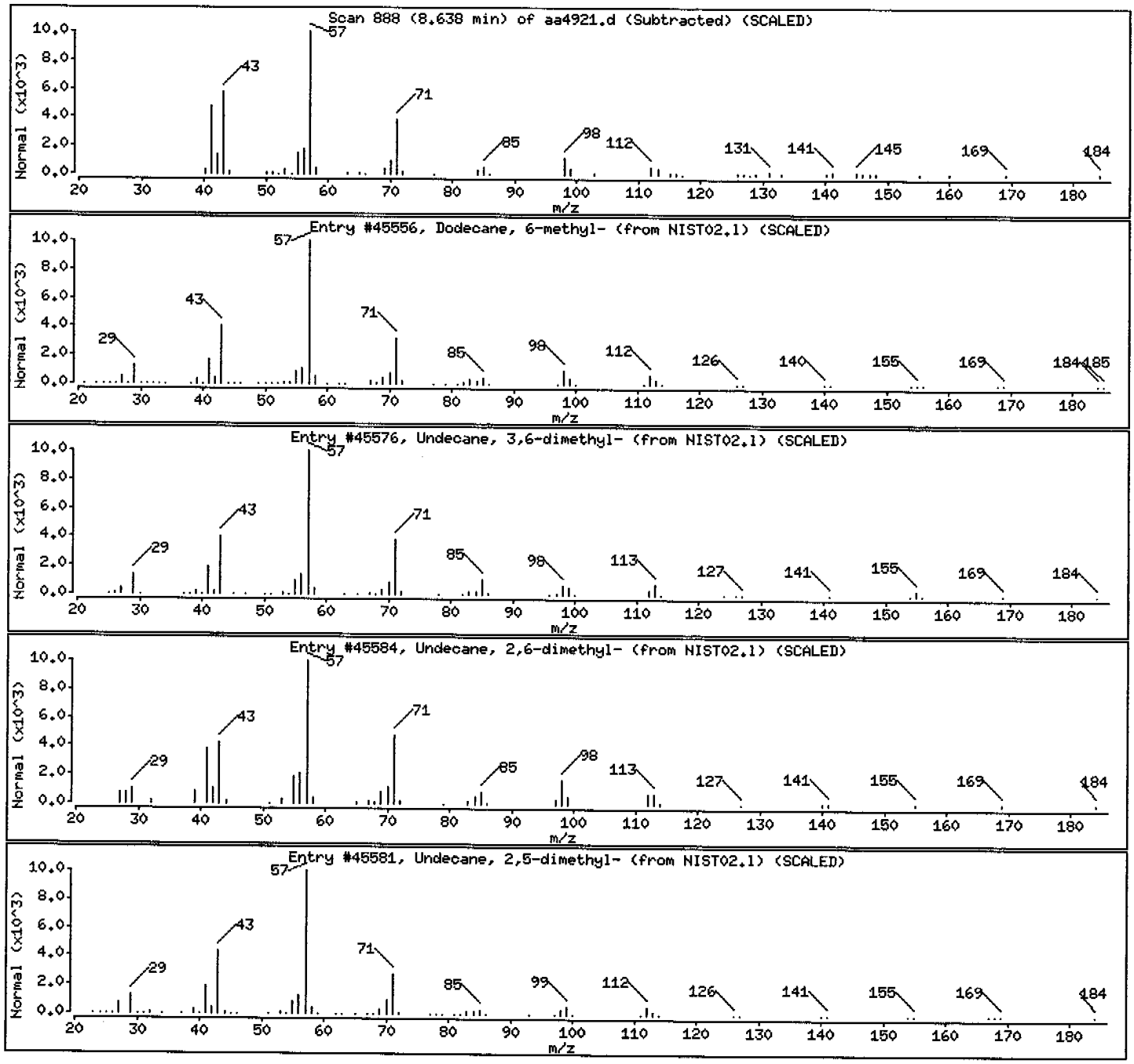
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 6-methyl-	6044-71-9	NIST02.l	45556	91	C13H28	184
Undecane, 3,6-dimethyl-	17301-28-9	NIST02.l	45576	81	C13H28	184
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45584	80	C13H28	184
Undecane, 2,5-dimethyl-	17301-22-3	NIST02.l	45581	72	C13H28	184



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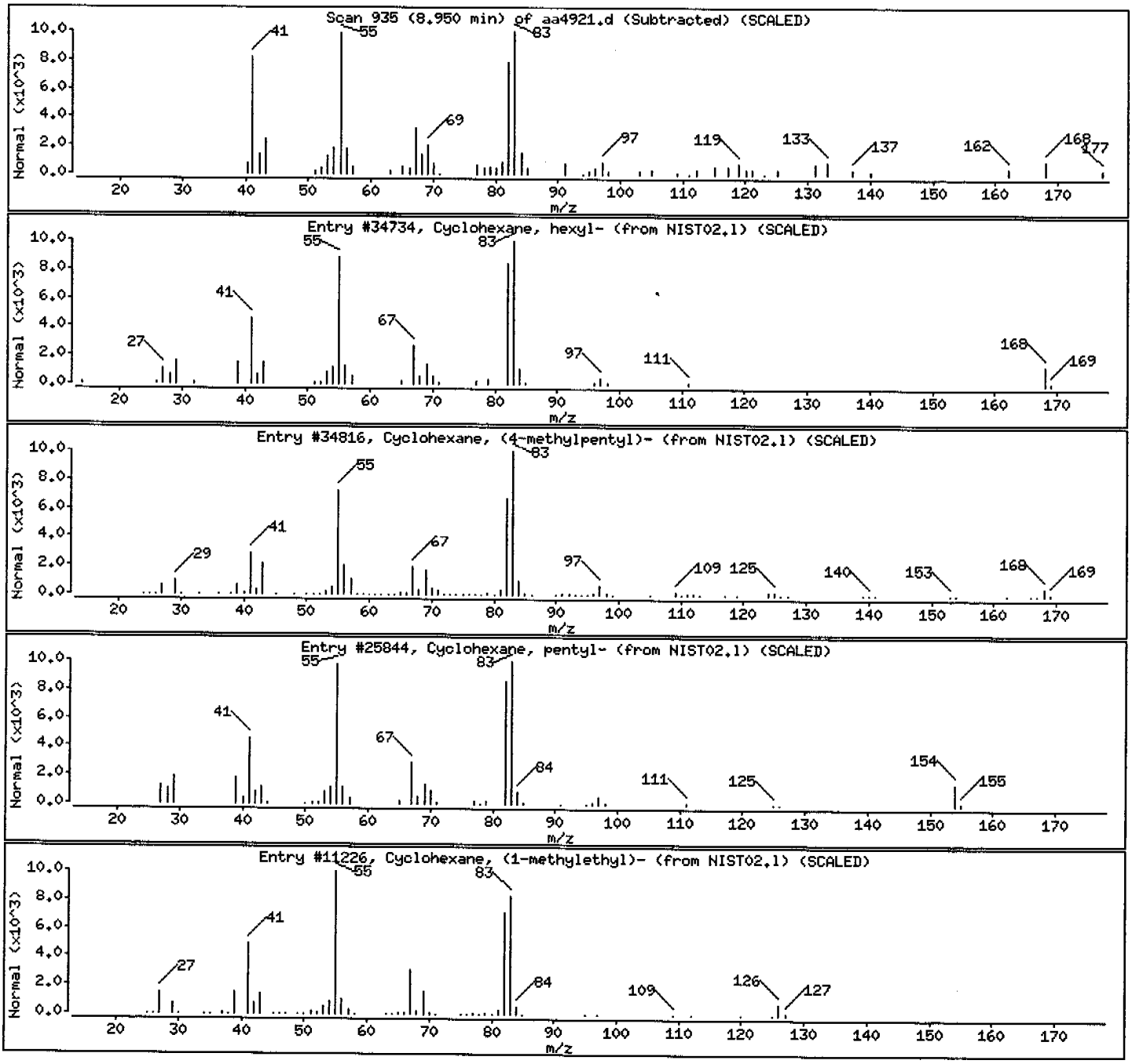
Date : 09-OCT-2006 00:47

Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Cycloalkane						
Cyclohexane, hexyl-	4292-75-5	NIST02.l	34734	87	C12H24	168
Cyclohexane, (4-methylpentyl)-	61142-20-9	NIST02.l	34816	72	C12H24	168
Cyclohexane, pentyl-	4292-92-6	NIST02.l	25844	72	C11H22	154
Cyclohexane, (1-methylethyl)-	696-29-7	NIST02.l	11226	72	C9H18	126



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Date : 09-OCT-2006 00:47

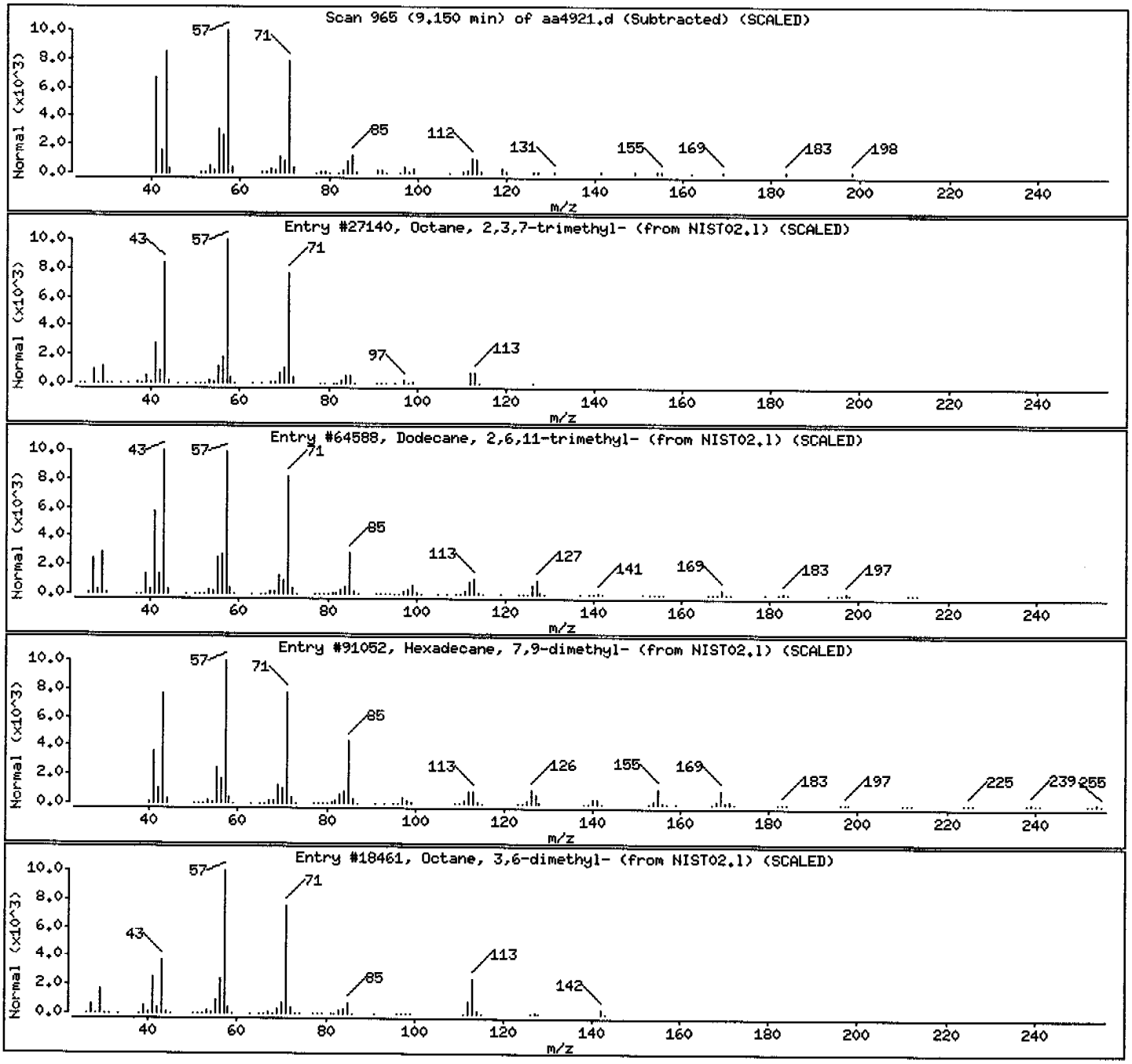
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octane, 2,3,7-trimethyl-	62016-34-6	NIST02.l	27140	78	C11H24	156
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.l	64588	78	C15H32	212
Hexadecane, 7,9-dimethyl-	21164-95-4	NIST02.l	91052	72	C18H38	254
Octane, 3,6-dimethyl-	15869-94-0	NIST02.l	18461	72	C10H22	142



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Date : 09-OCT-2006 00:47

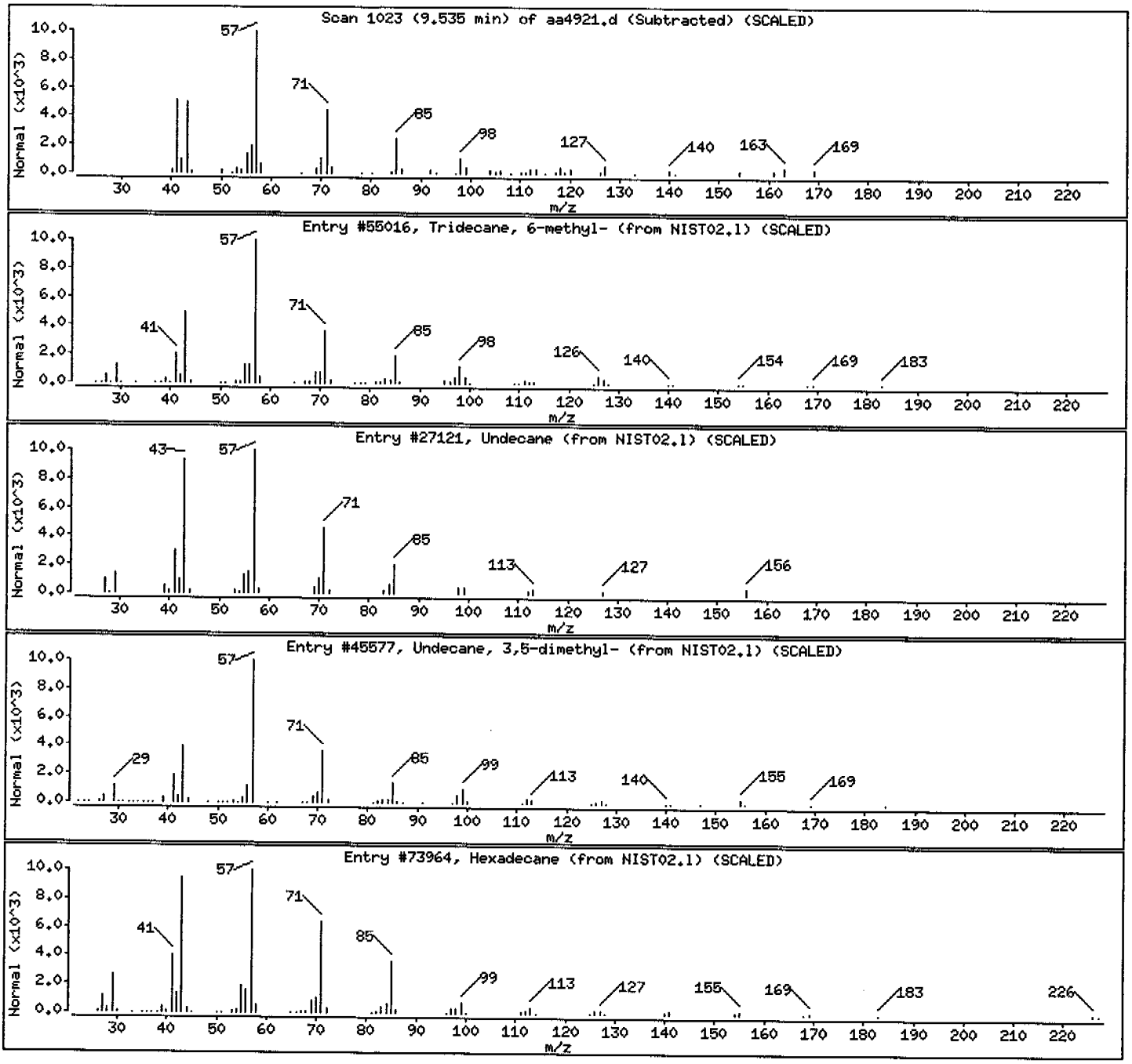
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane, 6-methyl-	13287-21-3	NIST02.l	55016	78	C14H30	198
Undecane	1120-21-4	NIST02.l	27121	64	C11H24	156
Undecane, 3,5-dimethyl-	17312-81-1	NIST02.l	45577	59	C13H28	184
Hexadecane	544-76-3	NIST02.l	73964	53	C16H34	226



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4921.d

Date : 09-OCT-2006 00:47

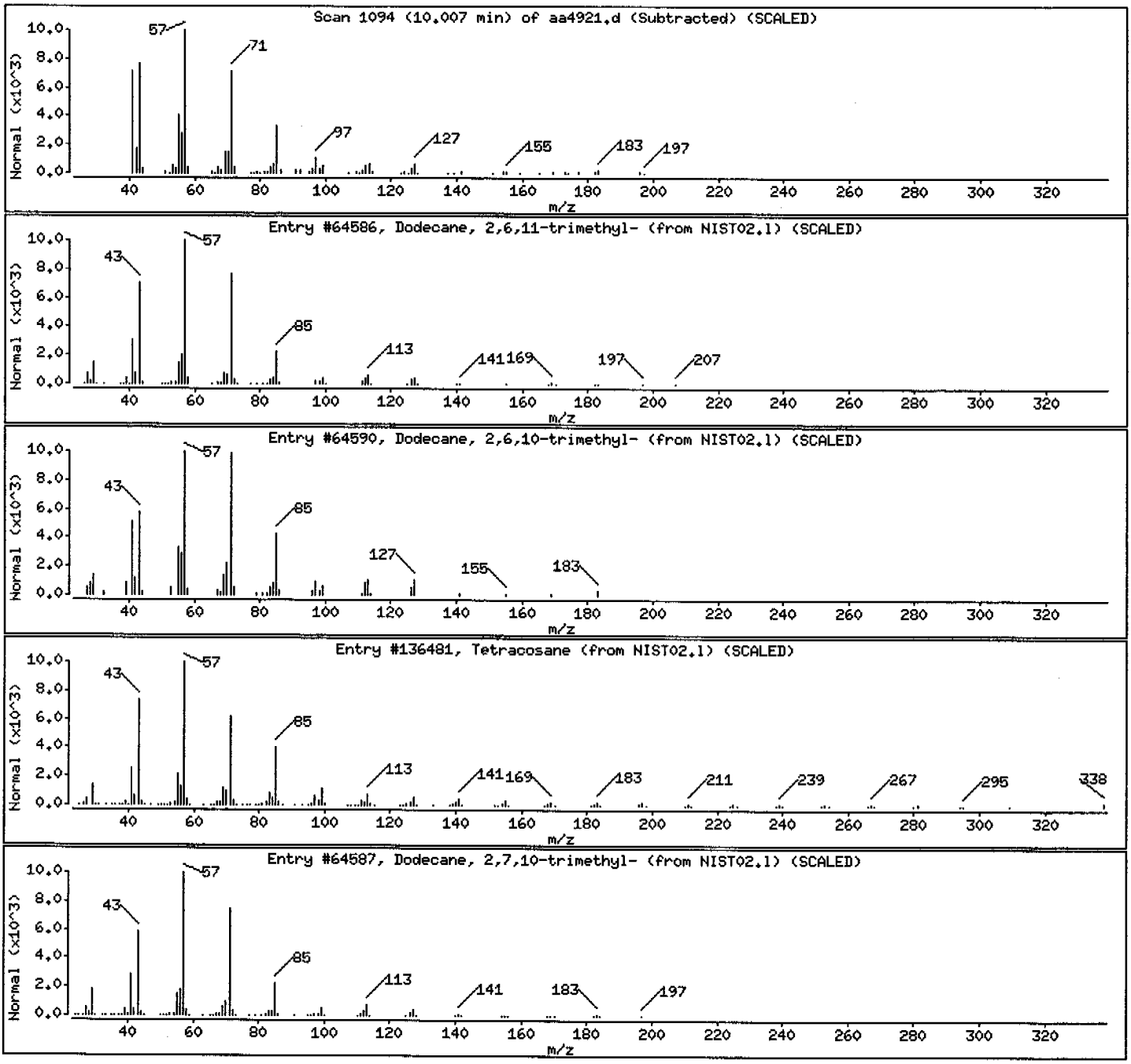
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.l	64586	90	C15H32	212
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	83	C15H32	212
Tetracosane	646-31-1	NIST02.l	136481	80	C24H50	338
Dodecane, 2,7,10-trimethyl-	74645-98-0	NIST02.l	64587	80	C15H32	212



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Date : 09-OCT-2006 00:47

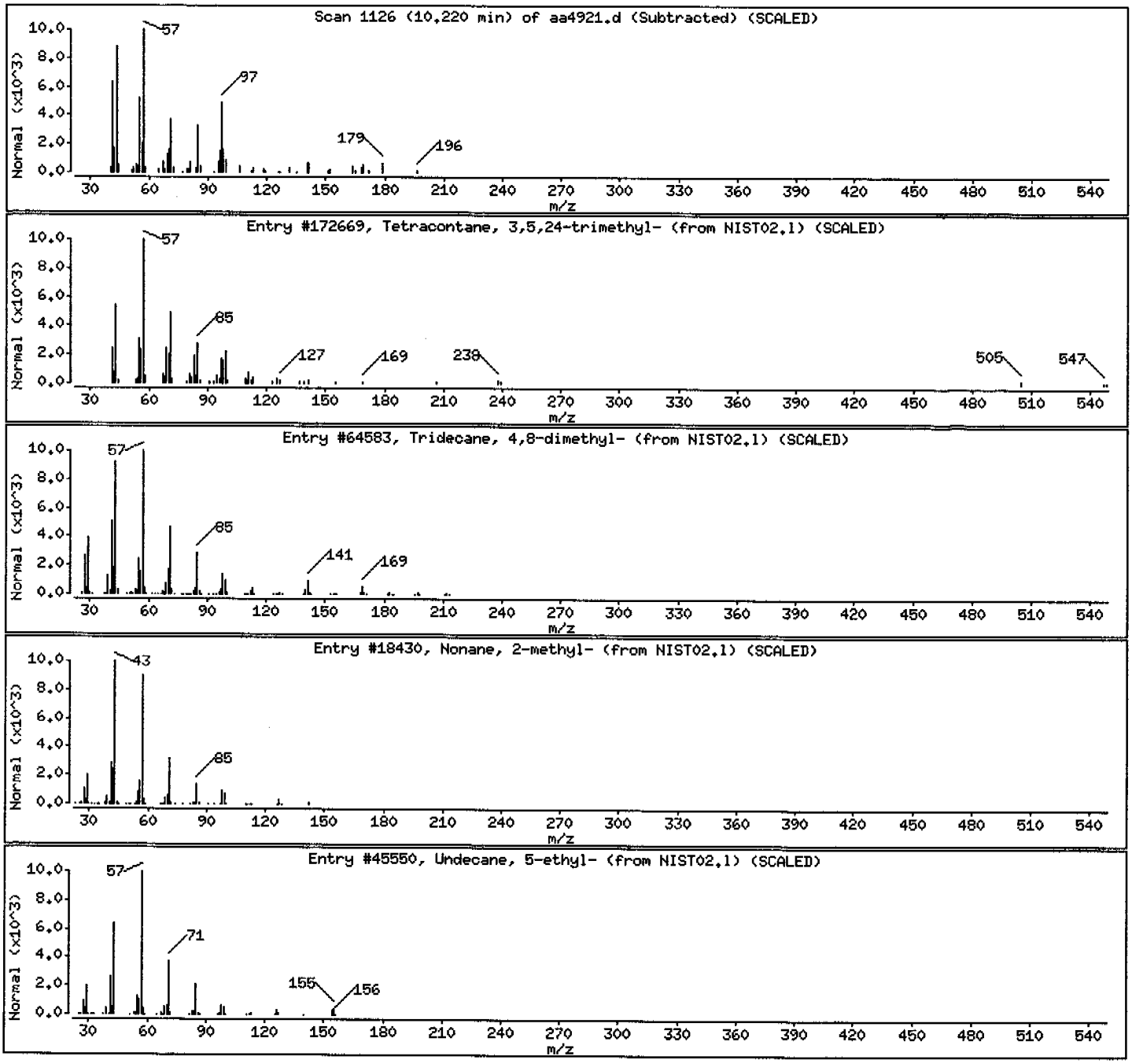
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetracontane, 3,5,24-trimethyl-	55162-61-3	NIST02.l	172669	50	C43H88	605
Tridecane, 4,8-dimethyl-	55030-62-1	NIST02.l	64583	43	C15H32	212
Nonane, 2-methyl-	871-83-0	NIST02.l	18430	38	C10H22	142
Undecane, 5-ethyl-	17453-94-0	NIST02.l	45550	38	C13H28	184



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4921.d

Date : 09-OCT-2006 00:47

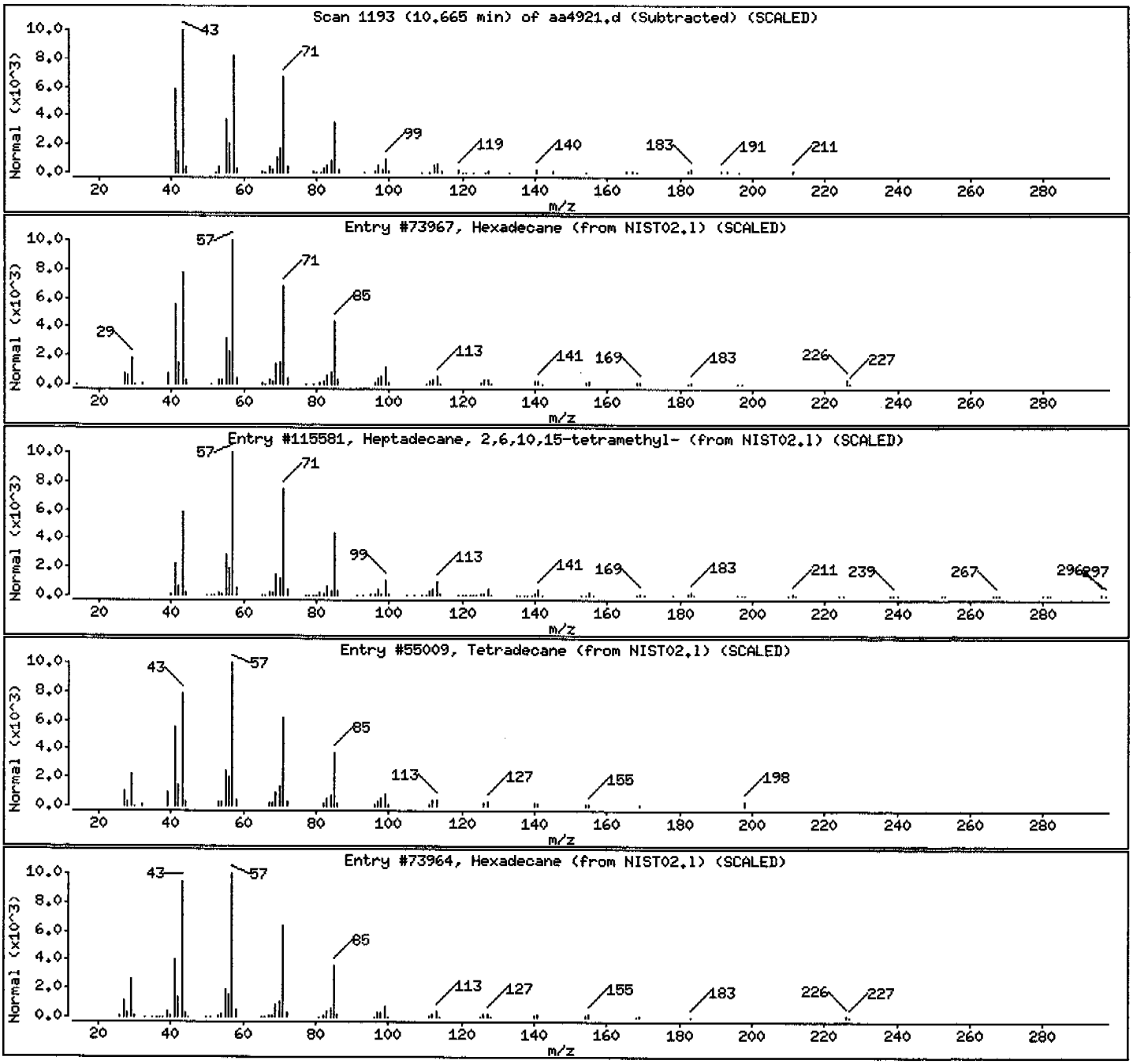
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST02.l	73967	90	C16H34	226
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST02.l	115581	90	C21H44	296
Tetradecane	629-59-4	NIST02.l	55009	90	C14H30	198
Hexadecane	544-76-3	NIST02.l	73964	78	C16H34	226



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Date : 09-OCT-2006 00:47

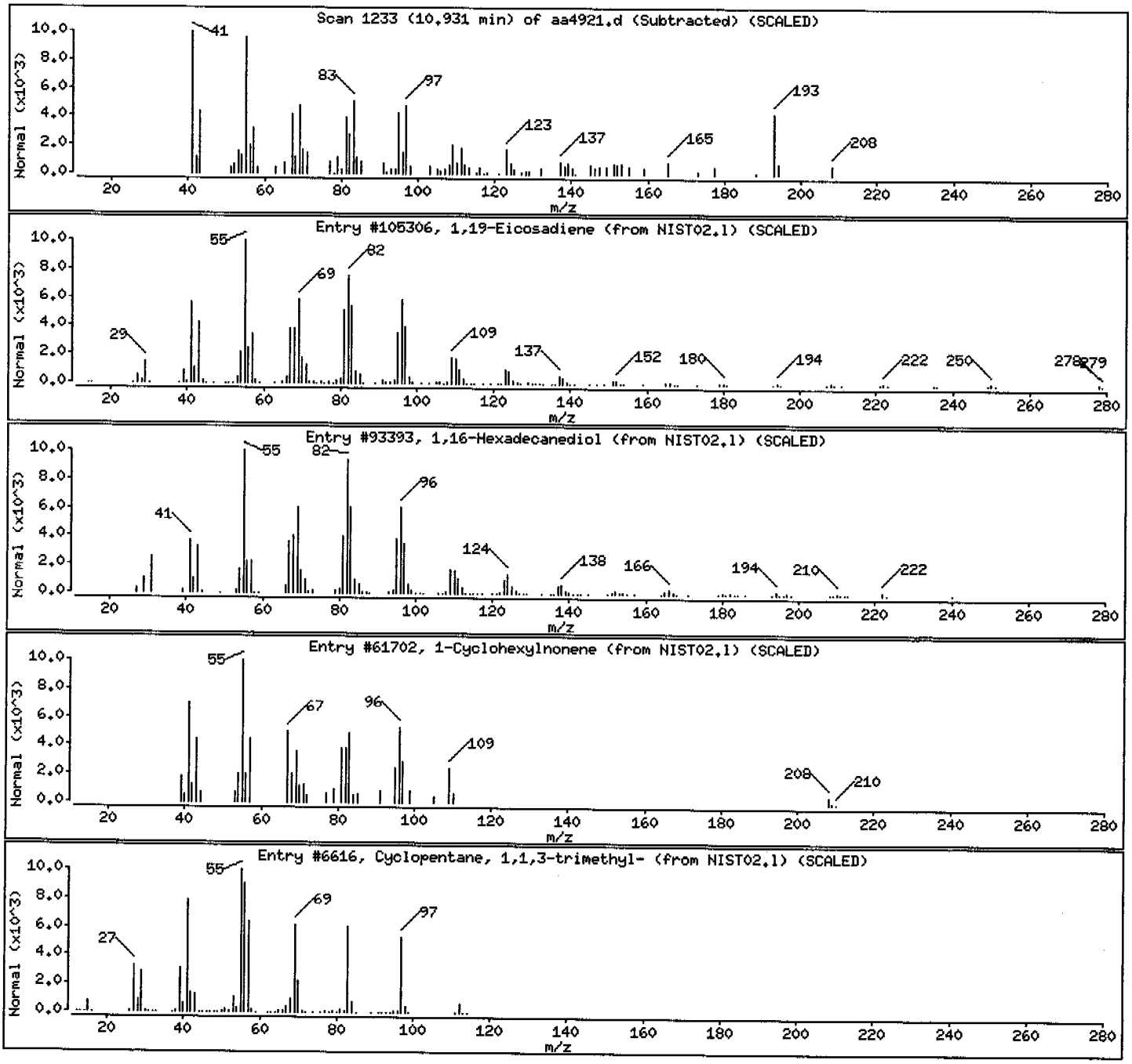
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,19-Eicosadiene	14811-95-1	NIST02.l	105306	64	C20H38	278
1,16-Hexadecanediol	7735-42-4	NIST02.l	93393	53	C16H34O2	258
1-Cyclohexylnonene	114614-84-5	NIST02.l	61702	46	C15H28	208
Cyclopentane, 1,1,3-trimethyl-	4516-69-2	NIST02.l	6616	35	C8H16	112



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Date : 09-OCT-2006 00:47

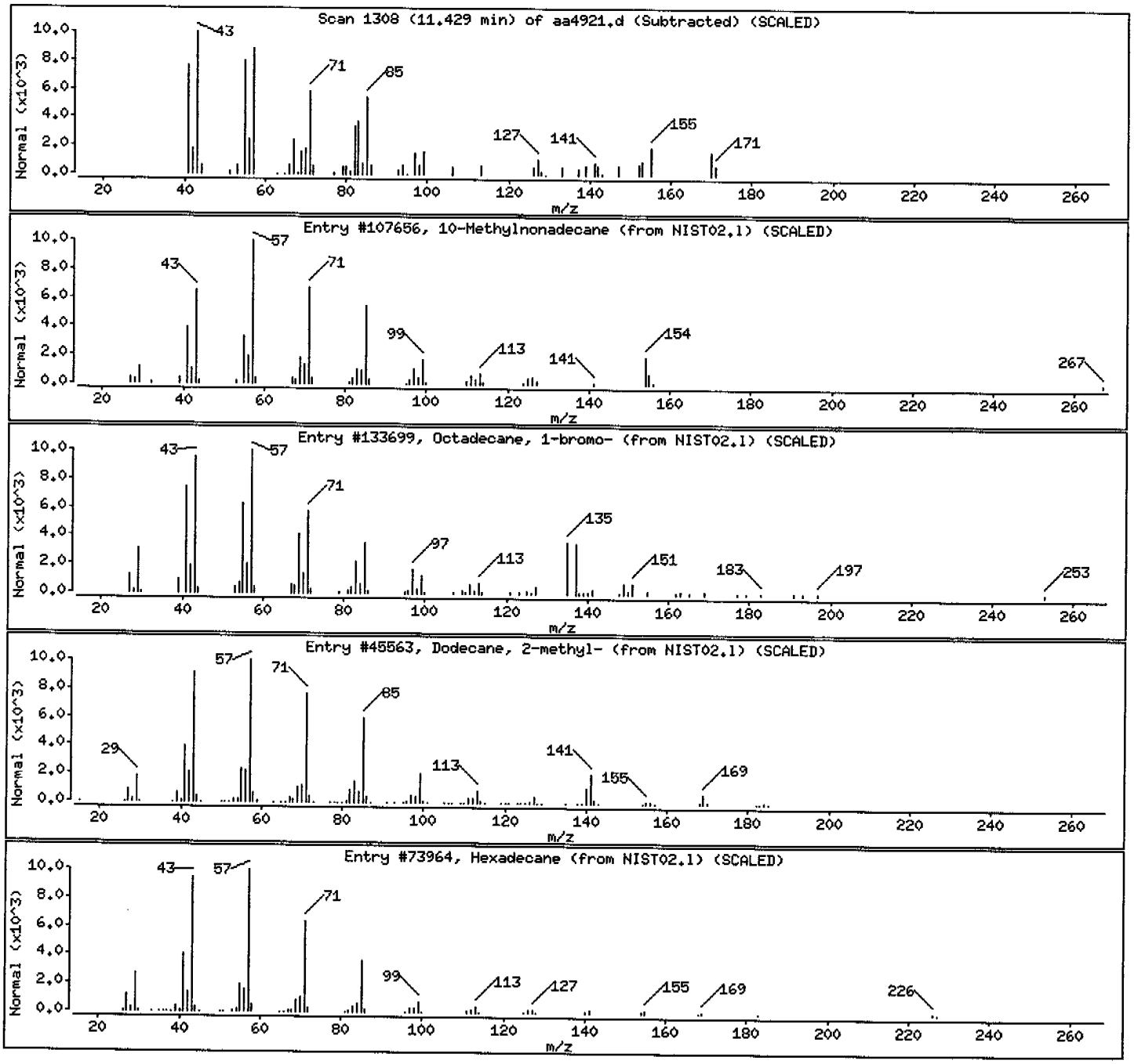
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
10-Methylnonadecane	56862-62-5	NIST02.l	107656	49	C20H42	282
Octadecane, 1-bromo-	112-89-0	NIST02.l	133699	46	C18H37Br	332
Dodecane, 2-methyl-	1560-97-0	NIST02.l	45563	43	C13H28	184
Hexadecane	544-76-3	NIST02.l	73964	43	C16H34	226



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Date : 09-OCT-2006 00:47

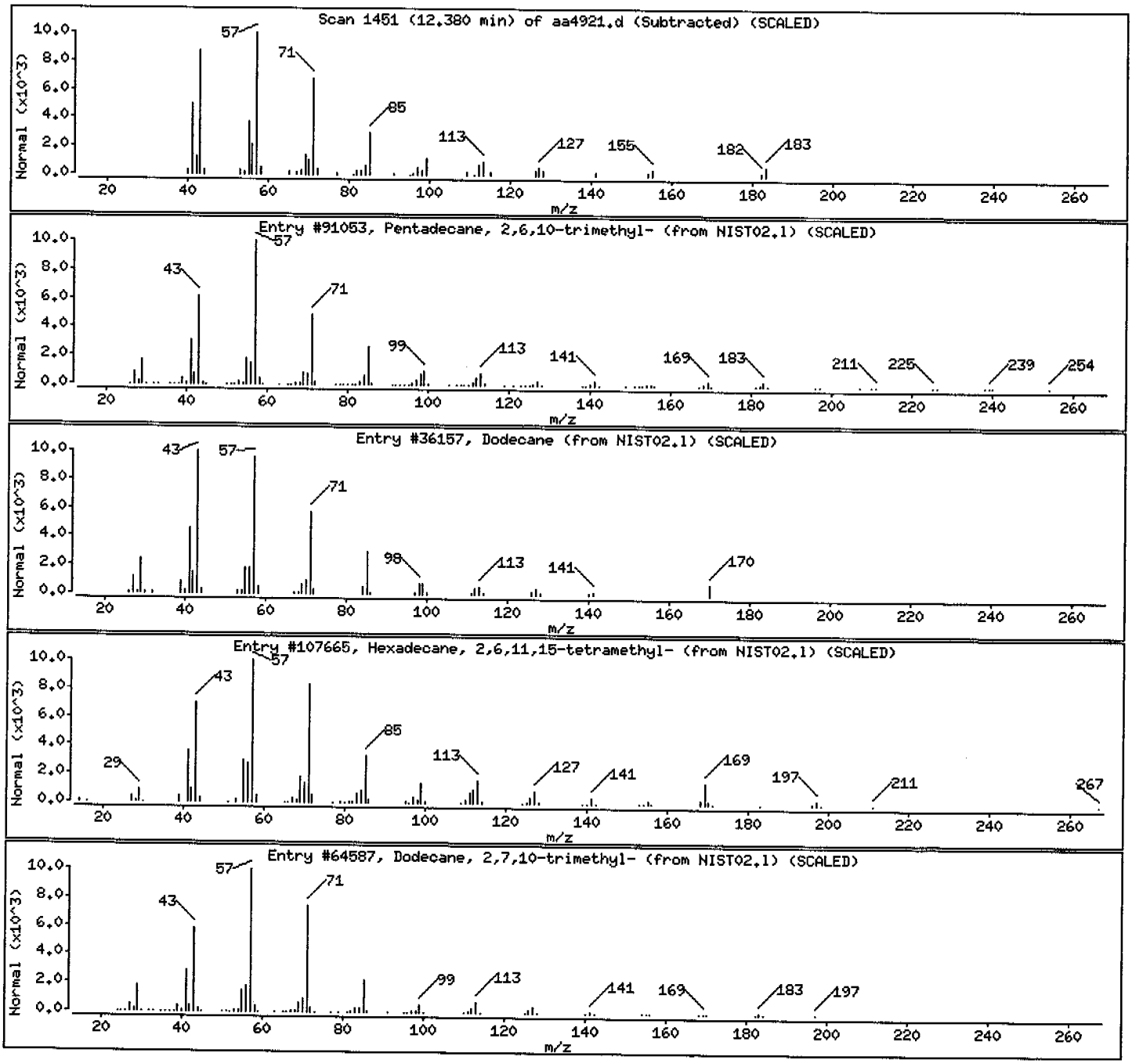
Client ID: B604-SS02 Instrument: BNAMS8.i

Sample Info: 775585;3285400

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane, 2,6,10-trimethyl-	3892-00-0	NIST02.l	91053	90	C18H38	254
Dodecane	112-40-3	NIST02.l	36157	86	C12H26	170
Hexadecane, 2,6,11,15-tetramethyl-	504-44-9	NIST02.l	107665	86	C20H42	282
Dodecane, 2,7,10-trimethyl-	74645-98-0	NIST02.l	64587	86	C15H32	212



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d
Report Date: 12-Oct-2006 11:15

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

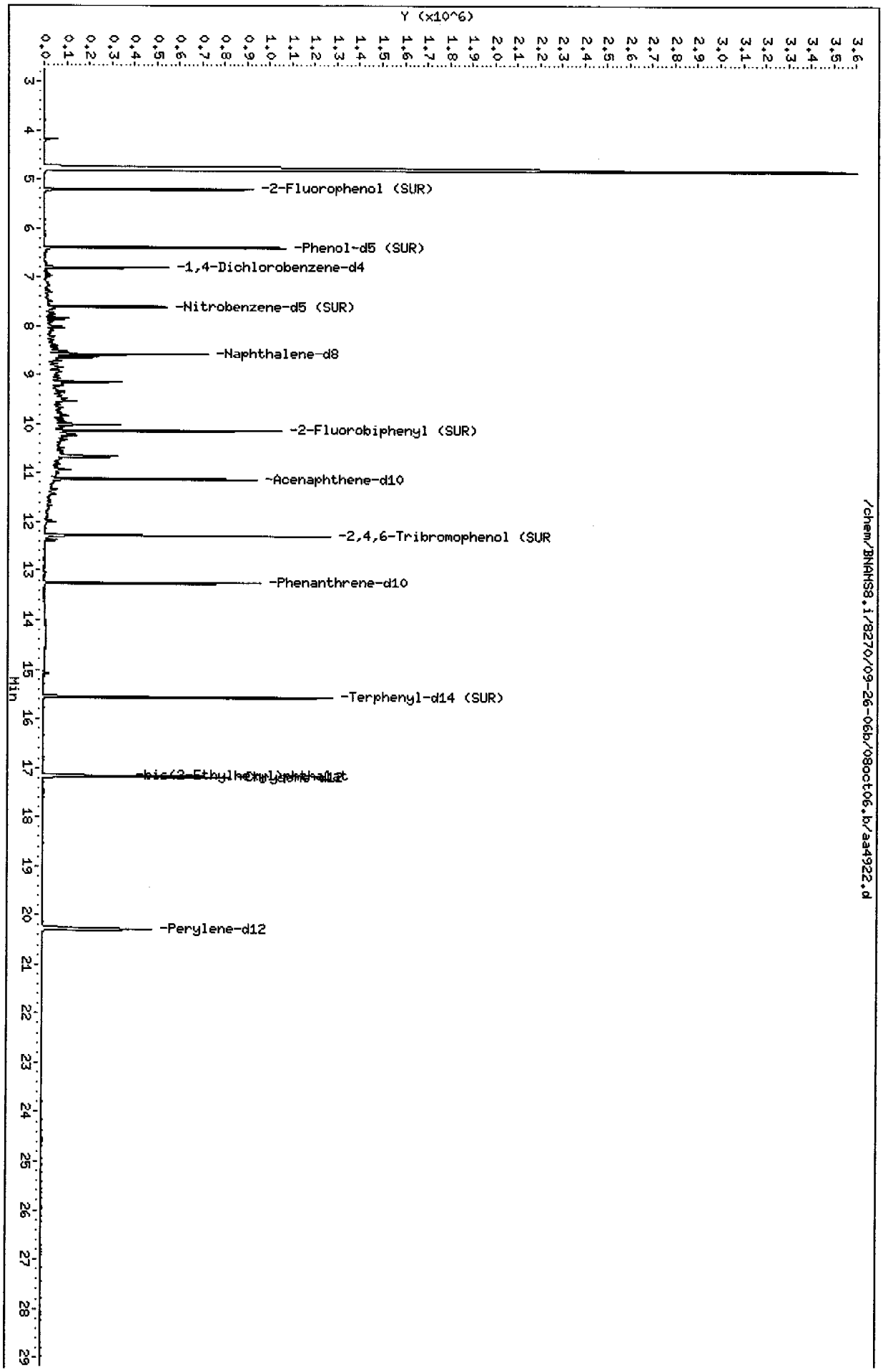
Data file : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d
Lab Smp Id: 775586 Client Smp ID: B604-SS03
Inj Date : 09-OCT-2006 01:25
Operator : BNAMS 4 Inst ID: BNAMS8.i
Smp Info : 775586;3285417
Misc Info : X967;SB279A;QA4674
Comment :
Method : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 07:20 monica Quant Type: ISTD
Cal Date : 26-SEP-2006 23:38 Cal File: aa4692.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	19.40000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.204	5.194	(0.765)	220225	104.969	8700
$ 17 Phenol-d5 (SUR)	99	6.394	6.390	(0.940)	365528	95.0659	7900
* 79 1,4-Dichlorobenzene-d4	152	6.800	6.803	(1.000)	86728	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.604	7.607	(0.887)	206289	47.9414	4000
* 80 Naphthalene-d8	136	8.574	8.577	(1.000)	307413	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.129	10.132	(0.911)	331763	45.2307	3700
* 82 Acenaphthene-d10	164	11.120	11.123	(1.000)	249719	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.283	12.286	(1.105)	237966	89.7187	7400
* 83 Phenanthrene-d10	188	13.253	13.256	(1.000)	401782	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.559	15.562	(0.906)	498591	49.0309	4000
63 bis(2-Ethylhexyl)phthalate	149	17.148	17.157	(0.998)	86797	7.06226	580
* 81 Chrysene-d12	240	17.174	17.184	(1.000)	537460	40.0000	
* 84 Perylene-d12	264	20.278	20.295	(1.000)	500552	40.0000	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Date : 09-OCT-2006 01:25
Client ID: B604-SS03
Sample Info: 775586;3285417
Column phase: DB-5
Instrument: BNAMS8.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Perylene-d12

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d

Date : 09-OCT-2006 01:25

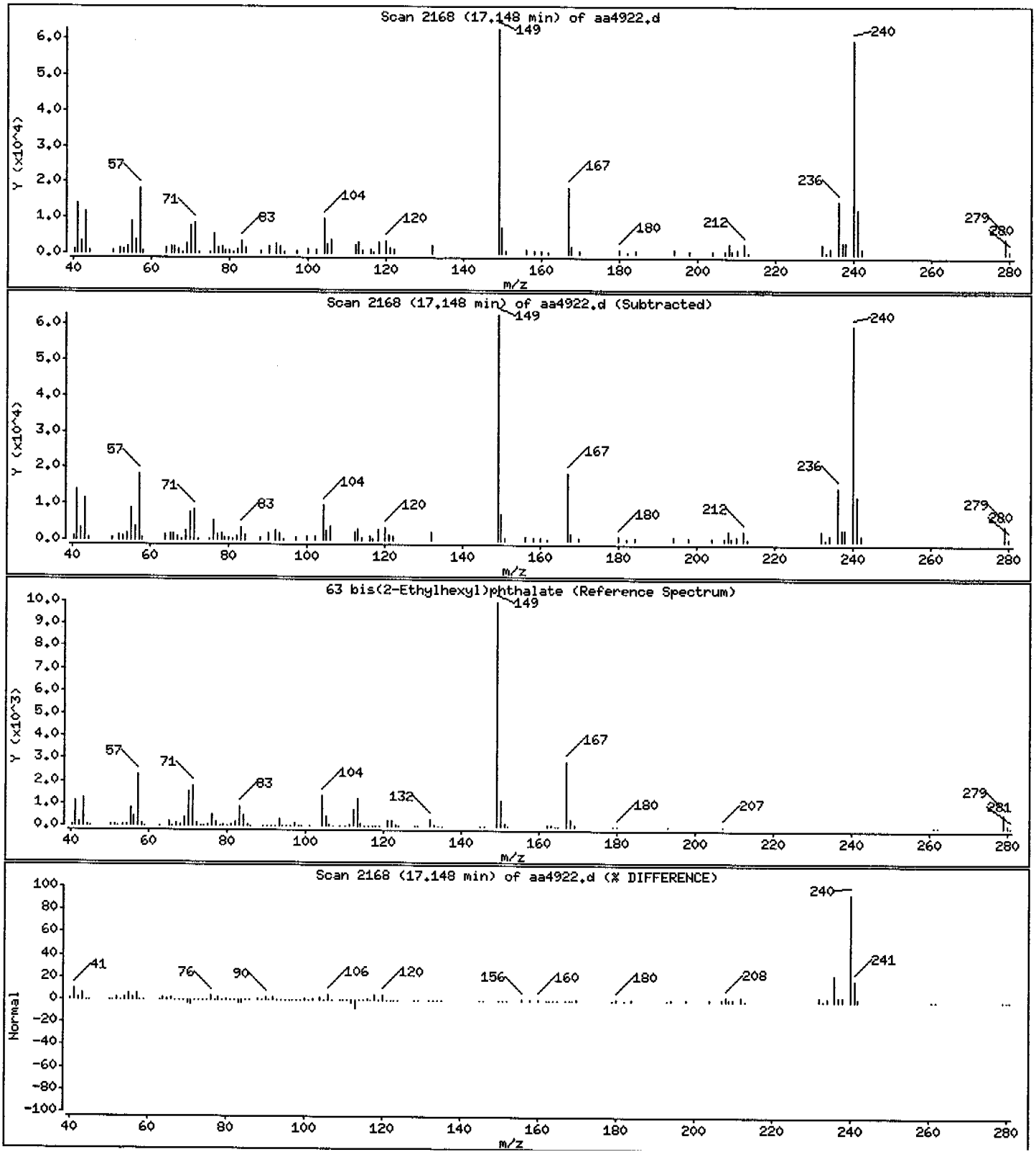
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate Concentration: 580 ug/Kg



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Date : 09-OCT-2006 01:25

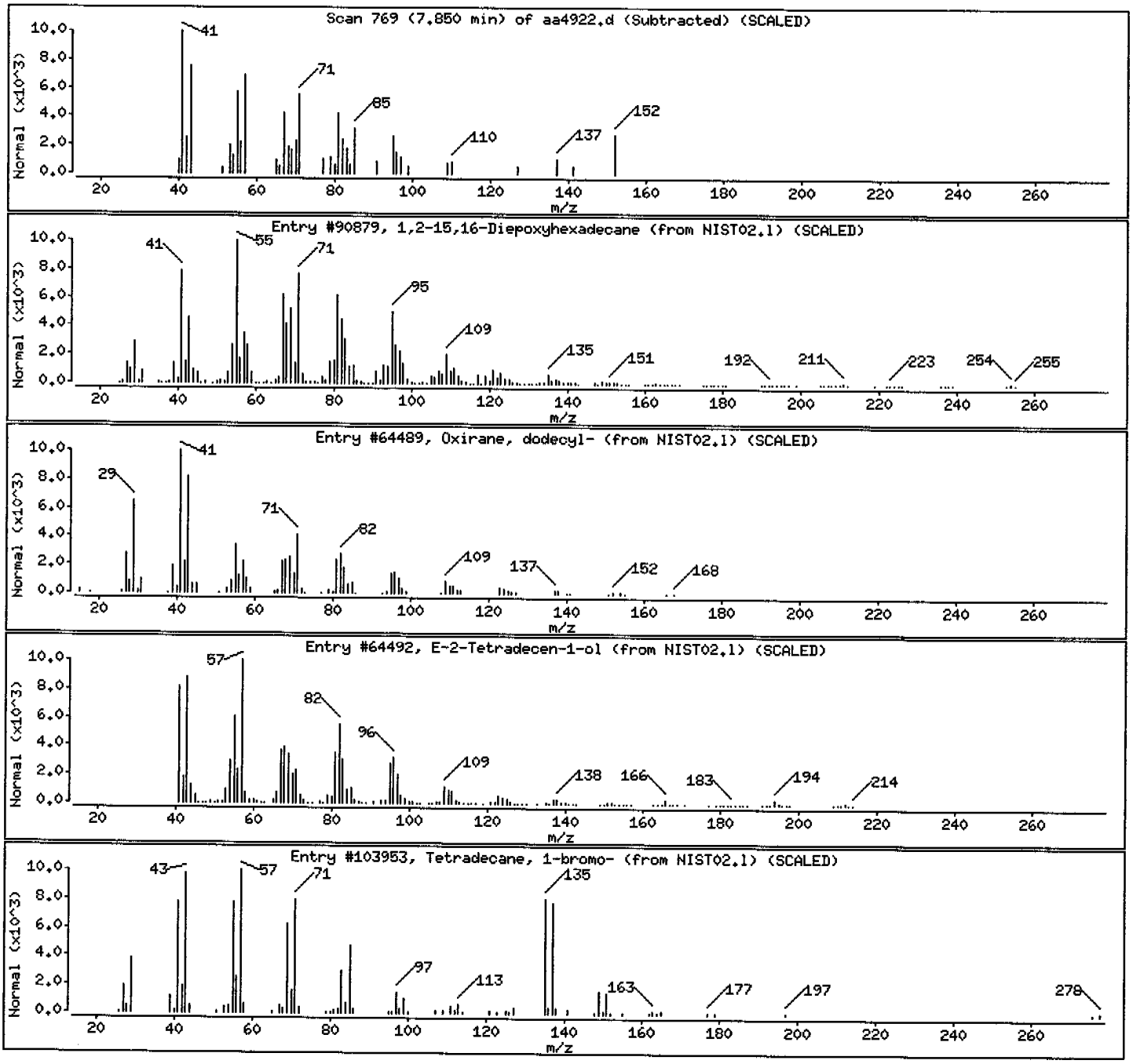
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,2-15,16-Diepoxyhexadecane	1000192-65-0	NIST02.l	90879	35	C16H30O2	254
Oxirane, dodecyl-	3234-28-4	NIST02.l	64489	27	C14H28O	212
E-2-Tetradecen-1-ol	1000130-83-7	NIST02.l	64492	22	C14H28O	212
Tetradecane, 1-bromo-	112-71-0	NIST02.l	103953	22	C14H29Br	276



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d

Date : 09-OCT-2006 01:25

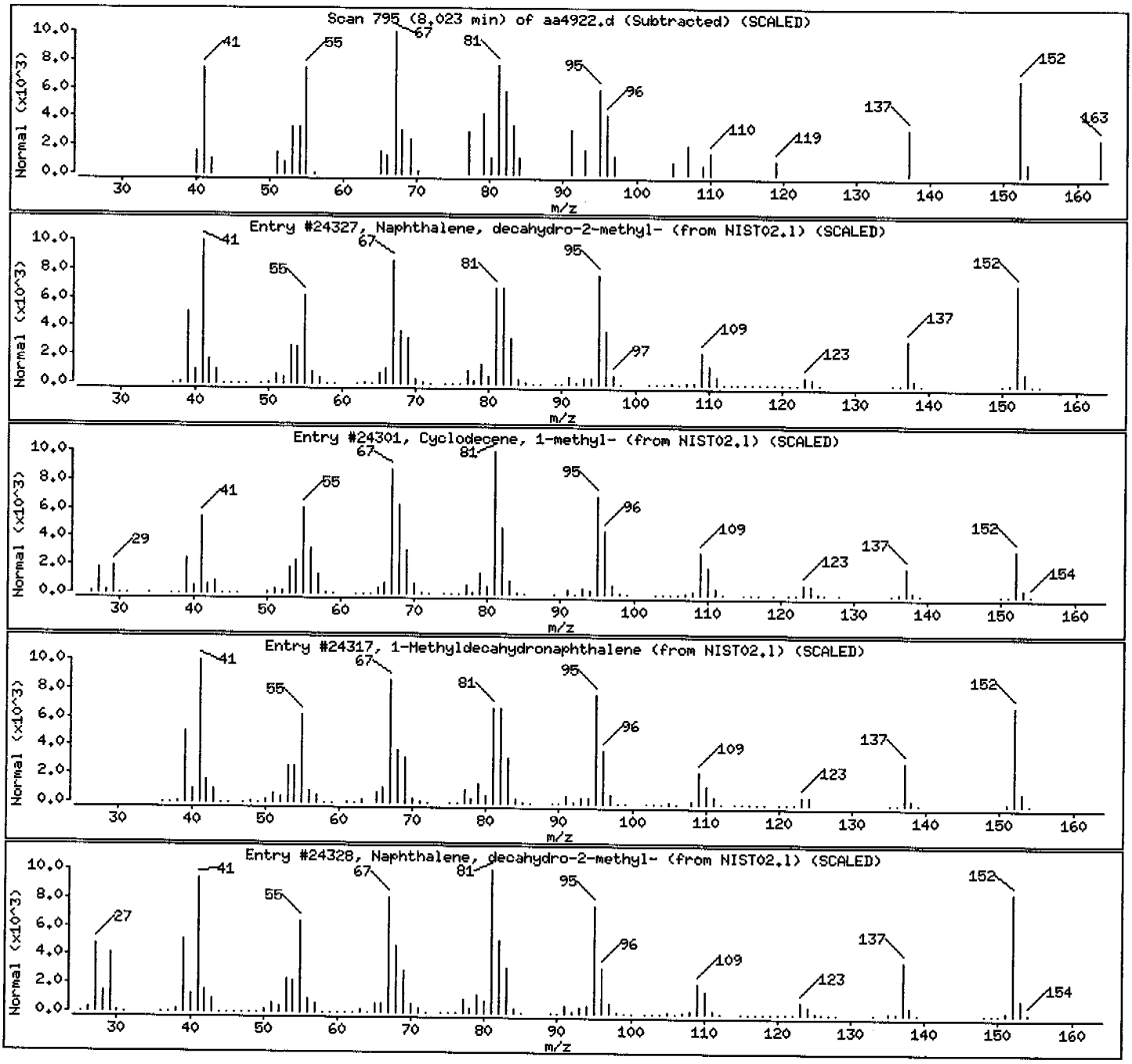
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24327	64	C11H20	152
Cyclodecene, 1-methyl-	66633-38-3	NIST02.l	24301	64	C11H20	152
1-Methyldecahydronaphthalene	2958-75-0	NIST02.l	24317	64	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST02.l	24328	60	C11H20	152



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Date : 09-OCT-2006 01:25

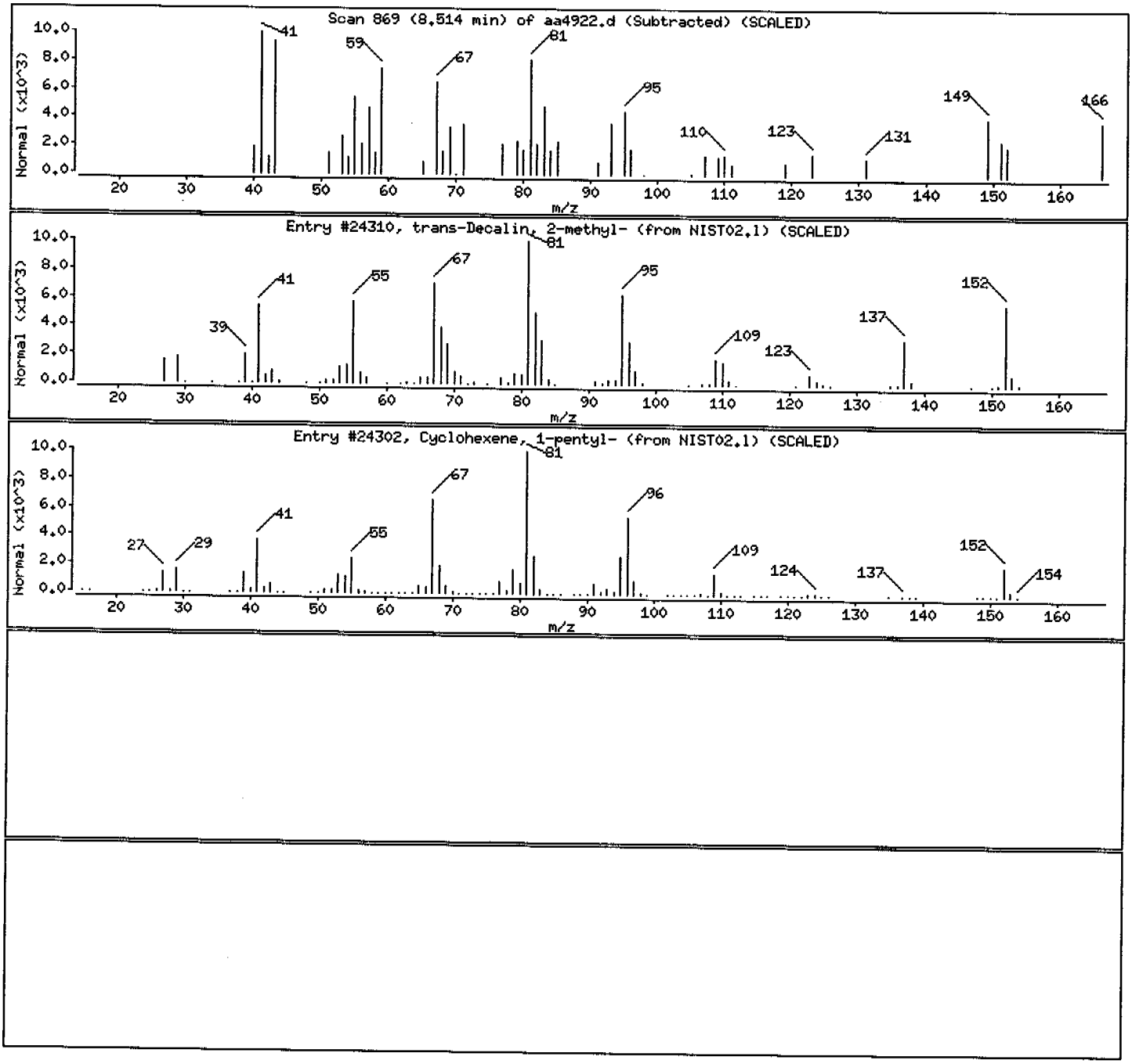
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
trans-Decalin, 2-methyl-	1000152-47-3	NIST02.l	24310	35	C11H20	152
Cyclohexene, 1-pentyl-	15232-85-6	NIST02.l	24302	25	C11H20	152



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Date : 09-OCT-2006 01:25

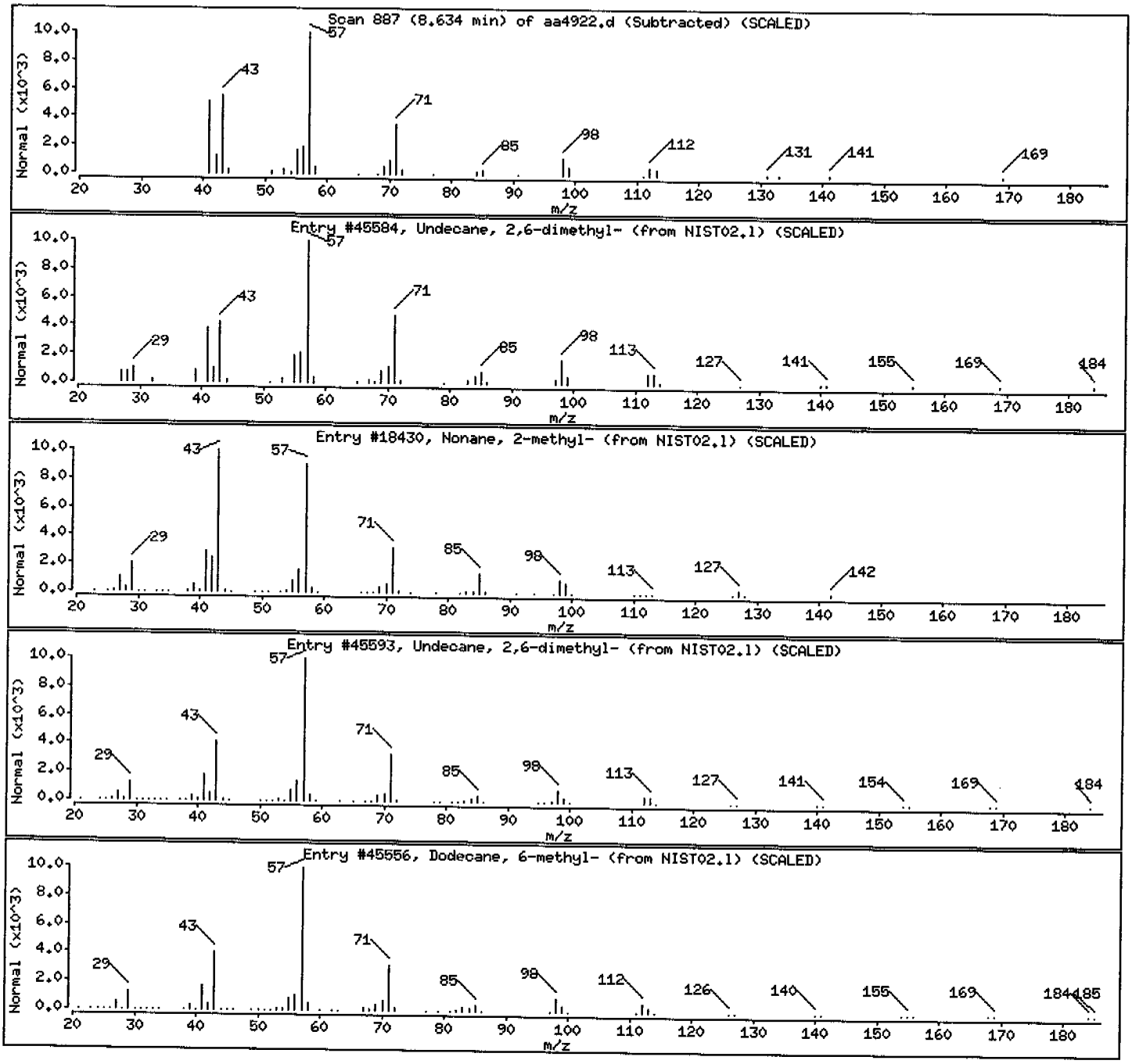
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45584	83	C13H28	184
Nonane, 2-methyl-	871-83-0	NIST02.l	18430	72	C10H22	142
Undecane, 2,6-dimethyl-	17301-23-4	NIST02.l	45593	72	C13H28	184
Dodecane, 6-methyl-	6044-71-9	NIST02.l	45556	72	C13H28	184



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Date : 09-OCT-2006 01:25

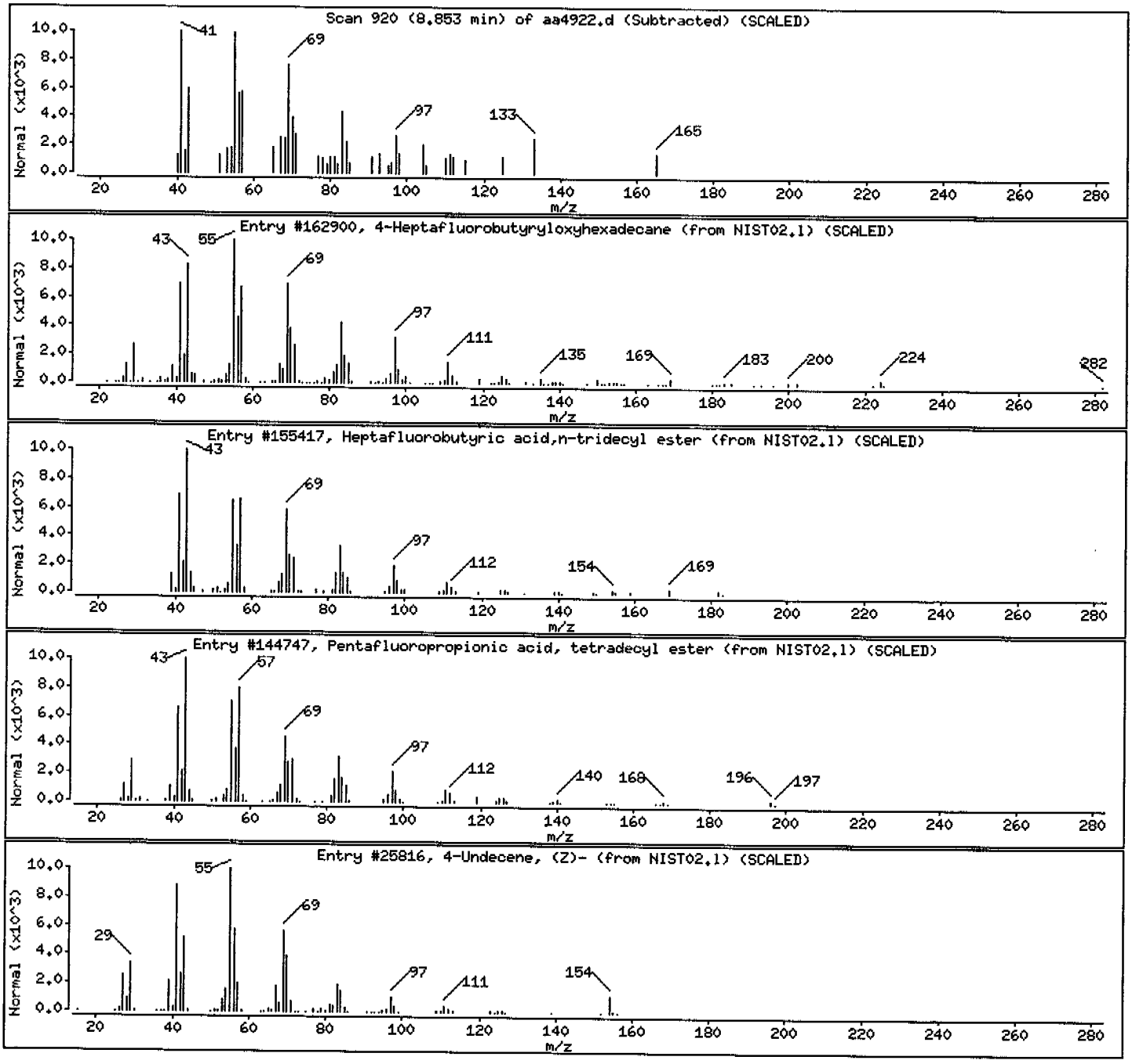
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Heptafluorobutyryloxyhexadecane	1000282-97-2	NIST02.l	162900	74	C20H33F7O2	438
Heptafluorobutyric acid,n-tridecyl ester	1000216-78-9	NIST02.l	155417	72	C17H27F7O2	396
Pentafluoropropionic acid, tetradecyl es	6222-06-6	NIST02.l	144747	72	C17H29F5O2	360
4-Undecene, (Z)-	821-98-7	NIST02.l	25816	53	C11H22	154



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d

Date : 09-OCT-2006 01:25

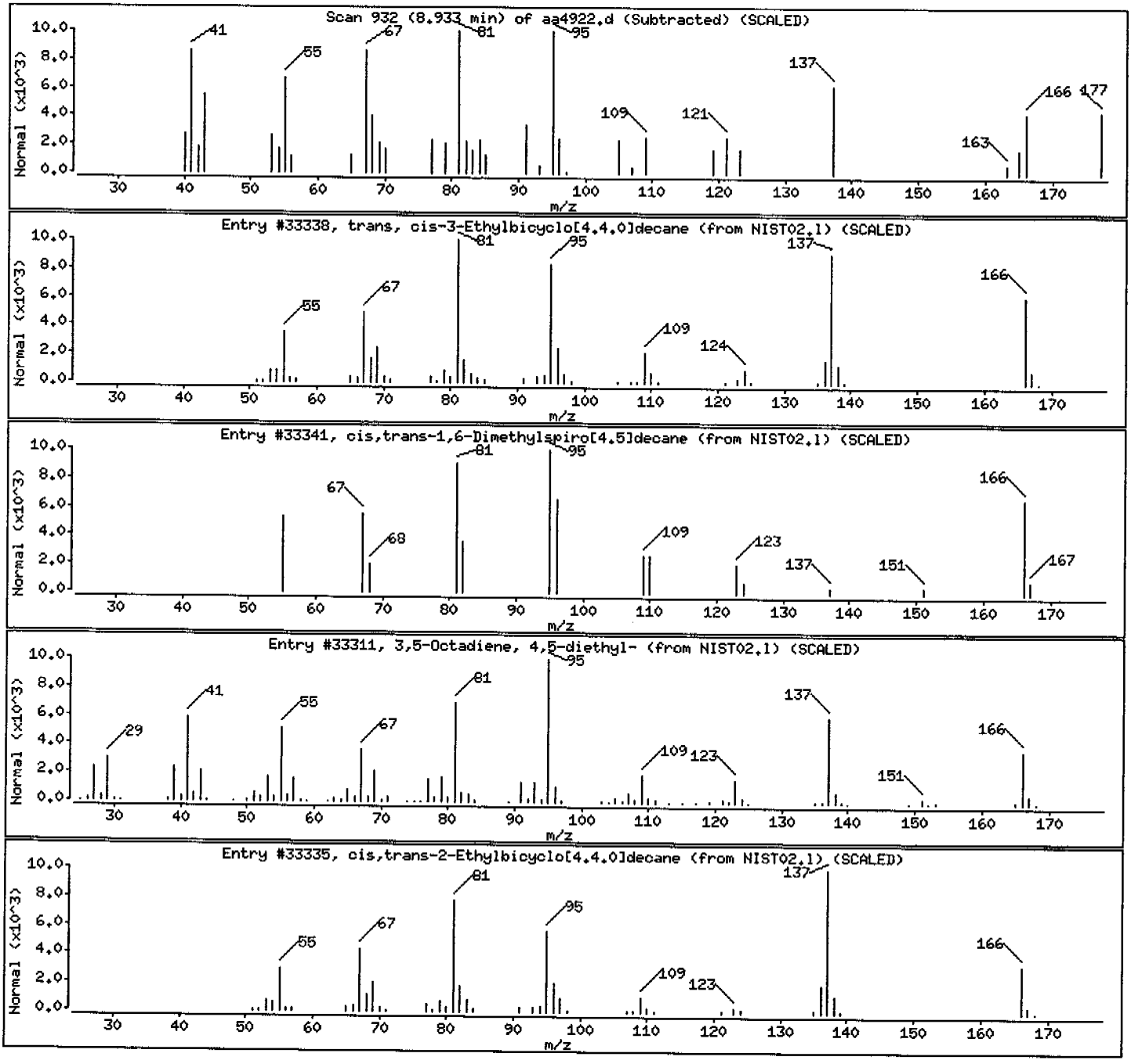
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
trans, cis-3-Ethylbicyclo[4.4.0]decane	66660-43-3	NIST02.l	33338	59	C12H22	166
cis,trans-1,6-Dimethylspiro[4.5]decane	1000111-72-3	NIST02.l	33341	53	C12H22	166
3,5-Octadiene, 4,5-diethyl-	67652-84-0	NIST02.l	33311	49	C12H22	166
cis,trans-2-Ethylbicyclo[4.4.0]decane	66660-38-6	NIST02.l	33335	47	C12H22	166



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Date : 09-OCT-2006 01:25

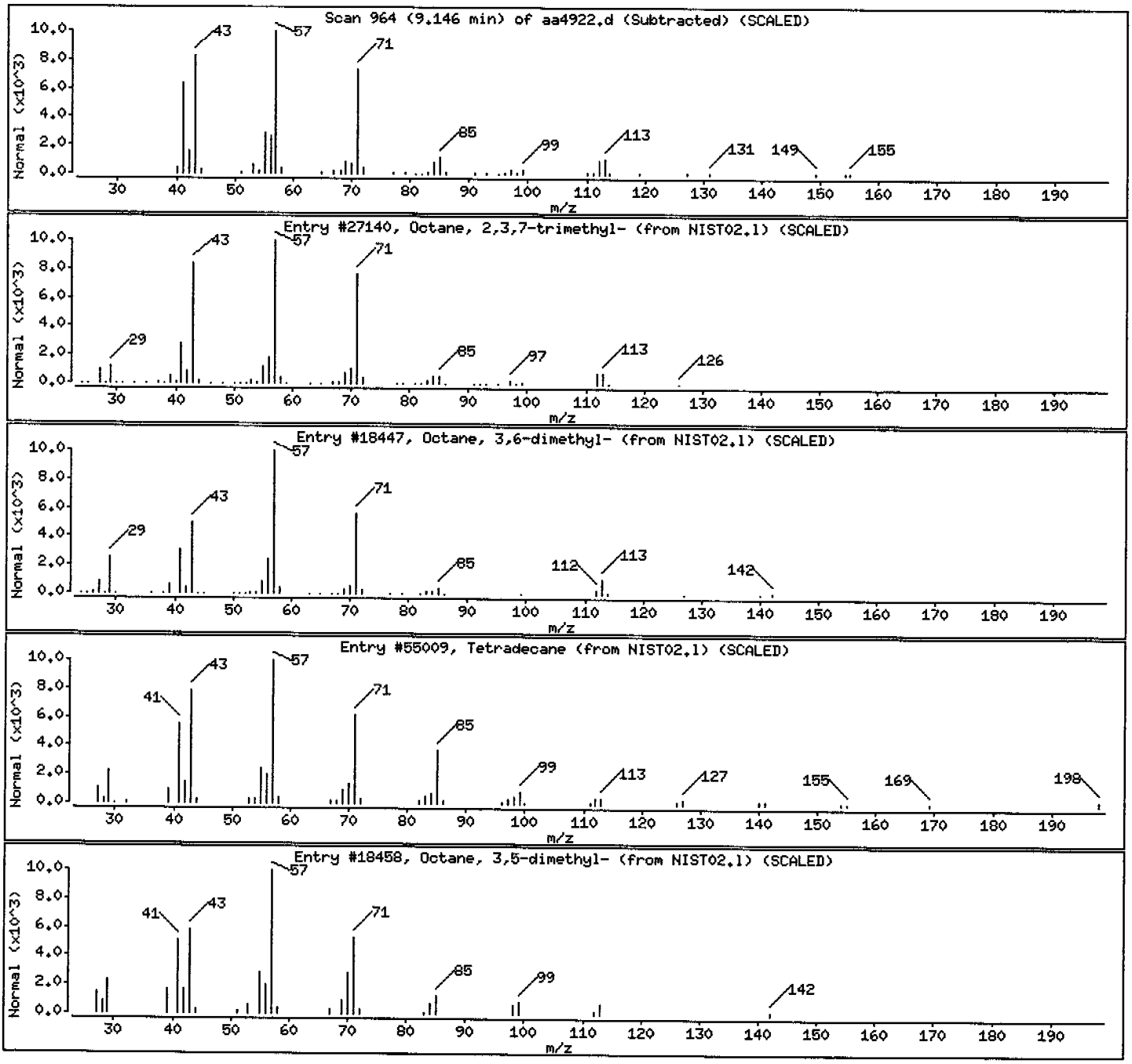
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octane, 2,3,7-trimethyl-	62016-34-6	NIST02.l	27140	78	C11H24	156
Octane, 3,6-dimethyl-	15869-94-0	NIST02.l	18447	72	C10H22	142
Tetradecane	629-59-4	NIST02.l	55009	72	C14H30	198
Octane, 3,5-dimethyl-	15869-93-9	NIST02.l	18458	64	C10H22	142



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Date : 09-OCT-2006 01:25

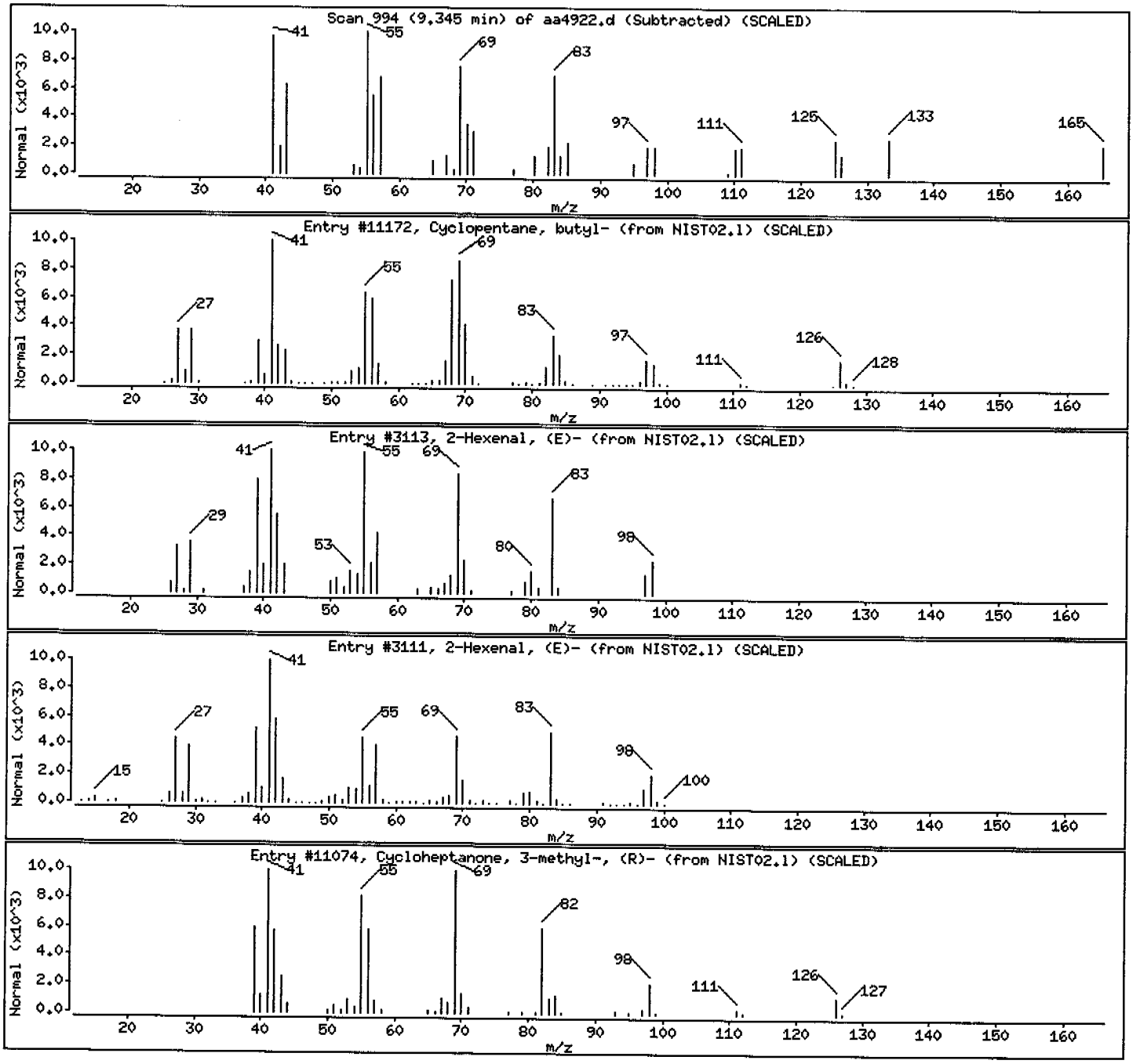
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclopentane, butyl-	2040-95-1	NIST02.l	11172	60	C9H18	126
2-Hexenal, (E)-	6728-26-3	NIST02.l	3113	46	C6H10O	98
2-Hexenal, (E)-	6728-26-3	NIST02.l	3111	45	C6H10O	98
Cycloheptanone, 3-methyl-, (R)-	13609-58-0	NIST02.l	11074	43	C8H14O	126



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Date : 09-OCT-2006 01:25

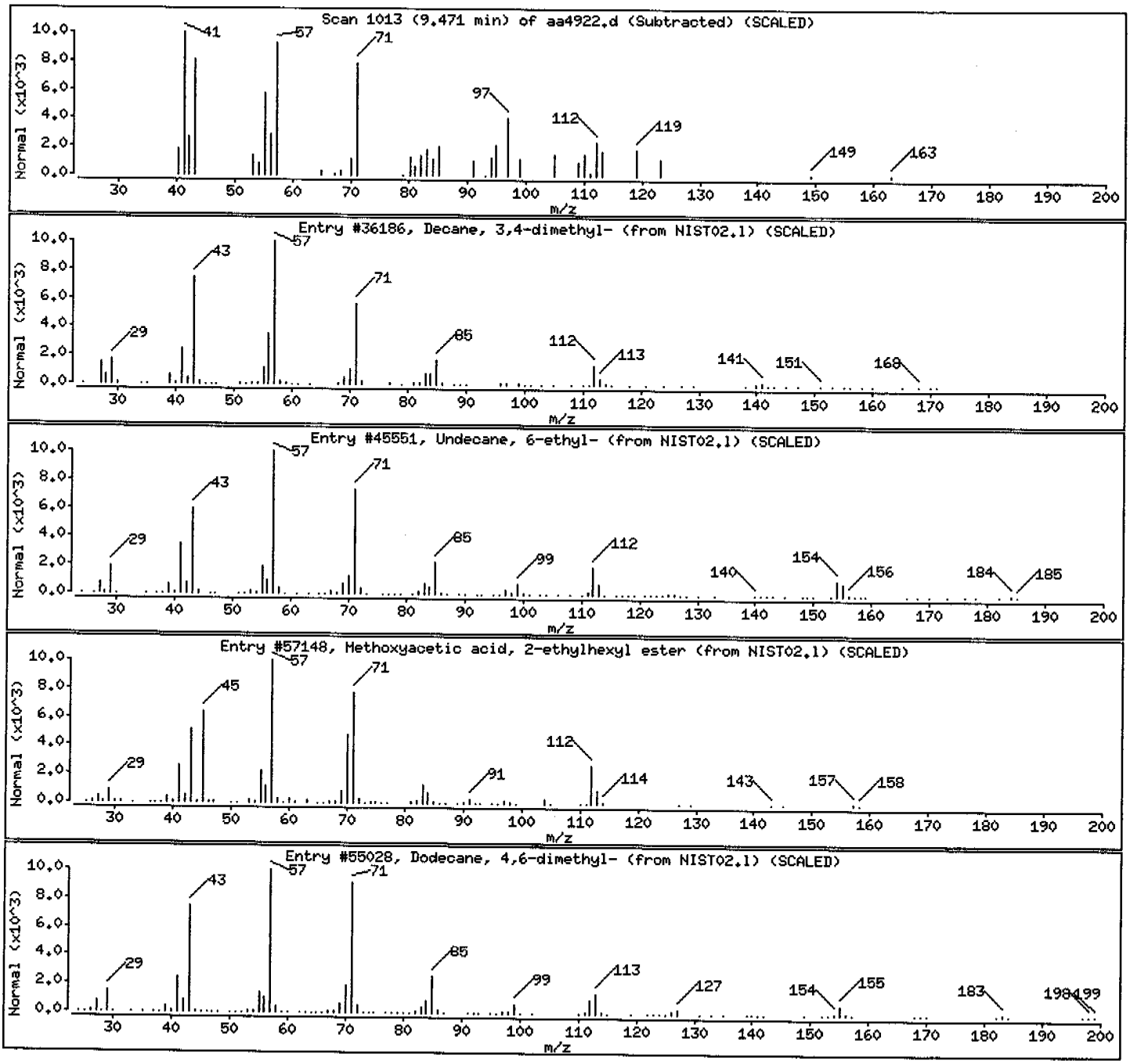
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 3,4-dimethyl-	17312-45-7	NIST02.l	36186	43	C12H26	170
Undecane, 6-ethyl-	17312-60-6	NIST02.l	45551	43	C13H28	184
Methoxyacetic acid, 2-ethylhexyl ester	1000282-41-4	NIST02.l	57148	38	C11H2203	202
Dodecane, 4,6-dimethyl-	61141-72-8	NIST02.l	55028	38	C14H30	198



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d

Date : 09-OCT-2006 01:25

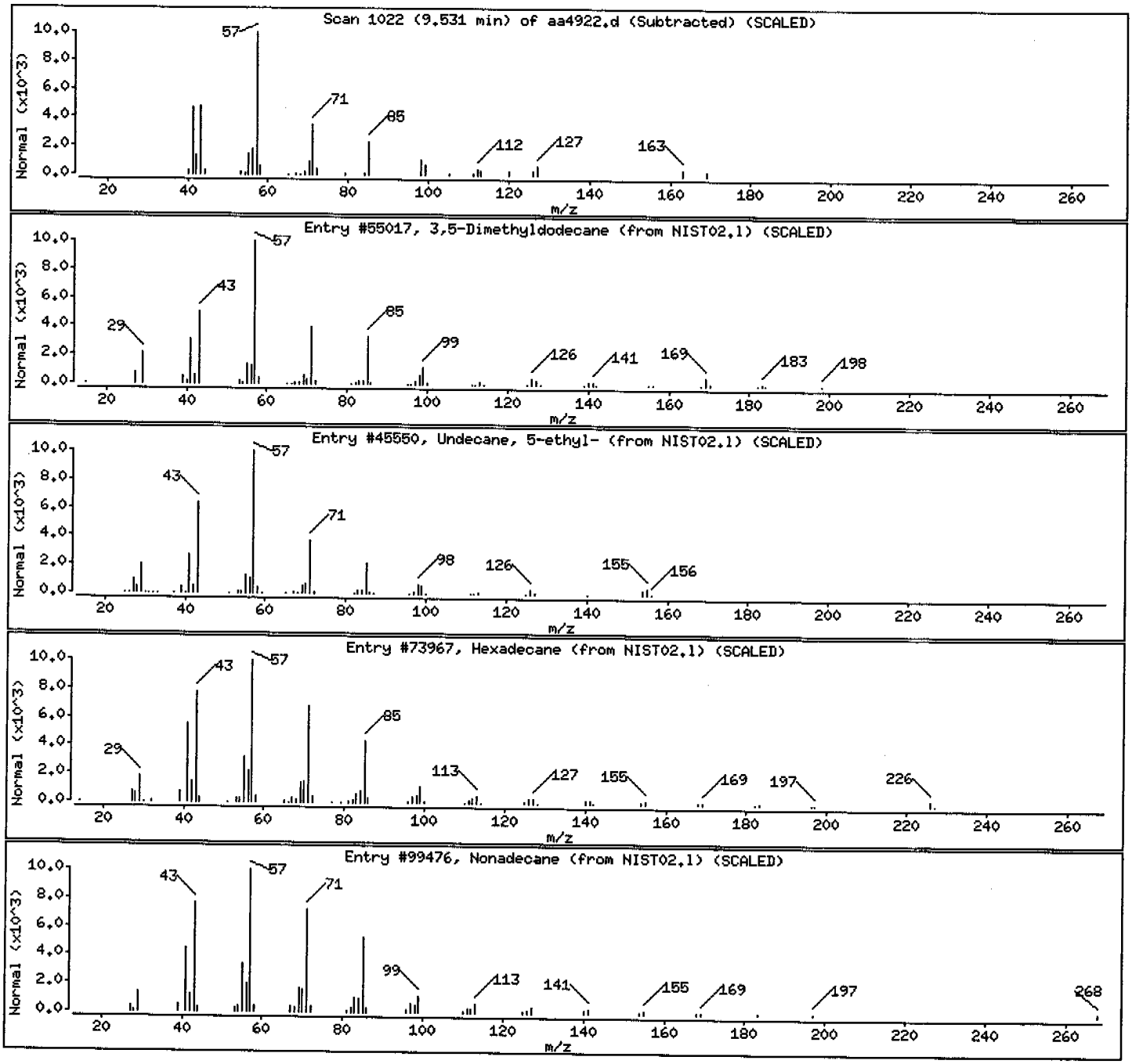
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
3,5-Dimethyldodecane	107770-99-0	NIST02.l	55017	64	C14H30	198
Undecane, 5-ethyl-	17453-94-0	NIST02.l	45550	64	C13H28	184
Hexadecane	544-76-3	NIST02.l	73967	53	C16H34	226
Nonadecane	629-92-5	NIST02.l	99476	50	C19H40	268



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d

Date : 09-OCT-2006 01:25

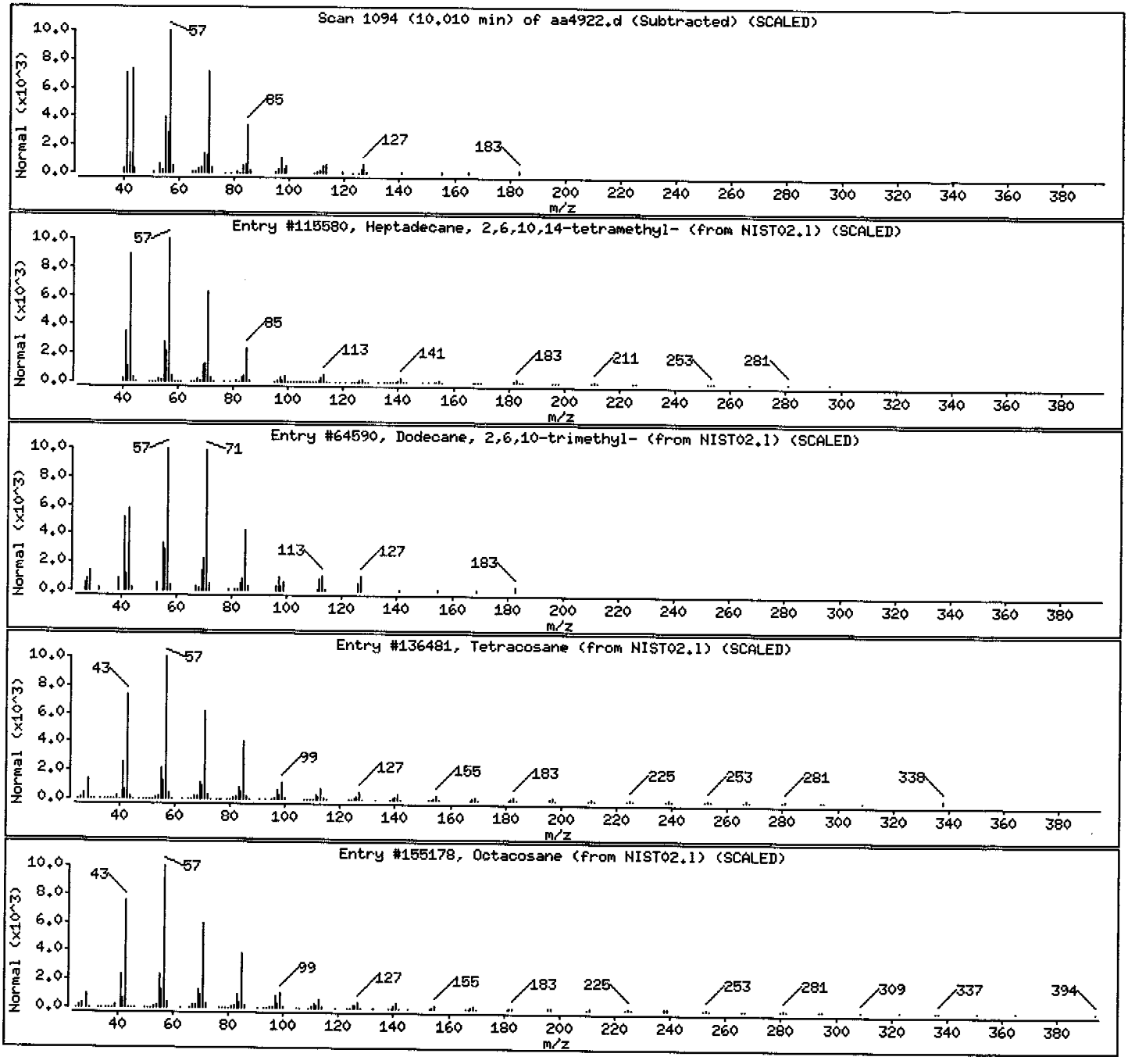
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane, 2,6,10,14-tetramethyl-	18344-37-1	NIST02.l	115580	86	C21H44	296
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.l	64590	83	C15H32	212
Tetracosane	646-31-1	NIST02.l	136481	80	C24H50	338
Octacosane	630-02-4	NIST02.l	155178	80	C28H58	394



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Date : 09-OCT-2006 01:25

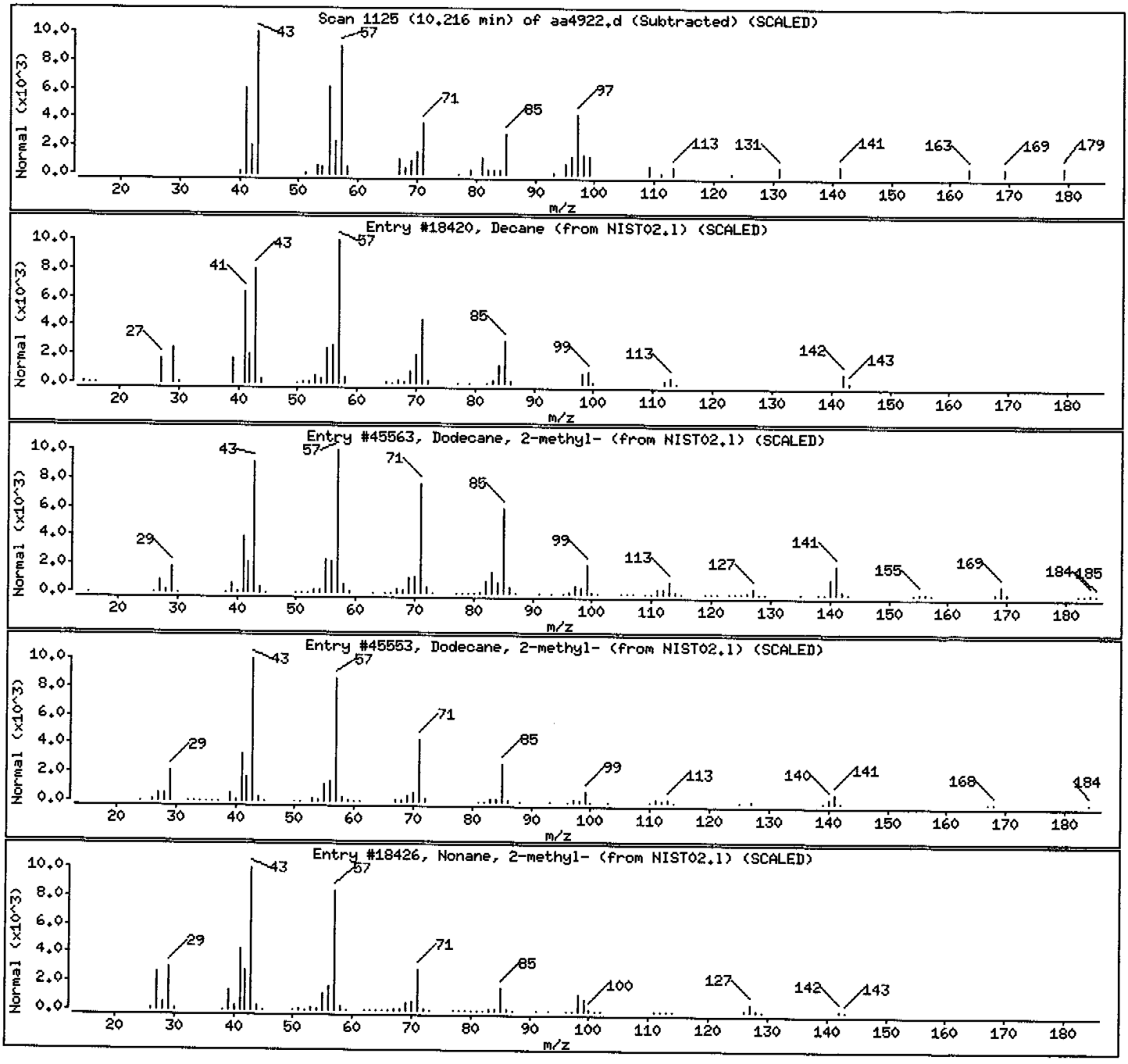
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Decane	124-18-5	NIST02.l	18420	50	C10H22	142
Dodecane, 2-methyl-	1560-97-0	NIST02.l	45563	47	C13H28	184
Dodecane, 2-methyl-	1560-97-0	NIST02.l	45553	47	C13H28	184
Nonane, 2-methyl-	871-83-0	NIST02.l	18426	47	C10H22	142



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4922.d

Date : 09-OCT-2006 01:25

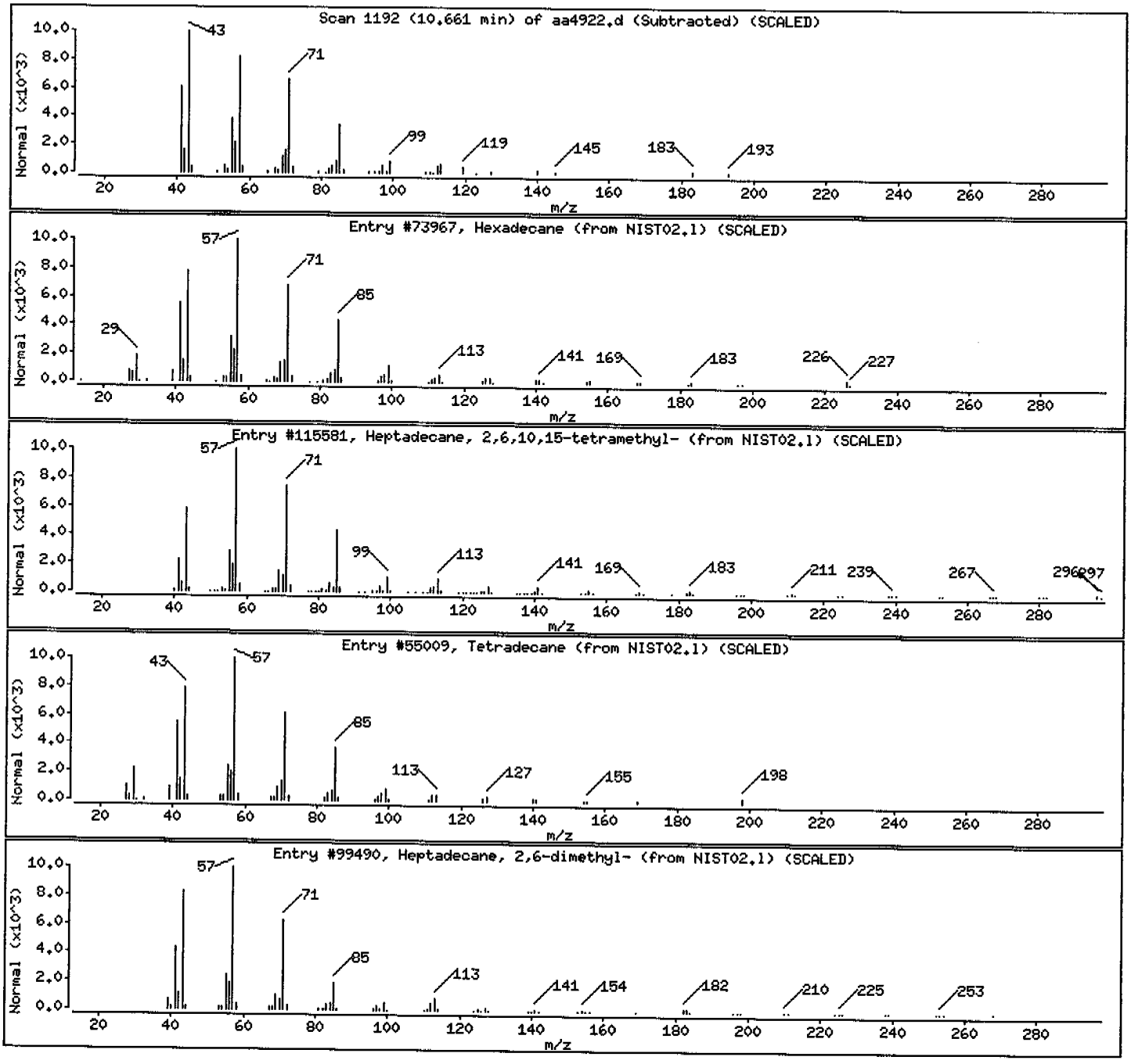
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST02.l	73967	90	C16H34	226
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST02.l	115581	90	C21H44	296
Tetradecane	629-59-4	NIST02.l	55009	86	C14H30	198
Heptadecane, 2,6-dimethyl-	54105-67-8	NIST02.l	99490	80	C19H40	268



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Date : 09-OCT-2006 01:25

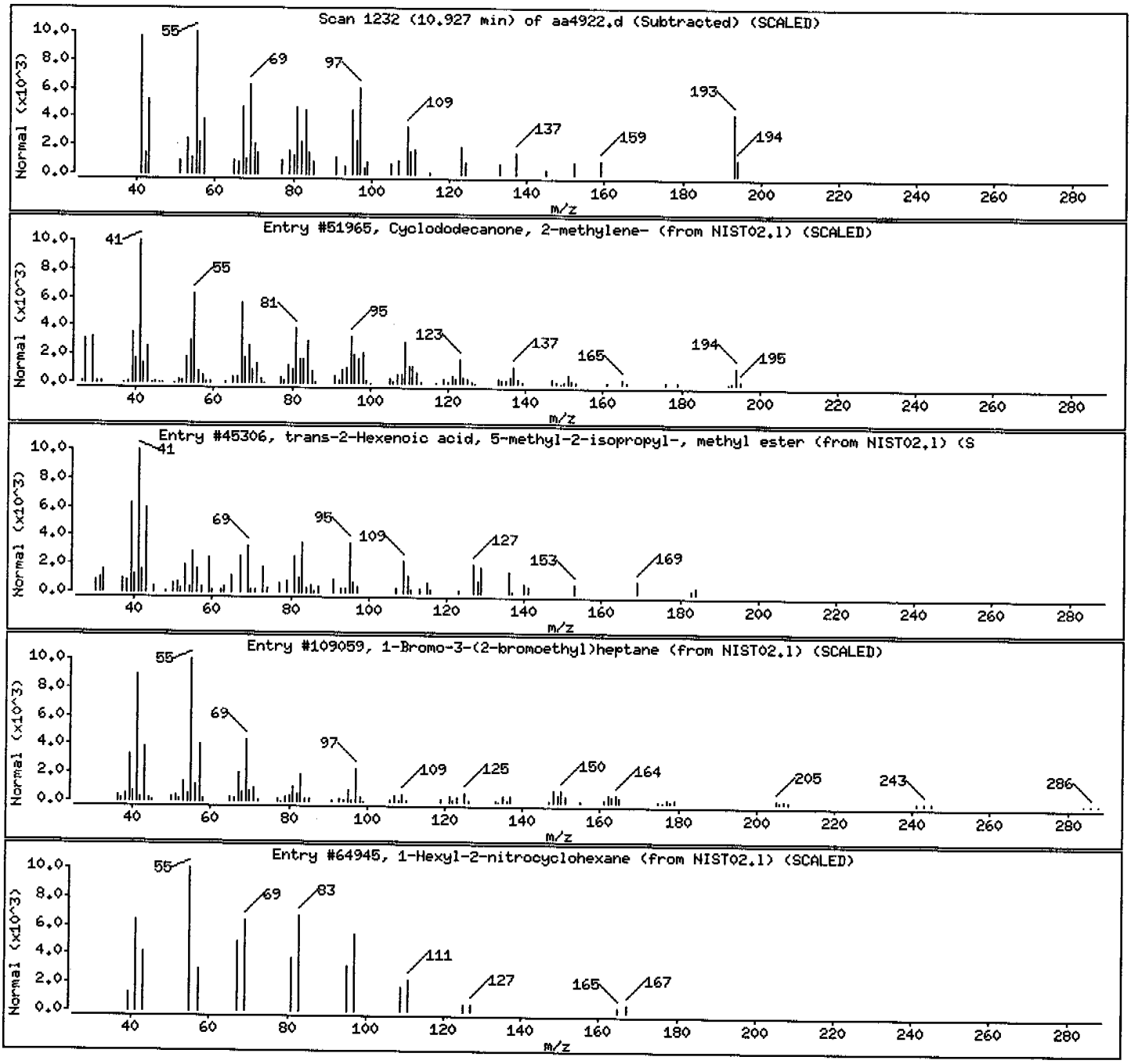
Client ID: B604-SS03 Instrument: BNAMS8.i

Sample Info: 775586;3285417

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecanone, 2-methylene-	3045-76-9	NIST02.l	51965	43	C13H22O	194
trans-2-Hexenoic acid, 5-methyl-2-isopro	1000139-87-5	NIST02.l	45306	38	C11H20O2	184
1-Bromo-3-(2-bromoethyl)heptane	70928-47-1	NIST02.l	109059	38	C9H18Br2	284
1-Hexyl-2-nitrocyclohexane	118252-04-3	NIST02.l	64945	35	C12H23NO2	213



Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4922.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	41
1,3-Dichlorobenzene	ND	410
1,4-Dichlorobenzene	ND	410
1,2-Dichlorobenzene	ND	410
bis(2-chloroisopropyl)ether	ND	410
N-Nitroso-di-n-propylamine	ND	41
Hexachloroethane	ND	41
Nitrobenzene	ND	41
Isophorone	ND	410
bis(2-Chloroethoxy)methane	ND	410
1,2,4-Trichlorobenzene	ND	41
Naphthalene	ND	410
4-Chloroaniline	ND	410
Hexachlorobutadiene	ND	83
2-Methylnaphthalene	ND	410
Hexachlorocyclopentadiene	ND	410
2-Chloronaphthalene	ND	410
2-Nitroaniline	ND	830
Dimethylphthalate	ND	410
Acenaphthylene	ND	410
2,6-Dinitrotoluene	ND	83
3-Nitroaniline	ND	830
Acenaphthene	ND	410
Dibenzofuran	ND	410
2,4-Dinitrotoluene	ND	83
Diethylphthalate	ND	410
4-Chlorophenyl-phenylether	ND	410
Fluorene	ND	410
4-Nitroaniline	ND	830
N-Nitrosodiphenylamine	ND	410
4-Bromophenyl-phenylether	ND	410
Hexachlorobenzene	ND	41
Phenanthrene	ND	410
Anthracene	ND	410

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4922.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	410
Di-n-butylphthalate	ND	410
Fluoranthene	ND	410
Pyrene	ND	410
Butylbenzylphthalate	ND	410
3,3'-Dichlorobenzidine	ND	830
Benzo(a)anthracene	ND	41
Chrysene	ND	410
bis(2-Ethylhexyl)phthalate	580	410
Di-n-octylphthalate	ND	410
Benzo(b)fluoranthene	ND	41
Benzo(k)fluoranthene	ND	41
Benzo(a)pyrene	ND	41
Indeno(1,2,3-cd)pyrene	ND	41
Dibenz(a,h)anthracene	ND	41
Benzo(g,h,i)perylene	ND	410

Client ID: **B604-SS03**
Site: Sun Chemical SI

Lab Sample No: **775586**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4922.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	7.85	450	
2.	Decahydromethylnaphthalene isomer	8.02	460	
3.	Unknown	8.51	530	
4.	Unknown Alkane	8.63	830	
5.	Unknown	8.85	430	
6.	Unknown	8.93	470	
7.	Unknown Alkane	9.15	1500	
8.	Unknown	9.35	370	
9.	Unknown	9.47	460	
10.	Unknown Alkane	9.53	460	
11.	Unknown Alkane	10.01	1000	
12.	Unknown Alkane	10.22	630	
13.	Unknown Alkane	10.66	1200	
14.	Unknown	10.93	390	
15.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION 9180

Client ID: **B203-SS01**
Site: Sun Chemical SI

Lab Sample No: **775605**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4953.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	190
1,3-Dichlorobenzene	ND	1900
1,4-Dichlorobenzene	ND	1900
1,2-Dichlorobenzene	ND	1900
bis(2-chloroisopropyl)ether	ND	1900
N-Nitroso-di-n-propylamine	ND	190
Hexachloroethane	ND	190
Nitrobenzene	360	190
Isophorone	ND	1900
bis(2-Chloroethoxy)methane	ND	1900
1,2,4-Trichlorobenzene	ND	190
Naphthalene	300 J	1900
4-Chloroaniline	ND	1900
Hexachlorobutadiene	ND	380
2-Methylnaphthalene	120 J	1900
Hexachlorocyclopentadiene	ND	1900
2-Chloronaphthalene	ND	1900
2-Nitroaniline	ND	3800
Dimethylphthalate	ND	1900
Acenaphthylene	150 J	1900
2,6-Dinitrotoluene	ND	380
3-Nitroaniline	ND	3800
Acenaphthene	430 J	1900
Dibenzofuran	170 J	1900
2,4-Dinitrotoluene	ND	380
Diethylphthalate	ND	1900
4-Chlorophenyl-phenylether	ND	1900
Fluorene	420 J	1900
4-Nitroaniline	740 J	3800
N-Nitrosodiphenylamine	ND	1900
4-Bromophenyl-phenylether	ND	1900
Hexachlorobenzene	ND	190
Phenanthrene	6500	1900
Anthracene	1700 J	1900

Client ID: **B203-SS01**
Site: Sun Chemical SI

Lab Sample No: **775605**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4953.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	230 J	1900
Di-n-butylphthalate	ND	1900
Fluoranthene	8100	1900
Pyrene	12000	1900
Butylbenzylphthalate	ND	1900
3,3'-Dichlorobenzidine	ND	3800
Benzo(a)anthracene	4300	190
Chrysene	4700	1900
bis(2-Ethylhexyl)phthalate	ND	1900
Di-n-octylphthalate	ND	1900
Benzo(b)fluoranthene	4200	190
Benzo(k)fluoranthene	4800	190
Benzo(a)pyrene	4300	190
Indeno(1,2,3-cd)pyrene	1200	190
Dibenz(a,h)anthracene	ND	190
Benzo(g,h,i)perylene	1000 J	1900

Client ID: **B203-SS01**
Site: Sun Chemical SI

Lab Sample No: **775605**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4953.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0
% Moisture: 13.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	2-Naphthalenol	11.30	2300	
2.	C15H12 PAH	14.01	1900	
3.	C15H10/C15H12 PAHs	14.15	2700	
4.	C15H12 PAH	14.17	1600	
5.	C17H12 PAH	15.83	2200	
6.	Unknown	16.83	2500	
7.	Unknown	18.17	8800	
8.	C20H12 PAH	19.95	2400	
9.	2-Naphthalenol, 1-[(4-nitrophenyl)azo]	21.42	14000	
10.	Unknown	23.30	2800	
11.	Unknown	25.47	4000	
12.				
13.				
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TOTAL ESTIMATED CONCENTRATION 45200

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d
Report Date: 12-Oct-2006 11:19

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d
Lab Smp Id: 775605 Client Smp ID: B203-SS01
Inj Date : 09-OCT-2006 21:59
Operator : BNAMS 4 Inst ID: BNAMS8.i
Smp Info : 775605;3285717
Misc Info : X967;SB279A;QA4674
Comment :
Method : /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 12:38 monica Quant Type: ISTD
Cal Date : 26-SEP-2006 23:38 Cal File: aa4692.d
Als bottle: 16
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.00000	% Moisture

Cpnd Variable Local Compound Variable

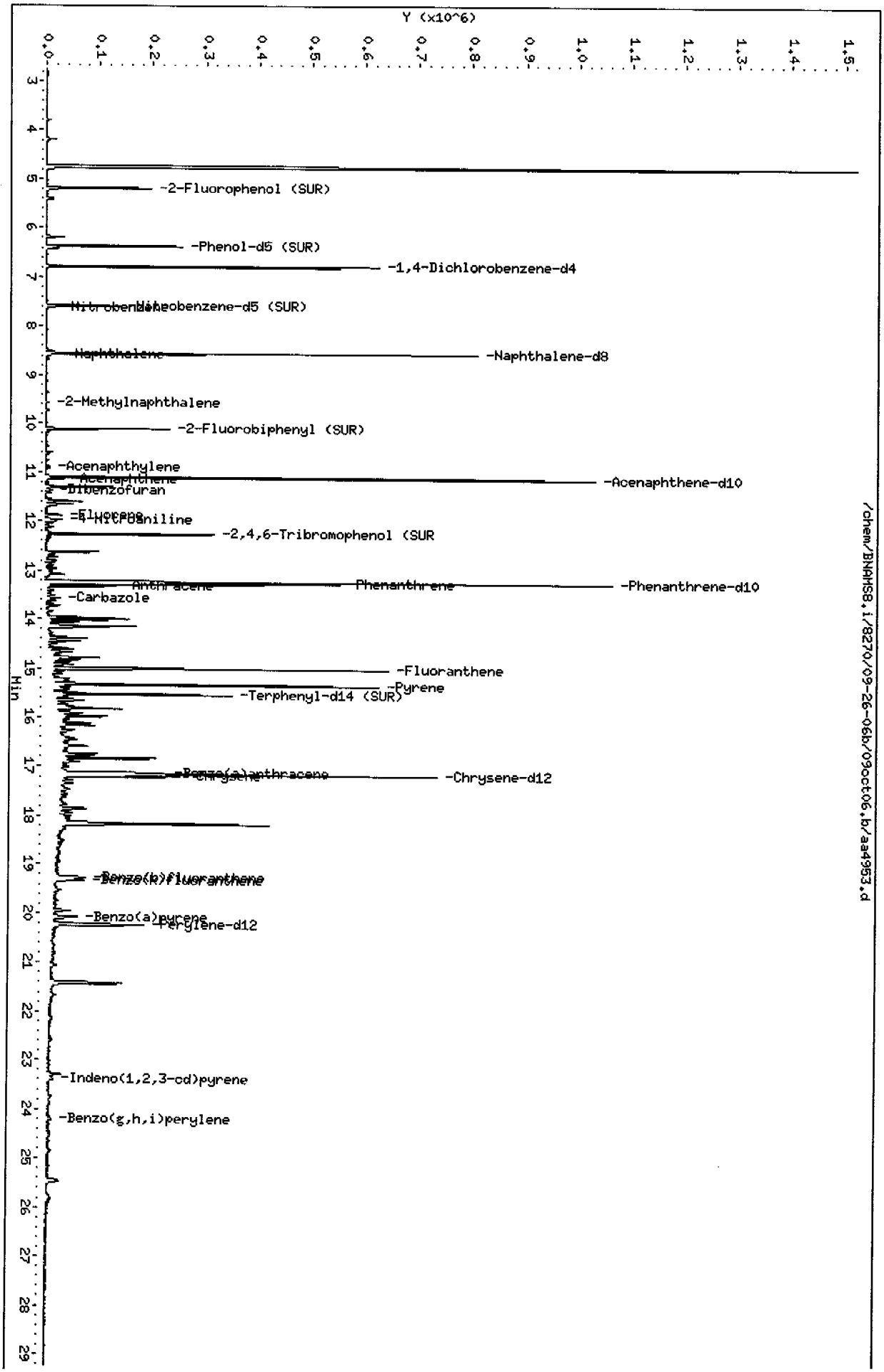
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.192	5.181	(0.765)	49812	20.1054	7700
$ 17 Phenol-d5 (SUR)	99	6.376	6.377	(0.939)	83702	18.4341	7100
* 79 1,4-Dichlorobenzene-d4	152	6.788	6.789	(1.000)	102418	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.585	7.593	(0.886)	51928	10.0161	3800
27 Nitrobenzene	77	7.612	7.620	(0.889)	6421	0.92805	360
* 80 Naphthalene-d8	136	8.562	8.564	(1.000)	370390	40.0000	
31 Naphthalene	128	8.589	8.597	(1.003)	7067	0.78526	300(a)
34 2-Methylnaphthalene	142	9.566	9.574	(1.117)	2372	0.32506	120(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.111	10.119	(0.910)	77010	8.87991	3400
39 Acenaphthylene	152	10.882	10.897	(0.980)	4744	0.39192	150(a)
* 82 Acenaphthene-d10	164	11.108	11.109	(1.000)	295254	40.0000	
42 Acenaphthene	154	11.148	11.162	(1.004)	8384	1.12782	430(a)
43 Dibenzofuran	168	11.374	11.388	(1.024)	5406	0.44982	170(a)
47 Fluorene	166	11.872	11.887	(1.069)	10867	1.09060	420(a)

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d
Report Date: 12-Oct-2006 11:19

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	48	4-Nitroaniline	138	11.972	12.013	(1.078)	4627	1.93618	740(a)
$	18	2,4,6-Tribromophenol (SUR)	330	12.264	12.272	(1.104)	55982	17.8514	6800
*	83	Phenanthrene-d10	188	13.241	13.249	(1.000)	467283	40.0000	
	52	Phenanthrene	178	13.274	13.283	(1.002)	243518	17.0123	6500
	53	Anthracene	178	13.334	13.349	(1.007)	64301	4.46700	1700(a)
	54	Carbazole	167	13.580	13.588	(1.026)	8399	0.60775	230(a)
	56	Fluoranthene	202	15.016	15.017	(1.134)	317545	21.2451	8100
	57	Pyrene	202	15.341	15.356	(0.894)	302929	31.4904	12000
$	78	Terphenyl-d14 (SUR)	244	15.541	15.549	(0.906)	103904	13.8354	5300
	61	Benzo(a)anthracene	228	17.123	17.138	(0.998)	117102	11.2565	4300
*	81	Chrysene-d12	240	17.156	17.177	(1.000)	396929	40.0000	
	62	Chrysene	228	17.196	17.224	(1.002)	115279	12.3003	4700(H)
	65	Benzo(b)fluoranthene	252	19.276	19.324	(0.953)	55757	11.0013	4200
	66	Benzo(k)fluoranthene	252	19.323	19.377	(0.955)	56699	12.6686	4800
	67	Benzo(a)pyrene	252	20.074	20.128	(0.992)	47872	11.1873	4300
*	84	Perylene-d12	264	20.233	20.275	(1.000)	155562	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	23.390	23.465	(1.156)	17033	3.03997	1200
	70	Benzo(g,h,i)perylene	276	24.208	24.289	(1.196)	13064	2.73185	1000(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.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Date : 09-OCT-2006 21:59
Client ID: B203-SS01
Sample Info: 775605;3285717
Column phase: DB-5
Instrument: BNAMS8.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d
Y (x10^6)
Min
-2-Fluorophenol (SURR)
-Phenol-d5 (SURR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SURR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SURR)
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-4-Nitroaniline
-2,4,6-Tribromophenol (SURR
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SURR)
-Chrysene-d12
-Benzo(b)fluoranthene
-Benzo(k)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene
-Benzo(g,h,i)perylene

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

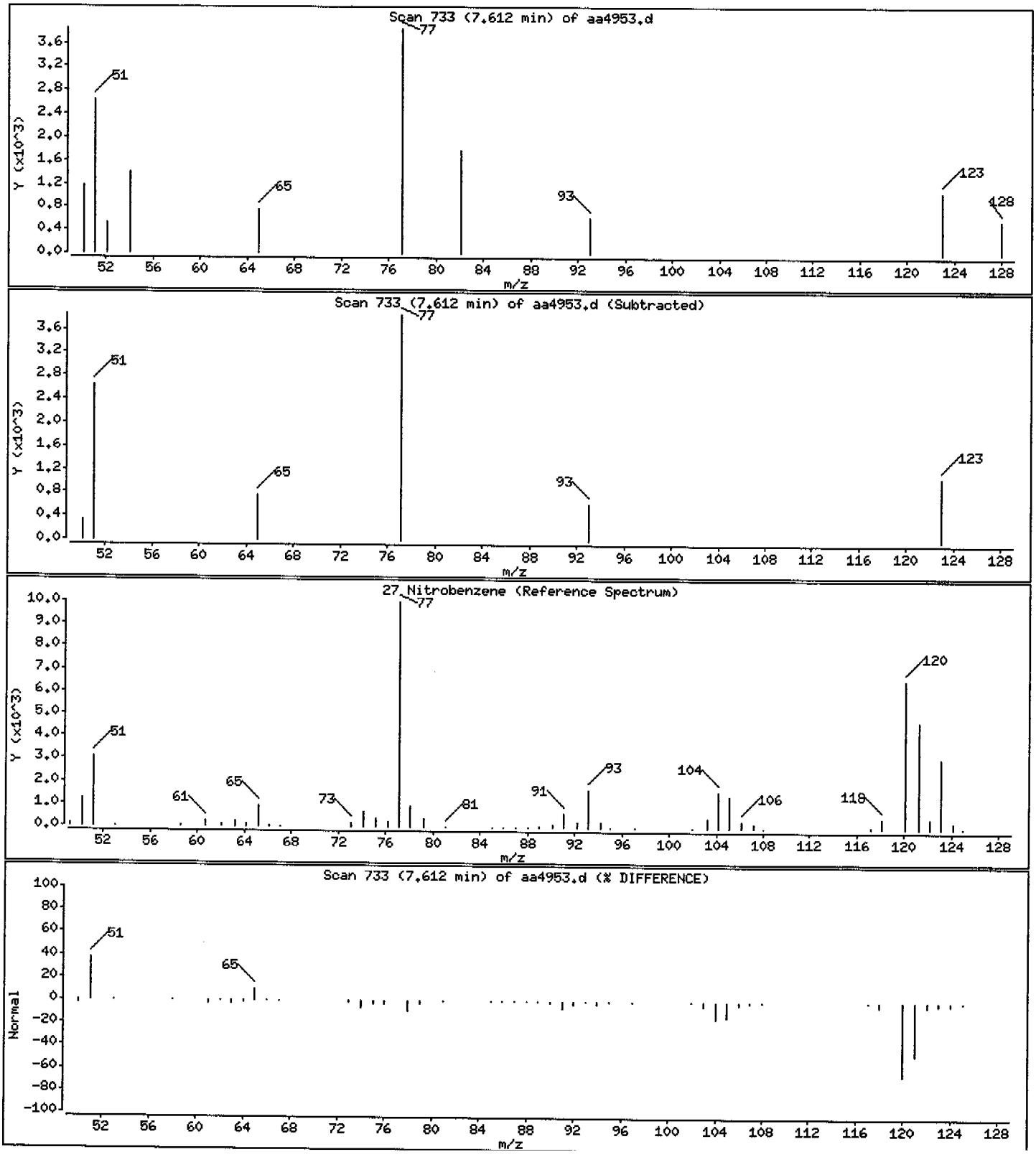
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

27 Nitrobenzene Concentration: 360 ug/Kg



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Date : 09-OCT-2006 21:59

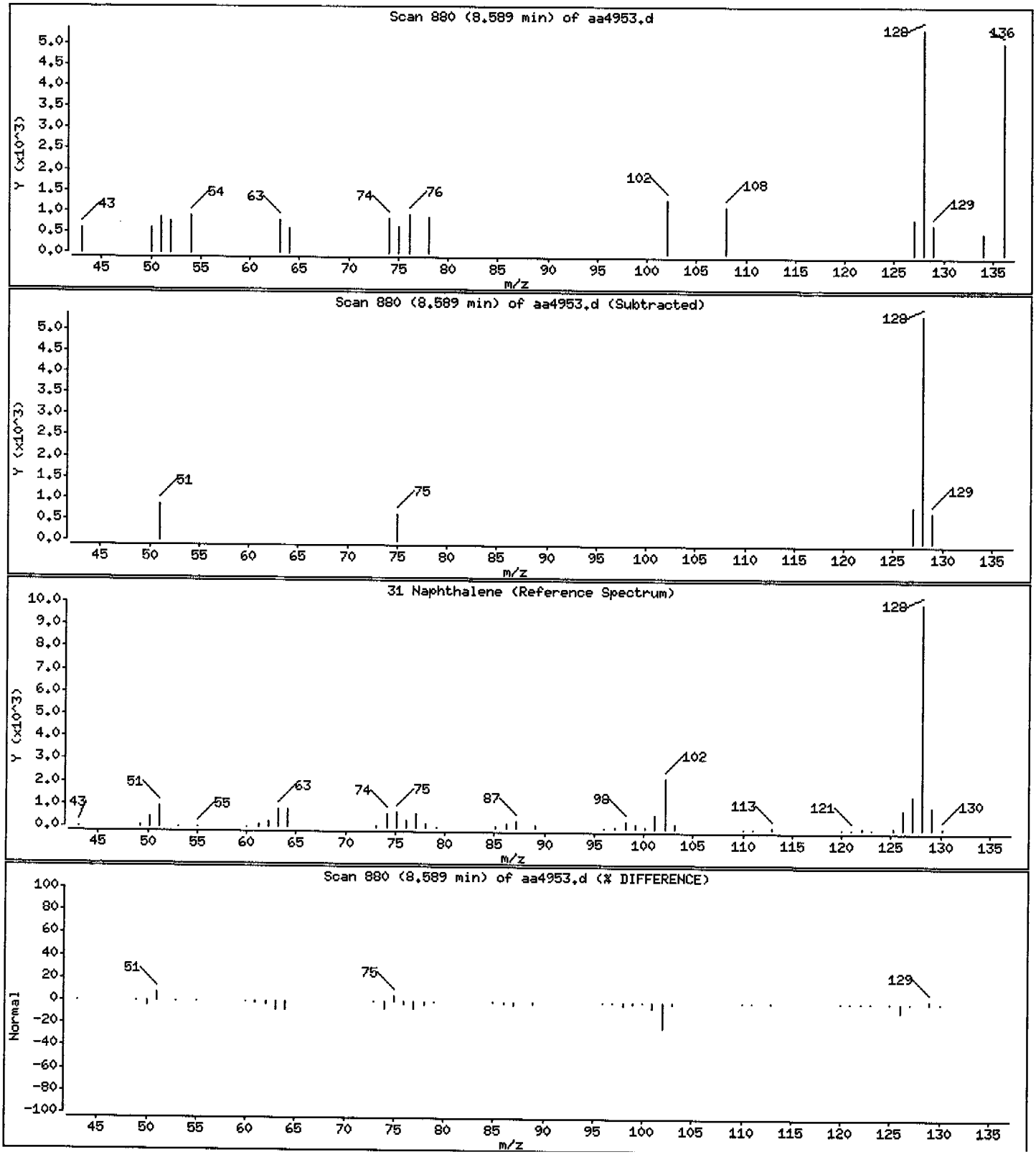
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 300 ug/Kg



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Date : 09-OCT-2006 21:59

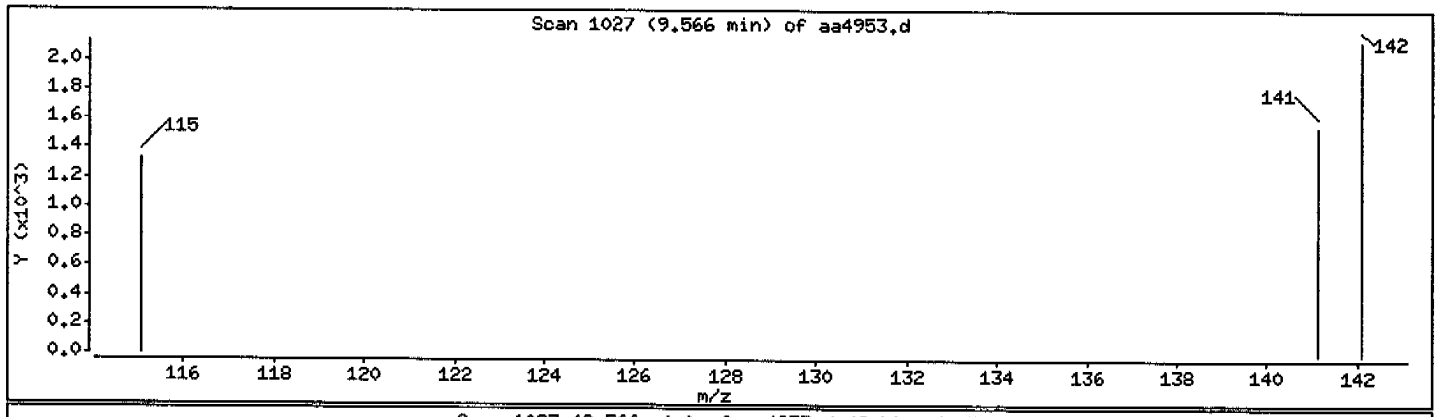
Client ID: B203-SS01 Instrument: BNAMS8.i

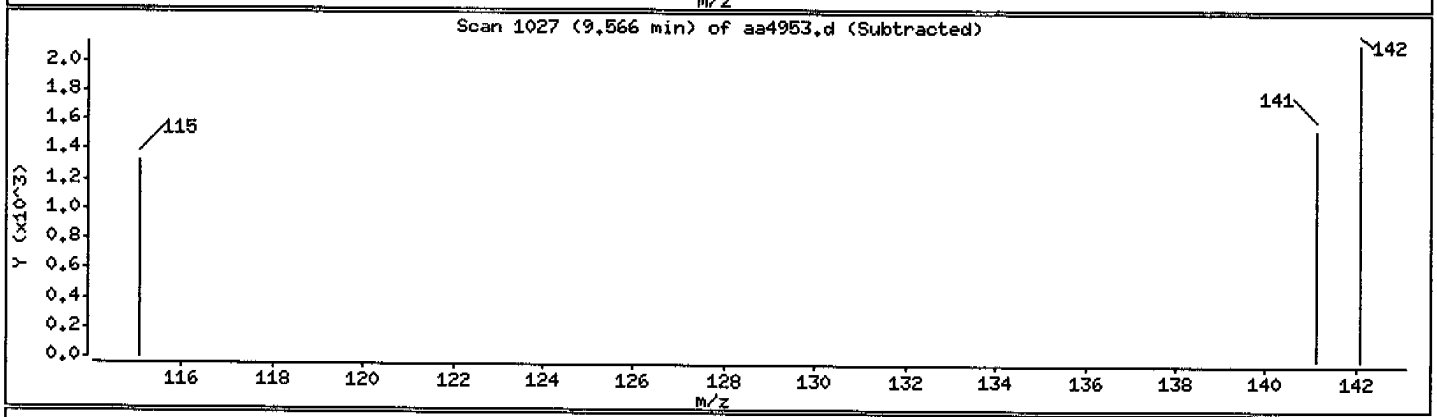
Sample Info: 775605;3285717

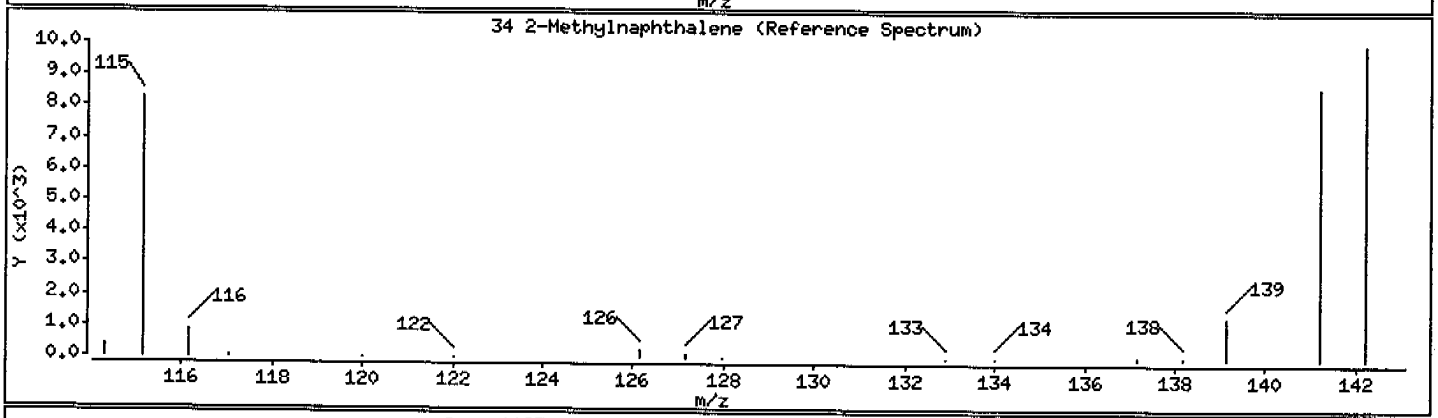
Operator: BNAMS 4

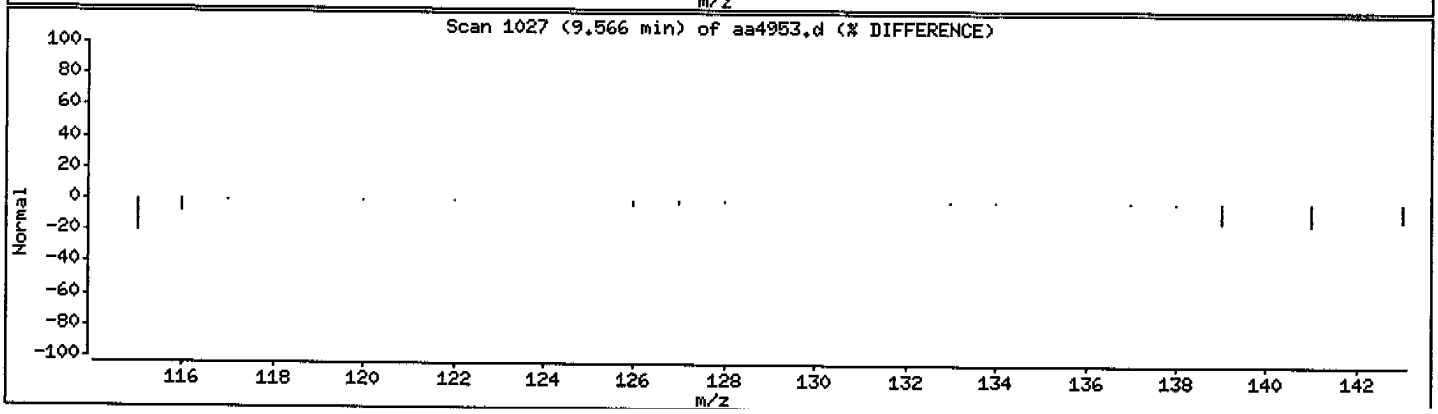
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 120 ug/Kg









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Date : 09-OCT-2006 21:59

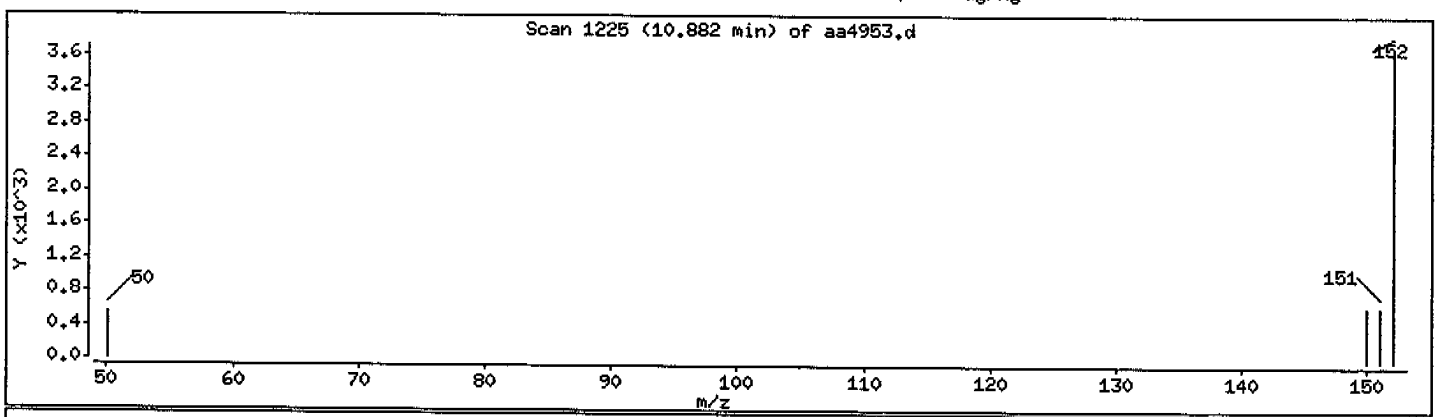
Client ID: B203-SS01 Instrument: BNAMS8.i

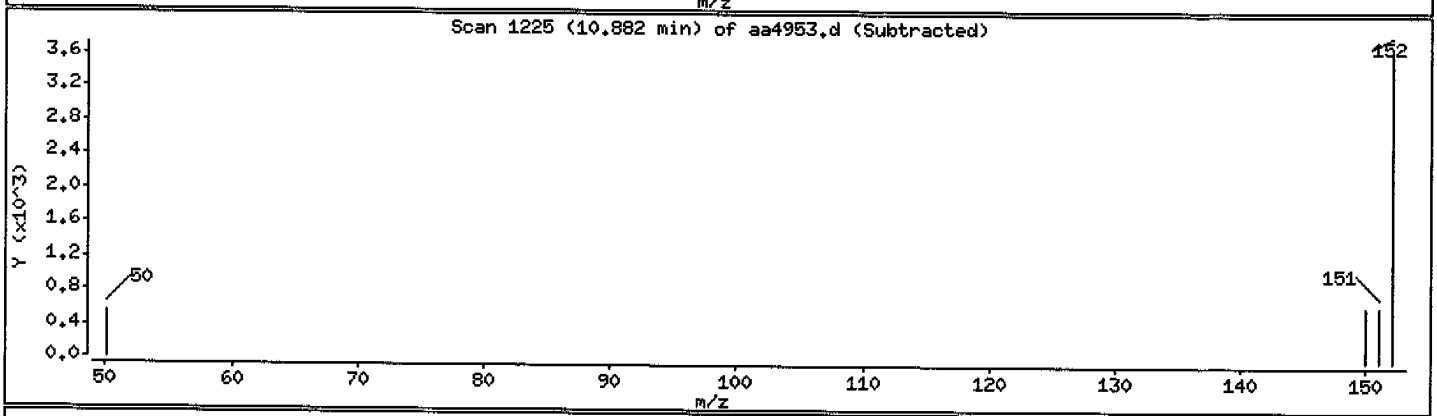
Sample Info: 775605;3285717

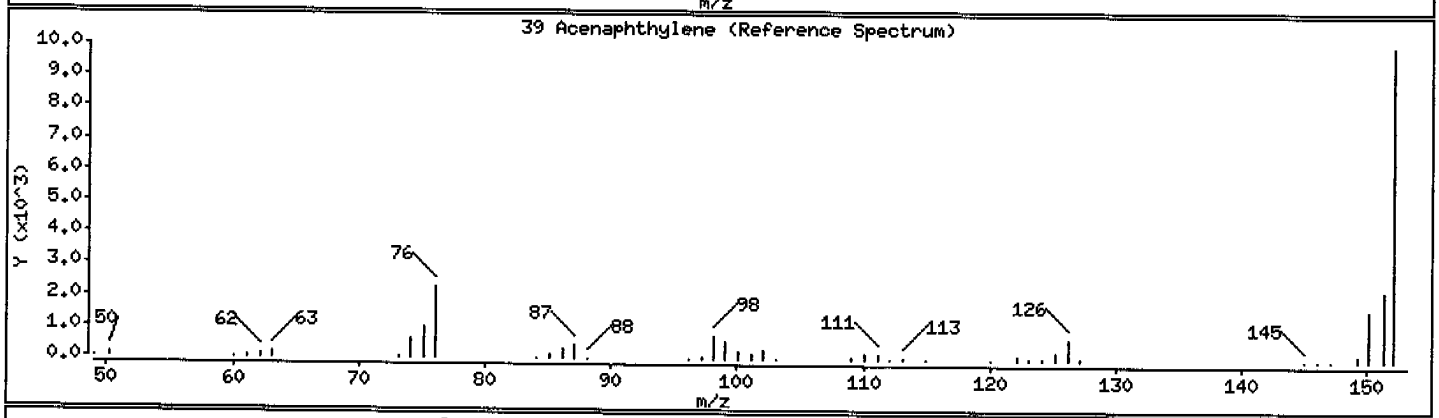
Operator: BNAMS 4

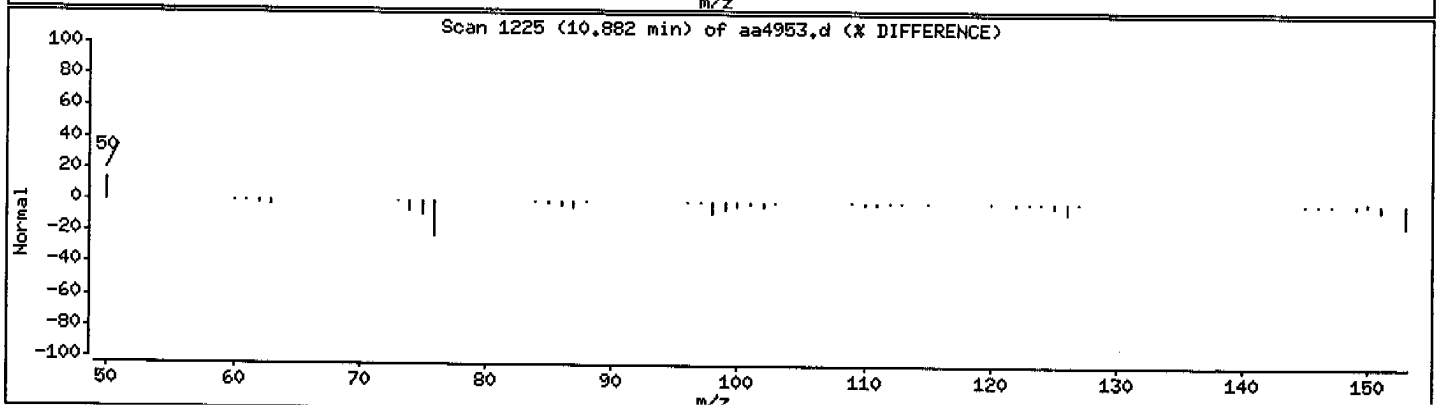
Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 150 ug/Kg









Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

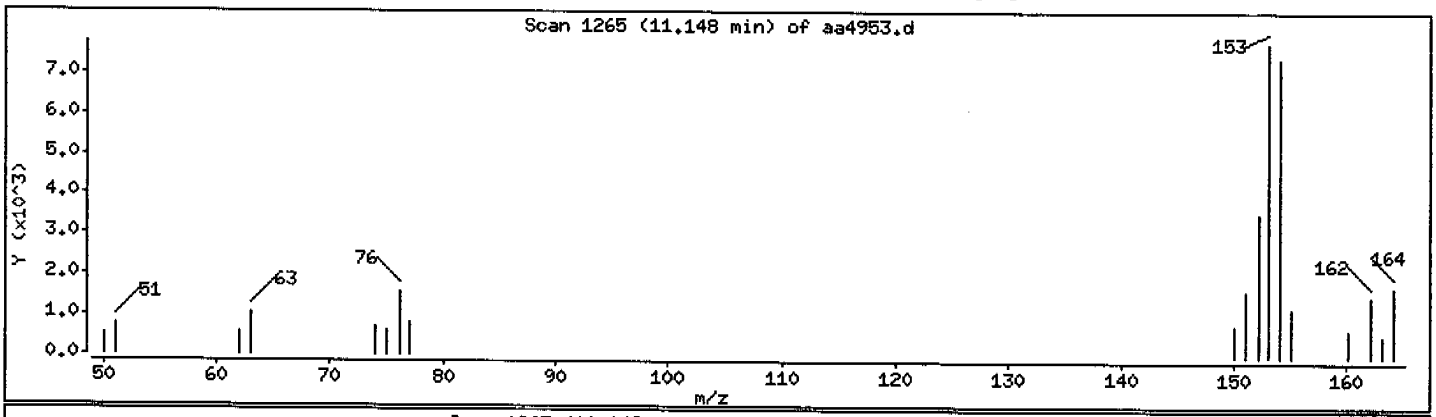
Client ID: B203-SS01 Instrument: BNAMS8.i

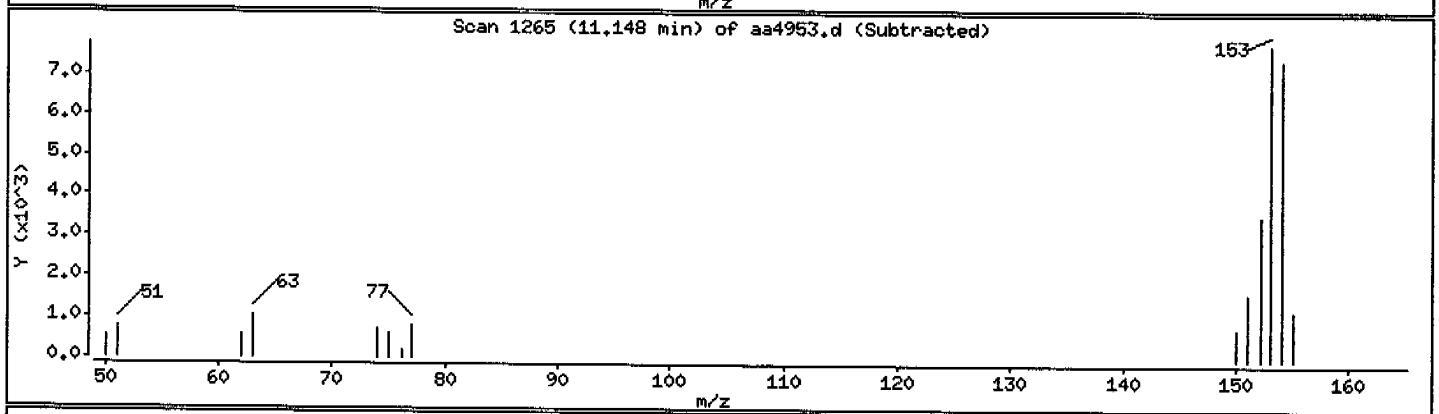
Sample Info: 775605;3285717

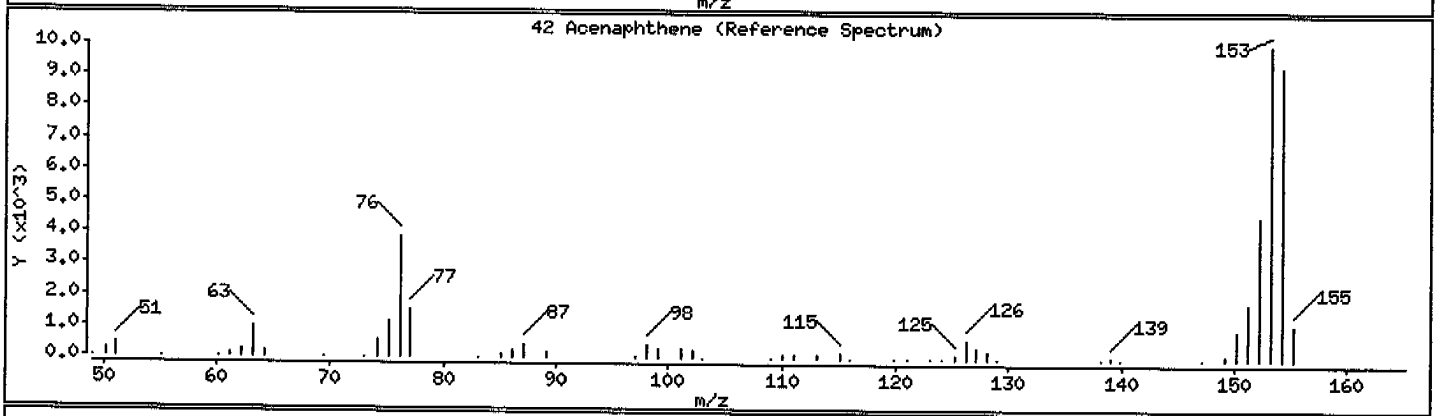
Operator: BNAMS 4

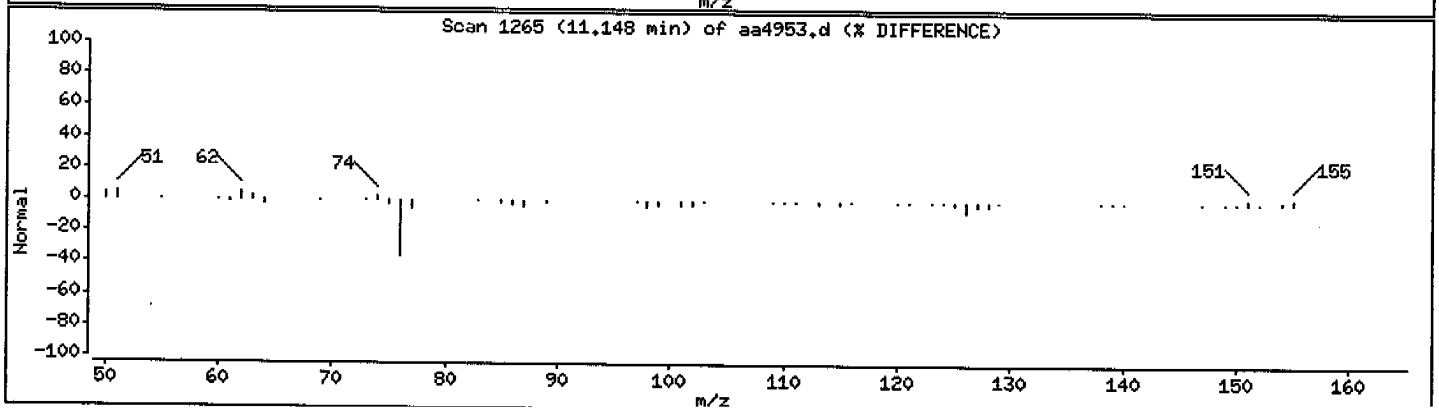
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 430 ug/Kg









Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

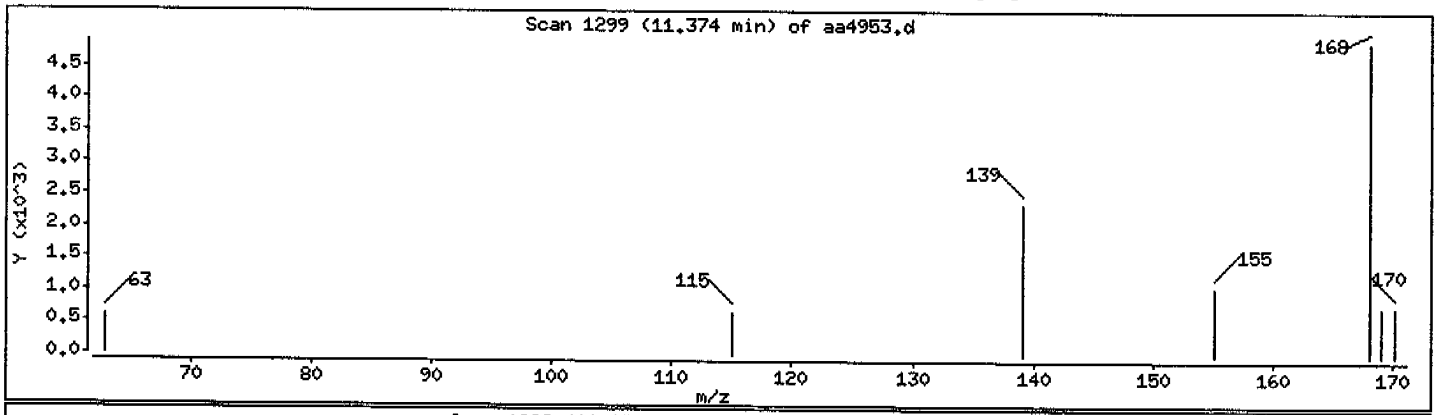
Client ID: B203-SS01 Instrument: BNAMS8.i

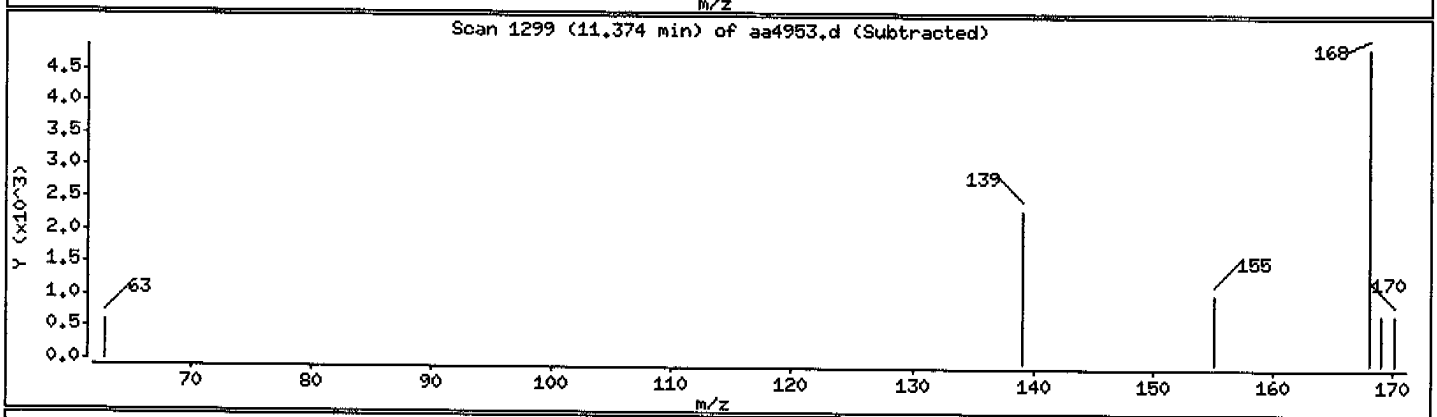
Sample Info: 775605;3285717

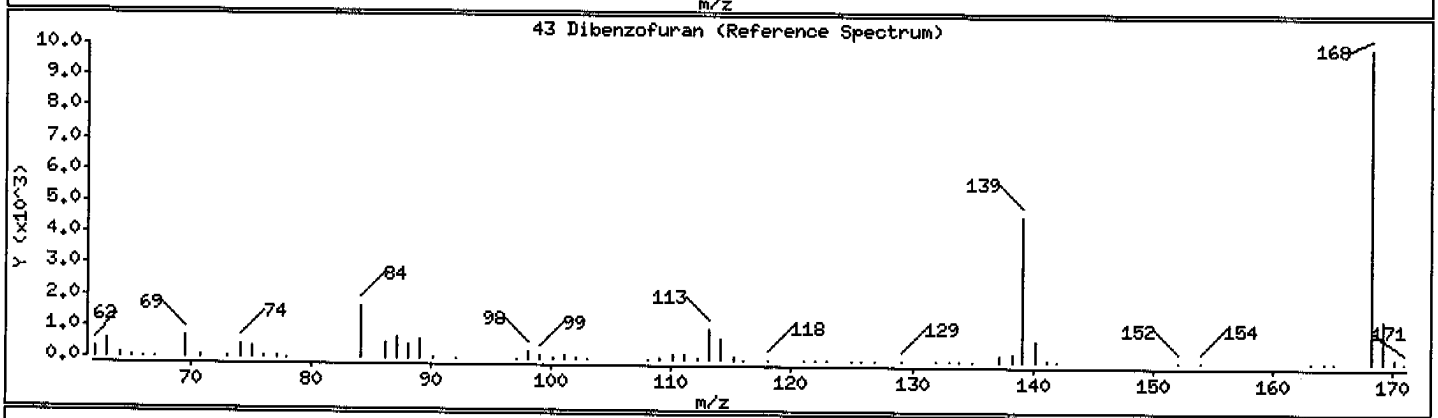
Operator: BNAMS 4

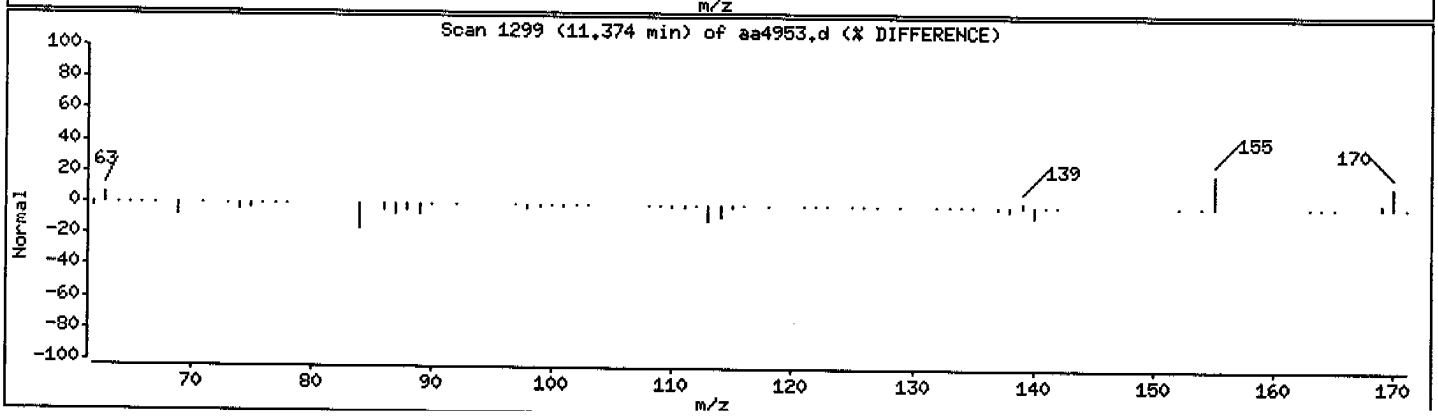
Column phase: DB-5 Column diameter: 0.25

43 Dibenzofuran Concentration: 170 ug/Kg









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Date : 09-OCT-2006 21:59

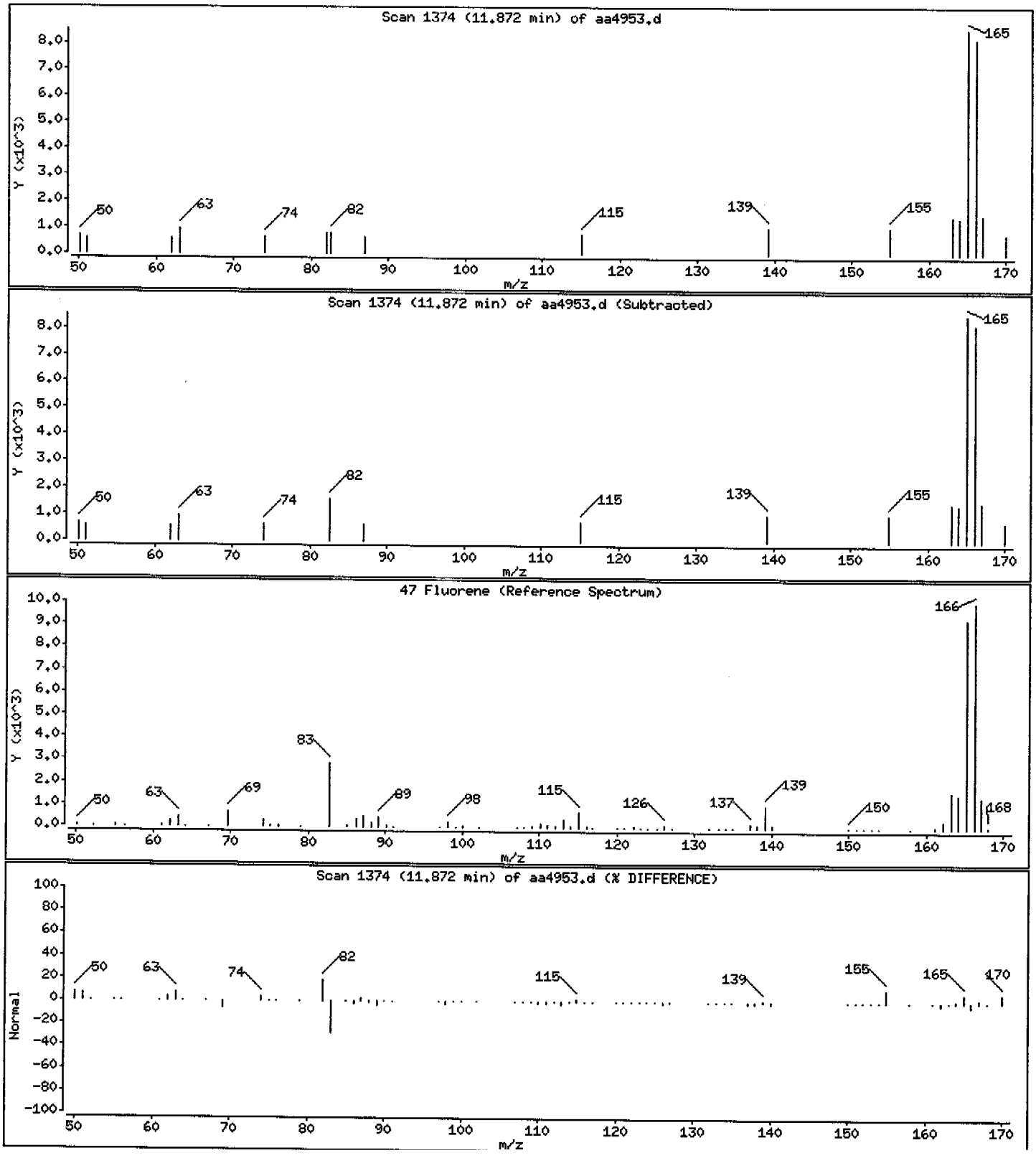
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

47 Fluorene Concentration: 420 ug/Kg



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

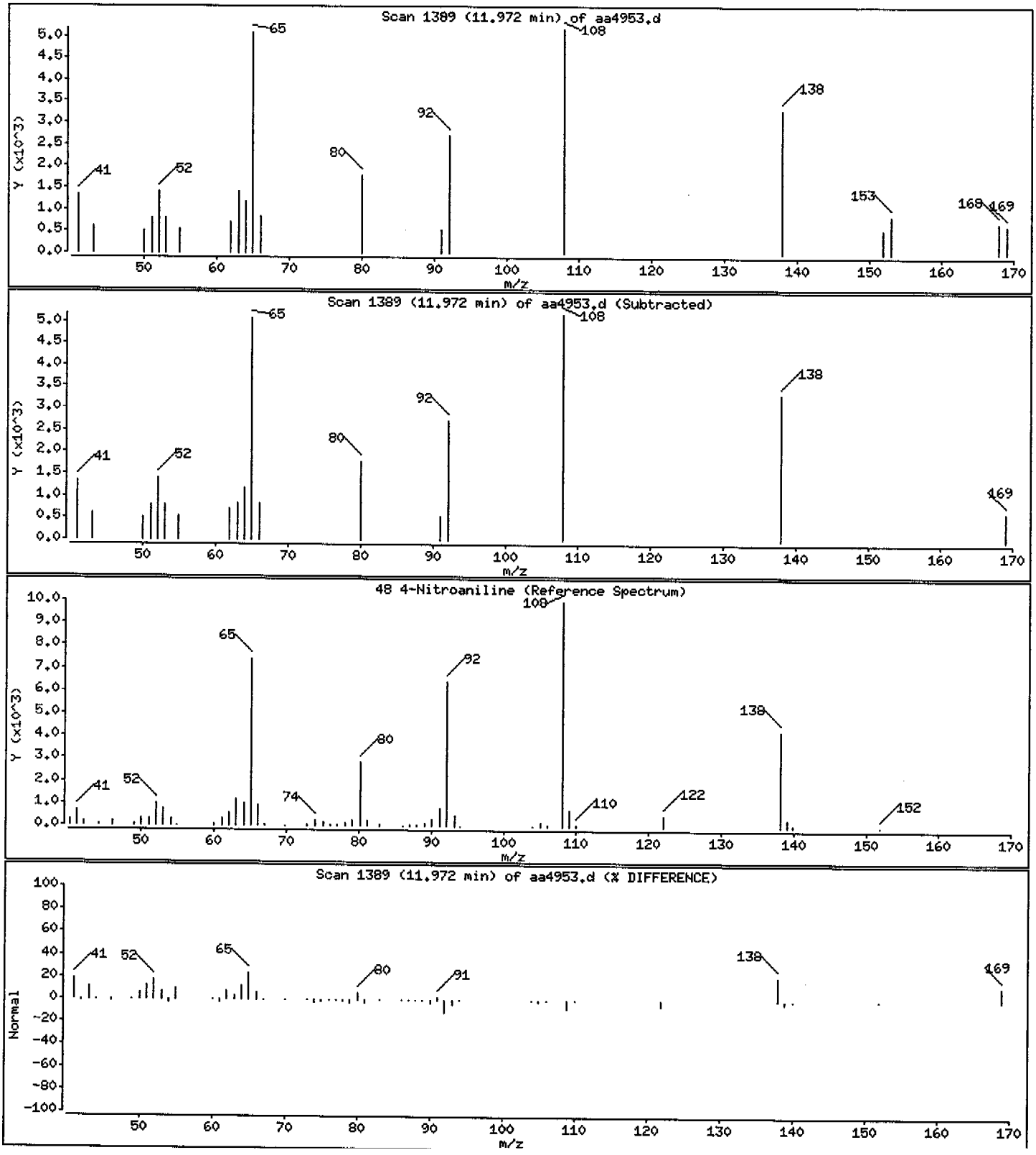
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

48 4-Nitroaniline Concentration: 740 ug/Kg



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Date : 09-OCT-2006 21:59

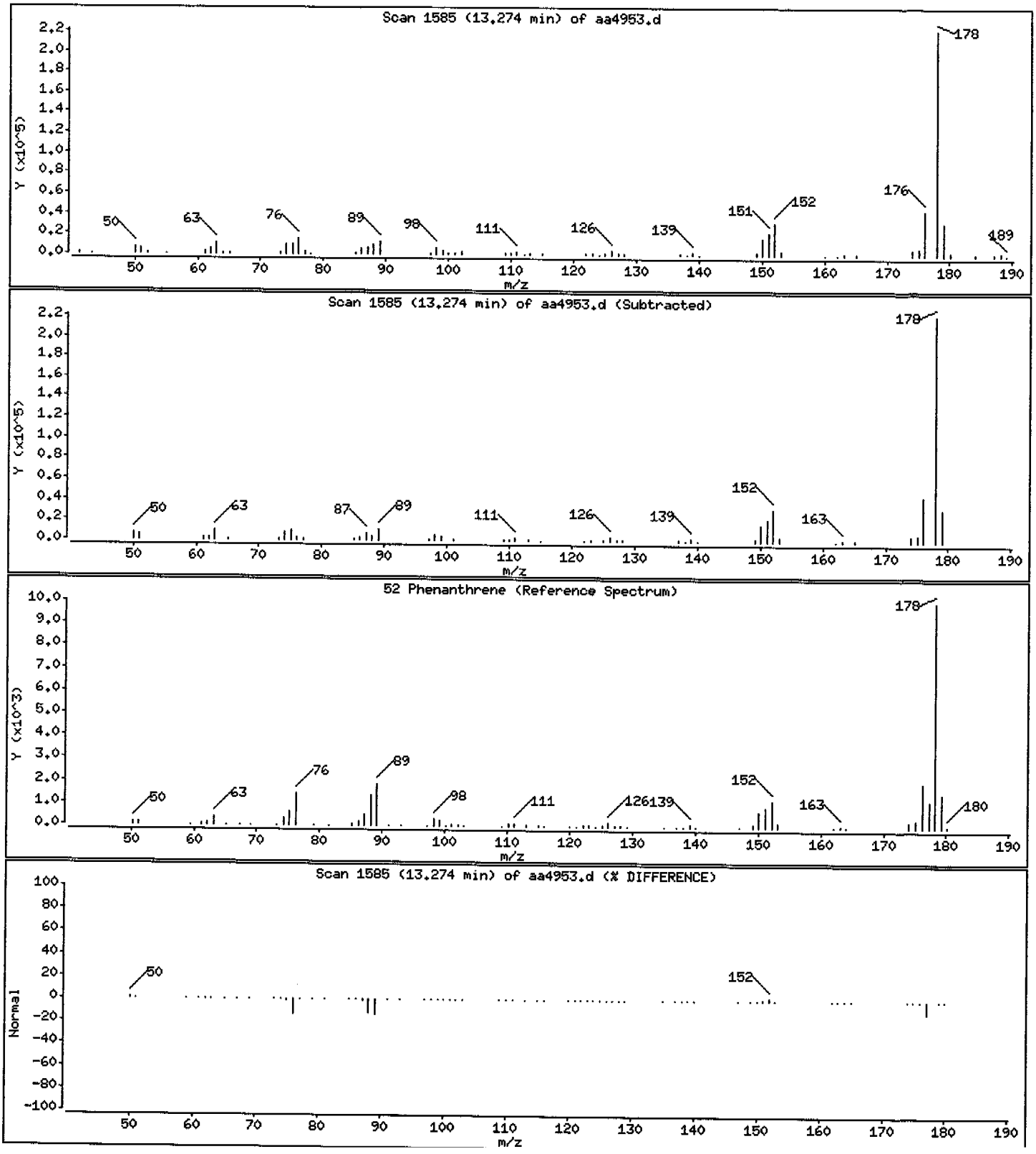
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 6500 ug/Kg



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Date : 09-OCT-2006 21:59

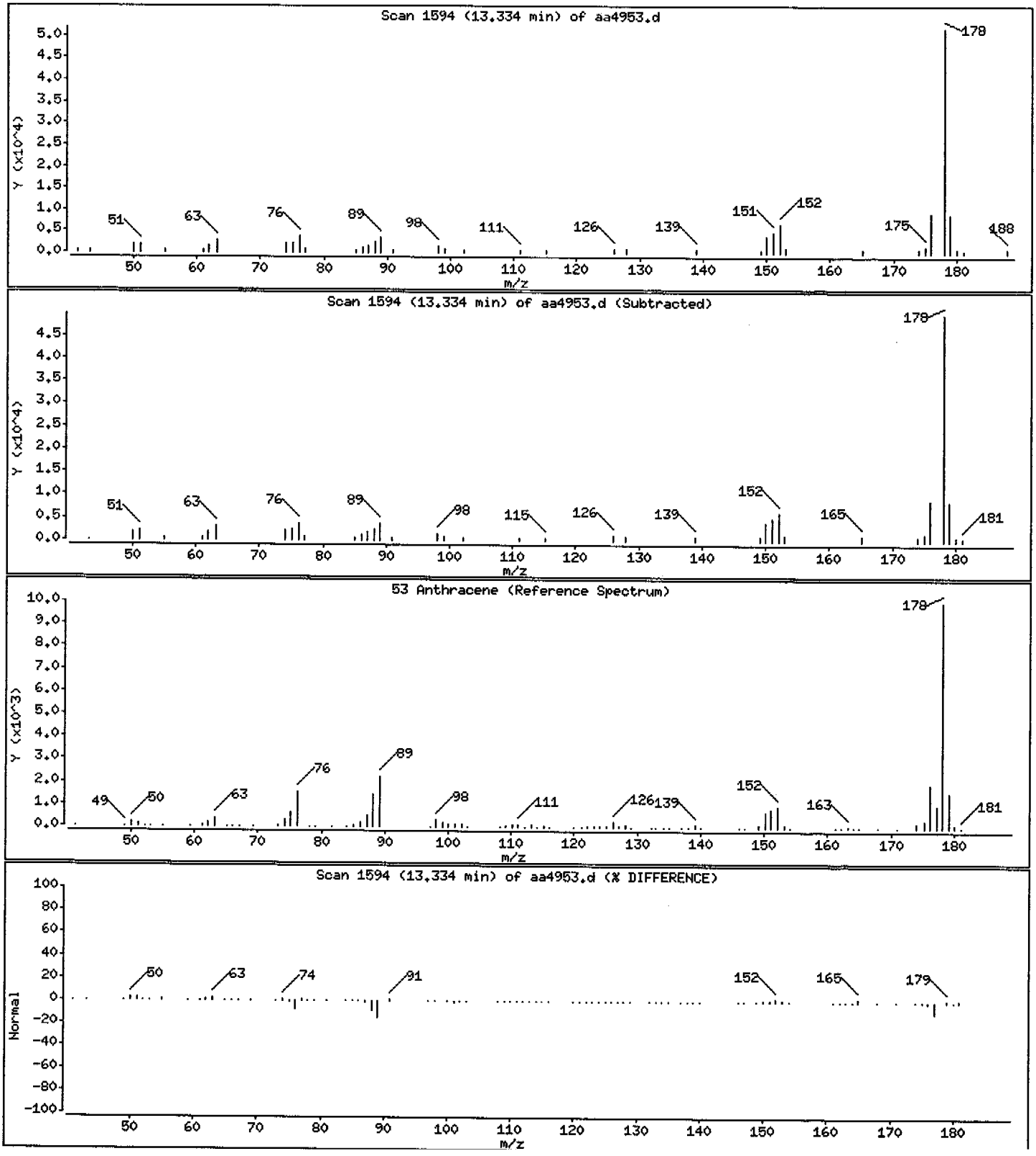
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 1700 ug/Kg



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Date : 09-OCT-2006 21:59

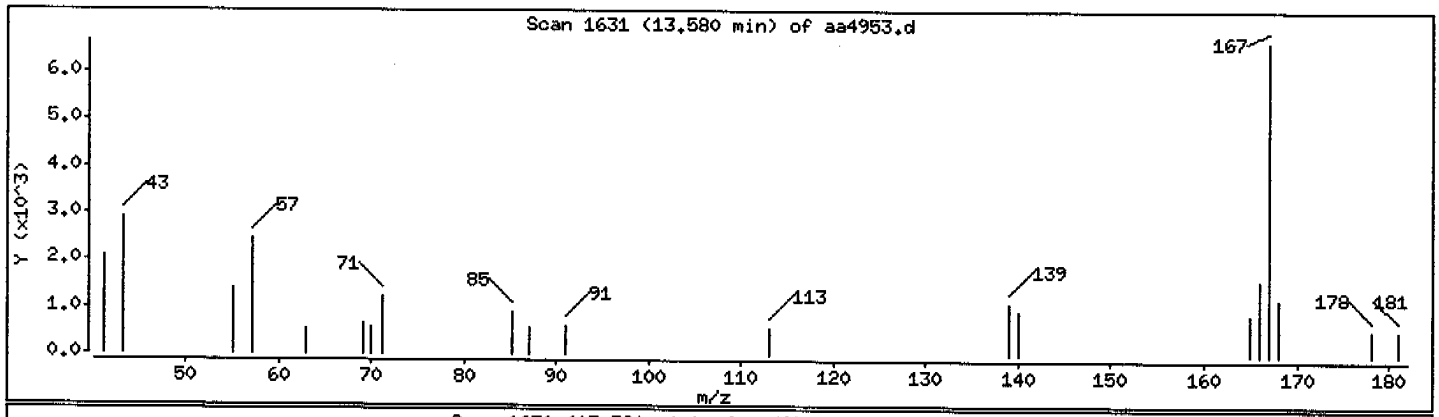
Client ID: B203-SS01 Instrument: BNAMS8.i

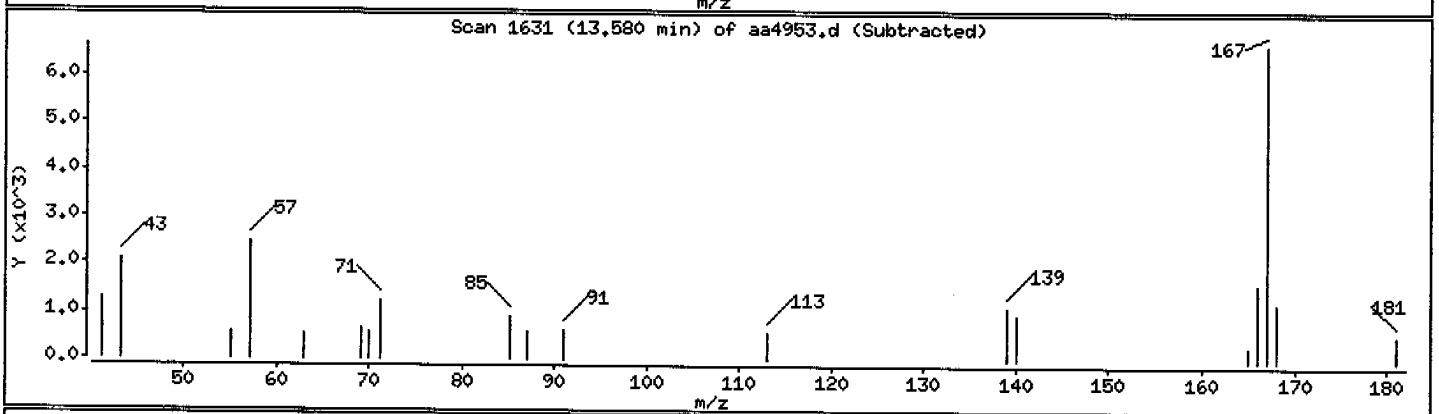
Sample Info: 775605;3285717

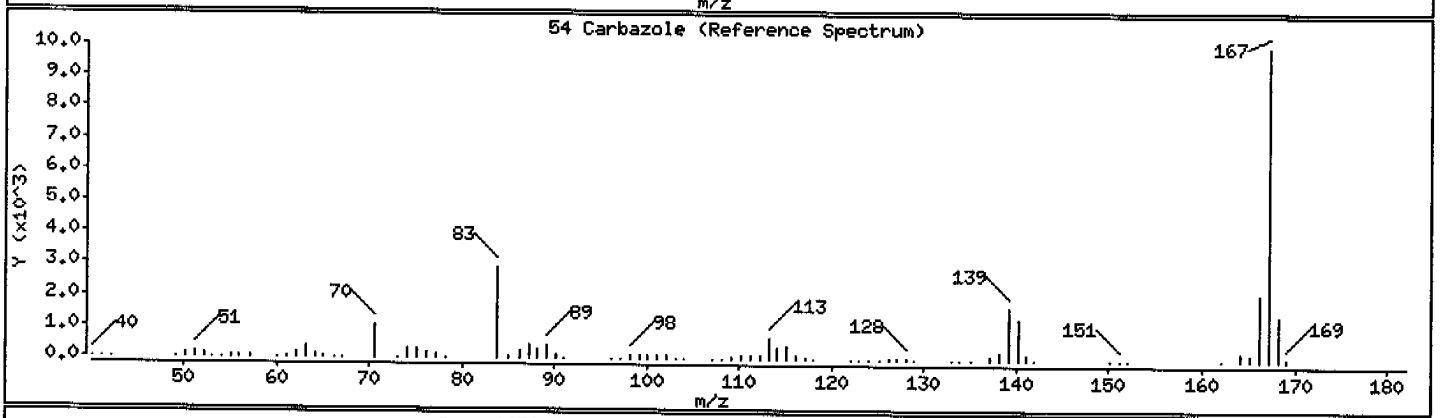
Operator: BNAMS 4

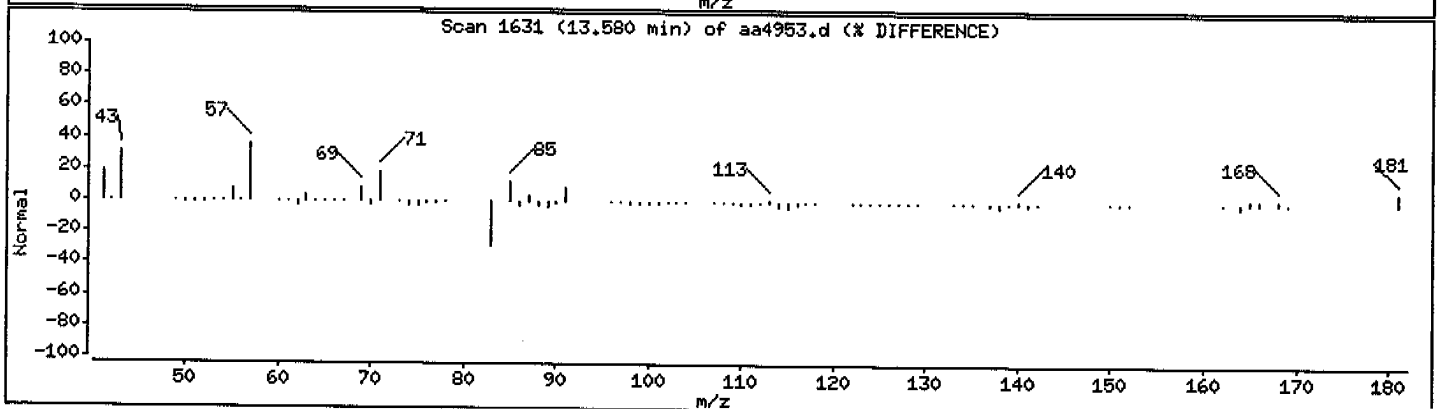
Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 230 ug/Kg









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Date : 09-OCT-2006 21:59

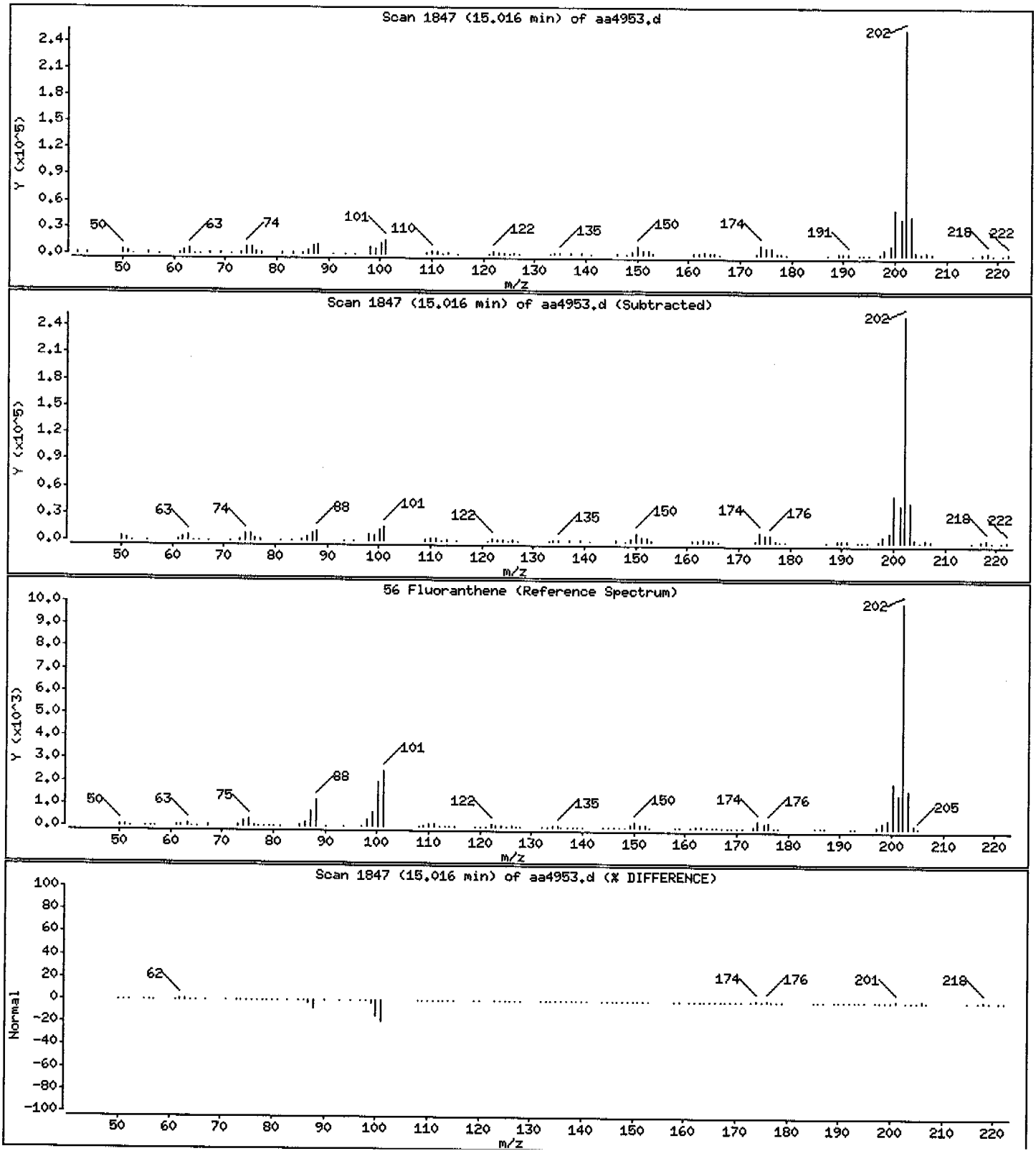
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 8100 ug/Kg



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Date : 09-OCT-2006 21:59

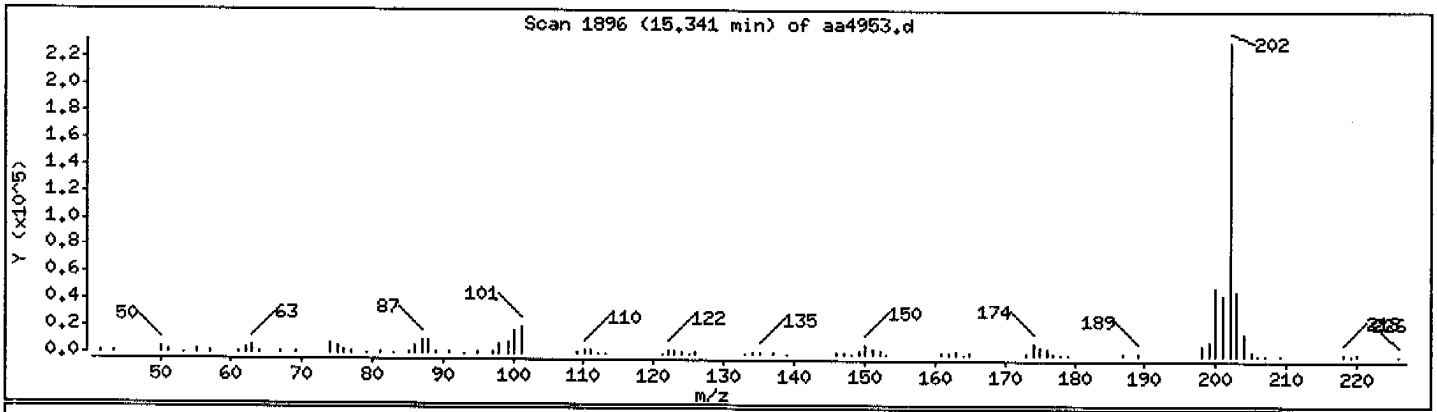
Client ID: B203-SS01 Instrument: BNAMS8.i

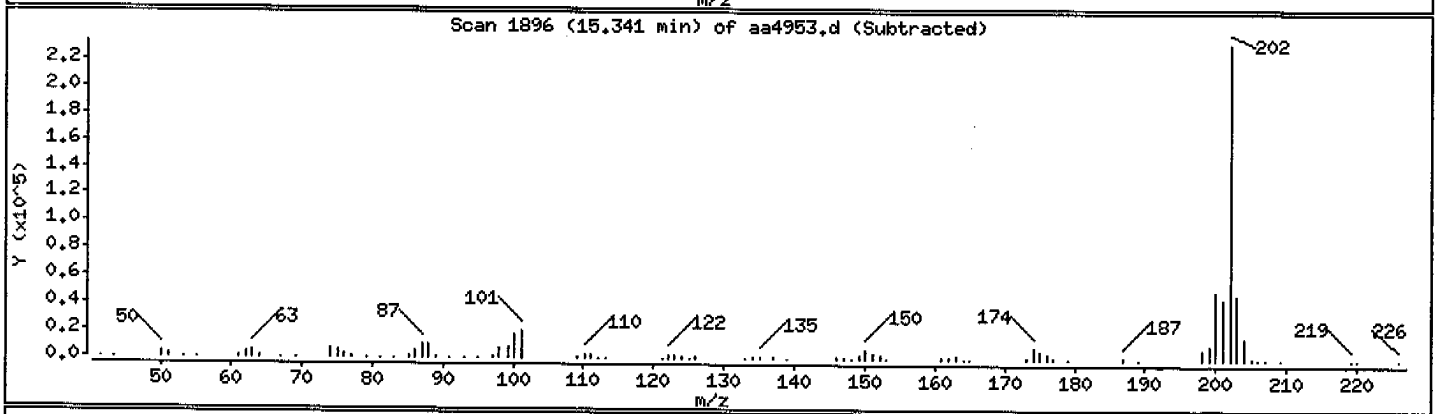
Sample Info: 775605;3285717

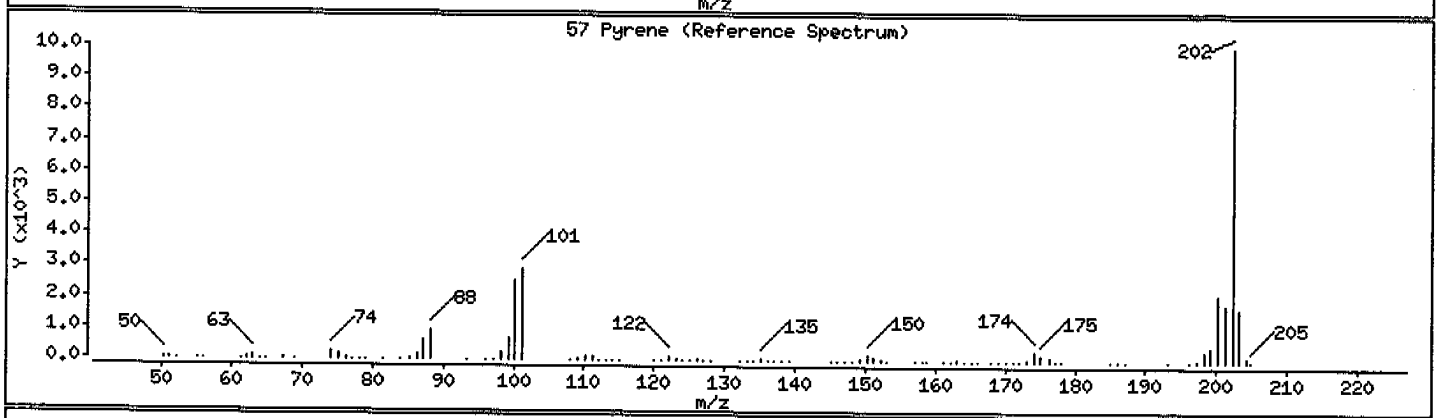
Operator: BNAMS 4

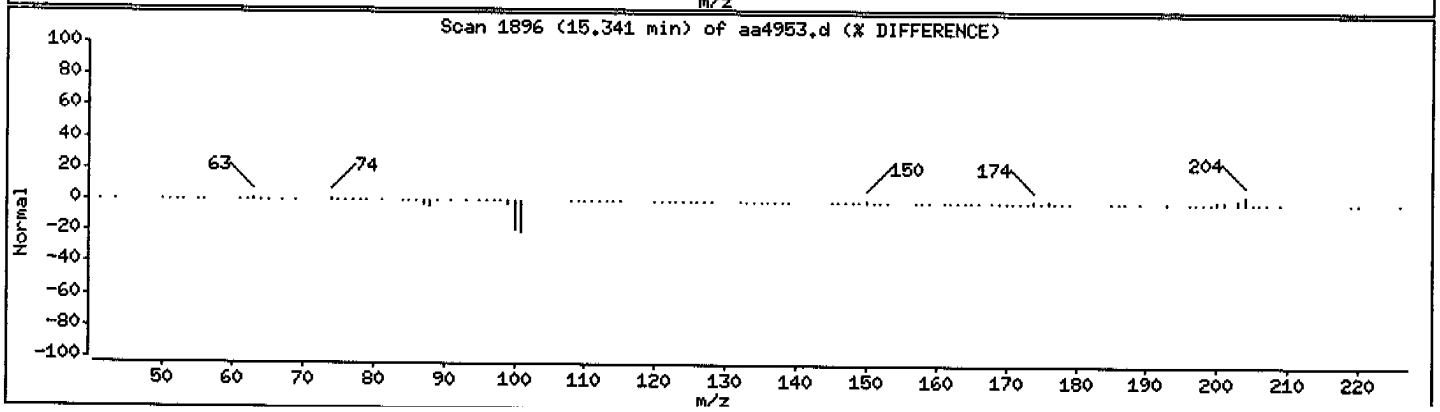
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 12000 ug/Kg









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Date : 09-OCT-2006 21:59

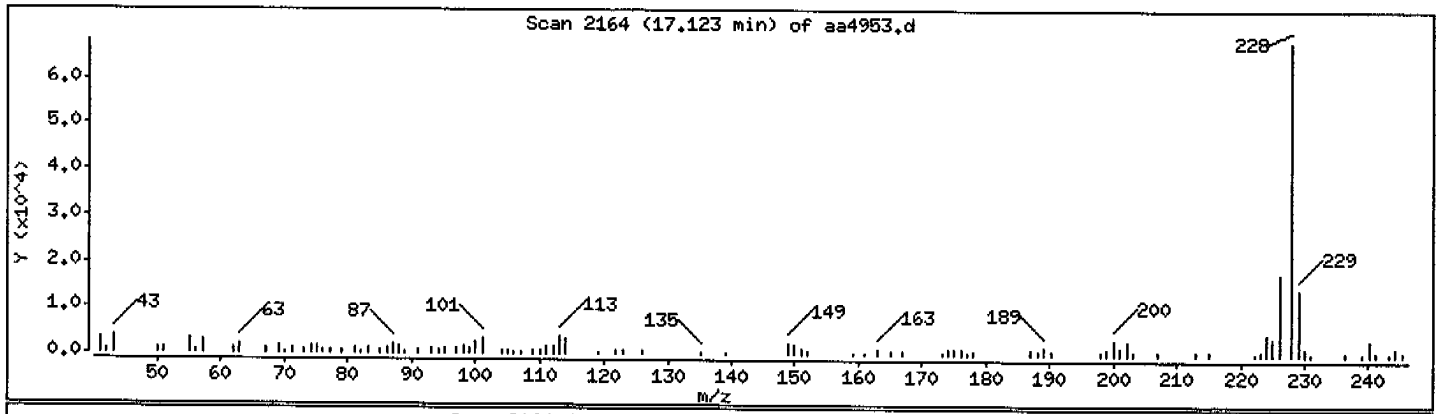
Client ID: B203-SS01 Instrument: BNAMS8.i

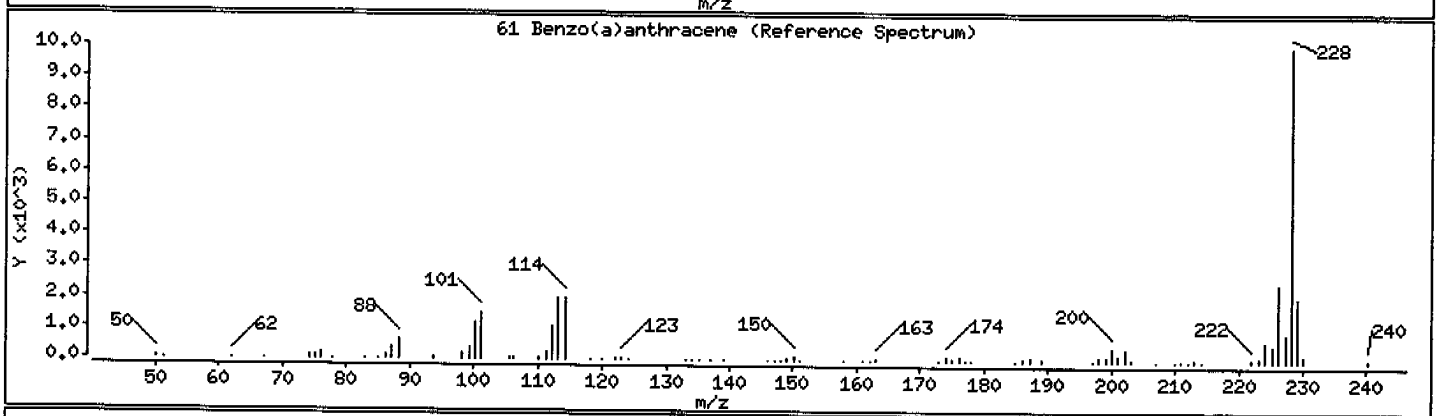
Sample Info: 775605;3285717

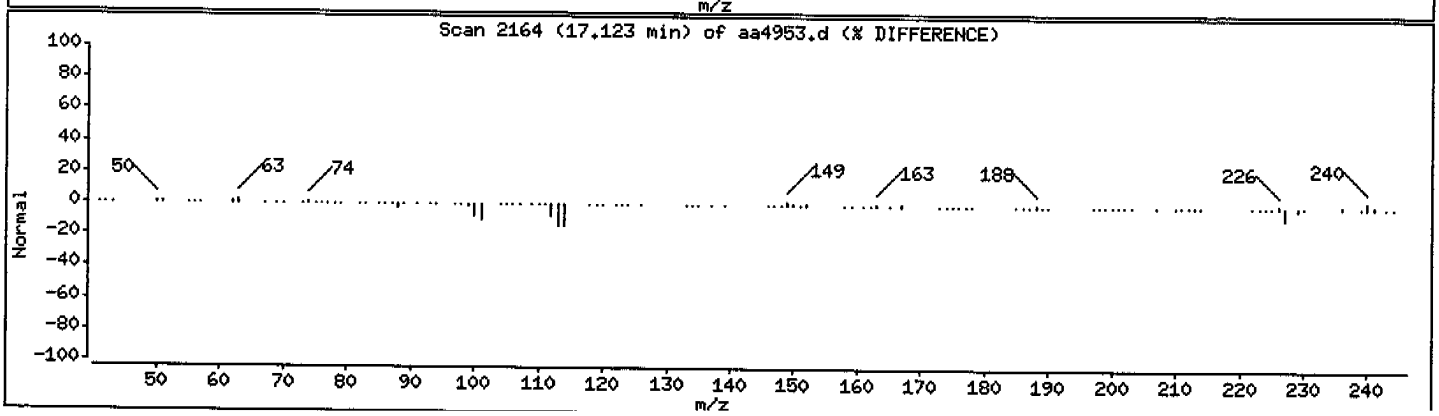
Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 4300 ug/Kg







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Date : 09-OCT-2006 21:59

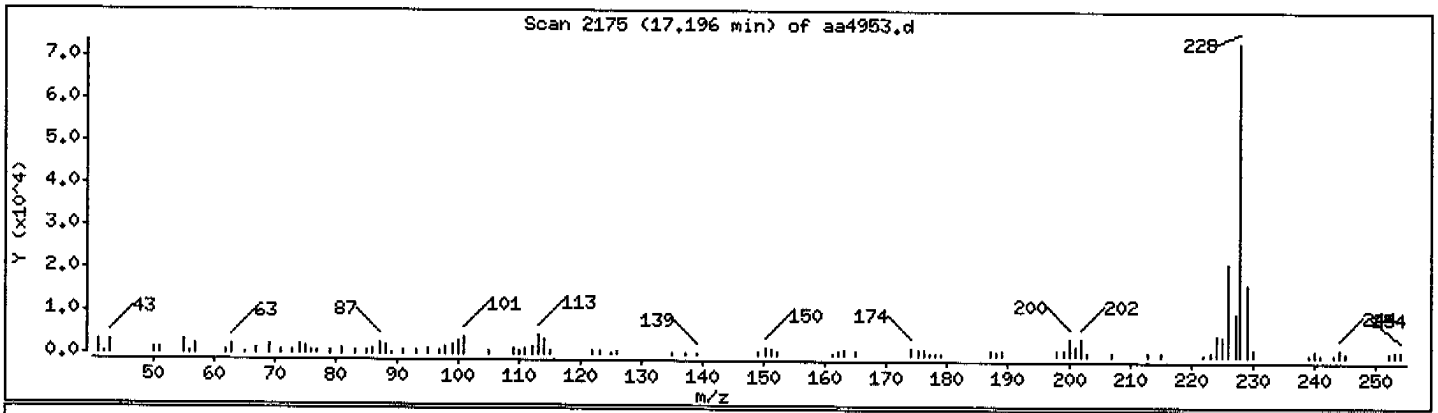
Client ID: B203-SS01 Instrument: BNAMS8.i

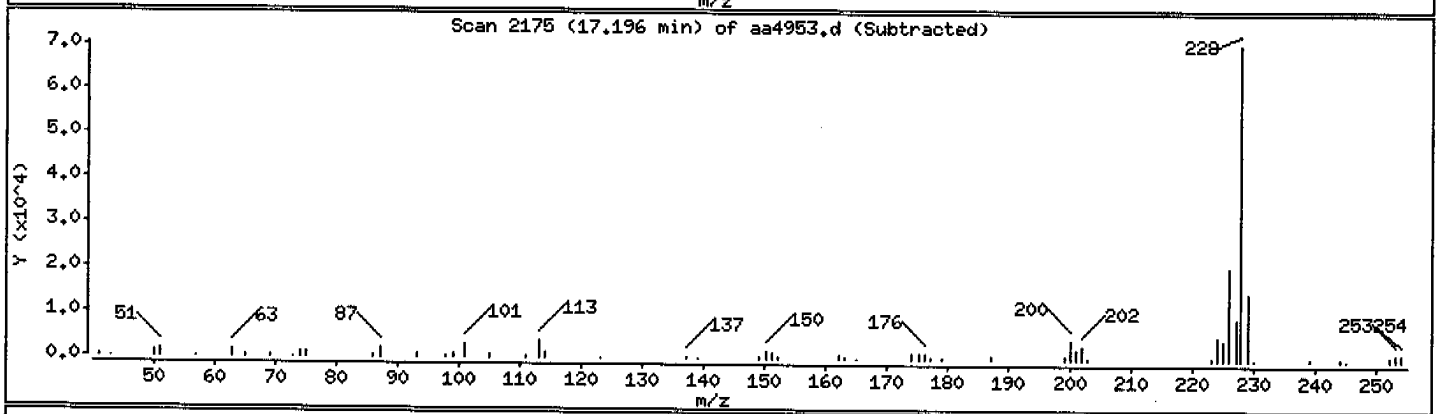
Sample Info: 775605;3285717

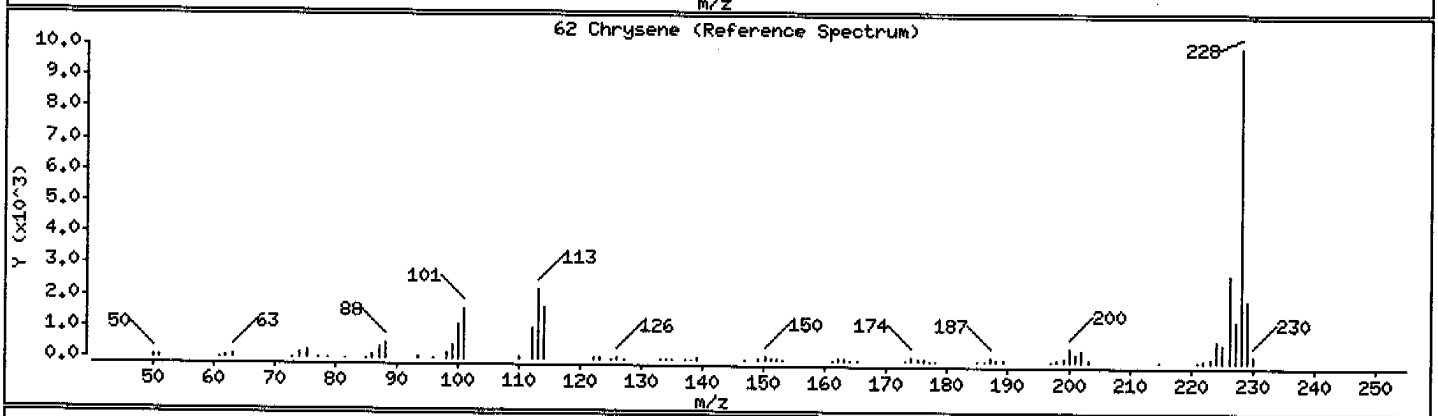
Operator: BNAMS 4

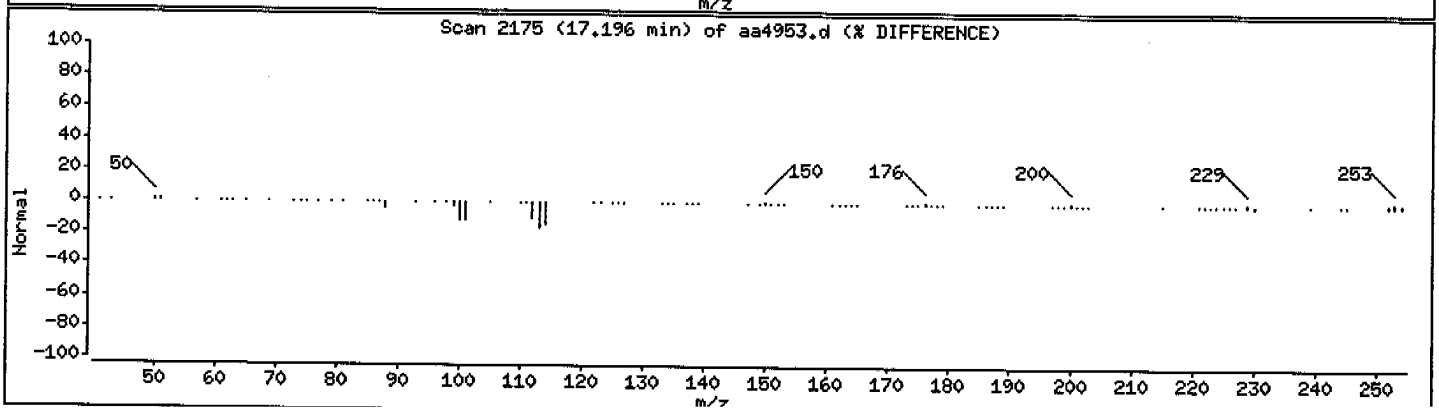
Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 4700 ug/Kg









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Date : 09-OCT-2006 21:59

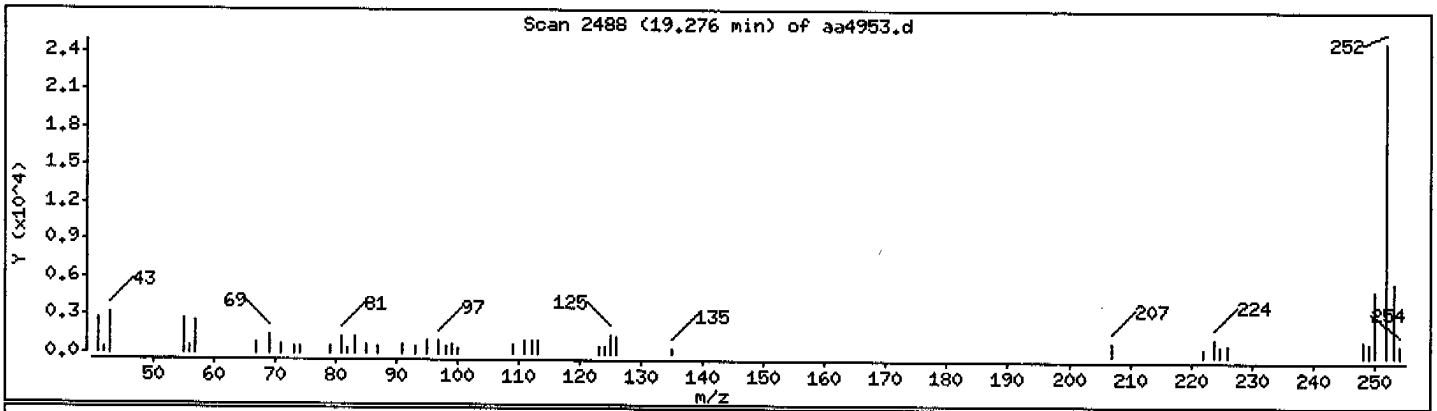
Client ID: B203-SS01 Instrument: BNAMS8.i

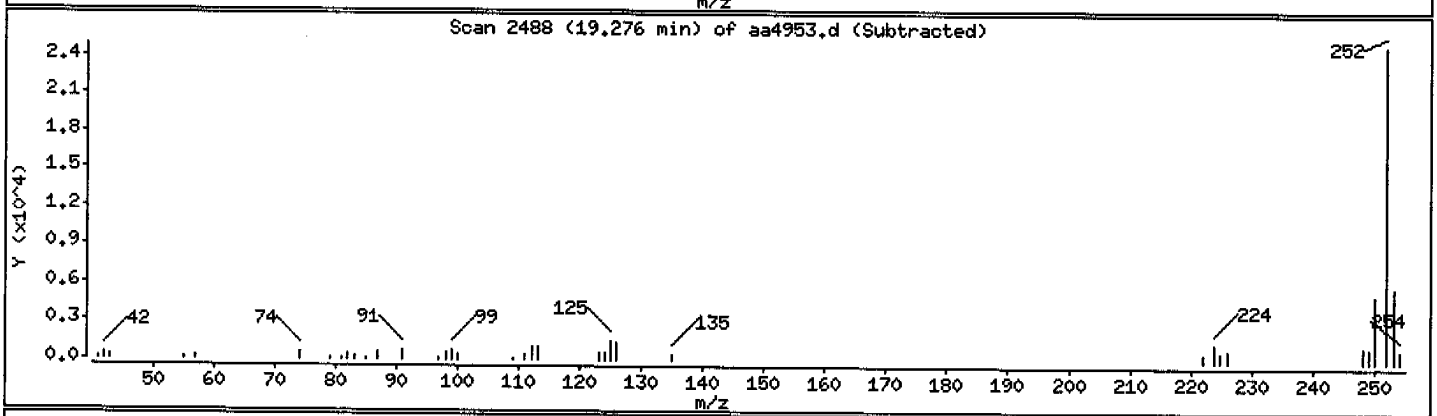
Sample Info: 775605;3285717

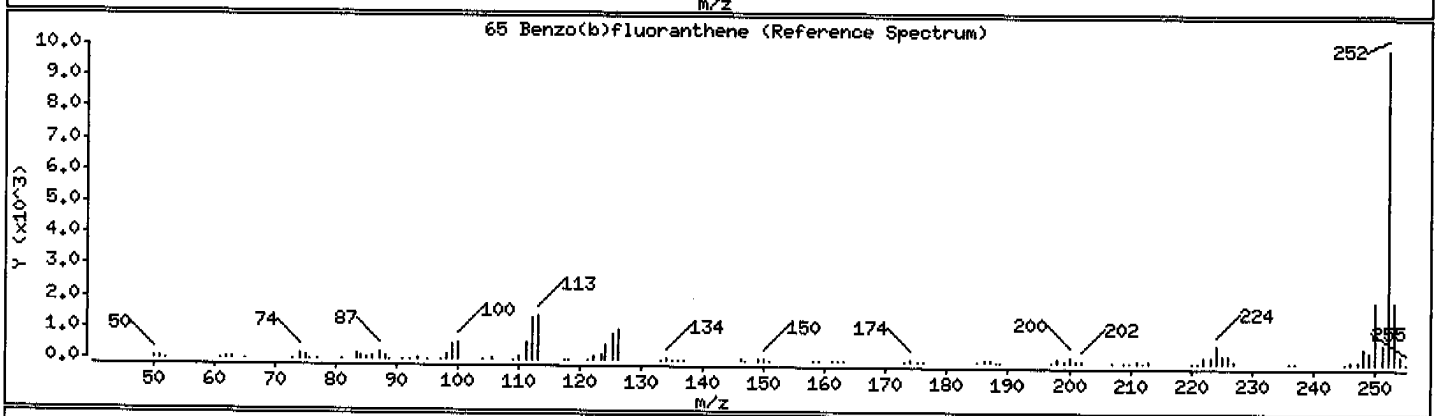
Operator: BNAMS 4

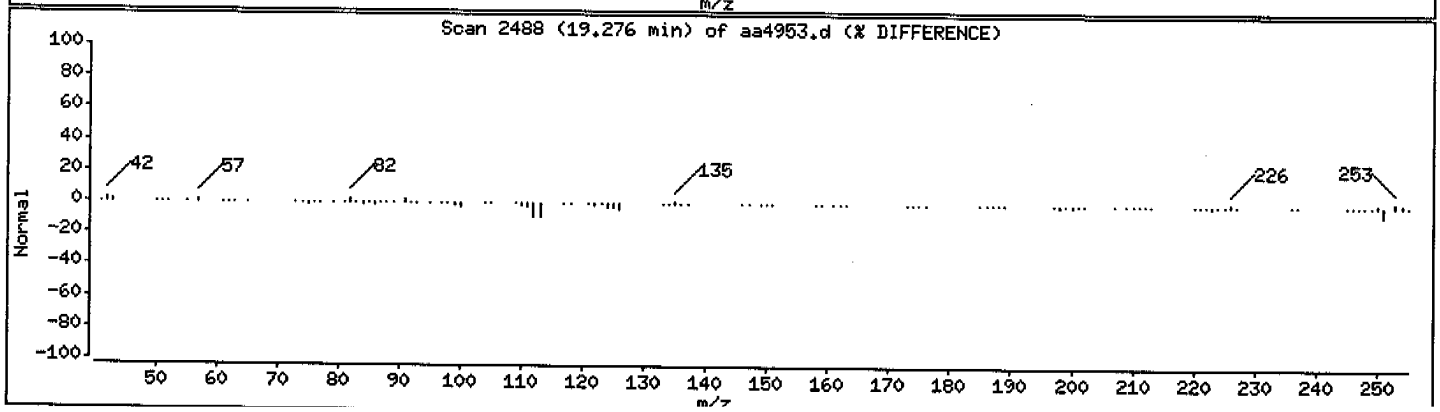
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 4200 ug/Kg









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Date : 09-OCT-2006 21:59

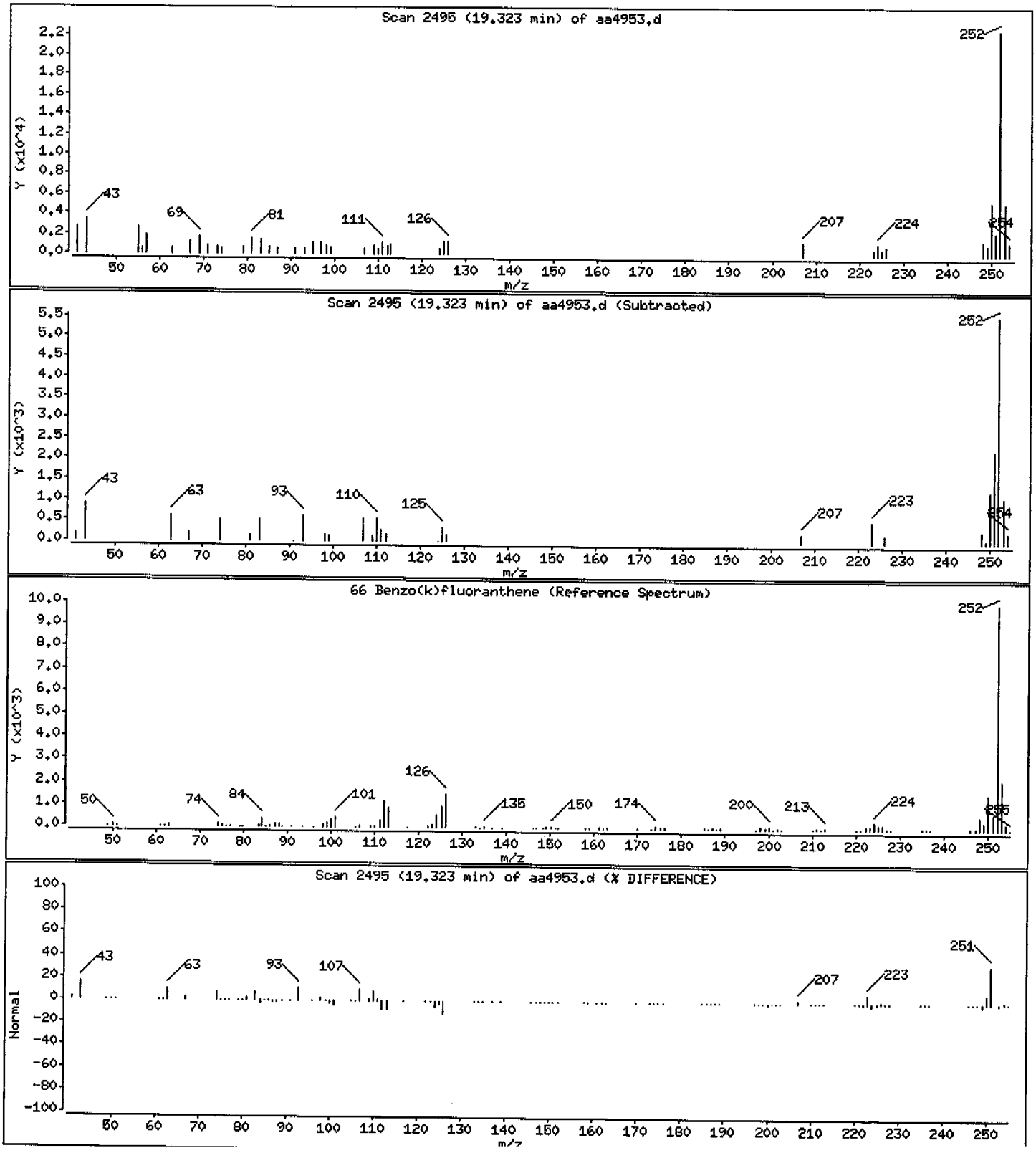
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 4800 ug/Kg



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Date : 09-OCT-2006 21:59

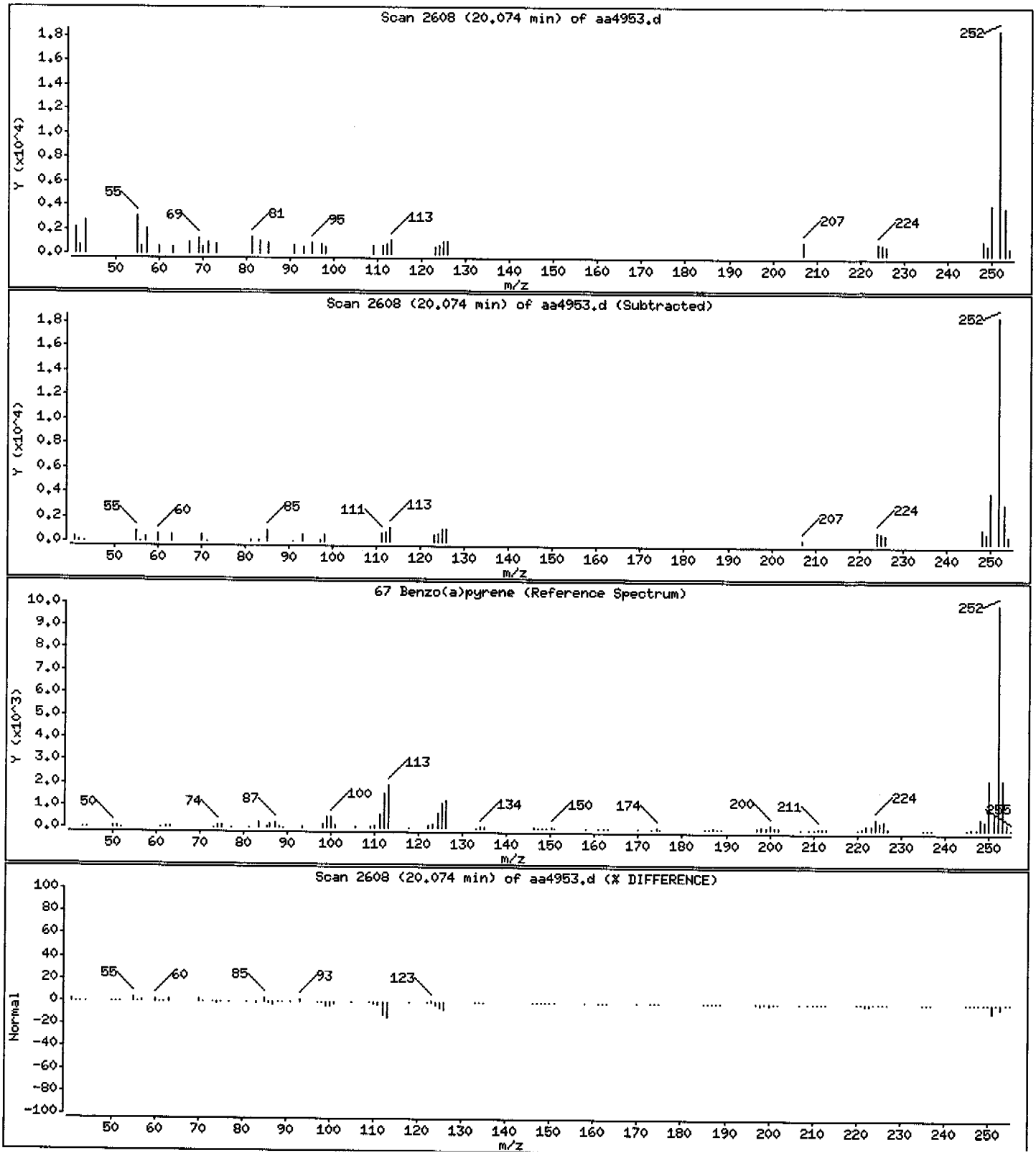
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

67 Benzo(a)pyrene Concentration: 4300 ug/Kg



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Date : 09-OCT-2006 21:59

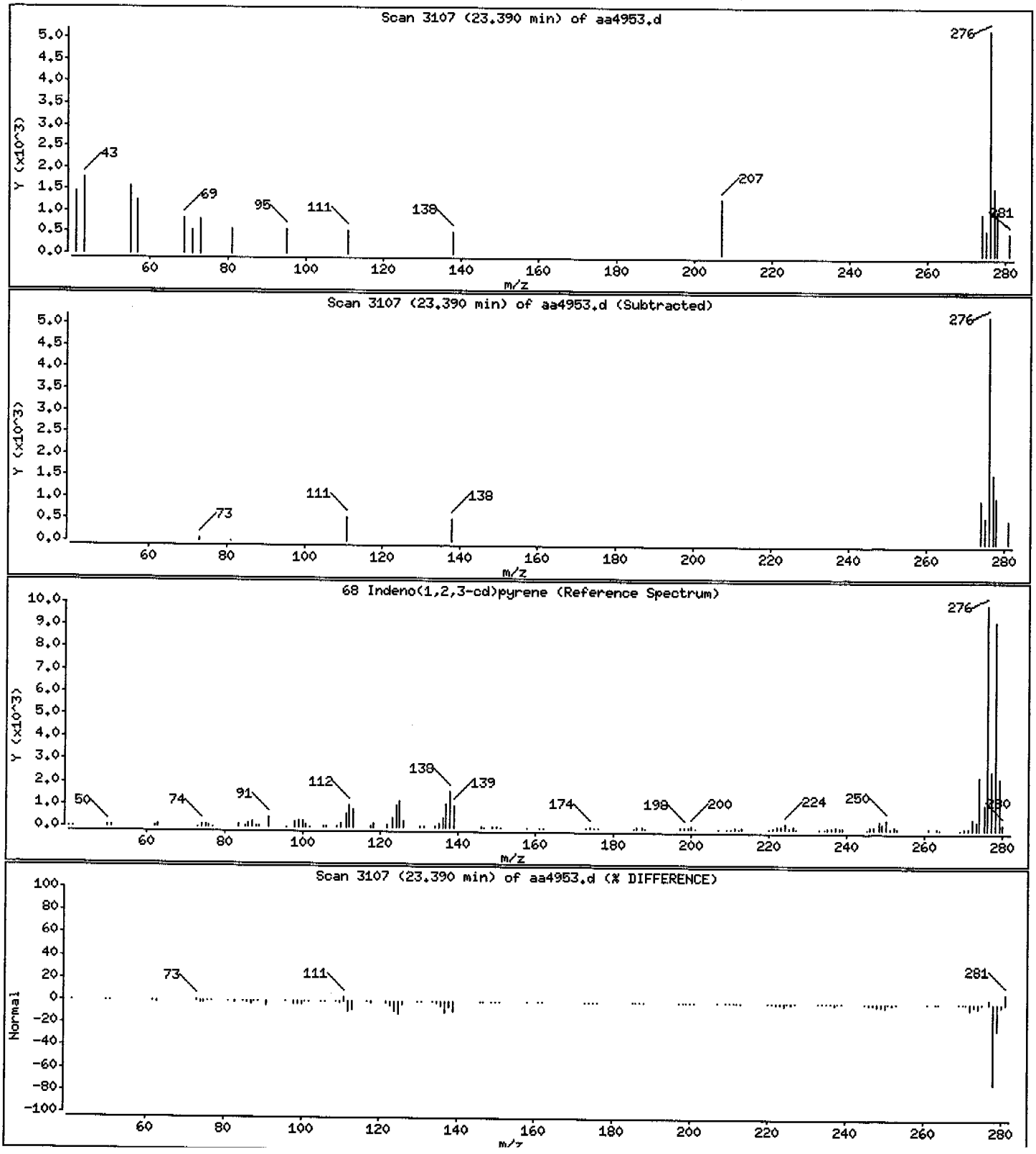
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene Concentration: 1200 ug/Kg



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Date : 09-OCT-2006 21:59

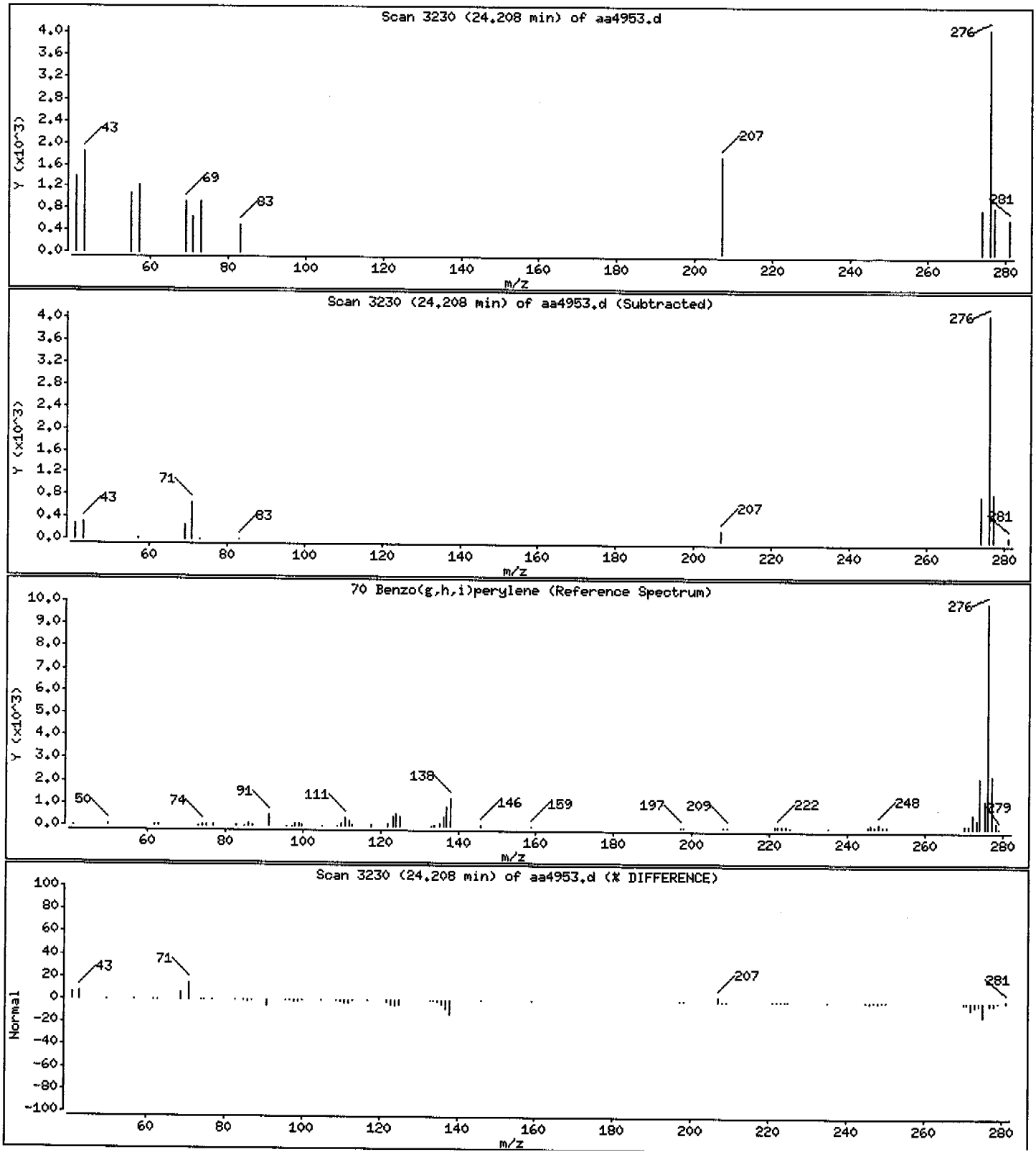
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

70 Benzo(g,h,i)perylene Concentration: 1000 ug/Kg



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

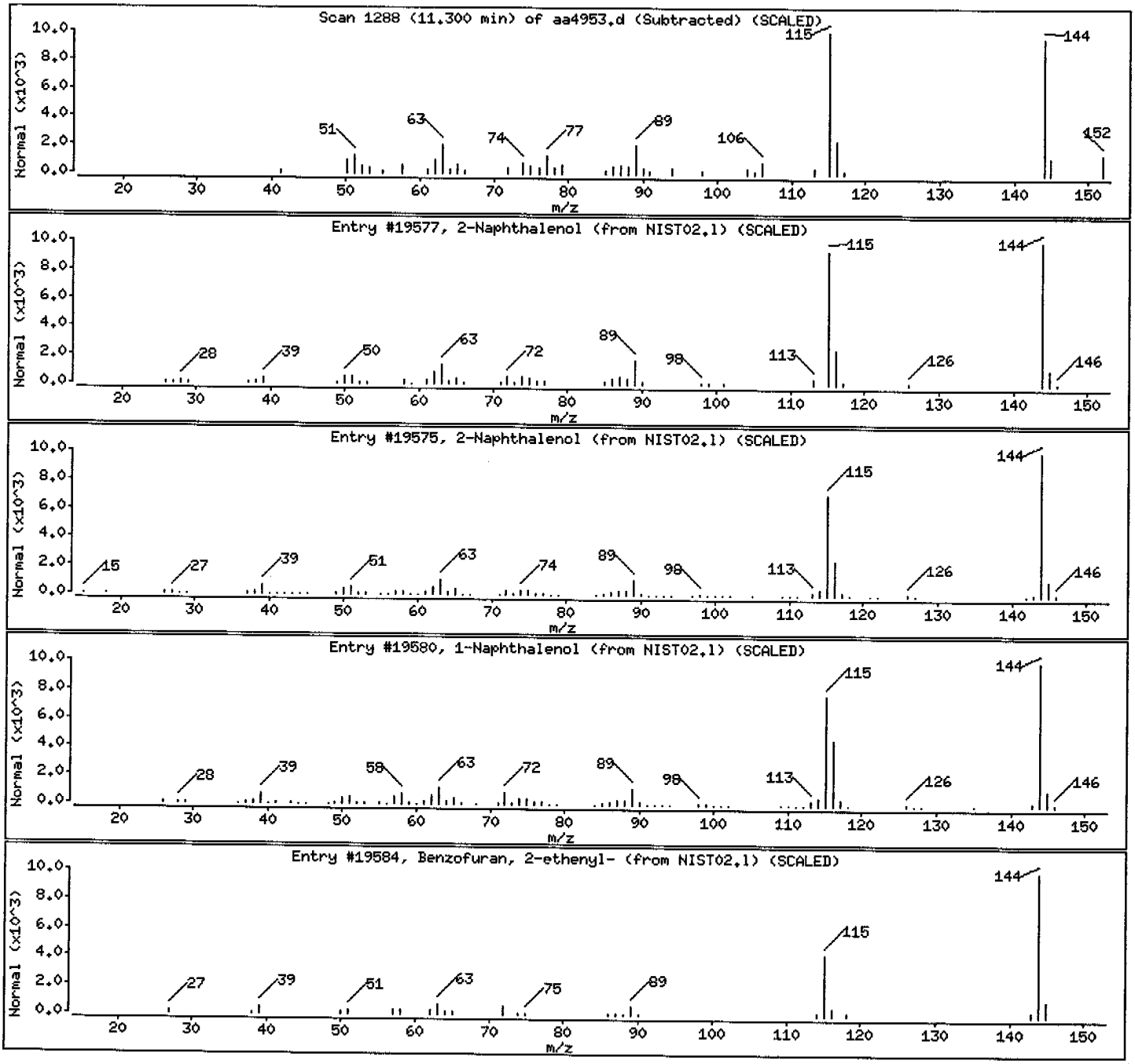
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Naphthalenol	135-19-3	NIST02.l	19577	93	C10H8O	144
2-Naphthalenol	135-19-3	NIST02.l	19575	87	C10H8O	144
1-Naphthalenol	90-15-3	NIST02.l	19580	80	C10H8O	144
Benzofuran, 2-ethenyl-	7522-79-4	NIST02.l	19584	68	C10H8O	144



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

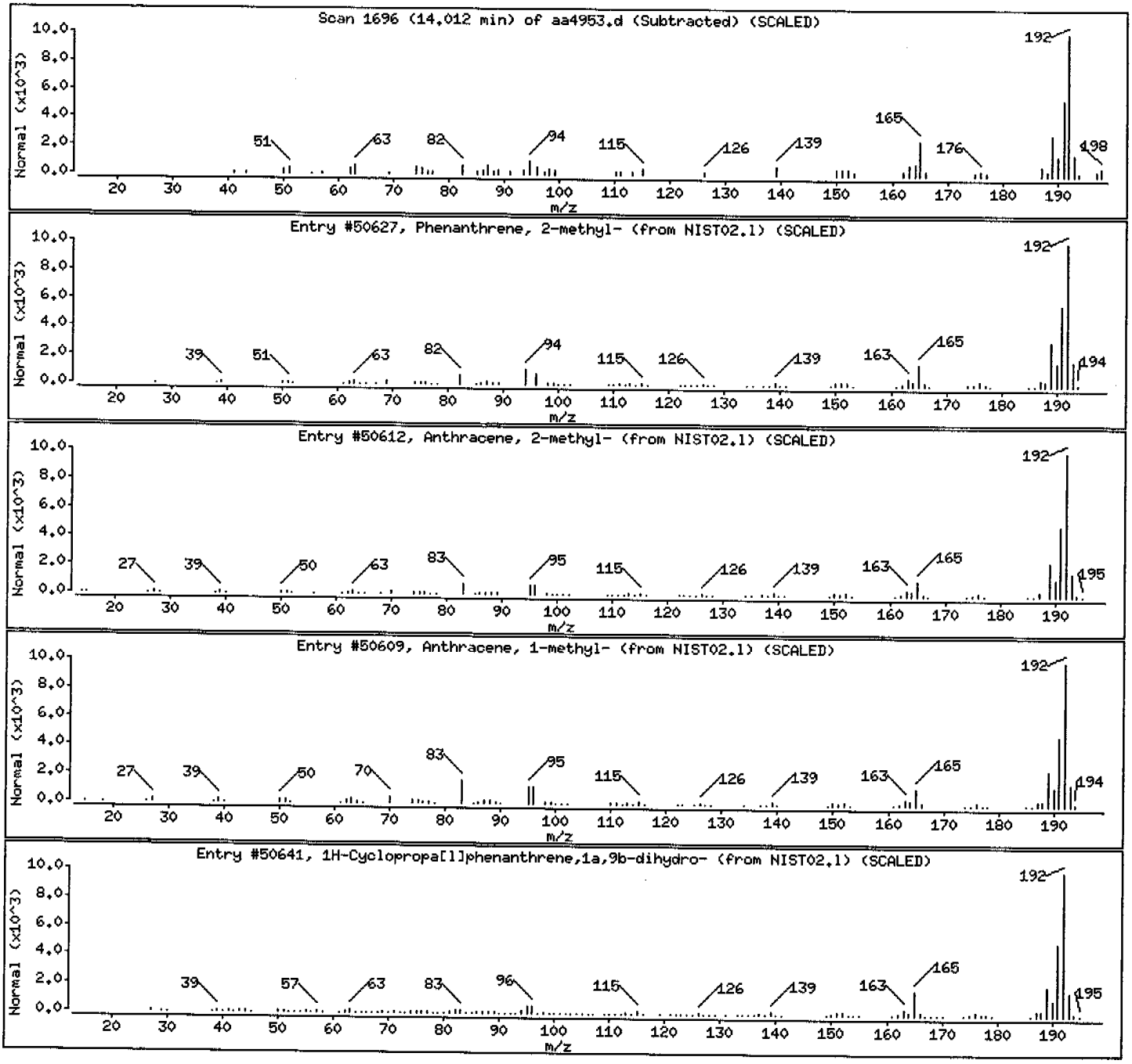
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Phenanthrene, 2-methyl-	2531-84-2	NIST02.l	50627	95	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50612	95	C15H12	192
Anthracene, 1-methyl-	610-48-0	NIST02.l	50609	95	C15H12	192
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST02.l	50641	94	C15H12	192



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

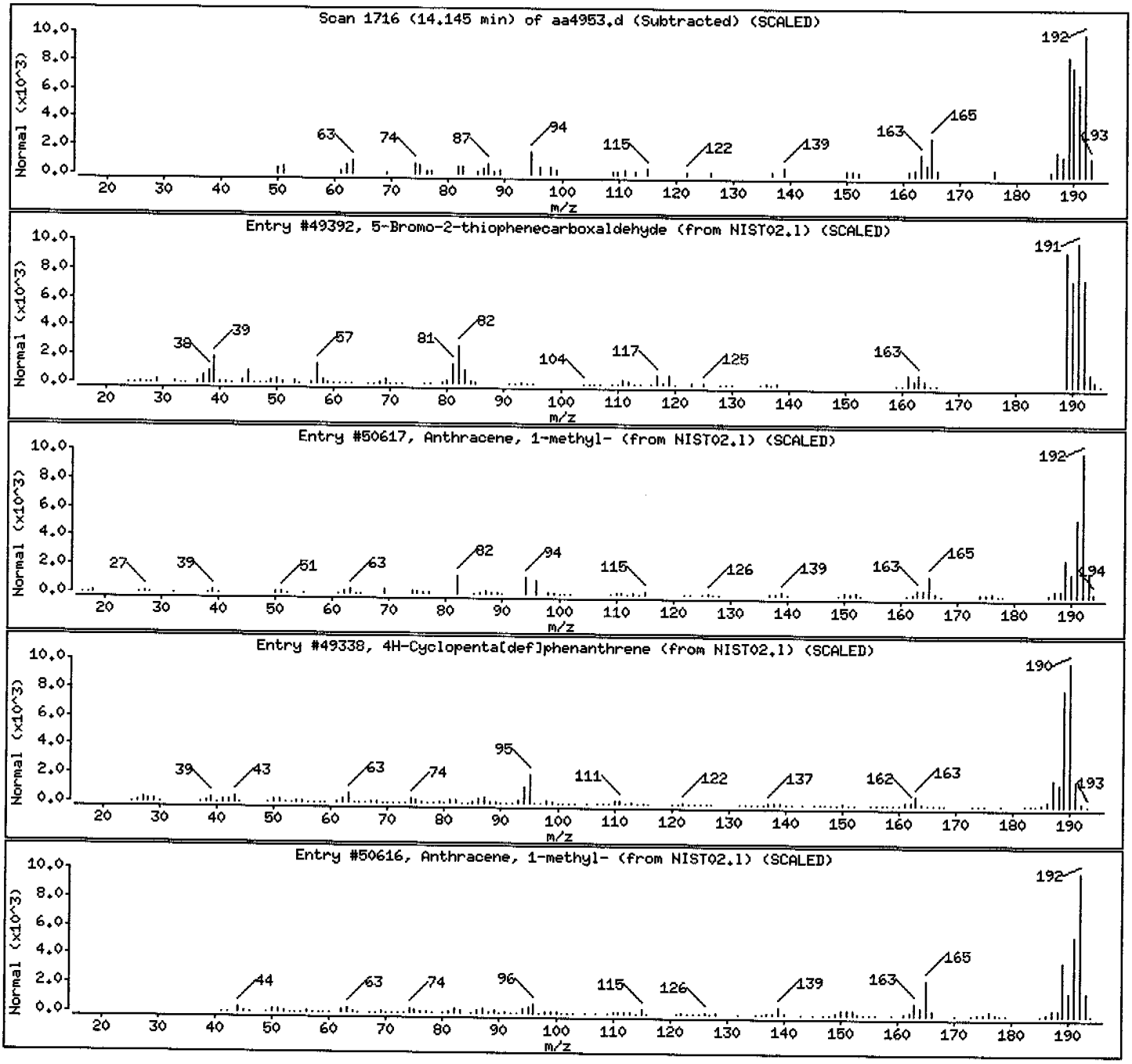
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H10/C15H12 PAHs						
5-Bromo-2-thiophenecarboxaldehyde	4701-17-1	NIST02.l	49392	64	C5H3BrOS	190
Anthracene, 1-methyl-	610-48-0	NIST02.l	50617	50	C15H12	192
4H-Cyclopenta[def]phenanthrene	203-64-5	NIST02.l	49338	46	C15H10	190
Anthracene, 1-methyl-	610-48-0	NIST02.l	50616	46	C15H12	192



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Date : 09-OCT-2006 21:59

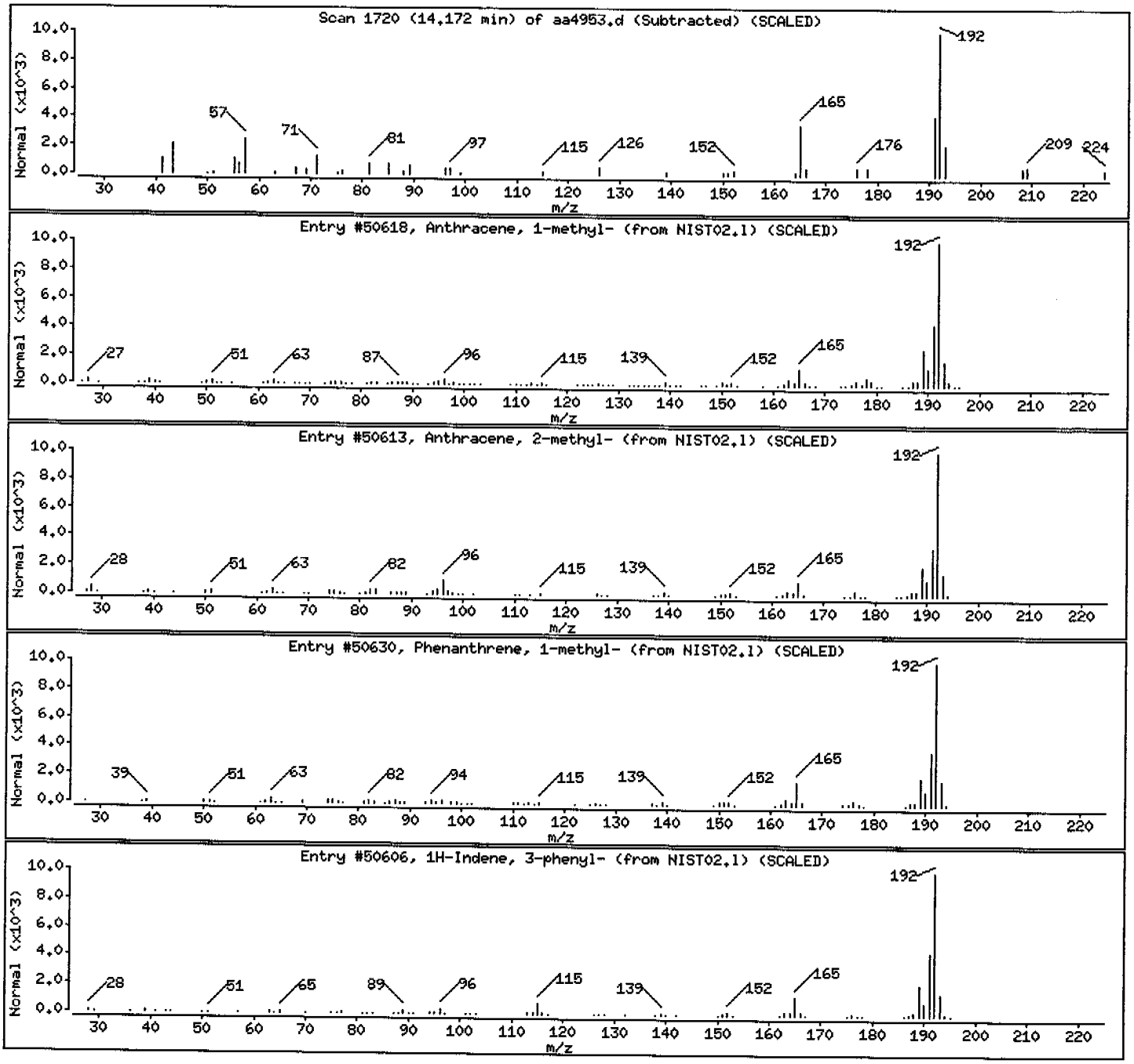
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Anthracene, 1-methyl-	610-48-0	NIST02.l	50618	74	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50613	72	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NIST02.l	50630	72	C15H12	192
1H-Indene, 3-phenyl-	1961-97-3	NIST02.l	50606	72	C15H12	192



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Date : 09-OCT-2006 21:59

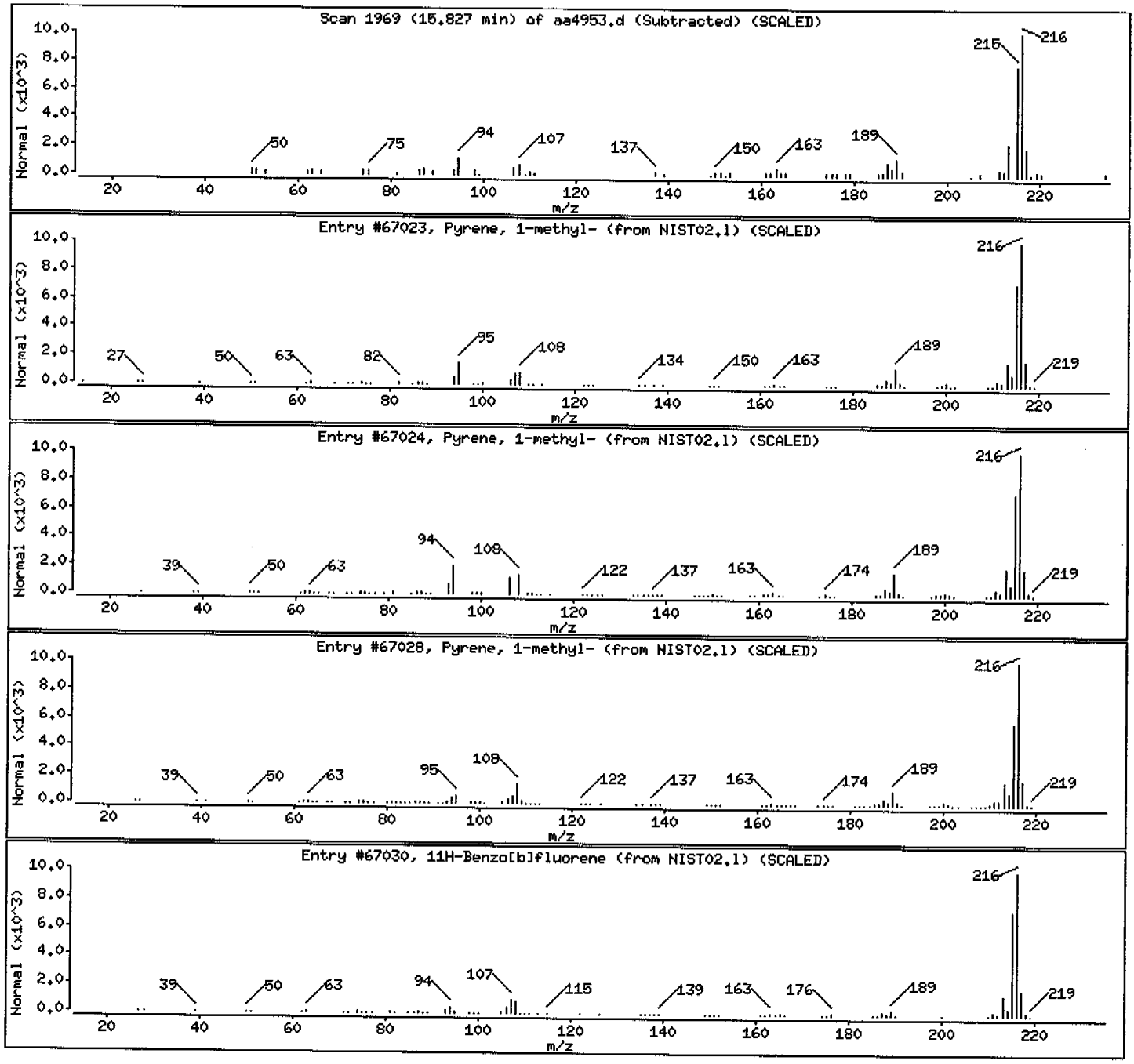
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C17H12 PAH						
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67023	90	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67024	87	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST02.l	67028	87	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST02.l	67030	87	C17H12	216



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Date : 09-OCT-2006 21:59

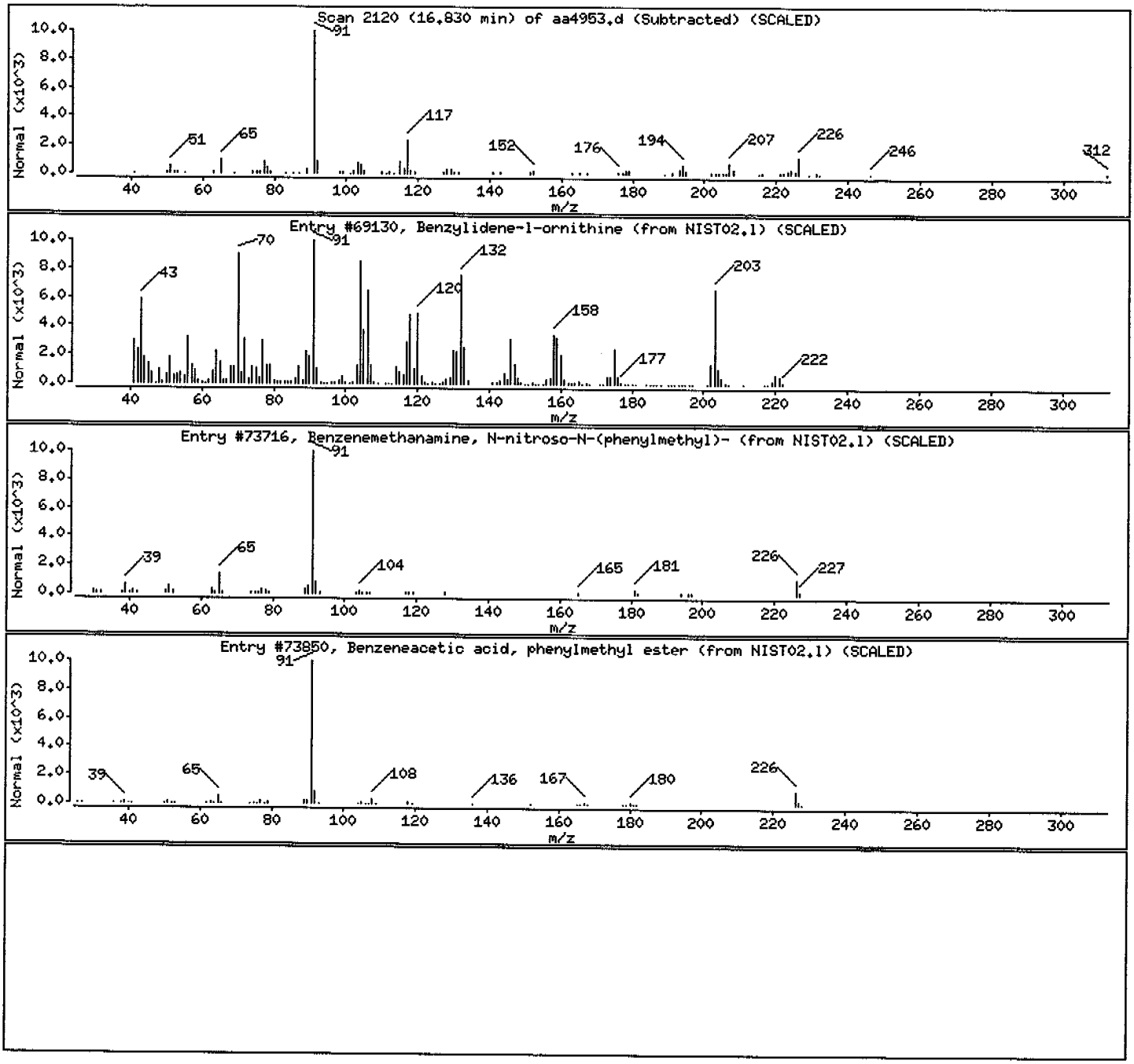
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzylidene-l-ornithine	25693-00-9	NIST02.l	69130	37	C12H16N2O2	220
Benzenemethanamine, N-nitroso-N-(phenylm	5336-53-8	NIST02.l	73716	30	C14H14N2O	226
Benzeneacetic acid, phenylmethyl ester	102-16-9	NIST02.l	73850	27	C15H14O2	226



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

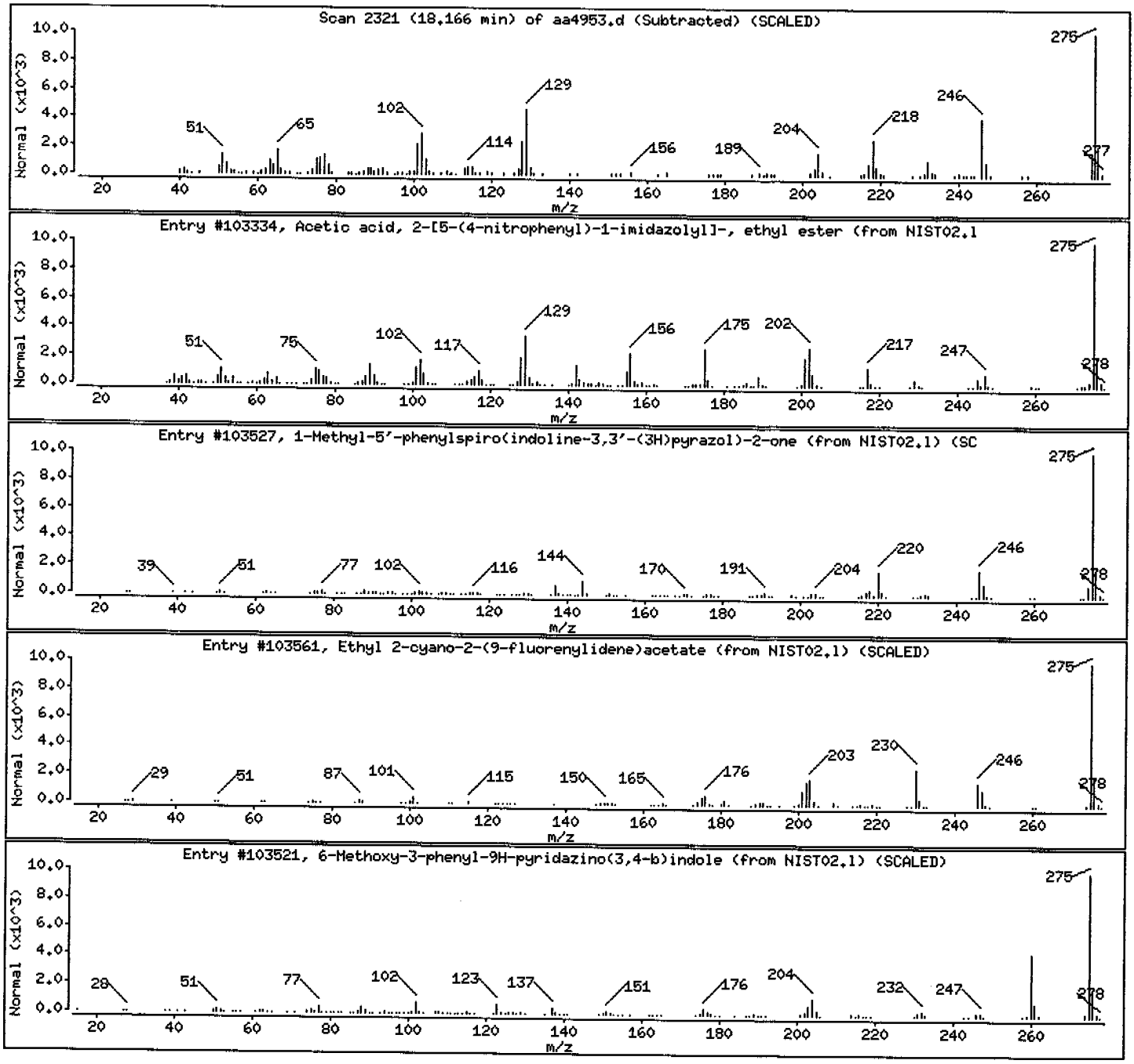
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetic acid, 2-[5-(4-nitrophenyl)-1-imid	351064-45-4	NIST02.l	103334	50	C13H13N3O4	275
1-Methyl-5'-phenylspiro(indoline-3,3'-(3	15970-21-5	NIST02.l	103527	43	C17H13N3O	275
Ethyl 2-cyano-2-(9-fluorenylidene)acetat	14003-25-9	NIST02.l	103561	38	C18H13NO2	275
6-Methoxy-3-phenyl-9H-pyridazino(3,4-b)i	3980-94-7	NIST02.l	103521	38	C17H13N3O	275



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

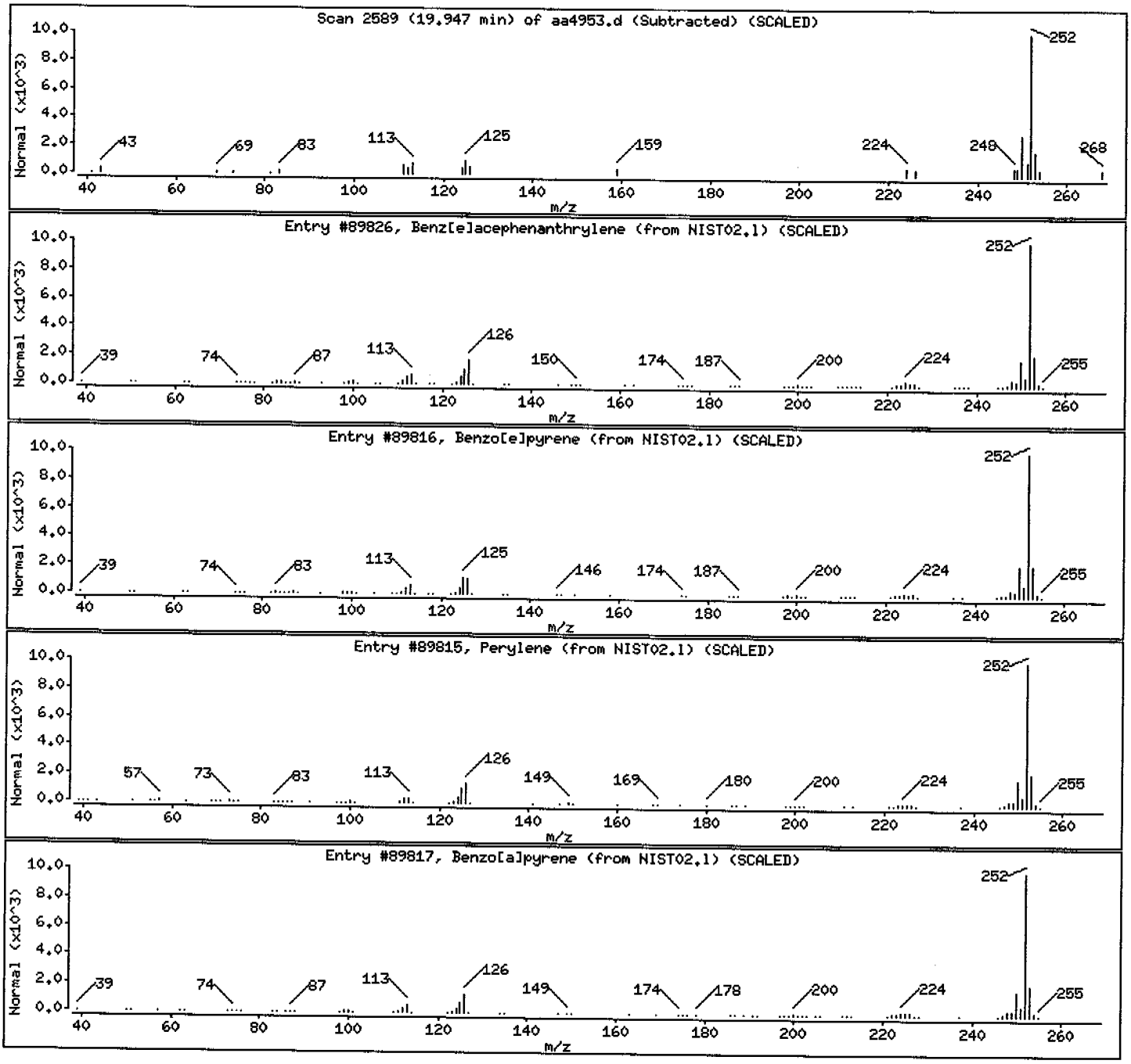
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89826	74	C20H12	252
Benzo[e]pyrene	192-97-2	NIST02.l	89816	74	C20H12	252
Perylene	198-55-0	NIST02.l	89815	72	C20H12	252
Benzo[a]pyrene	50-32-8	NIST02.l	89817	68	C20H12	252



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

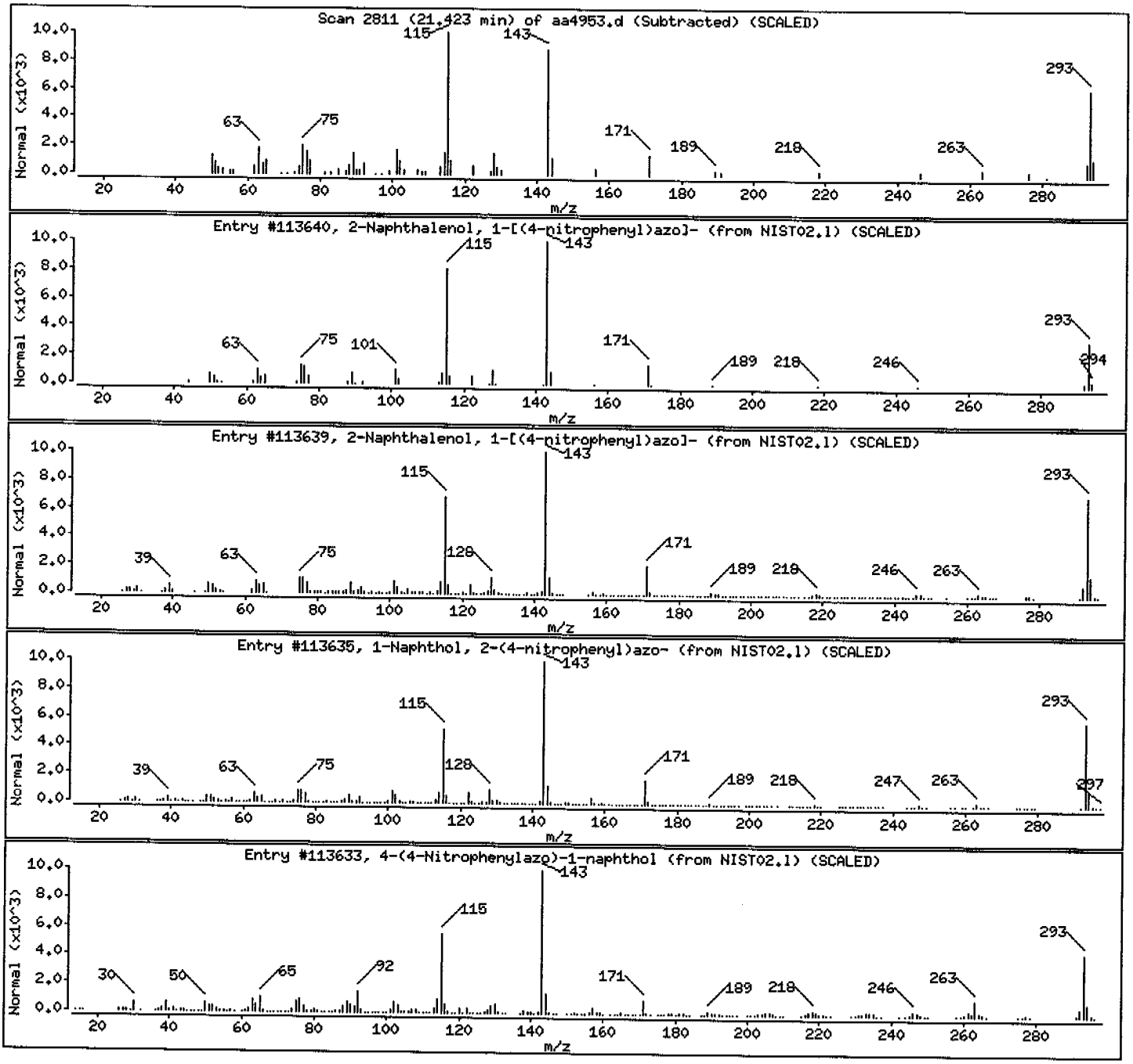
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Naphthalenol, 1-[(4-nitrophenyl)azo]-	6410-10-2	NIST02.l	113640	97	C16H11N3O3	293
2-Naphthalenol, 1-[(4-nitrophenyl)azo]-	6410-10-2	NIST02.l	113639	93	C16H11N3O3	293
1-Naphthol, 2-(4-nitrophenyl)azo-	607-27-2	NIST02.l	113635	90	C16H11N3O3	293
4-(4-Nitrophenylazo)-1-naphthol	5290-62-0	NIST02.l	113633	90	C16H11N3O3	293



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

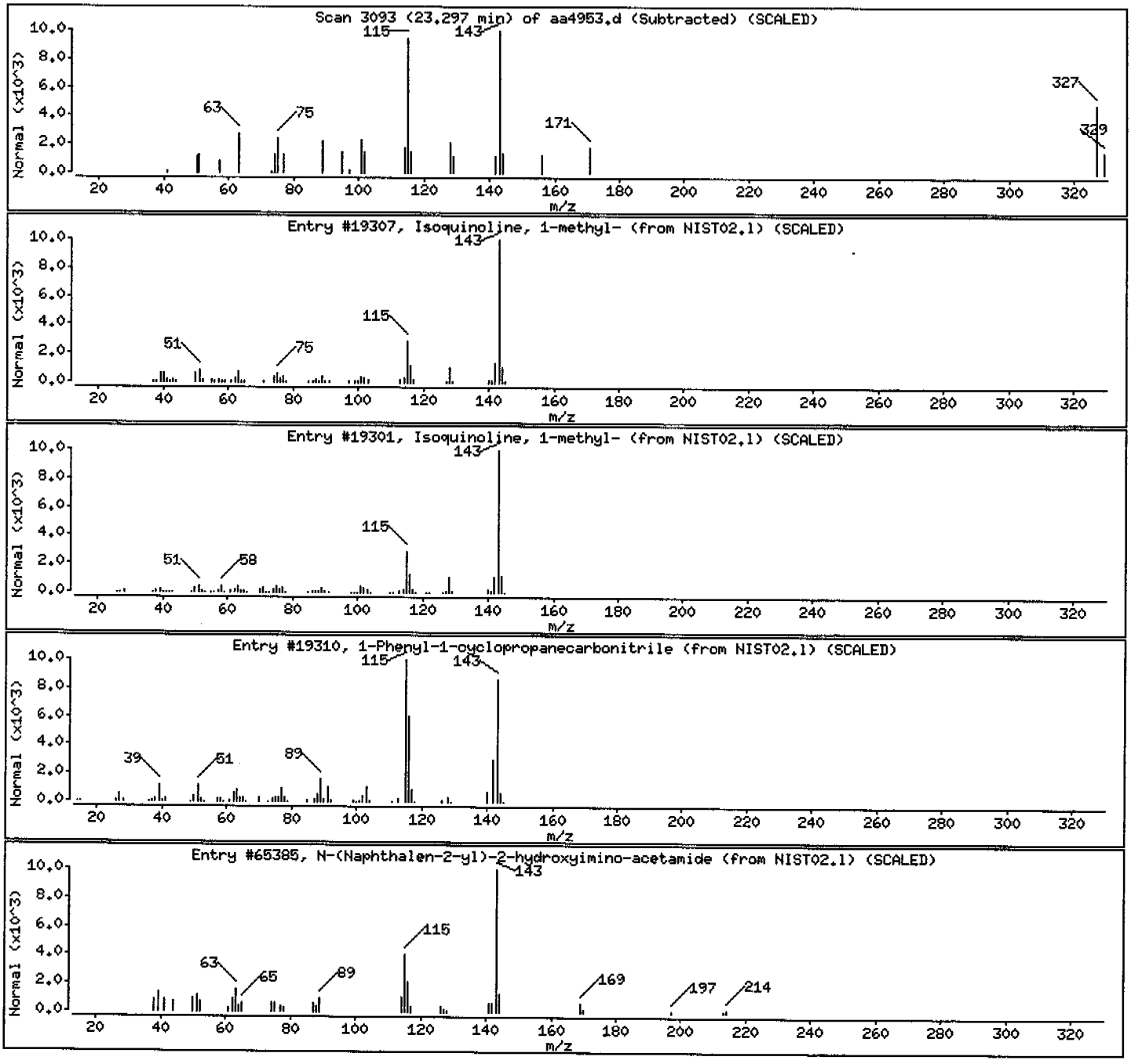
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Isoquinoline, 1-methyl-	1721-93-3	NIST02.l	19307	62	C10H9N	143
Isoquinoline, 1-methyl-	1721-93-3	NIST02.l	19301	52	C10H9N	143
1-Phenyl-1-cyclopropanecarbonitrile	935-44-4	NIST02.l	19310	47	C10H9N	143
N-(Naphthalen-2-yl)-2-hydroxyimino-aceta	5580-64-3	NIST02.l	65385	47	C12H10N2O2	214



Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4953.d

Date : 09-OCT-2006 21:59

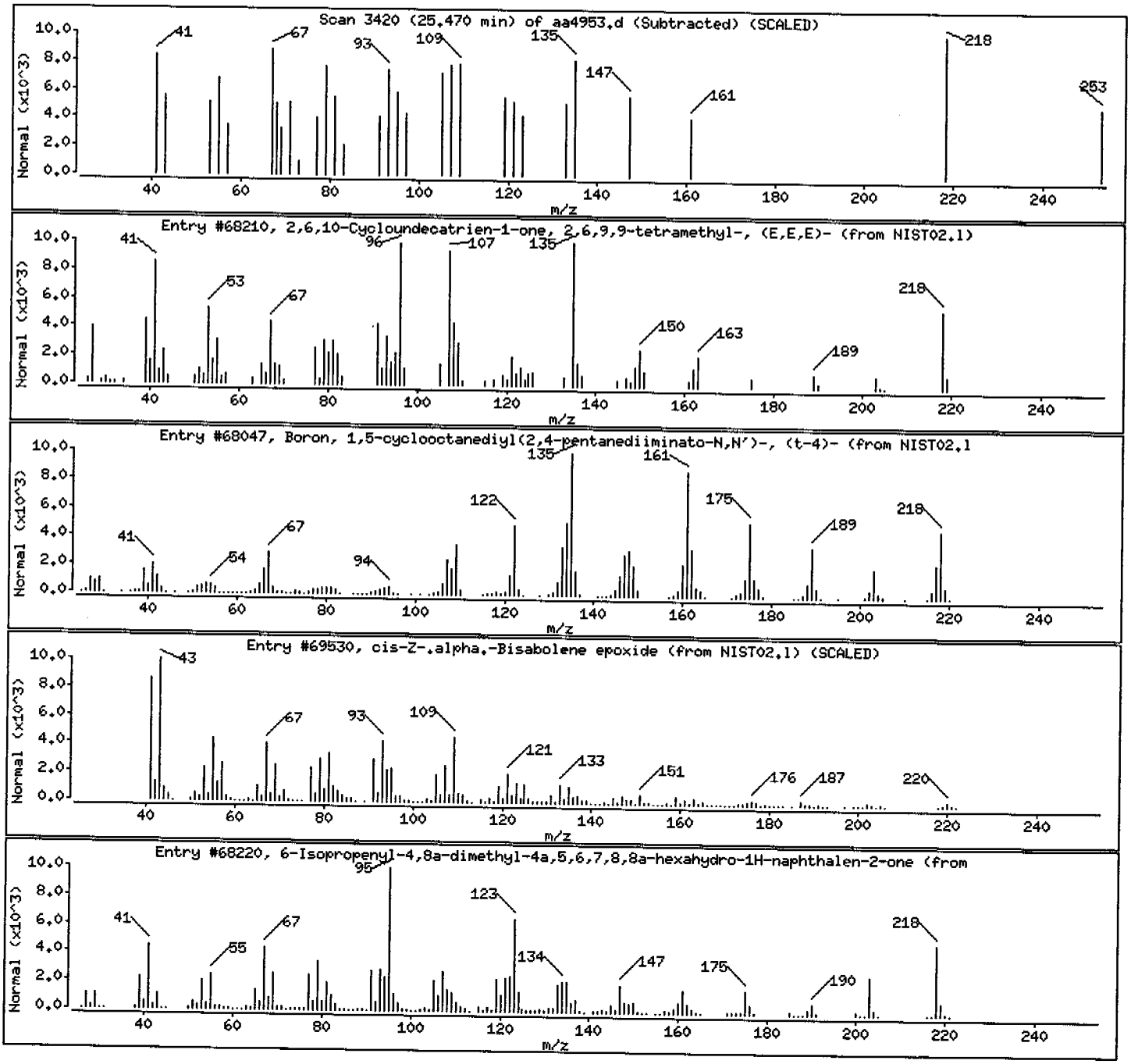
Client ID: B203-SS01 Instrument: BNAMS8.i

Sample Info: 775605;3285717

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,6,10-Cycloundecatrien-1-one, 2,6,9,9-t	471-05-6	NIST02.l	68210	47	C15H220	218
Boron, 1,5-cyclooctanediyl(2,4-pentanedi	136704-99-9	NIST02.l	68047	43	C13H23BN2	218
cis-Z-.alpha.-Bisabolene epoxide	1000131-71-2	NIST02.l	69530	38	C15H240	220
6-Isopropenyl-4,8a-dimethyl-4a,5,6,7,8,8	86917-79-5	NIST02.l	68220	38	C15H220	218



Client ID: **B203-SS02**
Site: Sun Chemical SI

Lab Sample No: **775606**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4944.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	76
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	760
Dimethylphthalate	ND	380
Acenaphthylene	ND	380
2,6-Dinitrotoluene	ND	76
3-Nitroaniline	ND	760
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	760
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	25 J	380
Anthracene	ND	380

Client ID: **B203-SS02**
Site: Sun Chemical SI

Lab Sample No: **775606**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4944.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	ND	380
Pyrene	ND	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	760
Benzo(a)anthracene	ND	38
Chrysene	ND	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	ND	38
Benzo(k)fluoranthene	ND	38
Benzo(a)pyrene	ND	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B203-SS02**
Site: Sun Chemical SI

Lab Sample No: **775606**
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06
Date Extracted: 10/06/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4944.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 11.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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17.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4944.d
Report Date: 12-Oct-2006 11:19

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4944.d
Lab Smp Id: 775606 Client Smp ID: B203-SS02
Inj Date : 09-OCT-2006 16:13
Operator : BNAMS 4 Inst ID: BNAMS8.i
Smp Info : 775606;3285733
Misc Info : X967;SB279A;QA4674
Comment :
Method : /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 12:38 monica Quant Type: ISTD
Cal Date : 26-SEP-2006 23:38 Cal File: aa4692.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	11.90000	% Moisture

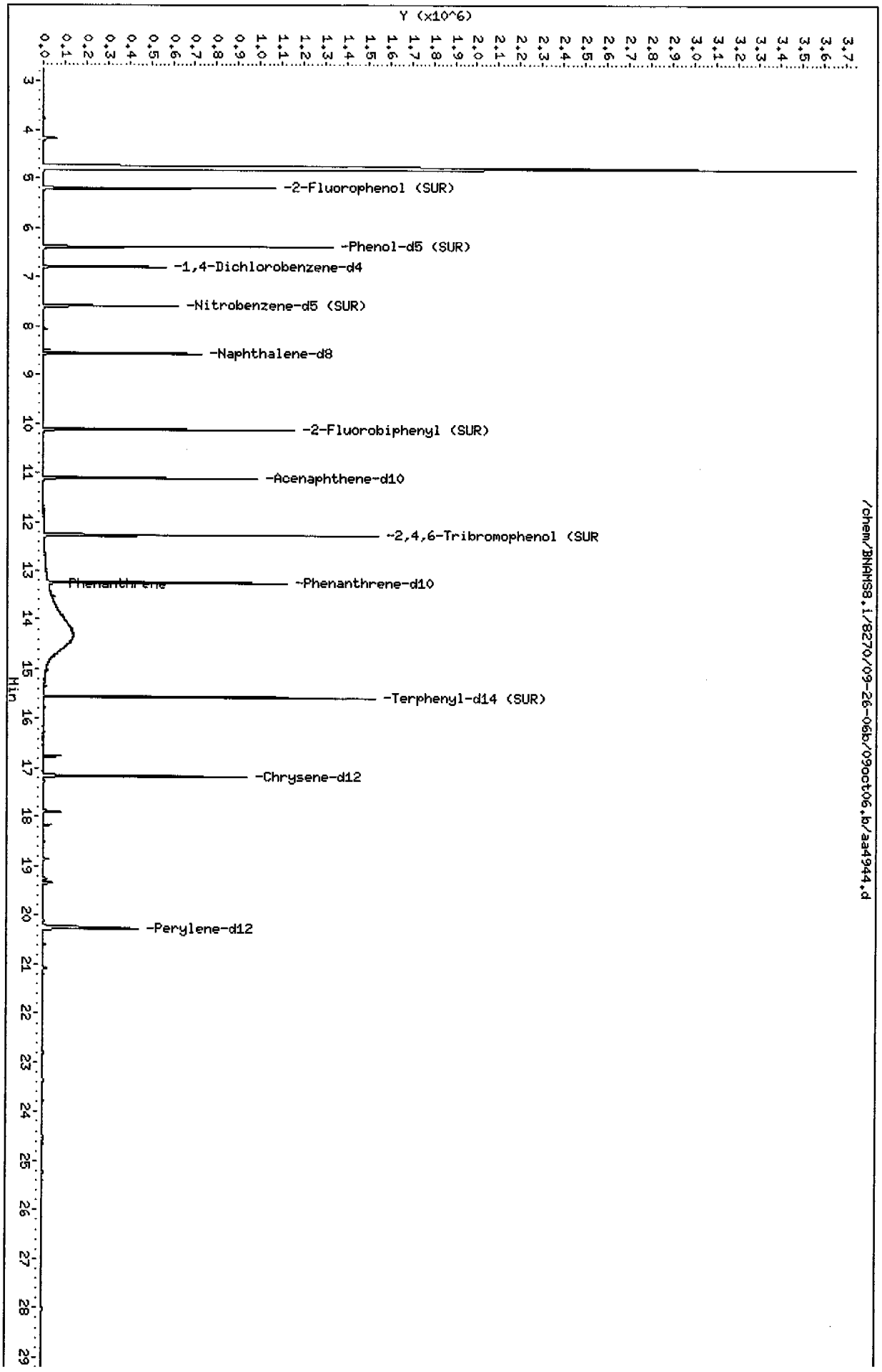
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.202	5.181	(0.766)	259067	117.160	8900
$ 17 Phenol-d5 (SUR)	99	6.385	6.377	(0.940)	434891	107.314	8100
* 79 1,4-Dichlorobenzene-d4	152	6.791	6.789	(1.000)	91409	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.588	7.593	(0.886)	239248	49.7483	3800
* 80 Naphthalene-d8	136	8.565	8.564	(1.000)	343579	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.120	10.119	(0.911)	398258	48.3806	3700
* 82 Acenaphthene-d10	164	11.111	11.109	(1.000)	280253	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.274	12.272	(1.105)	289476	97.2483	7400
* 83 Phenanthrene-d10	188	13.244	13.249	(1.000)	471379	40.0000	
52 Phenanthrene	178	13.271	13.283	(1.002)	4784	0.33131	25(a)
$ 78 Terphenyl-d14 (SUR)	244	15.557	15.549	(0.906)	584956	52.0878	3900
* 81 Chrysene-d12	240	17.166	17.177	(1.000)	593552	40.0000	
* 84 Perylene-d12	264	20.263	20.275	(1.000)	469853	40.0000	

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4944.d
Report Date: 12-Oct-2006 11:19

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4944.d
Date : 09-OCT-2006 16:13
Client ID: B203-SS02
Sample Info: 775606,3285733
Column phase: DB-5
Instrument: BNAMS8.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4944.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4944.d

Date : 09-OCT-2006 16:13

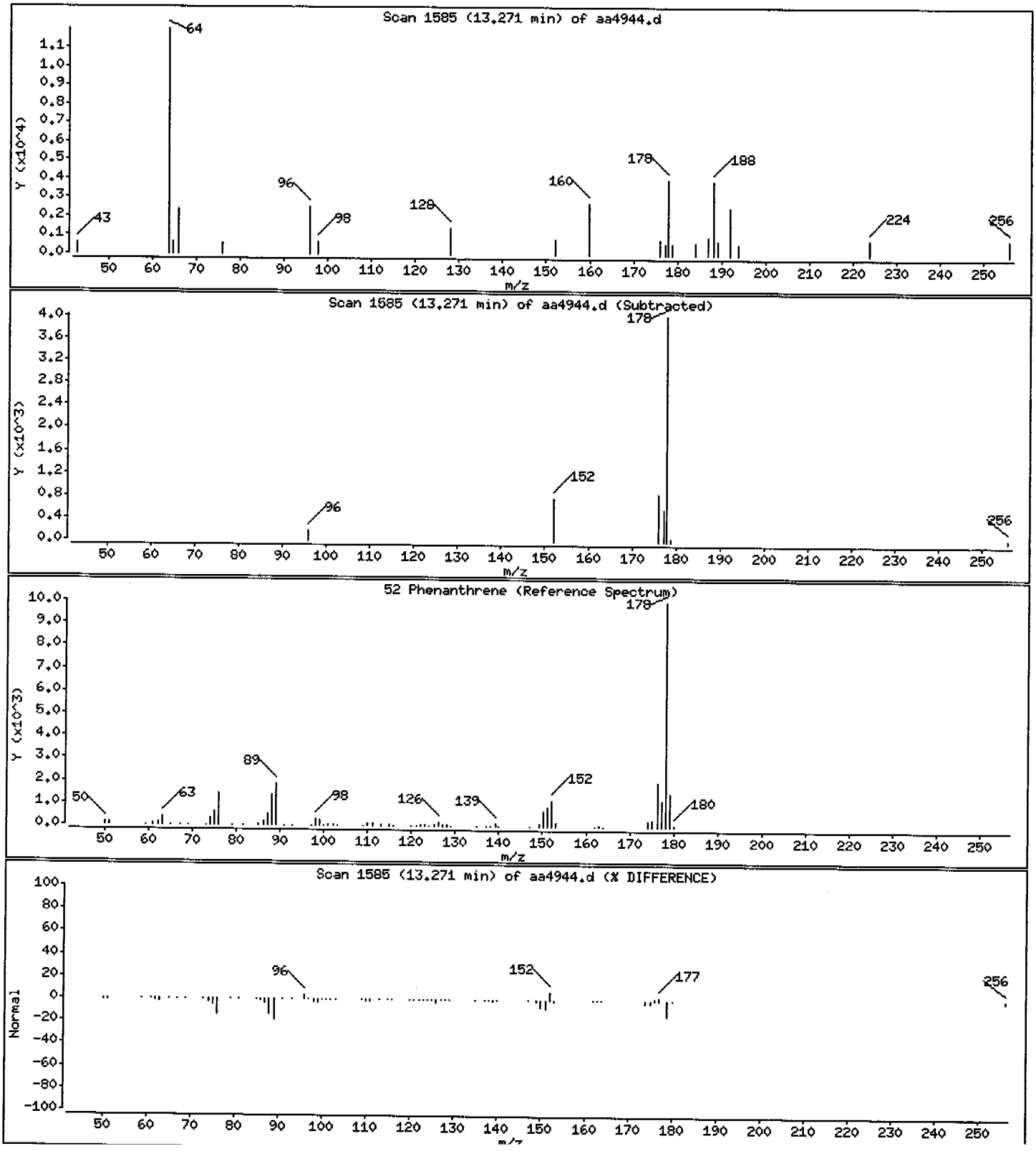
Client ID: B203-SS02 Instrument: BNAMS8.i

Sample Info: 775606;3285733

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 25 ug/Kg



Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: AA4689

DFTPP Injection Date: 09/26/06

Instrument ID: BNAMS8

DFTPP Injection Time: 2203

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	60.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	25.3
365	Greater than 1.0% of mass 198	3.73
441	0.0 - 100.0% of mass 443	12.8 (79.5)2
442	40.0 - 110.0% of mass 198	83.9
443	17.0 - 23.0% of mass 442	16.2 (19.3)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	AASTD050	AASTD050	AA4690	09/26/06	2221
02	AASTD120	AASTD120	AA4691	09/26/06	2259
03	AASTD005	AASTD005	AA4692	09/26/06	2338
04	AASTD080	AASTD080	AA4693	09/27/06	0016
05	AASTD020	AASTD020	AA4694	09/27/06	0055
06	AASTD010	AASTD010	AA4695	09/27/06	0133
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS8.i/8270/09-26-06b/26sep06b.b/aa4689.d

Date : 26-SEP-2006 22:03

Client ID:

Instrument: BNAMS8.i

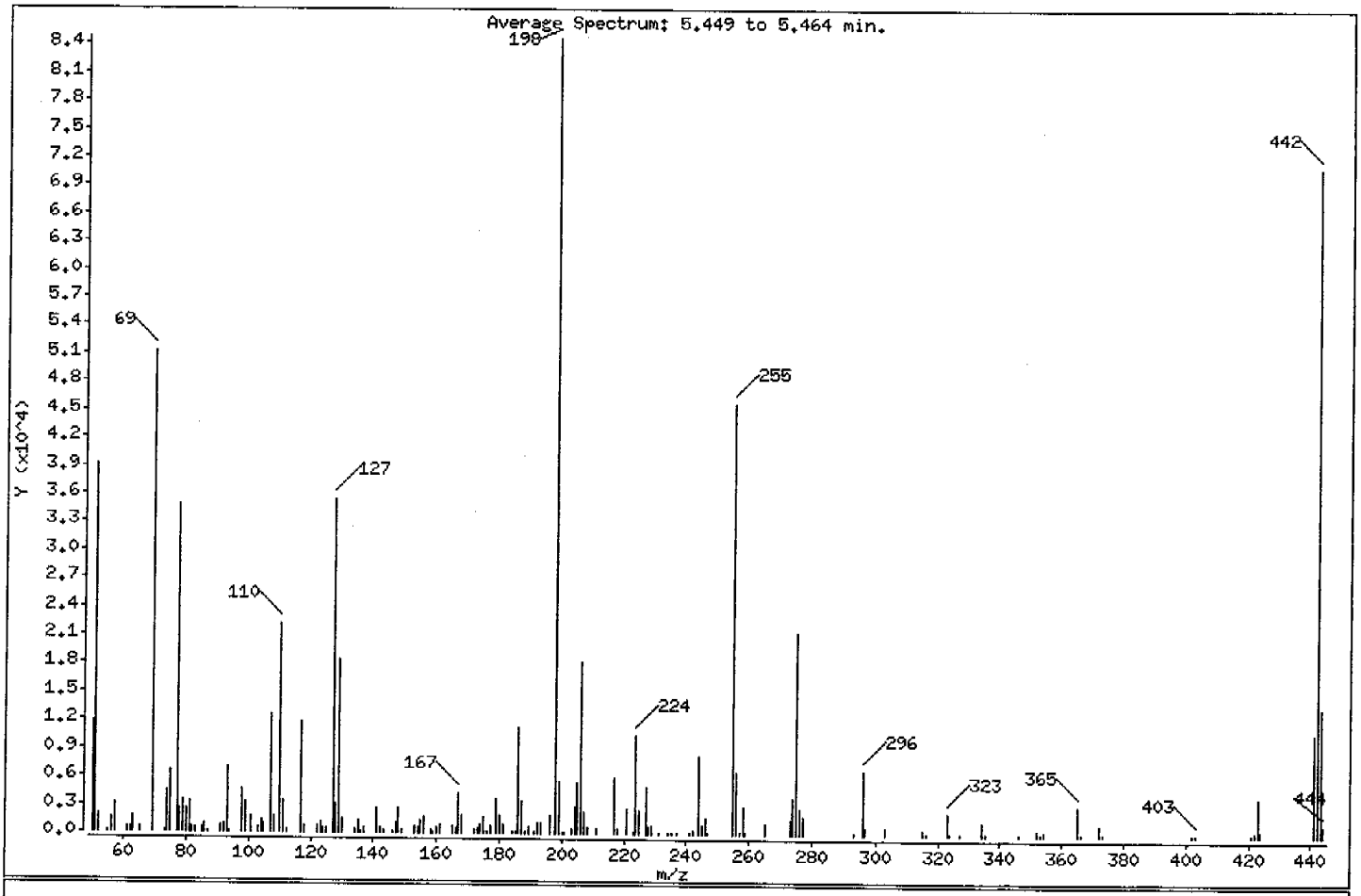
Sample Info: AADFTPP269b

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.26
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	60.54
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	41.76
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.76
275	10.00 - 30.00% of mass 198	25.33
365	Greater than 1.00% of mass 198	3.73
441	0.01 - 100.00% of mass 443	12.84 (79.48)
442	40.00 - 110.00% of mass 198	83.91
443	17.00 - 23.00% of mass 442	16.16 (19.25)

Data File: /chem/BNAMS8.i/8270/09-26-06b/26sep06b.b/aa4689.d

Date : 26-SEP-2006 22:03

Client ID:

Instrument: BNAMS8.i

Sample Info: AADFTPP269b

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: aa4689.d

Spectrum: Average Spectrum: 5.449 to 5.464 min.

Location of Maximum: 198.00

Number of points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	11808	122.00	792	185.00	211	257.00	257
51.00	39144	123.00	1095	186.00	11261	258.00	2908
52.00	1943	124.00	554	187.00	3430	259.00	228
55.00	203	125.00	526	188.00	220	265.00	1230
56.00	1465	127.00	35344	189.00	751	273.00	1560
57.00	3066	128.00	3131	191.00	250	274.00	3979
61.00	640	129.00	18496	192.00	1082	275.00	21440
62.00	582	130.00	1621	193.00	1085	276.00	2778
63.00	1772	134.00	451	196.00	1912	277.00	1999
65.00	656	135.00	1323	198.00	84632	293.00	234
69.00	51232	136.00	252	199.00	5720	296.00	6837
73.00	198	137.00	566	200.00	230	297.00	851
74.00	4429	141.00	2630	201.00	173	303.00	817
75.00	6650	142.00	677	203.00	604	315.00	600
77.00	34864	143.00	414	204.00	2970	316.00	177
78.00	2519	146.00	219	205.00	5352	323.00	2294
79.00	3575	147.00	1211	206.00	18296	324.00	193
80.00	2503	148.00	2769	207.00	2376	327.00	268
81.00	3363	149.00	479	208.00	721	334.00	1381
82.00	612	153.00	776	211.00	653	335.00	204
83.00	548	154.00	519	217.00	6126	346.00	240
85.00	593	155.00	1313	218.00	661	352.00	544
86.00	885	156.00	1825	221.00	2761	353.00	202
87.00	208	158.00	387	223.00	170	354.00	307
91.00	814	159.00	177	224.00	10458	365.00	3153
92.00	905	160.00	680	225.00	2478	366.00	209
93.00	7062	161.00	949	227.00	5103	372.00	1165
94.00	178	165.00	875	228.00	695	373.00	178
98.00	4753	166.00	642	229.00	1051	402.00	275
99.00	3396	167.00	4306	231.00	217	403.00	279
101.00	1792	168.00	1902	234.00	179	421.00	247
103.00	667	172.00	414	235.00	197	422.00	293
104.00	1371	173.00	494	237.00	234	423.00	4009
105.00	1061	174.00	892	241.00	197	424.00	668
107.00	12697	175.00	1774	242.00	478	441.00	10868

Data File: /chem/BNAMS8.i/8270/09-26-06b/26sep06b.b/aa4689.d

Date : 26-SEP-2006 22:03

Client ID:

Instrument: BNAMS8.i

Sample Info: AADFTPP269b

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: aa4689.d

Spectrum: Average Spectrum: 5.449 to 5.464 min.

Location of Maximum: 198.00

Number of points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	1833	176.00	246	244.00	8327	442.00	71016
110.00	22168	177.00	768	245.00	992	443.00	13674
111.00	3424	179.00	3781	246.00	1804	444.00	1203
112.00	399	180.00	2033	247.00	199		
117.00	11788	181.00	902	255.00	45744		
118.00	748	184.00	215	256.00	6521		

Data File: /chem/BNAMS8.i/8270/09-26-06b/26sep06b.b/aa4689.d

Date : 26-SEP-2006 22:03

Client ID:

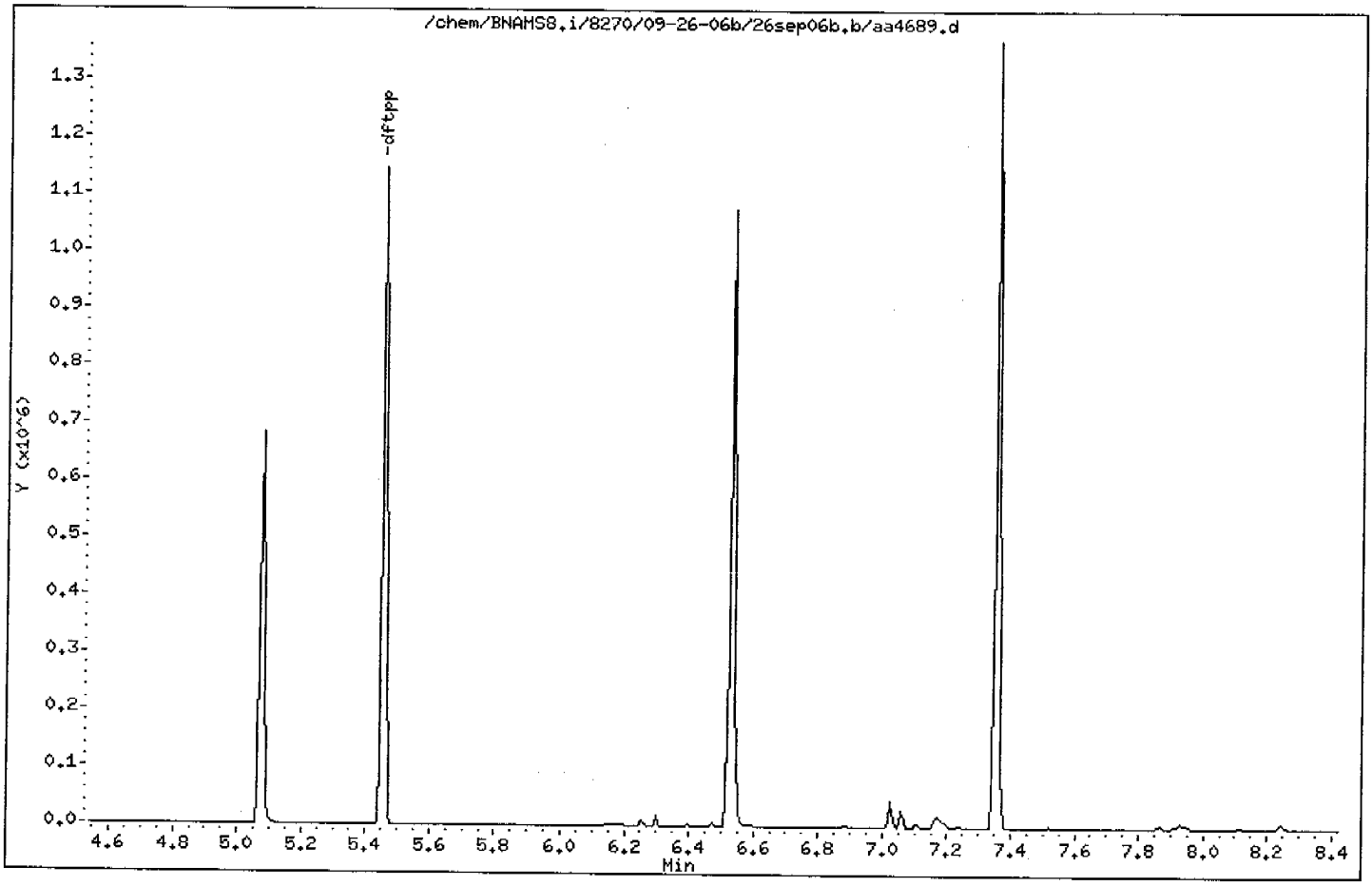
Instrument: BNAMS8.i

Sample Info: AADFTPP269b

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: AA4916

DFTPP Injection Date: 10/08/06

Instrument ID: BNAMS8

DFTPP Injection Time: 2151

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	63.2
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	40.0 - 60.0% of mass 198	41.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	25.0
365	Greater than 1.0% of mass 198	3.91
441	0.0 - 100.0% of mass 443	11.7 (82.6)2
442	40.0 - 110.0% of mass 198	74.1
443	17.0 - 23.0% of mass 442	14.1 (19.1)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	AASTD281	AASTD281	AA4917	10/08/06	2208
02	SB279A	SB279A	AA4919	10/08/06	2330
03	B604-SS01	775584	AA4920	10/09/06	0009
04	B604-SS02	775585	AA4921	10/09/06	0047
05	B604-SS03	775586	AA4922	10/09/06	0125
06	B203-SS01R1	775605R1	AA4935	10/09/06	0948
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17					
18					

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4916.d

Date : 08-OCT-2006 21:51

Client ID:

Instrument: BNAMS8.i

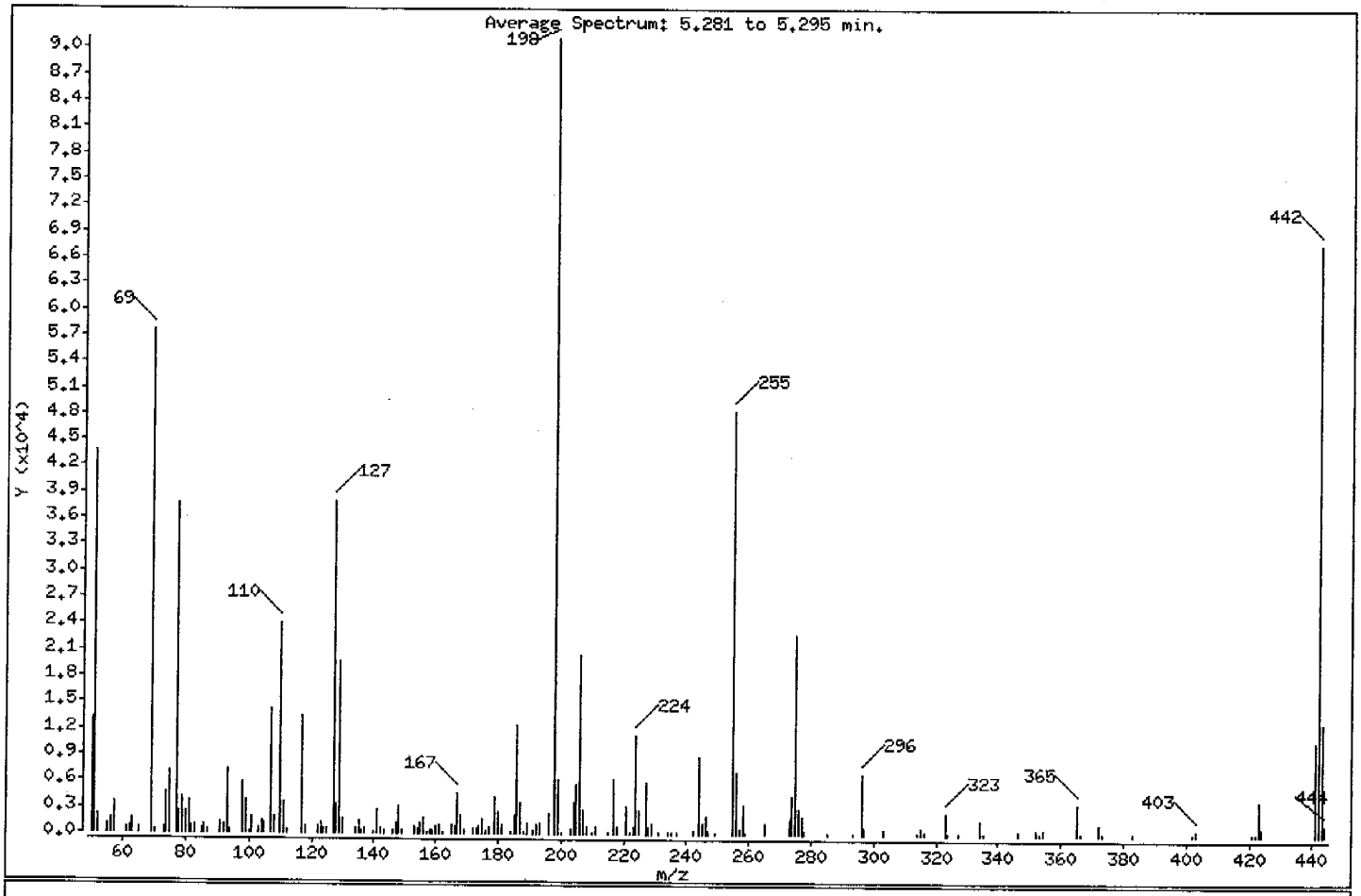
Sample Info: AADFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	48.16
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	63.17
70	Less than 2.00% of mass 69	0.43 (0.68)
127	40.00 - 60.00% of mass 198	41.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 30.00% of mass 198	24.98
365	Greater than 1.00% of mass 198	3.91
441	0.01 - 100.00% of mass 443	11.67 (82.58)
442	40.00 - 110.00% of mass 198	74.14
443	17.00 - 23.00% of mass 442	14.13 (19.06)

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4916.d

Date : 08-OCT-2006 21:51

Client ID:

Instrument: BNAMS8.i

Sample Info: AADFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: aa4916.d

Spectrum: Average Spectrum: 5.281 to 5.295 min.

Location of Maximum: 198.00

Number of points: 173

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	13221	123.00	1337	185.00	2003	258.00	3341
51.00	43880	124.00	722	186.00	12292	259.00	301
52.00	2118	125.00	548	187.00	3517	265.00	1205
55.00	1055	127.00	37960	188.00	189	273.00	1653
56.00	1614	128.00	3326	189.00	1159	274.00	4438
57.00	3553	129.00	19656	191.00	487	275.00	22760
61.00	638	130.00	1629	192.00	967	276.00	2924
62.00	760	134.00	586	193.00	1249	277.00	2038
63.00	1589	135.00	1445	196.00	2225	278.00	362
65.00	692	136.00	469	198.00	91120	285.00	180
69.00	57560	137.00	592	199.00	6196	293.00	257
70.00	394	140.00	175	200.00	236	296.00	6932
73.00	664	141.00	2741	203.00	716	297.00	823
74.00	4691	142.00	689	204.00	3518	303.00	669
75.00	7180	143.00	500	205.00	5596	314.00	195
77.00	37680	146.00	417	206.00	20584	315.00	869
78.00	2483	147.00	1215	207.00	2818	316.00	377
79.00	4159	148.00	3045	208.00	809	323.00	2418
80.00	2570	149.00	521	210.00	270	324.00	279
81.00	3771	153.00	738	211.00	743	327.00	277
82.00	874	154.00	547	215.00	187	334.00	1597
83.00	945	155.00	1327	217.00	6377	335.00	230
85.00	628	156.00	1842	218.00	748	346.00	333
86.00	1137	157.00	167	221.00	3070	352.00	529
87.00	402	158.00	476	222.00	290	353.00	249
91.00	1293	159.00	410	223.00	755	354.00	615
92.00	1020	160.00	896	224.00	11335	365.00	3559
93.00	7428	161.00	1067	225.00	2723	366.00	276
94.00	397	162.00	168	227.00	5872	372.00	1235
98.00	5857	165.00	985	228.00	830	373.00	181
99.00	3759	166.00	817	229.00	1254	383.00	201
100.00	168	167.00	4637	231.00	249	402.00	238
101.00	1942	168.00	1997	234.00	293	403.00	590
103.00	683	169.00	396	235.00	181	421.00	265
104.00	1467	172.00	558	237.00	167	422.00	223

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4916.d

Date : 08-OCT-2006 21:51

Client ID:

Instrument: BNAMS8.i

Sample Info: AADFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: aa4916.d

Spectrum: Average Spectrum: 5.281 to 5.295 min.

Location of Maximum: 198.00

Number of points: 173

m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	1237	173.00	621	242.00	468	423.00	3958
107.00	14294	174.00	916	244.00	8812	424.00	795
108.00	1876	175.00	1708	245.00	1209	441.00	10632
110.00	24072	176.00	475	246.00	2049	442.00	67560
111.00	3630	177.00	852	247.00	417	443.00	12875
112.00	435	179.00	4236	249.00	194	444.00	1218
117.00	13323	180.00	2599	255.00	48448		
118.00	872	181.00	1128	256.00	7068		
122.00	899	184.00	178	257.00	530		

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4916.d

Date : 08-OCT-2006 21:51

Client ID:

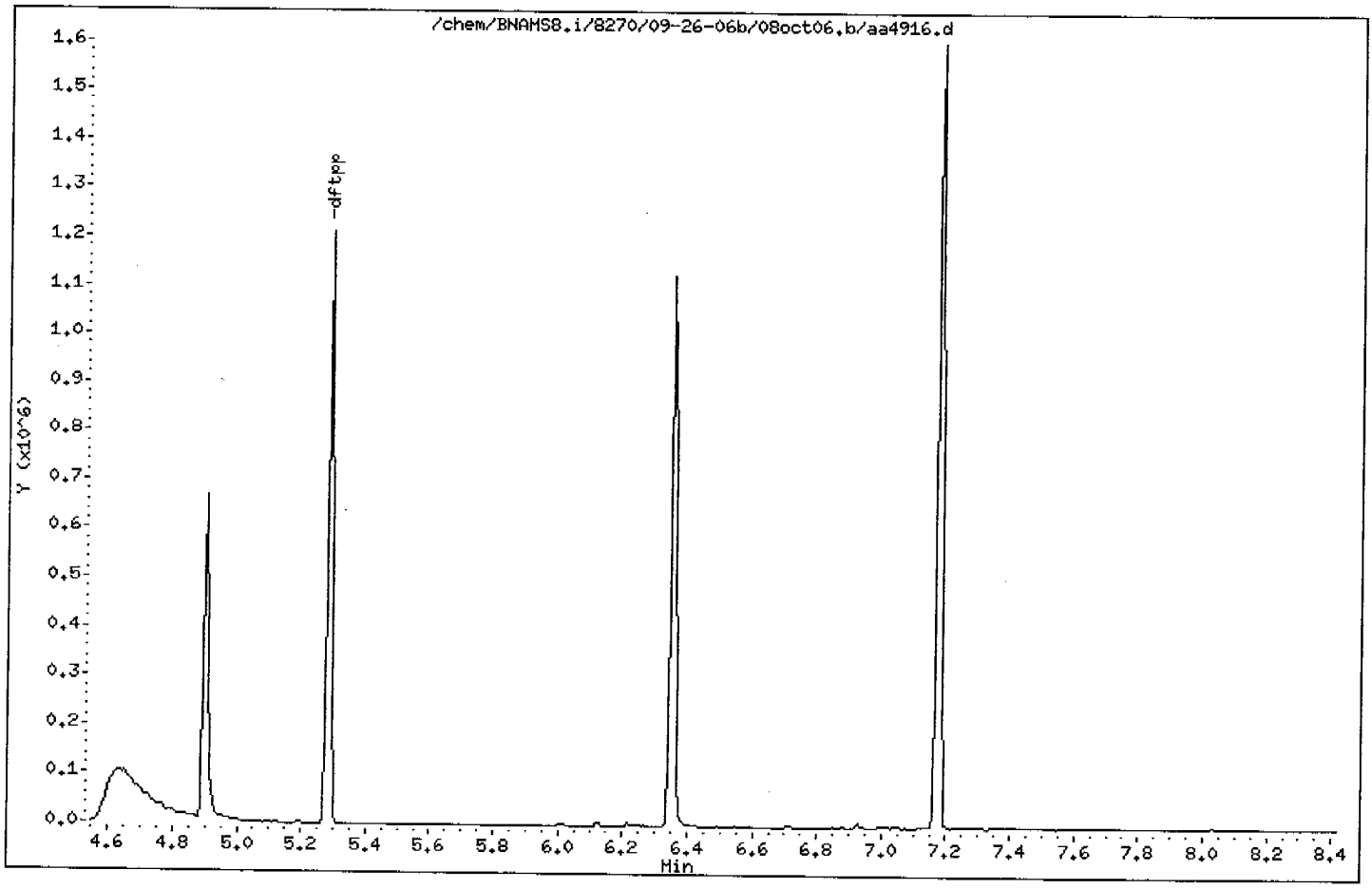
Instrument: BNAMS8.i

Sample Info: AADFTPP281

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: AA4937

DFTPP Injection Date: 10/09/06

Instrument ID: BNAMS8

DFTPP Injection Time: 1142

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	61.8
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	41.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	25.8
365	Greater than 1.0% of mass 198	3.86
441	0.0 - 100.0% of mass 443	12.1 (81.8)2
442	40.0 - 110.0% of mass 198	75.2
443	17.0 - 23.0% of mass 442	14.7 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	AASTD282	AASTD282	AA4938	10/09/06	1159
02	B203-SS02	775606	AA4944	10/09/06	1613
03	B203-SS01	775605	AA4953	10/09/06	2159
04					
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18					

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4937.d

Date : 09-OCT-2006 11:42

Client ID:

Instrument: BNAMS8.i

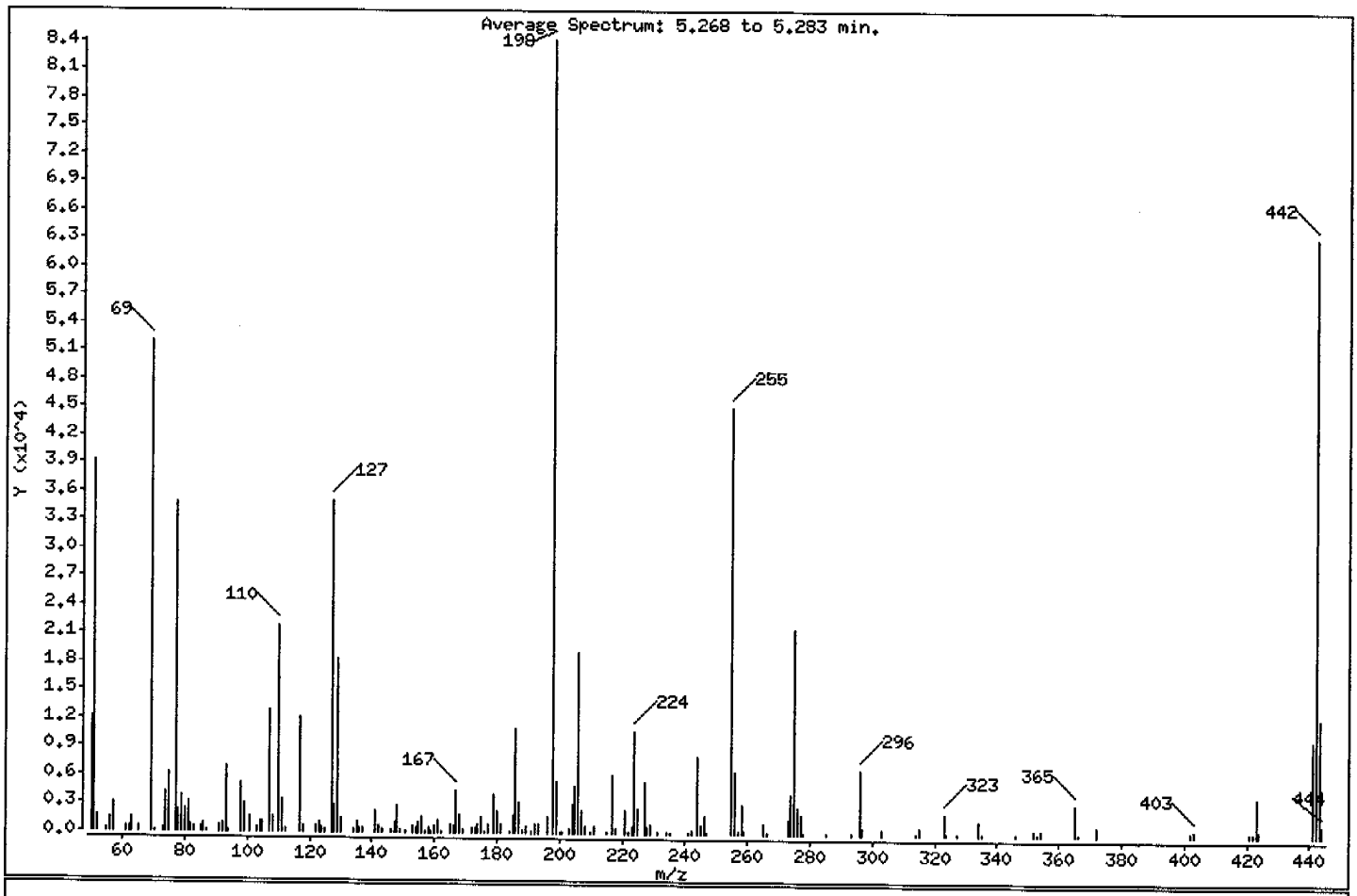
Sample Info: AADFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	61.84
70	Less than 2.00% of mass 69	0.20 (0.33)
127	40.00 - 60.00% of mass 198	41.62
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.55
275	10.00 - 30.00% of mass 198	25.81
365	Greater than 1.00% of mass 198	3.86
441	0.01 - 100.00% of mass 443	12.06 (81.82)
442	40.00 - 110.00% of mass 198	75.16
443	17.00 - 23.00% of mass 442	14.74 (19.61)

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4937.d

Date : 09-OCT-2006 11:42

Client ID:

Instrument: BNAMS8.i

Sample Info: AADFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: aa4937.d

Spectrum: Average Spectrum: 5.268 to 5.283 min.

Location of Maximum: 198.00

Number of points: 170

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	12250	123.00	1151	184.00	204	256.00	6555
51.00	39264	124.00	593	185.00	1914	257.00	453
52.00	1838	125.00	466	186.00	11054	258.00	3129
55.00	425	127.00	35040	187.00	3350	259.00	462
56.00	1466	128.00	2959	188.00	410	265.00	1204
57.00	3159	129.00	18328	189.00	831	266.00	178
61.00	600	130.00	1457	191.00	219	273.00	1571
62.00	605	134.00	433	192.00	1015	274.00	4236
63.00	1505	135.00	1093	193.00	896	275.00	21728
65.00	600	136.00	497	196.00	1813	276.00	2891
69.00	52064	137.00	571	198.00	84192	277.00	2089
70.00	171	141.00	2351	199.00	5511	278.00	171
73.00	453	142.00	735	200.00	260	285.00	174
74.00	4203	143.00	420	201.00	179	293.00	288
75.00	6203	146.00	475	203.00	636	296.00	6833
77.00	34904	147.00	1096	204.00	3097	297.00	699
78.00	2240	148.00	2946	205.00	5094	303.00	629
79.00	3793	149.00	440	206.00	19200	314.00	182
80.00	2458	151.00	206	207.00	2427	315.00	845
81.00	3315	153.00	764	208.00	760	323.00	2320
82.00	705	154.00	523	210.00	198	324.00	200
83.00	671	155.00	1138	211.00	790	327.00	192
85.00	599	156.00	1791	215.00	175	334.00	1465
86.00	886	157.00	188	217.00	6195	335.00	200
87.00	235	158.00	495	218.00	638	346.00	284
91.00	837	159.00	170	221.00	2515	352.00	598
92.00	873	160.00	694	222.00	239	353.00	285
93.00	6985	161.00	1277	223.00	737	354.00	630
94.00	170	162.00	189	224.00	10795	365.00	3246
98.00	5129	165.00	1053	225.00	2679	366.00	250
99.00	3118	166.00	799	227.00	5441	372.00	1033
101.00	1738	167.00	4475	228.00	706	402.00	305
103.00	602	168.00	1996	229.00	891	403.00	567
104.00	1204	169.00	409	231.00	198	421.00	418
105.00	1173	172.00	516	234.00	203	422.00	471

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4937.d

Date : 09-OCT-2006 11:42

Client ID:

Instrument: BNAMS8.i

Sample Info: AADFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: aa4937.d

Spectrum: Average Spectrum: 5.268 to 5.283 min.

Location of Maximum: 198.00

Number of points: 170

m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	12903	173.00	486	235.00	167	423.00	3968
108.00	1701	174.00	990	241.00	179	424.00	538
110.00	21800	175.00	1794	242.00	351	441.00	10155
111.00	3556	176.00	206	244.00	8130	442.00	63280
112.00	412	177.00	895	245.00	985	443.00	12411
117.00	12158	179.00	4106	246.00	1972	444.00	1207
118.00	688	180.00	2269	247.00	215		
122.00	864	181.00	999	255.00	45072		

Data File: /chem/BNAMS8.i/8270/09-26-06b/09oct06.b/aa4937.d

Date : 09-OCT-2006 11:42

Client ID:

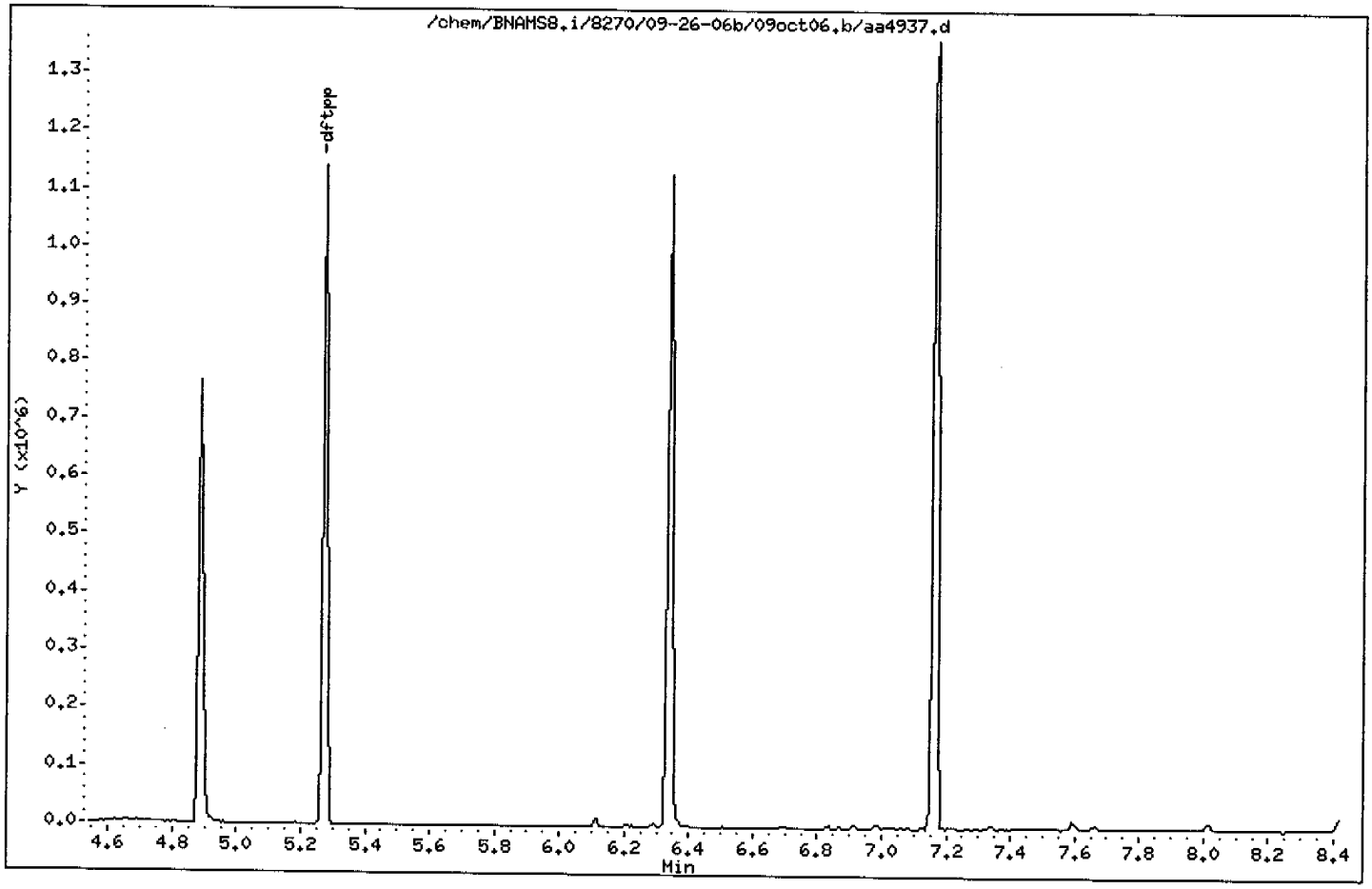
Instrument: BNAMS8.i

Sample Info: AADFTPP282

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



Method Blank Results Summary

SEMIVOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

SB279A

Matrix: SOIL

Level: LOW

Instrument ID: BNAMS8

Date Analyzed: 10/08/06

Time Analyzed: 2330

Lab File ID: AA4919

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	B604-SS01	775584	AA4920	10/09/06
02	B604-SS02	775585	AA4921	10/09/06
03	B604-SS03	775586	AA4922	10/09/06
04	B203-SS01R1	775605R1	AA4935	10/09/06
05	B203-SS02	775606	AA4944	10/09/06
06	B203-SS01	775605	AA4953	10/09/06
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COMMENTS:

Client ID: **SB279A**
Site:

Lab Sample No: **SB279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Extracted: 10/06/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4919.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Phenol	ND	330
2-Chlorophenol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2,4-Dinitrophenol	ND	1000
4-Nitrophenol	ND	1000
4,6-Dinitro-2-methylphenol	ND	1000
Pentachlorophenol	ND	1000
Benzoic Acid	ND	330
N-Nitrosodimethylamine	ND	330
bis(2-Chloroethyl)ether	ND	33
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-chloroisopropyl)ether	ND	330
N-Nitroso-di-n-propylamine	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	33
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	67
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670

Client ID: **SB279A**
Site:

Lab Sample No: **SB279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Extracted: 10/06/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4919.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	67
3-Nitroaniline	ND	670
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	67
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	670
N-Nitrosodiphenylamine	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	33
Phenanthrene	ND	330
Anthracene	ND	330
Carbazole	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzidine	ND	670
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	33
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	33
Benzo(k)fluoranthene	ND	33
Benzo(a)pyrene	ND	33
Indeno(1,2,3-cd)pyrene	ND	33
Dibenz(a,h)anthracene	ND	33
Benzo(g,h,i)perylene	ND	330
Pyridine	ND	330

Client ID: **SB279A**
Site:

Lab Sample No: **SB279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Extracted: 10/06/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4919.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aniline	ND	330
Benzyl Alcohol	ND	330
1,2-Diphenylhydrazine	ND	330
Diphenyl	ND	330
Diphenyl Ether	ND	330
Acetophenone	ND	330
1,4-Dioxane	ND	330
N,N-Dimethylaniline	ND	33
2,3,7,8-TCDD (Screen)	ND	33
Benzaldehyde	ND	330
Caprolactam	ND	330
Atrazine	ND	330
n-decane	ND	330
Coumarin	ND	330
n-Octadecane	ND	330
o-Tricresylphosphate	ND	330
Carbamazepine	ND	670
1-Methylnaphthalene	ND	670

Client ID: **SB279A**
Site:

Lab Sample No: **SB279A**
Lab Job No: X967

Date Sampled: _____
Date Received: _____
Date Extracted: 10/06/06
Date Analyzed: 10/08/06
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa4919.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Aldol Condensate	4.19	530	
2.	Unknown Aldol Condensate	4.82	58000	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 58530

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4919.d
Report Date: 09-Oct-2006 11:28

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

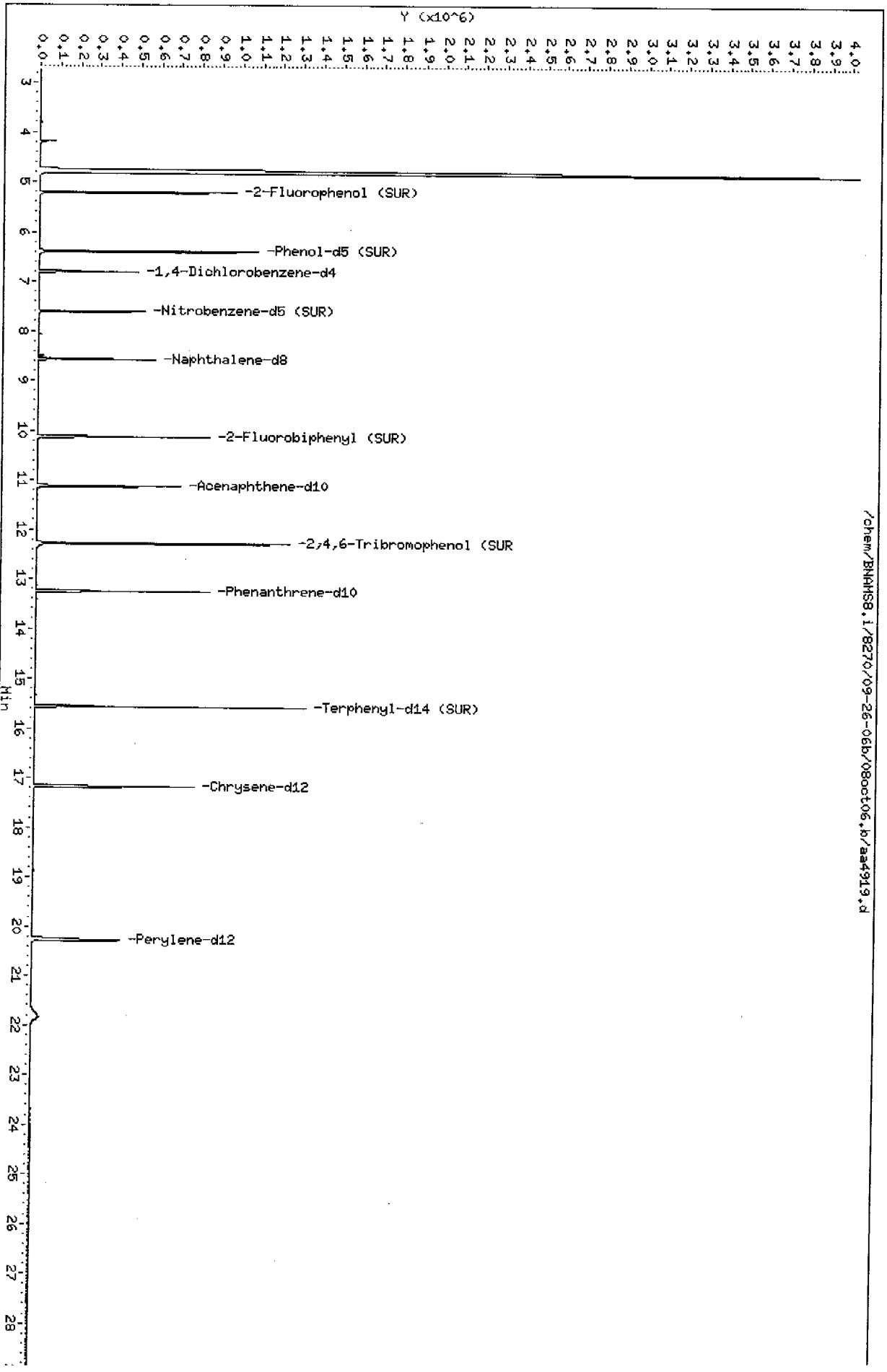
Data file : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4919.d
Lab Smp Id: SB279A Client Smp ID: SB279A
Inj Date : 08-OCT-2006 23:30
Operator : BNAMS 4 Inst ID: BNAMS8.i
Smp Info : SB279A;MB63710
Misc Info :
Comment :
Method : /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/8270C6-1.m
Meth Date : 09-Oct-2006 07:20 monica Quant Type: ISTD
Cal Date : 26-SEP-2006 23:38 Cal File: aa4692.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.206	5.194	(0.765)	210898	109.664	7300
$ 17 Phenol-d5 (SUR)	99	6.389	6.390	(0.939)	361568	102.587	6800
* 79 1,4-Dichlorobenzene-d4	152	6.801	6.803	(1.000)	79499	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.598	7.607	(0.886)	192183	49.3370	3300
* 80 Naphthalene-d8	136	8.575	8.577	(1.000)	278291	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.131	10.132	(0.911)	326896	48.7382	3200
* 82 Acenaphthene-d10	164	11.121	11.123	(1.000)	228348	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.284	12.286	(1.105)	239102	98.5839	6600
* 83 Phenanthrene-d10	188	13.254	13.256	(1.000)	378585	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.561	15.562	(0.906)	497218	54.8227	3600
* 81 Chrysene-d12	240	17.169	17.184	(1.000)	479356	40.0000	
* 84 Perylene-d12	264	20.273	20.295	(1.000)	457237	40.0000	


Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4919.d
Date : 08-OCT-2006 23:30
Client ID: SB279A
Sample Info: SB279A;MB63710
Instrument: BNAMS8.i
Operator: BNAMS 4
Column diameter: 0.25
Column phase: DB-5
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4919.d

Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4919.d

Date : 08-OCT-2006 23:30

Client ID: SB279A

Instrument: BNAMS8.i

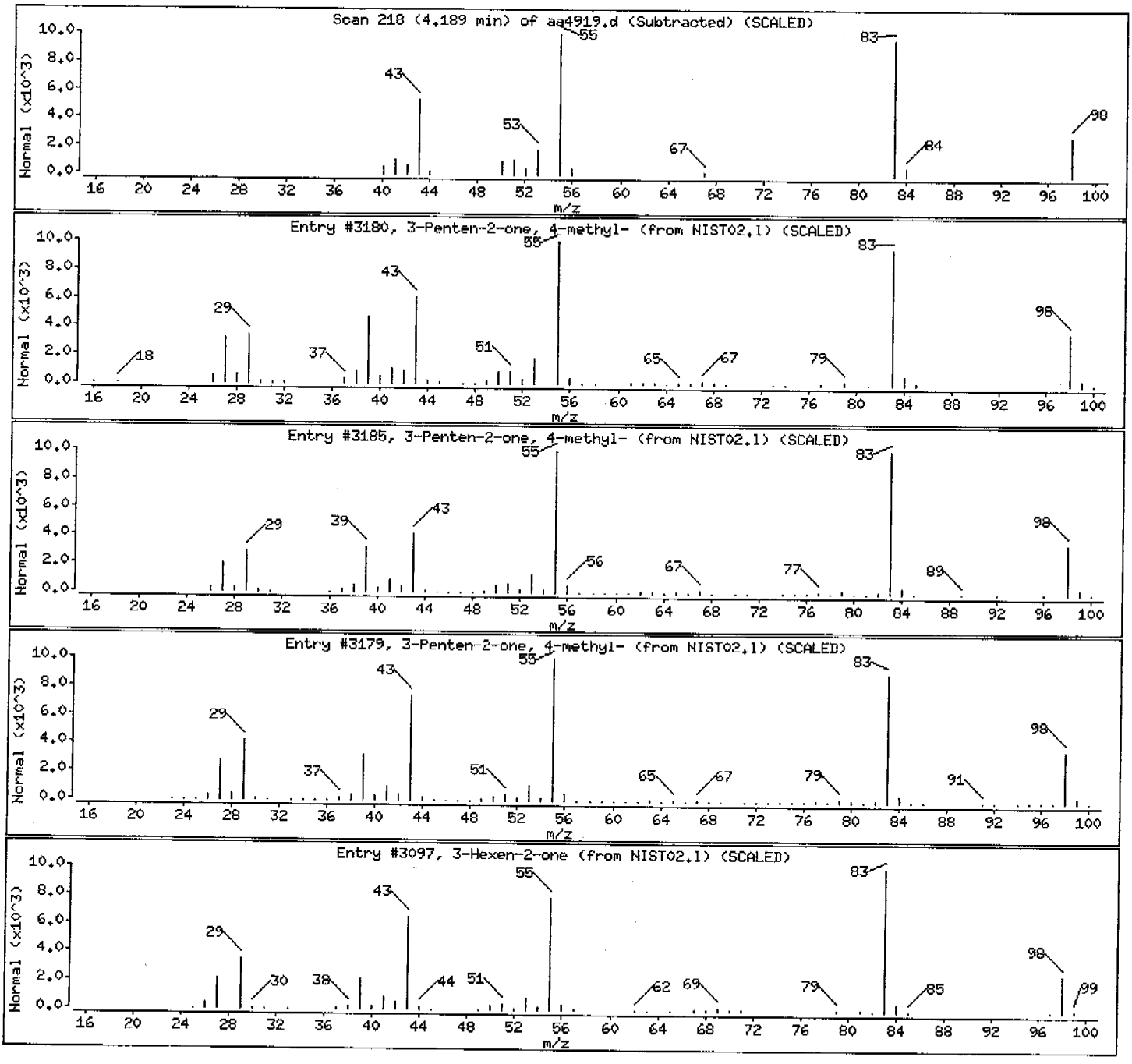
Sample Info: SB279A;MB63710

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
3-Penten-2-one, 4-methyl-	141-79-7	NIST02.1	3180	91	C6H10O	98
3-Penten-2-one, 4-methyl-	141-79-7	NIST02.1	3185	83	C6H10O	98
3-Penten-2-one, 4-methyl-	141-79-7	NIST02.1	3179	80	C6H10O	98
3-Hexen-2-one	763-93-9	NIST02.1	3097	72	C6H10O	98



Data File: /chem/BNAMS8.i/8270/09-26-06b/08oct06.b/aa4919.d

Date : 08-OCT-2006 23:30

Client ID: SB279A

Instrument: BNAMS8.i

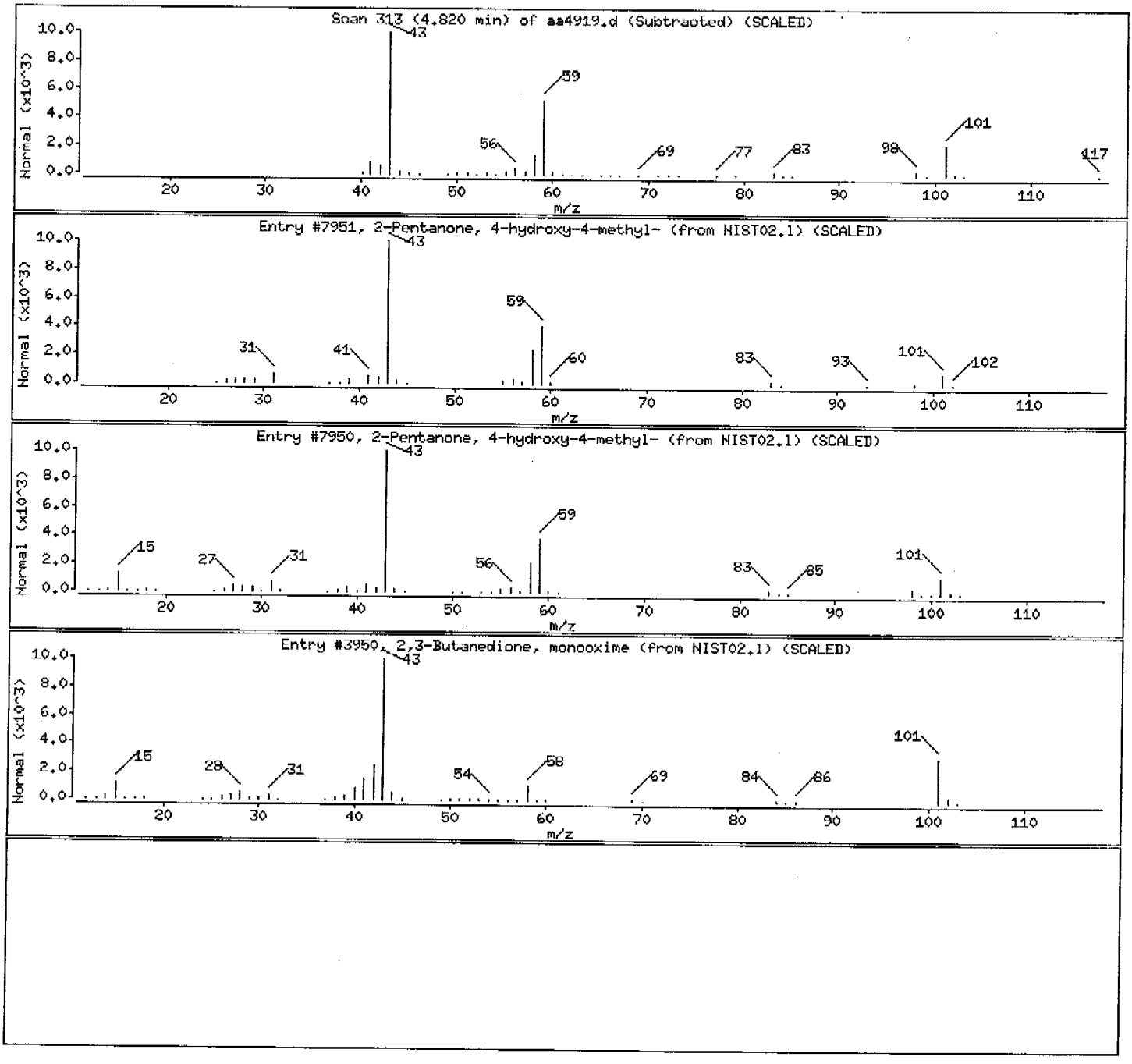
Sample Info: SB279A;MB63710

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.l	7951	56	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.l	7950	28	C6H12O2	116
2,3-Butanedione, monooxime	57-71-6	NIST02.l	3950	25	C4H7NO2	101



Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

LAB FILE ID: RRF5: AA4692 RRF20: AA4694 RRF50: AA4690
RRF80: AA4693 RRF120: AA4691

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	1.693	1.812	1.832	1.973	2.085
2-Chlorophenol	1.174	1.169	1.233	1.277	1.372
2-Methylphenol	1.106	1.094	1.106	1.131	1.263
4-Methylphenol	1.172	1.181	1.253	1.391	1.588
2-Nitrophenol	0.234	0.229	0.236	0.238	0.239
2,4-Dimethylphenol	0.262	0.278	0.290	0.303	0.312
2,4-Dichlorophenol	0.368	0.395	0.402	0.428	0.441
4-Chloro-3-methylphenol	0.445	0.445	0.431	0.392	0.395
2,4,6-Trichlorophenol	0.336	0.371	0.355	0.375	0.390
2,4,5-Trichlorophenol	0.365	0.391	0.406	0.435	0.456
2,4-Dinitrophenol	0.141	0.179	0.190	0.210	0.216
4-Nitrophenol	0.370	0.393	0.379	0.371	0.354
4,6-Dinitro-2-methylphenol	0.144	0.169	0.178	0.210	0.225
Pentachlorophenol	0.154	0.178	0.214	0.230	0.238
Benzoic Acid	0.029	0.082	0.158	0.157	0.165
N-Nitrosodimethylamine	0.631	0.728	0.739	0.738	0.767
bis(2-Chloroethyl)ether	1.956	1.679	1.574	1.575	1.599
1,3-Dichlorobenzene	1.470	1.579	1.522	1.571	1.590
1,4-Dichlorobenzene	1.517	1.643	1.590	1.615	1.668
1,2-Dichlorobenzene	1.458	1.599	1.531	1.557	1.598
bis(2-chloroisopropyl)ether	2.529	2.477	2.347	2.228	2.287
N-Nitroso-di-n-propylamine	1.439	1.391	1.351	1.335	1.318
Hexachloroethane	0.553	0.746	0.727	0.726	0.736
Nitrobenzene	0.702	0.778	0.770	0.738	0.728
Isophorone	1.064	1.053	1.011	1.009	0.995
bis(2-Chloroethoxy)methane	0.573	0.621	0.593	0.592	0.587
1,2,4-Trichlorobenzene	0.356	0.420	0.412	0.438	0.436
Naphthalene	0.914	0.982	0.949	0.989	1.039
4-Chloroaniline	0.411	0.433	0.426	0.453	0.434
Hexachlorobutadiene	0.271	0.286	0.282	0.284	0.280
2-Methylnaphthalene	0.730	0.774	0.793	0.810	0.839
Hexachlorocyclopentadiene	0.142	0.182	0.267	0.267	0.301
2-Chloronaphthalene	0.980	1.063	1.045	1.077	1.112
2-Nitroaniline	0.466	0.514	0.475	0.457	0.438
Dimethylphthalate	1.548	1.560	1.473	1.495	1.508
Acenaphthylene	1.602	1.670	1.582	1.698	1.717
2,6-Dinitrotoluene	0.338	0.389	0.377	0.389	0.392
3-Nitroaniline	0.312	0.330	0.309	0.322	0.331
Acenaphthene	0.975	1.025	0.986	1.034	1.039

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8

Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

LAB FILE ID: RRF5: AA4692 RRF20: AA4694 RRF50: AA4690
RRF80: AA4693 RRF120: AA4691

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.567	1.669	1.594	1.648	1.698
2,4-Dinitrotoluene	0.553	0.574	0.524	0.522	0.516
Diethylphthalate	1.661	1.836	1.673	1.578	1.599
4-Chlorophenyl-phenylether	0.595	0.632	0.617	0.620	0.653
Fluorene	1.281	1.384	1.341	1.337	1.433
4-Nitroaniline	0.327	0.346	0.309	0.319	0.312
N-Nitrosodiphenylamine	0.543	0.563	0.617	0.670	0.689
4-Bromophenyl-phenylether	0.258	0.290	0.288	0.288	0.297
Hexachlorobenzene	0.376	0.426	0.424	0.408	0.400
Phenanthrene	1.119	1.180	1.220	1.323	1.367
Anthracene	1.133	1.204	1.213	1.313	1.372
Carbazole	1.093	1.170	1.177	1.253	1.274
Di-n-butylphthalate	1.796	1.822	1.847	1.850	1.853
Fluoranthene	1.174	1.260	1.311	1.336	1.402
Pyrene	0.890	0.987	0.971	0.994	1.034
Benzidine	0.394	0.341	0.309	0.264	0.215
Butylbenzylphthalate	0.643	0.669	0.641	0.632	0.619
3,3'-Dichlorobenzidine	0.438	0.444	0.464	0.416	0.348
Benzo(a)anthracene	1.065	1.076	1.070	1.069	1.011
Chrysene	0.903	0.964	0.968	0.954	0.952
bis(2-Ethylhexyl)phthalate	0.908	0.962	0.971	0.928	0.797
Di-n-octylphthalate	1.640	1.726	1.727	1.724	1.747
Benzo(b)fluoranthene	1.168	1.269	1.367	1.558	1.750
Benzo(k)fluoranthene	1.139	1.325	1.232	1.079	0.852
Benzo(a)pyrene	0.950	1.165	1.125	1.146	1.134
Indeno(1,2,3-cd)pyrene	1.301	1.514	1.492	1.484	1.437
Dibenz(a,h)anthracene	1.055	1.317	1.305	1.295	1.260
Benzo(g,h,i)perylene	1.164	1.281	1.293	1.262	1.200
Pyridine	0.953	1.181	1.193	1.239	1.289
Aniline	2.290	2.131	2.102	2.109	2.166
Benzyl Alcohol	0.805	0.834	0.837	0.849	0.869
1,2-Diphenylhydrazine	1.064	1.144	1.101	1.247	1.253
Diphenyl	1.267	1.304	1.309	1.358	1.384
Diphenyl Ether	0.685	0.720	0.715	0.744	0.761
Acetophenone	2.487	2.396	2.414	2.500	2.612
1,4-Dioxane	0.391	0.450	0.448	0.460	0.458
N,N-Dimethylaniline	1.250	1.696	1.719	1.767	1.925
2,3,7,8-TCDD (Screen)			0.183		
Benzaldehyde	1.160	1.031	0.816	0.631	0.458

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8

Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

LAB FILE ID: RRF5: AA4692 RRF20: AA4694 RRF50: AA4690
RRF80: AA4693 RRF120: AA4691

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.130	0.127	0.124	0.124	0.114
Atrazine	0.257	0.233	0.232	0.224	0.210
n-decane	1.367	1.332	1.363	1.286	1.329
Coumarin	0.390	0.371	0.379	0.387	0.391
n-Octadecane	0.485	0.518	0.521	0.527	0.573
o-Tricresylphosphate	0.299	0.301	0.296	0.290	0.285
Carbamazepine	0.468	0.502	0.497	0.514	0.510
1-Methylnaphthalene	0.702	0.704	0.743	0.753	0.778
2-Fluorophenol (SUR)	0.819	0.914	0.979	1.028	1.101
Phenol-d5 (SUR)	1.645	1.683	1.755	1.823	1.895
2,4,6-Tribromophenol (SUR)	0.436	0.436	0.438	0.425	0.400
Nitrobenzene-d5 (SUR)	0.550	0.560	0.576	0.558	0.556
2-Fluorobiphenyl (SUR)	1.115	1.121	1.144	1.228	1.292
Terphenyl-d14 (SUR)	0.748	0.750	0.774	0.766	0.742

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8

Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

RRF10: AA4695

COMPOUND	RRF10
Phenol	1.863
2-Chlorophenol	1.182
2-Methylphenol	1.175
4-Methylphenol	1.320
2-Nitrophenol	0.227
2,4-Dimethylphenol	0.286
2,4-Dichlorophenol	0.381
4-Chloro-3-methylphenol	0.461
2,4,6-Trichlorophenol	0.358
2,4,5-Trichlorophenol	0.388
2,4-Dinitrophenol	0.150
4-Nitrophenol	0.381
4,6-Dinitro-2-methylphenol	0.154
Pentachlorophenol	0.154
Benzoic Acid	0.032
N-Nitrosodimethylamine	0.764
bis(2-Chloroethyl)ether	1.690
1,3-Dichlorobenzene	1.590
1,4-Dichlorobenzene	1.620
1,2-Dichlorobenzene	1.588
bis(2-chloroisopropyl)ether	2.602
N-Nitroso-di-n-propylamine	1.432
Hexachloroethane	0.778
Nitrobenzene	0.767
Isophorone	1.038
bis(2-Chloroethoxy)methane	0.593
1,2,4-Trichlorobenzene	0.406
Naphthalene	0.958
4-Chloroaniline	0.426
Hexachlorobutadiene	0.277
2-Methylnaphthalene	0.781
Hexachlorocyclopentadiene	0.120
2-Chloronaphthalene	1.021
2-Nitroaniline	0.483
Dimethylphthalate	1.562
Acenaphthylene	1.569
2,6-Dinitrotoluene	0.372
3-Nitroaniline	0.319
Acenaphthene	0.982

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

RRF10: AA4695

COMPOUND	RRF10
Dibenzofuran	1.593
2,4-Dinitrotoluene	0.544
Diethylphthalate	1.758
4-Chlorophenyl-phenylether	0.583
Fluorene	1.323
4-Nitroaniline	0.329
N-Nitrosodiphenylamine	0.569
4-Bromophenyl-phenylether	0.268
Hexachlorobenzene	0.403
Phenanthrene	1.142
Anthracene	1.158
Carbazole	1.130
Di-n-butylphthalate	1.793
Fluoranthene	1.194
Pyrene	0.939
Benzidine	0.431
Butylbenzylphthalate	0.670
3,3'-Dichlorobenzidine	0.487
Benzo(a)anthracene	0.999
Chrysene	0.927
bis(2-Ethylhexyl)phthalate	0.922
Di-n-octylphthalate	1.696
Benzo(b)fluoranthene	1.178
Benzo(k)fluoranthene	1.277
Benzo(a)pyrene	1.082
Indeno(1,2,3-cd)pyrene	1.416
Dibenz(a,h)anthracene	1.214
Benzo(g,h,i)perylene	1.178
Pyridine	1.039
Aniline	2.163
Benzyl Alcohol	0.849
1,2-Diphenylhydrazine	1.142
Diphenyl	1.313
Diphenyl Ether	0.689
Acetophenone	2.671
1,4-Dioxane	0.484
N,N-Dimethylaniline	1.667
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.196

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

RRF10: AA4695

COMPOUND	RRF10
Caprolactam	0.130
Atrazine	0.248
n-decane	1.486
Coumarin	0.394
n-Octadecane	0.539
o-Tricresylphosphate	0.300
Carbamazepine	0.504
1-Methylnaphthalene	0.727
2-Fluorophenol (SUR)	0.964
Phenol-d5 (SUR)	1.839
2,4,6-Tribromophenol (SUR)	0.414
Nitrobenzene-d5 (SUR)	0.559
2-Fluorobiphenyl (SUR)	1.148
Terphenyl-d14 (SUR)	0.761

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8

Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		1.87631220		7.2*
2-Chlorophenol	AVRG		1.23435659		6.4*
2-Methylphenol	AVRG		1.14593876		5.6*
4-Methylphenol	AVRG		1.31740713		11.9*
2-Nitrophenol	AVRG		0.23403135		2.0*
2,4-Dimethylphenol	AVRG		0.28858400		6.1*
2,4-Dichlorophenol	AVRG		0.40243972		6.9*
4-Chloro-3-methylphenol	AVRG		0.42818829		6.6*
2,4,6-Trichlorophenol	AVRG		0.36427268		5.1*
2,4,5-Trichlorophenol	AVRG		0.40703578		8.2*
2,4-Dinitrophenol	2ORDR	0.00000000	5.66065847	-1.6771131	0.998**
4-Nitrophenol	AVRG		0.37482649		3.5**
4,6-Dinitro-2-methylphenol	2ORDR	0.00000000	5.97015244	-2.3212540	0.998*
Pentachlorophenol	2ORDR	0.00000000	5.21331527	-1.4825556	0.996*
Benzoic Acid	2ORDR	0.00000000	7.12630698	-2.2343294	0.995*
N-Nitrosodimethylamine	AVRG		0.72797513		6.9*
bis(2-Chloroethyl)ether	AVRG		1.67876790		8.6*
1,3-Dichlorobenzene	AVRG		1.55353142		3.1*
1,4-Dichlorobenzene	AVRG		1.60875869		3.2*
1,2-Dichlorobenzene	AVRG		1.55509000		3.5*
bis(2-chloroisopropyl)ether	AVRG		2.41169256		6.1*
N-Nitroso-di-n-propylamine	AVRG		1.37768318		3.7**
Hexachloroethane	AVRG		0.71102940		11.2*
Nitrobenzene	AVRG		0.74718868		4.0*
Isophorone	AVRG		1.02852263		2.7*
bis(2-Chloroethoxy)methane	AVRG		0.59333236		2.6*
1,2,4-Trichlorobenzene	AVRG		0.41119754		7.3*
Naphthalene	AVRG		0.97190018		4.4*
4-Chloroaniline	AVRG		0.43048208		3.2*
Hexachlorobutadiene	AVRG		0.28009268		1.9*
2-Methylnaphthalene	AVRG		0.78805722		4.7*
Hexachlorocyclopentadiene	2ORDR	0.00000000	4.34430135	-1.1415809	0.997**
2-Chloronaphthalene	AVRG		1.04963965		4.4*
2-Nitroaniline	AVRG		0.47212519		5.4*
Dimethylphthalate	AVRG		1.52421164		2.4*
Acenaphthylene	AVRG		1.63986600		3.8*
2,6-Dinitrotoluene	AVRG		0.37597258		5.4*
3-Nitroaniline	AVRG		0.32056489		2.8*
Acenaphthene	AVRG		1.00710615		2.9*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8

Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dibenzofuran	AVRG		1.62816225		3.1*
2,4-Dinitrotoluene	AVRG		0.53905466		4.1*
Diethylphthalate	AVRG		1.68435504		5.8*
4-Chlorophenyl-phenylether	AVRG		0.61673785		4.1*
Fluorene	AVRG		1.34992659		3.9*
4-Nitroaniline	AVRG		0.32375664		4.2*
N-Nitrosodiphenylamine	AVRG		0.60870516		9.9*
4-Bromophenyl-phenylether	AVRG		0.28151387		5.3*
Hexachlorobenzene	AVRG		0.40611358		4.6*
Phenanthrene	AVRG		1.22531537		8.1*
Anthracene	AVRG		1.23220068		7.5*
Carbazole	AVRG		1.18299300		5.9*
Di-n-butylphthalate	AVRG		1.82680493		1.5*
Fluoranthene	AVRG		1.27945859		6.8*
Pyrene	AVRG		0.96941575		5.1*
Benzidine	2ORDR	0.00000000	1.41142482	4.84413705	0.996*
Butylbenzylphthalate	AVRG		0.64579663		3.1*
3,3'-Dichlorobenzidine	AVRG		0.43258424		11.1*
Benzo(a)anthracene	AVRG		1.04835641		3.2*
Chrysene	AVRG		0.94445927		2.6*
bis(2-Ethylhexyl)phthalate	AVRG		0.91469257		6.8*
Di-n-octylphthalate	AVRG		1.71008049		2.2*
Benzo(b)fluoranthene	2ORDR	0.00000000	0.78186236	-0.0405188	1.000*
Benzo(k)fluoranthene	AVRG		1.15081315		14.9*
Benzo(a)pyrene	AVRG		1.10030365		7.2*
Indeno(1,2,3-cd)pyrene	AVRG		1.44071633		5.4*
Dibenz(a,h)anthracene	AVRG		1.24111539		7.9*
Benzo(g,h,i)perylene	AVRG		1.22963581		4.5*
Pyridine	AVRG		1.14906548		11.1*
Aniline	AVRG		2.16021768		3.2*
Benzyl Alcohol	AVRG		0.84051687		2.5*
1,2-Diphenylhydrazine	AVRG		1.15862476		6.6*
Diphenyl	AVRG		1.32267924		3.2*
Diphenyl Ether	AVRG		0.71886780		4.2*
Acetophenone	AVRG		2.51336451		4.3**
1,4-Dioxane	AVRG		0.44857460		6.9**
N,N-Dimethylaniline	AVRG		1.67061646		13.5**
2,3,7,8-TCDD (Screen)	AVRG		0.18314353		0.0**
Benzaldehyde	AVRG		0.88240014		33.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS8

Calibration Date(s): 09/26/06 09/27/06

Calibration Time(s): 2221 0133

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.12509981		4.7*
Atrazine	AVRG		0.23387984		7.1*
n-decane	AVRG		1.36036084		5.0*
Coumarin	AVRG		0.38544022		2.3*
n-Octadecane	AVRG		0.52724913		5.5*
o-Tricresylphosphate	AVRG		0.29537086		2.2*
Carbamazepine	AVRG		0.49901442		3.3*
1-Methylnaphthalene	AVRG		0.73460167		4.0*
2-Fluorophenol (SUR)	AVRG		0.96762142		10.0*
Phenol-d5 (SUR)	AVRG		1.77335906		5.4*
2,4,6-Tribromophenol (SUR)	AVRG		0.42485445		3.5*
Nitrobenzene-d5 (SUR)	AVRG		0.55989063		1.5*
2-Fluorobiphenyl (SUR)	AVRG		1.17490455		6.0*
Terphenyl-d14 (SUR)	AVRG		0.75681208		1.6*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date: 10/08/06 Time: 2208

Lab File ID: AA4917 Init. Calib. Date(s): 09/26/06 09/27/06

Init. Calib. Times: 2221 0133

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Phenol	51	50	AVRG	-2.0	20.0
2-Chlorophenol	48	50	AVRG	4.0	20.0
2-Methylphenol	46	50	AVRG	8.0	20.0
4-Methylphenol	46	50	AVRG	8.0	20.0
2-Nitrophenol	48	50	AVRG	4.0	20.0
2,4-Dimethylphenol	47	50	AVRG	6.0	20.0
2,4-Dichlorophenol	49	50	AVRG	2.0	20.0
4-Chloro-3-methylphenol	49	50	AVRG	2.0	20.0
2,4,6-Trichlorophenol	49	50	AVRG	2.0	20.0
2,4,5-Trichlorophenol	47	50	AVRG	6.0	20.0
2,4-Dinitrophenol	49	50	2ORDR	2.0	20.0
4-Nitrophenol	49	50	AVRG	2.0	20.0
4,6-Dinitro-2-methylphenol	51	50	2ORDR	-2.0	20.0
Pentachlorophenol	50	50	2ORDR	0.0	20.0
Benzoic Acid	40	50	2ORDR	20.0	20.0
N-Nitrosodimethylamine	46	50	AVRG	8.0	20.0
bis(2-Chloroethyl)ether	48	50	AVRG	4.0	20.0
1,3-Dichlorobenzene	49	50	AVRG	2.0	20.0
1,4-Dichlorobenzene	49	50	AVRG	2.0	20.0
1,2-Dichlorobenzene	49	50	AVRG	2.0	20.0
bis(2-chloroisopropyl)ether	51	50	AVRG	-2.0	20.0
N-Nitroso-di-n-propylamine	46	50	AVRG	8.0	20.0
Hexachloroethane	51	50	AVRG	-2.0	20.0
Nitrobenzene	53	50	AVRG	-6.0	20.0
Isophorone	48	50	AVRG	4.0	20.0
bis(2-Chloroethoxy)methane	51	50	AVRG	-2.0	20.0
1,2,4-Trichlorobenzene	51	50	AVRG	-2.0	20.0
Naphthalene	49	50	AVRG	2.0	20.0
4-Chloroaniline	46	50	AVRG	8.0	20.0
Hexachlorobutadiene	51	50	AVRG	-2.0	20.0
2-Methylnaphthalene	49	50	AVRG	2.0	20.0
Hexachlorocyclopentadiene	47	50	2ORDR	6.0	20.0
2-Chloronaphthalene	52	50	AVRG	-4.0	20.0
2-Nitroaniline	51	50	AVRG	-2.0	20.0
Dimethylphthalate	48	50	AVRG	4.0	20.0
Acenaphthylene	49	50	AVRG	2.0	20.0
2,6-Dinitrotoluene	49	50	AVRG	2.0	20.0

SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date: 10/08/06 Time: 2208

Lab File ID: AA4917 Init. Calib. Date(s): 09/26/06 09/27/06

Init. Calib. Times: 2221 0133

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
3-Nitroaniline	46	50	AVRG	8.0	20.0
Acenaphthene	50	50	AVRG	0.0	20.0
Dibenzofuran	51	50	AVRG	-2.0	20.0
2,4-Dinitrotoluene	48	50	AVRG	4.0	20.0
Diethylphthalate	49	50	AVRG	2.0	20.0
4-Chlorophenyl-phenylether	48	50	AVRG	4.0	20.0
Fluorene	51	50	AVRG	-2.0	20.0
4-Nitroaniline	43	50	AVRG	14.0	20.0
N-Nitrosodiphenylamine	53	50	AVRG	-6.0	20.0
4-Bromophenyl-phenylether	51	50	AVRG	-2.0	20.0
Hexachlorobenzene	52	50	AVRG	-4.0	20.0
Phenanthrene	51	50	AVRG	-2.0	20.0
Anthracene	51	50	AVRG	-2.0	20.0
Carbazole	49	50	AVRG	2.0	20.0
Di-n-butylphthalate	51	50	AVRG	-2.0	20.0
Fluoranthene	49	50	AVRG	2.0	20.0
Pyrene	48	50	AVRG	4.0	20.0
Benzidine	34	50	2ORDR	32.0	20.0
Butylbenzylphthalate	49	50	AVRG	2.0	20.0
3,3'-Dichlorobenzidine	50	50	AVRG	0.0	20.0
Benzo(a)anthracene	50	50	AVRG	0.0	20.0
Chrysene	50	50	AVRG	0.0	20.0
bis(2-Ethylhexyl)phthalate	54	50	AVRG	-8.0	20.0
Di-n-octylphthalate	52	50	AVRG	-4.0	20.0
Benzo(b)fluoranthene	48	50	2ORDR	4.0	20.0
Benzo(k)fluoranthene	53	50	AVRG	-6.0	20.0
Benzo(a)pyrene	51	50	AVRG	-2.0	20.0
Indeno(1,2,3-cd)pyrene	53	50	AVRG	-6.0	20.0
Dibenz(a,h)anthracene	53	50	AVRG	-6.0	20.0
Benzo(g,h,i)perylene	52	50	AVRG	-4.0	20.0
Pyridine	51	50	AVRG	-2.0	20.0
Aniline	47	50	AVRG	6.0	20.0
Benzyl Alcohol	44	50	AVRG	12.0	20.0
1,2-Diphenylhydrazine	49	50	AVRG	2.0	20.0
Diphenyl	51	50	AVRG	-2.0	20.0
Diphenyl Ether	52	50	AVRG	-4.0	20.0
Acetophenone	46	50	AVRG	8.0	20.0

SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date: 10/08/06 Time: 2208

Lab File ID: AA4917 Init. Calib. Date(s): 09/26/06 09/27/06

Init. Calib. Times: 2221 0133

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
1,4-Dioxane	50	50	AVRG	0.0	20.0
N,N-Dimethylaniline	47	50	AVRG	6.0	20.0
2,3,7,8-TCDD (Screen)	0.60	0.50	AVRG	-20.0	20.0
Benzaldehyde	43	50	AVRG	14.0	20.0
Caprolactam	43	50	AVRG	14.0	20.0
Atrazine	47	50	AVRG	6.0	20.0
n-decane	56	50	AVRG	-12.0	20.0
Coumarin	44	50	AVRG	12.0	20.0
n-Octadecane	53	50	AVRG	-6.0	20.0
o-Tricresylphosphate	50	50	AVRG	0.0	20.0
Carbamazepine	46	50	AVRG	8.0	20.0
1-Methylnaphthalene	47	50	AVRG	6.0	20.0
2-Fluorophenol (SUR)	47	50	AVRG	6.0	20.0
Phenol-d5 (SUR)	48	50	AVRG	4.0	20.0
2,4,6-Tribromophenol (SUR)	48	50	AVRG	4.0	20.0
Nitrobenzene-d5 (SUR)	52	50	AVRG	-4.0	20.0
2-Fluorobiphenyl (SUR)	50	50	AVRG	0.0	20.0
Terphenyl-d14 (SUR)	51	50	AVRG	-2.0	20.0

SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date: 10/09/06 Time: 1159

Lab File ID: AA4938 Init. Calib. Date(s): 09/26/06 09/27/06

Init. Calib. Times: 2221 0133

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Phenol	52	50	AVRG	-4.0	20.0
2-Chlorophenol	50	50	AVRG	0.0	20.0
2-Methylphenol	48	50	AVRG	4.0	20.0
4-Methylphenol	48	50	AVRG	4.0	20.0
2-Nitrophenol	50	50	AVRG	0.0	20.0
2,4-Dimethylphenol	48	50	AVRG	4.0	20.0
2,4-Dichlorophenol	51	50	AVRG	-2.0	20.0
4-Chloro-3-methylphenol	50	50	AVRG	0.0	20.0
2,4,6-Trichlorophenol	48	50	AVRG	4.0	20.0
2,4,5-Trichlorophenol	48	50	AVRG	4.0	20.0
2,4-Dinitrophenol	49	50	2ORDR	2.0	20.0
4-Nitrophenol	52	50	AVRG	-4.0	20.0
4,6-Dinitro-2-methylphenol	52	50	2ORDR	-4.0	20.0
Pentachlorophenol	56	50	2ORDR	-12.0	20.0
Benzoic Acid	72	50	2ORDR	-44.0	20.0
N-Nitrosodimethylamine	49	50	AVRG	2.0	20.0
bis(2-Chloroethyl)ether	50	50	AVRG	0.0	20.0
1,3-Dichlorobenzene	50	50	AVRG	0.0	20.0
1,4-Dichlorobenzene	50	50	AVRG	0.0	20.0
1,2-Dichlorobenzene	50	50	AVRG	0.0	20.0
bis(2-chloroisopropyl)ether	54	50	AVRG	-8.0	20.0
N-Nitroso-di-n-propylamine	49	50	AVRG	2.0	20.0
Hexachloroethane	53	50	AVRG	-6.0	20.0
Nitrobenzene	52	50	AVRG	-4.0	20.0
Isophorone	49	50	AVRG	2.0	20.0
bis(2-Chloroethoxy)methane	51	50	AVRG	-2.0	20.0
1,2,4-Trichlorobenzene	50	50	AVRG	0.0	20.0
Naphthalene	49	50	AVRG	2.0	20.0
4-Chloroaniline	46	50	AVRG	8.0	20.0
Hexachlorobutadiene	52	50	AVRG	-4.0	20.0
2-Methylnaphthalene	50	50	AVRG	0.0	20.0
Hexachlorocyclopentadiene	41	50	2ORDR	18.0	20.0
2-Chloronaphthalene	50	50	AVRG	0.0	20.0
2-Nitroaniline	49	50	AVRG	2.0	20.0
Dimethylphthalate	48	50	AVRG	4.0	20.0
Acenaphthylene	49	50	AVRG	2.0	20.0
2,6-Dinitrotoluene	51	50	AVRG	-2.0	20.0

SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date: 10/09/06 Time: 1159

Lab File ID: AA4938 Init. Calib. Date(s): 09/26/06 09/27/06

Init. Calib. Times: 2221 0133

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
3-Nitroaniline	46	50	AVRG	8.0	20.0
Acenaphthene	49	50	AVRG	2.0	20.0
Dibenzofuran	50	50	AVRG	0.0	20.0
2,4-Dinitrotoluene	47	50	AVRG	6.0	20.0
Diethylphthalate	49	50	AVRG	2.0	20.0
4-Chlorophenyl-phenylether	49	50	AVRG	2.0	20.0
Fluorene	50	50	AVRG	0.0	20.0
4-Nitroaniline	45	50	AVRG	10.0	20.0
N-Nitrosodiphenylamine	54	50	AVRG	-8.0	20.0
4-Bromophenyl-phenylether	53	50	AVRG	-6.0	20.0
Hexachlorobenzene	53	50	AVRG	-6.0	20.0
Phenanthrene	52	50	AVRG	-4.0	20.0
Anthracene	51	50	AVRG	-2.0	20.0
Carbazole	50	50	AVRG	0.0	20.0
Di-n-butylphthalate	52	50	AVRG	-4.0	20.0
Fluoranthene	50	50	AVRG	0.0	20.0
Pyrene	48	50	AVRG	4.0	20.0
Benzidine	20	50	2ORDR	60.0	20.0
Butylbenzylphthalate	49	50	AVRG	2.0	20.0
3,3'-Dichlorobenzidine	49	50	AVRG	2.0	20.0
Benzo(a)anthracene	51	50	AVRG	-2.0	20.0
Chrysene	49	50	AVRG	2.0	20.0
bis(2-Ethylhexyl)phthalate	55	50	AVRG	-10.0	20.0
Di-n-octylphthalate	53	50	AVRG	-6.0	20.0
Benzo(b)fluoranthene	47	50	2ORDR	6.0	20.0
Benzo(k)fluoranthene	56	50	AVRG	-12.0	20.0
Benzo(a)pyrene	51	50	AVRG	-2.0	20.0
Indeno(1,2,3-cd)pyrene	53	50	AVRG	-6.0	20.0
Dibenz(a,h)anthracene	54	50	AVRG	-8.0	20.0
Benzo(g,h,i)perylene	52	50	AVRG	-4.0	20.0
Pyridine	51	50	AVRG	-2.0	20.0
Aniline	46	50	AVRG	8.0	20.0
Benzyl Alcohol	48	50	AVRG	4.0	20.0
1,2-Diphenylhydrazine	50	50	AVRG	0.0	20.0
Diphenyl	50	50	AVRG	0.0	20.0
Diphenyl Ether	50	50	AVRG	0.0	20.0
Acetophenone	49	50	AVRG	2.0	20.0

SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8270C

Instrument ID: BNAMS8 Calibration Date: 10/09/06 Time: 1159

Lab File ID: AA4938 Init. Calib. Date(s): 09/26/06 09/27/06

Init. Calib. Times: 2221 0133

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
1,4-Dioxane	54	50	AVRG	-8.0	20.0
N,N-Dimethylaniline	49	50	AVRG	2.0	20.0
2,3,7,8-TCDD (Screen)	0.55	0.50	AVRG	-10.0	20.0
Benzaldehyde	45	50	AVRG	10.0	20.0
Caprolactam	45	50	AVRG	10.0	20.0
Atrazine	43	50	AVRG	14.0	20.0
n-decane	56	50	AVRG	-12.0	20.0
Coumarin	47	50	AVRG	6.0	20.0
n-Octadecane	53	50	AVRG	-6.0	20.0
o-Tricresylphosphate	50	50	AVRG	0.0	20.0
Carbamazepine	47	50	AVRG	6.0	20.0
1-Methylnaphthalene	49	50	AVRG	2.0	20.0
2-Fluorophenol (SUR)	50	50	AVRG	0.0	20.0
Phenol-d5 (SUR)	49	50	AVRG	2.0	20.0
2,4,6-Tribromophenol (SUR)	50	50	AVRG	0.0	20.0
Nitrobenzene-d5 (SUR)	52	50	AVRG	-4.0	20.0
2-Fluorobiphenyl (SUR)	49	50	AVRG	2.0	20.0
Terphenyl-d14 (SUR)	51	50	AVRG	-2.0	20.0

Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: SOIL Level: LOW Lab Job No: X967

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SB279A	110	102	98	99	97	110	0
02	775584	95	88	88	91	90	97	0
03	775585	96	89	85	92	86	94	0
04	775586	105	95	90	96	90	98	0
05	775605R1	98	90	83	102	91	154D	0
06	775606	117	107	97	99	97	104	0
07	775605	100	92	89	100	89	138	0
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		QC LIMITS
S1	= 2-Fluorophenol	(38-135)
S2	= Phenol-d5	(40-137)
S3	= 2,4,6-Tribromophenol	(12-151)
S4	= Nitrobenzene-d5	(51-122)
S5	= 2-Fluorobiphenyl	(60-123)
S6	= Terphenyl-d14	(48-142)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8270C

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 775643

MS Sample from Lab Job No: X973

QA Batch: 4674

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	7100	0.00	7400	104	50-131
2-Chlorophenol	7100	0.00	6800	96	57-126
4-Chloro-3-methylphenol	7100	0.00	8100	114	68-130
4-Nitrophenol	7100	0.00	9300	131	48-137
Pentachlorophenol	7100	0.00	6900	97	0-147
1,4-Dichlorobenzene	3500	790	3800	86	50-100
N-Nitroso-di-n-propylami	3500	0.00	4400	126*	60-115
1,2,4-Trichlorobenzene	3500	0.00	4200	120*	60-112
Acenaphthene	3500	0.00	3500	100	66-114
2,4-Dinitrotoluene	3500	0.00	3500	100	64-121
Pyrene	3500	160	3300	90	38-179

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	7100	7500	106	1	40	50-131
2-Chlorophenol	7100	7000	99	3	40	57-126
4-Chloro-3-methylphenol	7100	7700	108	5	40	68-130
4-Nitrophenol	7100	8200	115	13	40	48-137
Pentachlorophenol	7100	6200	87	11	40	0-147
1,4-Dichlorobenzene	3500	3900	89	3	40	50-100
N-Nitroso-di-n-propylami	3500	5000	143*	13	40	60-115
1,2,4-Trichlorobenzene	3500	4100	117*	2	40	60-112
Acenaphthene	3500	3400	97	3	40	66-114
2,4-Dinitrotoluene	3500	3500	100	0	40	64-121
Pyrene	3500	3200	87	3	40	38-179

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 4 out of 22 outside limits

COMMENTS:

Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): AA4917 Date Analyzed: 10/08/06

Instrument ID: BNAMS8 Time Analyzed: 2208

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	93776	6.80	324213	8.58	547602	17.18
	UPPER LIMIT	187552	7.30	648426	9.08	1095204	17.68
	LOWER LIMIT	46888	6.30	162106	8.08	273801	16.68
	LABORATORY SAMPLE NO.						
01	SB279A	79499	6.80	278291	8.58	479356	17.17
02	775584	84375	6.80	298194	8.57	498021	17.17
03	775585	82355	6.80	292370	8.58	500297	17.17
04	775586	86728	6.80	307413	8.57	537460	17.17
05	775605R1	114873	6.80	391624	8.58	332874	17.17
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): AA4917 Date Analyzed: 10/08/06

Instrument ID: BNAMS8 Time Analyzed: 2208

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	253652	11.12	388144	13.26	497506	20.29
	UPPER LIMIT	507304	11.62	776288	13.76	995012	20.79
	LOWER LIMIT	126826	10.62	194072	12.76	248753	19.79
	LABORATORY SAMPLE NO.						
01	SB279A	228348	11.12	378585	13.25	457237	20.27
02	775584	235480	11.12	363486	13.25	473678	20.28
03	775585	240052	11.12	377744	13.25	478026	20.28
04	775586	249719	11.12	401782	13.25	500552	20.28
05	775605R1	315546	11.12	482313	13.25	121923*	20.26
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IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): AA4938 Date Analyzed: 10/09/06

Instrument ID: BNAMS8 Time Analyzed: 1159

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	90805	6.79	337530	8.56	622114	17.18
	UPPER LIMIT	181610	7.29	675060	9.06	1244228	17.68
	LOWER LIMIT	45402	6.29	168765	8.06	311057	16.68
	LABORATORY SAMPLE NO.						
01	775606	91409	6.79	343579	8.57	593552	17.17
02	775605	102418	6.79	370390	8.56	396929	17.16
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04							
05							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): AA4938 Date Analyzed: 10/09/06

Instrument ID: BNAMS8 Time Analyzed: 1159

		IS4(ANT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	280552		11.11		424510		13.25		553543		20.27	
	UPPER LIMIT	561104		11.61		849020		13.75		1107086		20.77	
	LOWER LIMIT	140276		10.61		212255		12.75		276772		19.77	
	LABORATORY SAMPLE NO.												
01	775606	280253		11.11		471379		13.24		469853		20.26	
02	775605	295254		11.11		467283		13.24		155562	*	20.23	
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22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Metals Forms and Data

Analytical Results Summary

Client ID: **B402-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775565
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.1	1.1	BN	P
Arsenic	559	1.0		P
Barium	175	0.30	N	P
Beryllium	0.33	0.023	B	P
Cadmium	0.20	0.11	B	P
Chromium	265	0.64	N	P
Copper	164	0.71	N	P
Lead	681	0.50		P
Mercury	0.08	0.019		CV
Nickel	96.0	0.89	N	P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	49.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B402-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775566
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 14.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	97.5	1.1		P
Barium	87.3	0.31	N	P
Beryllium	0.32	0.023	B	P
Cadmium	0.29	0.12	B	P
Chromium	67.5	0.66	N	P
Copper	45.7	0.73	N	P
Lead	28.9	0.52		P
Mercury	ND	0.020		CV
Nickel	124	0.92	N	P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	34.3	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B302-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775567
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 17.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	14.4	1.2	N	P
Arsenic	188	1.1		P
Barium	584	0.32	N	P
Beryllium	0.12	0.024	B	P
Cadmium	1.3	0.12		P
Chromium	146	0.68	N	P
Copper	165	0.75	N	P
Lead	1420	0.53		P
Mercury	0.51	0.020		CV
Nickel	33.5	0.95	N	P
Selenium	6.1	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	75.1	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B302-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775568
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	17.1	0.71		P
Barium	82.9	0.38		P
Beryllium	0.36	0.067	B	P
Cadmium	ND	0.089		P
Chromium	93.5	0.36	N	P
Copper	40.6	0.82	N	P
Lead	11.5	0.60	N	P
Mercury	ND	0.019		CV
Nickel	119	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	37.2	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1501-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775569
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	4.3	1.1	N	P
Arsenic	7.3	1.0		P
Barium	191	0.29	N	P
Beryllium	0.47	0.023		P
Cadmium	0.43	0.11	B	P
Chromium	97.5	0.63	N	P
Copper	67.3	0.70	N	P
Lead	1430	0.50		P
Mercury	0.23	0.019		CV
Nickel	79.4	0.88	N	P
Selenium	1.1	1.1	B	P
Silver	0.33	0.27	B	P
Thallium	ND	1.1		P
Zinc	94.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1501-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775570
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.4	1.0		P
Barium	60.7	0.30	N	P
Beryllium	0.74	0.023		P
Cadmium	0.24	0.11	B	P
Chromium	56.4	0.64	N	P
Copper	31.2	0.71	N	P
Lead	11.0	0.50		P
Mercury	ND	0.019		CV
Nickel	175	0.89	N	P
Selenium	1.8	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	61.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1502-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775572
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.1	1.0		P
Barium	42.2	0.29	BN	P
Beryllium	0.46	0.022		P
Cadmium	0.16	0.11	B	P
Chromium	29.7	0.63	N	P
Copper	19.2	0.70	N	P
Lead	51.5	0.49		P
Mercury	0.07	0.019		CV
Nickel	66.7	0.87	N	P
Selenium	1.1	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	40.5	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1502-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775573
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	6.2	1.0		P
Barium	123	0.30	N	P
Beryllium	0.76	0.023		P
Cadmium	0.35	0.12	B	P
Chromium	34.9	0.65	N	P
Copper	29.6	0.71	N	P
Lead	9.4	0.51		P
Mercury	ND	0.019		CV
Nickel	124	0.90	N	P
Selenium	1.5	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	45.6	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B605-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775575
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.4	1.0		P
Barium	31.9	0.30	BN	P
Beryllium	0.48	0.023		P
Cadmium	0.28	0.12	B	P
Chromium	27.6	0.65	N	P
Copper	31.2	0.72	N	P
Lead	18.8	0.51		P
Mercury	0.05	0.019		CV
Nickel	54.0	0.90	N	P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	30.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B603-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775577
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	1.4	1.0		P
Barium	1800	0.29	N	P
Beryllium	0.16	0.023	B	P
Cadmium	0.60	0.11	B	P
Chromium	15.3	0.63	N	P
Copper	34.6	0.70	N	P
Lead	191	0.50		P
Mercury	0.06	0.019		CV
Nickel	10.5	0.88	N	P
Selenium	1.8	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	38.7	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B603-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775578
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	4.8	0.75		P
Barium	85.0	0.40		P
Beryllium	0.77	0.071		P
Cadmium	ND	0.094		P
Chromium	51.0	0.38	N	P
Copper	43.7	0.87	N	P
Lead	10.8	0.64	N	P
Mercury	ND	0.020		CV
Nickel	106	0.57		P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	41.5	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B606-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775579
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	2.1	1.2	BN	P
Arsenic	34.8	1.1		P
Barium	1940	0.31	N	P
Beryllium	0.40	0.024	B	P
Cadmium	0.55	0.12	B	P
Chromium	75.4	0.67	N	P
Copper	75.9	0.74	N	P
Lead	230	0.52		P
Mercury	8.9	0.20		CV
Nickel	146	0.93	N	P
Selenium	1.8	1.1		P
Silver	ND	0.29		P
Thallium	ND	1.1		P
Zinc	68.6	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B606-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775580
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.4	1.2	BN	P
Arsenic	18.3	1.1		P
Barium	985	0.31	N	P
Beryllium	0.40	0.024	B	P
Cadmium	0.50	0.12	B	P
Chromium	53.8	0.67	N	P
Copper	69.5	0.74	N	P
Lead	175	0.53		P
Mercury	2.8	0.060		CV
Nickel	163	0.94	N	P
Selenium	ND	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	69.7	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B606-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775581
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	3.3	0.76		P
Barium	75.7	0.40		P
Beryllium	0.83	0.071		P
Cadmium	ND	0.095		P
Chromium	52.4	0.38	N	P
Copper	27.8	0.88	N	P
Lead	9.5	0.64	N	P
Mercury	ND	0.12		CV
Nickel	247	0.57		P
Selenium	1.1	1.00	B	P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	65.2	1.4	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B602-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775582
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	5.1	1.0		P
Barium	1420	0.30	N	P
Beryllium	0.51	0.023		P
Cadmium	5.8	0.11		P
Chromium	545	0.64	N	P
Copper	28.1	0.71	N	P
Lead	1490	0.50		P
Mercury	0.11	0.019		CV
Nickel	94.9	0.89	N	P
Selenium	1.1	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	240	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B602-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775583
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	3.5	0.74		P
Barium	241	0.39		P
Beryllium	0.56	0.069		P
Cadmium	ND	0.092		P
Chromium	73.5	0.37	N	P
Copper	22.6	0.85	N	P
Lead	185	0.62	N	P
Mercury	0.20	0.019		CV
Nickel	108	0.55		P
Selenium	ND	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	81.8	1.3	N	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B604-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775584
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 18.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	3.8	1.1		P
Barium	54.2	0.32	N	P
Beryllium	0.31	0.024	B	P
Cadmium	0.13	0.12	B	P
Chromium	25.7	0.68	N	P
Copper	13.0	0.76	N	P
Lead	9.5	0.54		P
Mercury	0.02	0.020	B	CV
Nickel	41.6	0.95	N	P
Selenium	ND	1.2		P
Silver	ND	0.29		P
Thallium	ND	1.2		P
Zinc	34.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B604-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775585
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 19.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	4.5	1.1		P
Barium	52.9	0.32	N	P
Beryllium	0.35	0.025	B	P
Cadmium	0.17	0.12	B	P
Chromium	25.6	0.70	N	P
Copper	13.1	0.77	N	P
Lead	11.3	0.55		P
Mercury	0.04	0.018		CV
Nickel	43.4	0.97	N	P
Selenium	1.4	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	34.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B604-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775586
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 19.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	5.2	1.1		P
Barium	63.0	0.32	N	P
Beryllium	0.69	0.025		P
Cadmium	0.56	0.12	B	P
Chromium	47.1	0.69	N	P
Copper	30.8	0.77	N	P
Lead	11.9	0.55		P
Mercury	0.05	0.021		CV
Nickel	122	0.97	N	P
Selenium	1.4	1.2		P
Silver	ND	0.30		P
Thallium	ND	1.2		P
Zinc	44.9	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1605-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775588
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	5.8	1.1		P
Barium	32.9	0.31	BN	P
Beryllium	0.67	0.024		P
Cadmium	13.5	0.12		P
Chromium	35.5	0.66	N	P
Copper	16.4	0.73	N	P
Lead	10.0	0.52		P
Mercury	ND	0.017		CV
Nickel	51.8	0.92	N	P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	41.9	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1605-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775589
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	4.1	1.0		P
Barium	33.2	0.30	BN	P
Beryllium	0.66	0.023		P
Cadmium	20.8	0.11		P
Chromium	34.6	0.64	N	P
Copper	17.6	0.71	N	P
Lead	8.0	0.50		P
Mercury	ND	0.016		CV
Nickel	113	0.89	N	P
Selenium	1.1	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	36.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1605-SS02D**
Site: **Sun Chemical SI**

Lab Sample No: 775590
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.7	1.0		P
Barium	58.3	0.30	N	P
Beryllium	0.64	0.023		P
Cadmium	18.9	0.12		P
Chromium	31.4	0.64	N	P
Copper	16.0	0.71	N	P
Lead	7.6	0.51		P
Mercury	ND	0.016		CV
Nickel	74.8	0.90	N	P
Selenium	1.3	1.1		P
Silver	ND	0.28		P
Thallium	ND	1.1		P
Zinc	34.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1604-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775591
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	3.6	1.00		P
Barium	71.3	0.29	N	P
Beryllium	0.57	0.022		P
Cadmium	0.21	0.11	B	P
Chromium	85.5	0.62	N	P
Copper	116	0.69	N	P
Lead	6.5	0.49		P
Mercury	ND	0.018		CV
Nickel	411	0.86	N	P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	43.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1604-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775592
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.9	0.99		P
Barium	61.9	0.29	N	P
Beryllium	0.46	0.022		P
Cadmium	0.30	0.11	B	P
Chromium	54.9	0.62	N	P
Copper	261	0.69	N	P
Lead	6.5	0.49		P
Mercury	ND	0.018		CV
Nickel	269	0.86	N	P
Selenium	ND	1.1		P
Silver	ND	0.27		P
Thallium	ND	1.1		P
Zinc	32.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1603-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775593
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.6	0.72		P
Barium	262	0.38		P
Beryllium	0.58	0.068		P
Cadmium	ND	0.090		P
Chromium	29.9	0.36		P
Copper	28.8	0.84		P
Lead	10.5	0.61		P
Mercury	ND	0.019		CV
Nickel	113	0.54		P
Selenium	1.1	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	85.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1603-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775594
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.6	0.73		P
Barium	261	0.39		P
Beryllium	0.60	0.068		P
Cadmium	ND	0.091		P
Chromium	28.4	0.36		P
Copper	38.4	0.84		P
Lead	10.4	0.62		P
Mercury	ND	0.016		CV
Nickel	112	0.55		P
Selenium	ND	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	112	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1603-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775595
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 16.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	9.7	1.4	N	P
Arsenic	2.4	0.77		P
Barium	280	0.41		P
Beryllium	0.58	0.072		P
Cadmium	ND	0.096		P
Chromium	31.6	0.39		P
Copper	31.6	0.89		P
Lead	51.9	0.65		P
Mercury	ND	0.020		CV
Nickel	110	0.58		P
Selenium	1.1	1.0	B	P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	50.2	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1607-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775596
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.5	0.73		P
Barium	1610	0.39		P
Beryllium	0.45	0.069		P
Cadmium	ND	0.092		P
Chromium	30.5	0.37		P
Copper	37.4	0.85		P
Lead	20.7	0.62		P
Mercury	0.03	0.019	B	CV
Nickel	96.0	0.55		P
Selenium	1.4	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	81.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1607-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775597
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 12.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.8	0.73		P
Barium	3910	0.39		P
Beryllium	0.44	0.069	B	P
Cadmium	ND	0.092		P
Chromium	38.8	0.37		P
Copper	21.9	0.85		P
Lead	20.5	0.62		P
Mercury	0.02	0.019	B	CV
Nickel	102	0.55		P
Selenium	ND	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	75.8	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775598
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 15.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	5.7	0.75		P
Barium	56.4	0.40		P
Beryllium	0.52	0.071		P
Cadmium	ND	0.094		P
Chromium	41.7	0.38		P
Copper	34.5	0.87		P
Lead	124	0.64		P
Mercury	0.15	0.020		CV
Nickel	138	0.57		P
Selenium	1.4	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	87.8	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775599
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 14.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	5.2	0.75		P
Barium	51.3	0.40		P
Beryllium	0.53	0.070		P
Cadmium	ND	0.094		P
Chromium	31.1	0.38		P
Copper	30.0	0.87		P
Lead	64.6	0.63		P
Mercury	0.13	0.020		CV
Nickel	85.8	0.56		P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	64.0	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS03**
Site: **Sun Chemical SI**

Lab Sample No: 775600
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.1	0.71	B	P
Barium	28.9	0.38	B	P
Beryllium	0.47	0.067		P
Cadmium	ND	0.089		P
Chromium	24.9	0.36		P
Copper	19.3	0.82		P
Lead	6.6	0.60		P
Mercury	ND	0.019		CV
Nickel	83.4	0.53		P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	39.0	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS03D**
Site: **Sun Chemical SI**

Lab Sample No: 775601
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	0.76	0.71	B	P
Barium	27.7	0.38	B	P
Beryllium	0.45	0.067		P
Cadmium	ND	0.089		P
Chromium	23.8	0.35		P
Copper	16.5	0.82		P
Lead	6.4	0.60		P
Mercury	ND	0.018		CV
Nickel	67.5	0.53		P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	36.7	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BKD1-SS04**
Site: **Sun Chemical SI**

Lab Sample No: 775602
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	3.1	0.73		P
Barium	66.0	0.39		P
Beryllium	0.69	0.068		P
Cadmium	ND	0.091		P
Chromium	64.5	0.36		P
Copper	20.3	0.84		P
Lead	8.5	0.61		P
Mercury	ND	0.019		CV
Nickel	521	0.54		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	48.1	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1601-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775603
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 9.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.7	0.71		P
Barium	39.1	0.38	B	P
Beryllium	0.44	0.067		P
Cadmium	ND	0.089		P
Chromium	29.0	0.35		P
Copper	227	0.82		P
Lead	6.3	0.60		P
Mercury	ND	0.018		CV
Nickel	215	0.53		P
Selenium	0.90	0.93	B	P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	32.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1601-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775604
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	1.0	0.65	B	P
Barium	37.9	0.34	B	P
Beryllium	0.44	0.061		P
Cadmium	ND	0.081		P
Chromium	23.7	0.32		P
Copper	16.0	0.75		P
Lead	6.6	0.55		P
Mercury	ND	0.019		CV
Nickel	191	0.49		P
Selenium	ND	0.85		P
Silver	ND	0.28		P
Thallium	ND	0.95		P
Zinc	35.3	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B203-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775605
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 13.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	4.5	1.3	N	P
Arsenic	31.4	0.74		P
Barium	3780	0.39		P
Beryllium	0.43	0.069	B	P
Cadmium	3.7	0.092		P
Chromium	1060	0.37		P
Copper	154	0.85		P
Lead	10300	3.1		P
Mercury	1.6	0.019		CV
Nickel	57.7	0.55		P
Selenium	3.9	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	336	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B203-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775606
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 11.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.5	0.73		P
Barium	41.9	0.39	B	P
Beryllium	0.39	0.068	B	P
Cadmium	ND	0.091		P
Chromium	47.7	0.36		P
Copper	19.4	0.84		P
Lead	57.2	0.61		P
Mercury	0.07	0.019		CV
Nickel	157	0.54		P
Selenium	1.0	0.95	B	P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	34.3	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1606-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775608
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 18.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	8.9	1.4	N	P
Arsenic	13.4	0.78		P
Barium	598	0.42		P
Beryllium	0.58	0.074		P
Cadmium	1.2	0.098	B	P
Chromium	449	0.39		P
Copper	172	0.91		P
Lead	1300	0.66		P
Mercury	1.2	0.020		CV
Nickel	82.0	0.59		P
Selenium	2.0	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.2		P
Zinc	245	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B1606-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775609
Lab Job No: X967

Date Sampled: 10/05/06
Date Received: 10/05/06

Matrix: SOLID
Level: LOW
% Moisture: 10.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	1.6	0.65		P
Barium	38.6	0.34	B	P
Beryllium	0.46	0.061		P
Cadmium	ND	0.081		P
Chromium	34.0	0.32		P
Copper	18.8	0.75		P
Lead	16.2	0.55		P
Mercury	ND	0.019		CV
Nickel	190	0.49		P
Selenium	1.0	0.85	B	P
Silver	ND	0.28		P
Thallium	ND	0.95		P
Zinc	35.6	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21446_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	4.9	U	4.9	U	4.9	U	4.9	U	0.490	U	P
Arsenic	4.5	U	4.5	U	4.5	U	4.5	U	0.450	U	P
Barium	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.050	U	P
Calcium											NR
Chromium	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Cobalt											NR
Copper	3.1	U	3.1	U	3.1	U	3.1	U	0.310	U	P
Iron											NR
Lead	2.2	U	2.2	U	2.2	U	2.2	U	0.220	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U	0.390	U	P
Potassium											NR
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	0.480	U	P
Silver	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Sodium											NR
Thallium	4.8	U	4.8	U	4.8	U	4.8	U	0.480	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21446_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			4.9	U							P
Arsenic			4.5	U							P
Barium			1.3	U							P
Beryllium			0.1	U							P
Cadmium			0.5	U							P
Calcium											NR
Chromium			2.8	U							P
Cobalt											NR
Copper			3.1	U							P
Iron											NR
Lead			2.2	U							P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			3.9	U							P
Potassium											NR
Selenium			4.8	U							P
Silver			1.2	U							P
Sodium											NR
Thallium			-6.4	B							P
Vanadium											NR
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21446_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep. Blank	C	M
Aluminum											NR
Antimony	4.9	U	4.9	U	4.9	U	4.9	U			P
Arsenic	4.5	U	4.5	U	4.5	U	4.5	U			P
Barium	1.3	U	1.3	U	1.3	U	1.3	U			P
Beryllium	0.1	B	0.1	U	0.1	U	0.1	U			P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U			P
Calcium											NR
Chromium	2.8	U	2.8	U	2.8	U	2.8	U			P
Cobalt											NR
Copper	3.1	U	3.1	U	3.1	U	3.1	U			P
Iron											NR
Lead	2.3	B	2.2	U	2.2	U	2.2	U			P
Magnesium											NR
Manganese											NR
Mercury			0.1	U							CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U			P
Potassium											NR
Selenium	4.8	U	4.8	U	4.8	U	4.8	U			P
Silver	1.2	U	1.2	U	1.2	U	1.2	U			P
Sodium											NR
Thallium	7.2	B	4.8	U	4.8	U	4.8	U			P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21446_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			4.9	U							P
Arsenic			4.5	U							P
Barium			1.3	U							P
Beryllium			0.1	U							P
Cadmium			0.5	U							P
Calcium											NR
Chromium			2.8	U							P
Cobalt											NR
Copper			3.1	U							P
Iron											NR
Lead			2.2	U							P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel			3.9	U							P
Potassium											NR
Selenium			4.8	U							P
Silver			1.2	U							P
Sodium											NR
Thallium			4.8	U							P
Vanadium											NR
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	0.746	B	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	0.320	U	P
Barium	2.5	B	1.7	U	1.8	B	1.7	U	0.170	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Cadmium	0.9	B	0.4	U	0.5	B	0.4	U	0.040	U	P
Calcium											NR
Chromium	1.6	U	1.6	U	1.6	U	1.6	U	0.192	B	P
Cobalt											NR
Copper	4.2	B	3.7	U	3.7	U	3.7	U	0.370	U	P
Iron											NR
Lead	4.3	B	2.7	U	2.7	U	4.8	B	0.270	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	0.240	U	P
Potassium											NR
Selenium	4.5	B	4.2	U	4.2	U	4.2	U	0.420	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.177	B	P
Sodium											NR
Thallium	7.3	B	5.1	B	4.7	U	4.7	U	0.470	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21452_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.8	U	5.8	U					P
Arsenic			3.2	U	3.2	U					P
Barium			1.7	U	2.1	B					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.6	B	0.9	B					P
Calcium											NR
Chromium			1.6	U	1.6	U					P
Cobalt											NR
Copper			3.7	U	3.7	U					P
Iron											NR
Lead			2.7	U	2.9	B					P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.4	U	2.4	U					P
Potassium											NR
Selenium			4.3	B	4.2	U					P
Silver			1.4	U	1.4	U					P
Sodium											NR
Thallium			6.6	B	6.8	B					P
Vanadium											NR
Zinc			5.8	U	5.8	U					P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21452_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep. Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	17.5		5.8	U			P
Arsenic	3.2	U	5.2		3.2	B	4.5	B			P
Barium	1.7	U	1.7	U	2.1	B	1.7	U			P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U			P
Cadmium	1.0	B	0.4	U	1.1	B	0.6	B			P
Calcium											NR
Chromium	1.6	U	1.6	U	5.5	B	1.6	U			P
Cobalt											NR
Copper	4.6	B	3.7	U	5.0	B	3.7	U			P
Iron											NR
Lead	2.7	U	2.7	U	-3.0	B	2.7	U			P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel	2.4	U	2.4	U	4.5	B	2.4	U			P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U			P
Silver	3.4	B	6.6	B	4.5	B	3.6	B			P
Sodium											NR
Thallium	4.9	B	4.7	U	9.8	B	4.7	U			P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21452_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.8	U	5.8	U					P
Arsenic			3.2	U	3.6	B					P
Barium			1.7	U	1.7	U					P
Beryllium			0.3	B	0.3	U					P
Cadmium			0.5	B	0.6	B					P
Calcium											NR
Chromium			1.6	U	1.6	U					P
Cobalt											NR
Copper			3.7	U	3.7	U					P
Iron											NR
Lead			2.7	U	2.7	U					P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel			2.4	U	2.4	U					P
Potassium											NR
Selenium			4.2	U	4.2	U					P
Silver			3.8	B	4.1	B					P
Sodium											NR
Thallium			4.8	B	4.7	U					P
Vanadium											NR
Zinc			5.8	U	5.8	U					P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21452_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U					P
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium	7.0	B	4.7	U	4.7	U					NR
Vanadium											P
Zinc											NR
Molybdenu											NR
											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21515_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Arsenic	3.2	U	3.2	U	-3.6	B	-4.1	B	-0.450	B	P
Barium	4.0	B	1.7	U	1.7	U	1.7	U	0.170	U	P
Beryllium	0.5	B	0.3	U	0.3	U	0.3	U	0.030	U	P
Cadmium	1.2	B	0.7	B	0.5	B	0.7	B	0.040	U	P
Calcium											NR
Chromium	1.9	B	1.6	U	1.6	U	1.6	U	0.160	U	P
Cobalt											NR
Copper	5.7	B	3.7	U	3.7	U	3.7	U	0.370	U	P
Iron											NR
Lead	2.8	B	2.7	U	2.7	U	2.7	U	0.270	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	0.240	U	P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	0.420	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.140	U	P
Sodium											NR
Thallium	6.8	B	4.7	U	4.7	U	4.7	U	0.470	U	P
Vanadium											NR
Zinc	-7.2	B	-9.3	B	-9.4	B	-10.0	B	-0.984	B	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _X967 _____ Batch No.: 21515_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.8	U							P
Arsenic			3.2	U							P
Barium			1.7	U							P
Beryllium			0.3	U							P
Cadmium			0.6	B							P
Calcium											NR
Chromium			1.6	U							P
Cobalt											NR
Copper			3.7	U							P
Iron											NR
Lead			2.7	U							P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.4	U							P
Potassium											NR
Selenium			4.2	U							P
Silver			1.4	U							P
Sodium											NR
Thallium			4.7	U							P
Vanadium											NR
Zinc			-10.2	B							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X967 Batch No.: 21515_

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep. Blank	C	M
Aluminum											NR
Antimony	5.8	U	5.8	U	5.8	U	5.8	U			P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U			P
Barium	2.2	B	1.7	U	1.7	U	1.7	U			P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U			P
Cadmium	1.0	B	0.4	U	0.4	U	0.4	B			P
Calcium											NR
Chromium	1.6	U	1.6	U	1.6	U	1.6	U			P
Cobalt											NR
Copper	3.7	U	3.7	U	3.7	U	3.7	U			P
Iron											NR
Lead	2.9	B	2.7	U	2.7	U	2.7	U			P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U			P
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U			P
Silver	1.4	U	1.4	U	1.4	U	1.4	U			P
Sodium											NR
Thallium	4.7	U	4.7	U	4.7	U	4.7	U			P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	1000.0	1000.51	100.1	1000.0	968.80	96.9	962.98	96.3	P
Arsenic	5000.0	4986.09	99.7	5000.0	4865.67	97.3	4851.24	97.0	P
Barium	10000.0	10101.16	101.0	10000.0	9961.78	99.6	10052.41	100.5	P
Beryllium	1000.0	991.32	99.1	1000.0	970.18	97.0	971.96	97.2	P
Cadmium	2500.0	2479.83	99.2	2500.0	2431.64	97.3	2437.15	97.5	P
Calcium									NR
Chromium	5000.0	4974.27	99.5	5000.0	4884.58	97.7	4915.22	98.3	P
Cobalt									NR
Copper	12500.0	12525.97	100.2	12500.0	12391.46	99.1	12521.17	100.2	P
Iron									NR
Lead	10000.0	9977.67	99.8	10000.0	9786.94	97.9	9835.91	98.4	P
Magnesium									NR
Manganese									NR
Mercury	5.0	4.96	99.2	5.0	5.05	101.0	5.06	101.2	CV
Nickel	2500.0	2481.10	99.2	2500.0	2429.46	97.2	2441.70	97.7	P
Potassium									NR
Selenium	5000.0	4992.20	99.8	5000.0	4853.71	97.1	4847.72	97.0	P
Silver	1250.0	1256.16	100.5	1250.0	1235.53	98.8	1241.44	99.3	P
Sodium									NR
Thallium	5000.0	5030.32	100.6	5000.0	4942.77	98.9	4957.55	99.2	P
Vanadium									NR
Zinc	2500.0	2485.96	99.4	2500.0	2431.17	97.2	2440.80	97.6	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	958.68	95.9	943.08	94.3	P
Arsenic				5000.0	4823.85	96.5	4793.09	95.9	P
Barium				10000.0	10100.08	101.0	10109.21	101.1	P
Beryllium				1000.0	967.63	96.8	971.89	97.2	P
Cadmium				2500.0	2440.37	97.6	2469.69	98.8	P
Calcium									NR
Chromium				5000.0	4925.96	98.5	4968.91	99.4	P
Cobalt									NR
Copper				12500.0	12669.34	101.4	12715.64	101.7	P
Iron									NR
Lead				10000.0	9861.20	98.6	9941.82	99.4	P
Magnesium									NR
Manganese									NR
Mercury				5.0	4.89	97.8	4.59	91.8	CV
Nickel				2500.0	2443.49	97.7	2464.15	98.6	P
Potassium									NR
Selenium				5000.0	4818.20	96.4	4770.12	95.4	P
Silver				1250.0	1239.68	99.2	1240.90	99.3	P
Sodium									NR
Thallium				5000.0	4985.93	99.7	5006.76	100.1	P
Vanadium									NR
Zinc				2500.0	2450.38	98.0	2475.52	99.0	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X967 Batch No.: 21446_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	987.36	98.7	1000.0	1014.69	101.5	1018.11	101.8	P
Arsenic	5000.0	4928.47	98.6	5000.0	5040.87	100.8	5009.40	100.2	P
Barium	10000.0	10003.88	100.0	10000.0	10126.56	101.3	10135.11	101.4	P
Beryllium	1000.0	978.34	97.8	1000.0	1005.04	100.5	991.93	99.2	P
Cadmium	2500.0	2437.01	97.5	2500.0	2504.03	100.2	2466.60	98.7	P
Calcium									NR
Chromium	5000.0	4892.96	97.9	5000.0	4999.63	100.0	4926.06	98.5	P
Cobalt									NR
Copper	12500.0	12393.26	99.1	12500.0	12504.85	100.0	12484.78	99.9	P
Iron									NR
Lead	10000.0	9823.09	98.2	10000.0	10036.03	100.4	9864.16	98.6	P
Magnesium									NR
Manganese									NR
Mercury				5.0	4.79	95.8	4.91	98.2	CV
Nickel	2500.0	2449.73	98.0	2500.0	2503.90	100.2	2473.81	99.0	P
Potassium									NR
Selenium	5000.0	4977.49	99.5	5000.0	5080.53	101.6	5033.47	100.7	P
Silver	1250.0	1244.74	99.6	1250.0	1261.60	100.9	1258.25	100.7	P
Sodium									NR
Thallium	5000.0	4949.55	99.0	5000.0	5041.33	100.8	4985.79	99.7	P
Vanadium									NR
Zinc	2500.0	2438.05	97.5	2500.0	2509.32	100.4	2458.04	98.3	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	1021.82	102.2	1027.05	102.7	P
Arsenic				5000.0	5110.52	102.2	5029.39	100.6	P
Barium				10000.0	10134.75	101.3	10229.27	102.3	P
Beryllium				1000.0	1013.82	101.4	995.96	99.6	P
Cadmium				2500.0	2528.70	101.1	2471.56	98.9	P
Calcium									NR
Chromium				5000.0	5016.70	100.3	4940.58	98.8	P
Cobalt									NR
Copper				12500.0	12476.72	99.8	12567.65	100.5	P
Iron									NR
Lead				10000.0	10111.92	101.1	9938.36	99.4	P
Magnesium									NR
Manganese									NR
Mercury				5.0	4.74	94.8			CV
Nickel				2500.0	2527.88	101.1	2486.62	99.5	P
Potassium									NR
Selenium				5000.0	5131.33	102.6	5092.41	101.8	P
Silver				1250.0	1264.02	101.1	1266.05	101.3	P
Sodium									NR
Thallium				5000.0	5082.51	101.7	5020.80	100.4	P
Vanadium									NR
Zinc				2500.0	2536.88	101.5	2458.24	98.3	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	1000.0	979.50	98.0	1000.0	950.08	95.0	1008.93	100.9	P
Arsenic	5000.0	5002.01	100.0	5000.0	4835.87	96.7	4994.65	99.9	P
Barium	10000.0	10161.54	101.6	10000.0	9987.41	99.9	10332.75	103.3	P
Beryllium	1000.0	1009.50	101.0	1000.0	978.94	97.9	1015.96	101.6	P
Cadmium	2500.0	2535.89	101.4	2500.0	2430.98	97.2	2490.74	99.6	P
Calcium									NR
Chromium	5000.0	5006.28	100.1	5000.0	4877.76	97.6	5035.91	100.7	P
Cobalt									NR
Copper	12500.0	12534.88	100.3	12500.0	12356.58	98.9	12787.12	102.3	P
Iron									NR
Lead	10000.0	9959.19	99.6	10000.0	9652.00	96.5	10012.16	100.1	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.42	108.4	5.0	5.57	111.4	5.56	111.2	CV
Nickel	2500.0	2519.72	100.8	2500.0	2440.06	97.6	2496.54	99.9	P
Potassium									NR
Selenium	5000.0	4975.61	99.5	5000.0	4766.09	95.3	4984.32	99.7	P
Silver	1250.0	1267.07	101.4	1250.0	1246.06	99.7	1285.84	102.9	P
Sodium									NR
Thallium	5000.0	5069.02	101.4	5000.0	4927.76	98.6	5023.02	100.5	P
Vanadium									NR
Zinc	7500.0	7571.72	101.0	7500.0	7316.93	97.6	7564.86	100.9	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	954.46	95.4	955.83	95.6	P
Arsenic				5000.0	4939.92	98.8	4860.37	97.2	P
Barium				10000.0	9548.15	95.5	9823.38	98.2	P
Beryllium				1000.0	982.85	98.3	977.69	97.8	P
Cadmium				2500.0	2535.18	101.4	2467.32	98.7	P
Calcium									NR
Chromium				5000.0	4928.10	98.6	4898.24	98.0	P
Cobalt									NR
Copper				12500.0	11803.30	94.4	12158.57	97.3	P
Iron									NR
Lead				10000.0	10082.19	100.8	9898.11	99.0	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.69	113.8	5.48	109.6	CV
Nickel				2500.0	2504.10	100.2	2463.23	98.5	P
Potassium									NR
Selenium				5000.0	4889.07	97.8	4857.86	97.2	P
Silver				1250.0	1206.89	96.6	1231.18	98.5	P
Sodium									NR
Thallium				5000.0	5013.60	100.3	4951.02	99.0	P
Vanadium									NR
Zinc				7500.0	7835.94	104.5	7535.26	100.5	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X967 Batch No.: 21452_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	937.96	93.8			P
Arsenic				5000.0	4827.19	96.5			P
Barium				10000.0	9566.33	95.7			P
Beryllium				1000.0	963.08	96.3			P
Cadmium				2500.0	2474.25	99.0			P
Calcium									NR
Chromium				5000.0	4846.97	96.9			P
Cobalt									NR
Copper				12500.0	11835.51	94.7			P
Iron									NR
Lead				10000.0	9904.63	99.0			P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.78	115.6	5.57	111.4	CV
Nickel				2500.0	2461.64	98.5			P
Potassium									NR
Selenium				5000.0	4824.01	96.5			P
Silver				1250.0	1203.42	96.3			P
Sodium									NR
Thallium				5000.0	4945.19	98.9			P
Vanadium									NR
Zinc				7500.0	7577.03	101.0			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X967 Batch No.: 21452_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	987.73	98.8	1000.0	984.17	98.4	985.98	98.6	P
Arsenic	5000.0	4877.00	97.5	5000.0	4974.94	99.5	4891.13	97.8	P
Barium	10000.0	10106.57	101.1	10000.0	9982.17	99.8	10127.69	101.3	P
Beryllium	1000.0	994.19	99.4	1000.0	995.56	99.6	988.98	98.9	P
Cadmium	2500.0	2427.26	97.1	2500.0	2491.44	99.7	2420.06	96.8	P
Calcium									NR
Chromium	5000.0	4894.66	97.9	5000.0	4971.50	99.4	4919.81	98.4	P
Cobalt									NR
Copper	12500.0	12505.31	100.0	12500.0	12372.62	99.0	12546.03	100.4	P
Iron									NR
Lead	10000.0	9681.87	96.8	10000.0	9981.85	99.8	9725.39	97.3	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	2500.0	2422.85	96.9	2500.0	2501.19	100.0	2440.61	97.6	P
Potassium									NR
Selenium	5000.0	4874.80	97.5	5000.0	4955.75	99.1	4834.66	96.7	P
Silver	1250.0	1251.44	100.1	1250.0	1243.92	99.5	1253.37	100.3	P
Sodium									NR
Thallium	5000.0	4854.05	97.1	5000.0	5010.24	100.2	4896.18	97.9	P
Vanadium									NR
Zinc	7500.0	7256.34	96.8	7500.0	7533.87	100.5	7299.13	97.3	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X967 Batch No.: 21452_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	995.77	99.6	987.43	98.7	P
Arsenic				5000.0	4954.49	99.1	4955.94	99.1	P
Barium				10000.0	9987.10	99.9	10125.10	101.3	P
Beryllium				1000.0	999.92	100.0	999.73	100.0	P
Cadmium				2500.0	2488.16	99.5	2477.43	99.1	P
Calcium									NR
Chromium				5000.0	4979.61	99.6	4975.43	99.5	P
Cobalt									NR
Copper				12500.0	12375.75	99.0	12593.20	100.7	P
Iron									NR
Lead				10000.0	10009.69	100.1	9900.07	99.0	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel				2500.0	2480.22	99.2	2496.51	99.9	P
Potassium									NR
Selenium				5000.0	4936.93	98.7	4930.16	98.6	P
Silver				1250.0	1245.21	99.6	1256.33	100.5	P
Sodium									NR
Thallium				5000.0	4963.97	99.3	4990.30	99.8	P
Vanadium									NR
Zinc				7500.0	7574.69	101.0	7453.02	99.4	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X967 Batch No.: 21452_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	979.00	97.9			P
Arsenic				5000.0	4907.01	98.1			P
Barium				10000.0	10065.84	100.7			P
Beryllium				1000.0	993.52	99.4			P
Cadmium				2500.0	2452.97	98.1			P
Calcium									NR
Chromium				5000.0	4935.12	98.7			P
Cobalt									NR
Copper				12500.0	12507.54	100.1			P
Iron									NR
Lead				10000.0	9821.54	98.2			P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel				2500.0	2463.40	98.5			P
Potassium									NR
Selenium				5000.0	4882.17	97.6			P
Silver				1250.0	1250.83	100.1			P
Sodium									NR
Thallium				5000.0	4934.15	98.7			P
Vanadium									NR
Zinc				7500.0	7395.92	98.6			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	974.63	97.5	1000.0	975.29	97.5	967.11	96.7	P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium	5000.0	4904.60	98.1	5000.0	4867.64	97.4	4813.18	96.3	P
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	1000.0	970.36	97.0	1000.0	978.22	97.8	964.87	96.5	P
Arsenic	5000.0	4884.90	97.7	5000.0	4870.60	97.4	4790.74	95.8	P
Barium	10000.0	9916.40	99.2	10000.0	9889.38	98.9	9815.17	98.2	P
Beryllium	1000.0	991.39	99.1	1000.0	1001.06	100.1	976.19	97.6	P
Cadmium	2500.0	2454.14	98.2	2500.0	2459.27	98.4	2398.64	95.9	P
Calcium									NR
Chromium	5000.0	4902.18	98.0	5000.0	4963.87	99.3	4876.22	97.5	P
Cobalt									NR
Copper	12500.0	12323.57	98.6	12500.0	12251.27	98.0	12166.70	97.3	P
Iron									NR
Lead	10000.0	9713.66	97.1	10000.0	9890.13	98.9	9758.77	97.6	P
Magnesium									NR
Manganese									NR
Mercury	5.0	4.94	98.8	5.0	5.19	103.8	5.29	105.8	CV
Nickel	2500.0	2448.49	97.9	2500.0	2459.47	98.4	2419.86	96.8	P
Potassium									NR
Selenium	5000.0	4868.18	97.4	5000.0	4858.99	97.2	4799.54	96.0	P
Silver	1250.0	1239.23	99.1	1250.0	1240.86	99.3	1227.19	98.2	P
Sodium									NR
Thallium	5000.0	4903.46	98.1	5000.0	4903.07	98.1	4840.59	96.8	P
Vanadium									NR
Zinc	7500.0	7460.01	99.5	7500.0	7599.94	101.3	7429.46	99.1	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	965.20	96.5	960.33	96.0	P
Arsenic				5000.0	4790.38	95.8	4840.64	96.8	P
Barium				10000.0	9945.91	99.5	9842.17	98.4	P
Beryllium				1000.0	968.12	96.8	978.12	97.8	P
Cadmium				2500.0	2390.74	95.6	2438.14	97.5	P
Calcium									NR
Chromium				5000.0	4879.56	97.6	4910.84	98.2	P
Cobalt									NR
Copper				12500.0	12341.79	98.7	12194.76	97.6	P
Iron									NR
Lead				10000.0	9757.46	97.6	9814.86	98.1	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.22	104.4	5.33	106.6	CV
Nickel				2500.0	2423.26	96.9	2459.04	98.4	P
Potassium									NR
Selenium				5000.0	4794.12	95.9	4820.43	96.4	P
Silver				1250.0	1233.31	98.7	1229.26	98.3	P
Sodium									NR
Thallium				5000.0	4874.03	97.5	4905.74	98.1	P
Vanadium									NR
Zinc				7500.0	7336.02	97.8	7491.55	99.9	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: X967 Batch No.: 21515_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	1004.55	100.5	1000.0	1000.18	100.0	980.35	98.0	P
Arsenic	5000.0	4998.66	100.0	5000.0	5006.34	100.1	4986.64	99.7	P
Barium	10000.0	9961.03	99.6	10000.0	9948.39	99.5	9803.23	98.0	P
Beryllium	1000.0	1003.70	100.4	1000.0	996.56	99.7	989.52	99.0	P
Cadmium	2500.0	2521.88	100.9	2500.0	2493.00	99.7	2496.95	99.9	P
Calcium									NR
Chromium	5000.0	4986.94	99.7	5000.0	4976.84	99.5	4953.18	99.1	P
Cobalt									NR
Copper	12500.0	12344.64	98.8	12500.0	12370.61	99.0	12190.97	97.5	P
Iron									NR
Lead	10000.0	9982.94	99.8	10000.0	9988.96	99.9	9945.97	99.5	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.32	106.4	5.16	103.2	CV
Nickel	2500.0	2488.48	99.5	2500.0	2484.70	99.4	2489.32	99.6	P
Potassium									NR
Selenium	5000.0	4994.92	99.9	5000.0	4984.84	99.7	4977.98	99.6	P
Silver	1250.0	1247.97	99.8	1250.0	1245.66	99.7	1223.69	97.9	P
Sodium									NR
Thallium	5000.0	4982.99	99.7	5000.0	4979.78	99.6	4980.38	99.6	P
Vanadium									NR
Zinc	7500.0	7606.59	101.4	7500.0	7585.66	101.1	7616.89	101.6	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	1010.26	101.0			P
Arsenic				5000.0	5040.01	100.8			P
Barium				10000.0	9983.02	99.8			P
Beryllium				1000.0	1008.08	100.8			P
Cadmium				2500.0	2512.09	100.5			P
Calcium									NR
Chromium				5000.0	5018.82	100.4			P
Cobalt									NR
Copper				12500.0	12392.73	99.1			P
Iron									NR
Lead				10000.0	10045.21	100.5			P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.33	106.6	5.18	103.6	CV
Nickel				2500.0	2494.47	99.8			P
Potassium									NR
Selenium				5000.0	5006.25	100.1			P
Silver				1250.0	1244.73	99.6			P
Sodium									NR
Thallium				5000.0	4993.76	99.9			P
Vanadium									NR
Zinc				7500.0	7711.48	102.8			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.30	106.0			CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	479751	483502.2	96.7	490754	492280.6	98.5
Antimony		100		101.1	101.1		95.5	95.5
Arsenic		100		99.3	99.3		96.6	96.6
Barium		100		104.8	104.8		106.0	106.0
Beryllium		100		97.3	97.3		97.1	97.1
Cadmium		100		97.7	97.7		100.1	100.1
Calcium	500000	500000	460140	463178.1	92.6	460211	465551.9	93.1
Chromium		100		97.7	97.7		98.3	98.3
Cobalt		100		94.7	94.7		95.8	95.8
Copper		100		107.2	107.2		110.4	110.4
Iron	200000	200000	191004	192928.9	96.5	189823	191898.0	95.9
Lead		100		92.3	92.3		89.6	89.6
Magnesium	500000	500000	516629	521313.9	104.3	535975	538862.6	107.8
Manganese		100		96.1	96.1		100.2	100.2
Mercury								
Nickel		100		97.8	97.8		100.0	100.0
Potassium		10000		10167.1	101.7		10111.6	101.1
Selenium		100		95.7	95.7		100.1	100.1
Silver		100		103.4	103.4		103.5	103.5
Sodium		10000		9982.8	99.8		9995.4	100.0
Thallium		100		97.8	97.8		91.9	91.9
Vanadium		100		96.5	96.5		99.7	99.7
Zinc		100		96.6	96.6		96.9	96.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	480157	482923.9	96.6	499309	488418.0	97.7
Antimony		100		100.3	100.3		101.4	101.4
Arsenic		100		100.2	100.2		96.3	96.3
Barium		100		104.2	104.2		106.8	106.8
Beryllium		100		99.2	99.2		100.0	100.0
Cadmium		100		100.0	100.0		100.6	100.6
Calcium	500000	500000	457053	465899.0	93.2	478135	468788.1	93.8
Chromium		100		97.9	97.9		98.4	98.4
Cobalt		100		95.7	95.7		95.6	95.6
Copper		100		105.8	105.8		106.4	106.4
Iron	200000	200000	192207	196216.5	98.1	201764	198248.8	99.1
Lead		100		98.9	98.9		98.3	98.3
Magnesium	500000	500000	513225	516462.6	103.3	533068	520833.6	104.2
Manganese		100		96.9	96.9		97.1	97.1
Mercury								
Nickel		100		99.0	99.0		99.1	99.1
Potassium		10000		10440.7	104.4		10676.6	106.8
Selenium		100		101.9	101.9		97.4	97.4
Silver		100		103.9	103.9		104.7	104.7
Sodium		10000		10294.7	102.9		10401.0	104.0
Thallium		100		95.2	95.2		92.3	92.3
Vanadium		100		97.0	97.0		96.9	96.9
Zinc		100		98.2	98.2		99.4	99.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X967 Batch No.: 21452_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	525482	506625.5	101.3	492720	495413.7	99.1
Antimony		100		96.6	96.6		93.1	93.1
Arsenic		100		96.5	96.5		91.3	91.3
Barium		100		103.7	103.7		101.3	101.3
Beryllium		100		99.2	99.2		97.2	97.2
Cadmium		100		87.9	87.9		93.2	93.2
Calcium	500000	500000	515865	498805.3	99.8	484823	489832.4	98.0
Chromium		100		99.7	99.7		97.8	97.8
Cobalt		100		94.8	94.8		93.4	93.4
Copper		100		102.7	102.7		100.3	100.3
Iron	200000	200000	210363	202868.8	101.4	197100	199259.0	99.6
Lead		100		97.6	97.6		93.0	93.0
Magnesium	500000	500000	551257	529101.6	105.8	517033	520017.1	104.0
Manganese		100		98.4	98.4		96.2	96.2
Mercury								
Nickel		100		99.0	99.0		98.6	98.6
Potassium		10000		9620.2	96.2		9314.1	93.1
Selenium		100		111.1	111.1		98.9	98.9
Silver		100		102.7	102.7		100.9	100.9
Sodium		10000		10390.3	103.9		10344.4	103.4
Thallium		100		100.0	100.0		99.9	99.9
Vanadium		100		98.4	98.4		96.2	96.2
Zinc		100		104.7	104.7		103.4	103.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000				484022	492687.9	98.5
Antimony		100					94.2	94.2
Arsenic		100					96.5	96.5
Barium		100					97.3	97.3
Beryllium		100					96.4	96.4
Cadmium		100					95.6	95.6
Calcium	500000	500000				487429	498386.6	99.7
Chromium		100					98.2	98.2
Cobalt		100					95.1	95.1
Copper		100					95.2	95.2
Iron	200000	200000				195623	199938.1	100.0
Lead		100					95.6	95.6
Magnesium	500000	500000				515922	526076.4	105.2
Manganese		100					94.8	94.8
Mercury								
Nickel		100					99.1	99.1
Potassium		10000					10571.0	105.7
Selenium		100					98.2	98.2
Silver		100					97.4	97.4
Sodium		10000					10191.4	101.9
Thallium		100					92.6	92.6
Vanadium		100					96.2	96.2
Zinc		100					107.4	107.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X967 Batch No.: 21452_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	488108	513346.6	102.7	500202	509598.2	101.9
Antimony		100		86.5	86.5		91.2	91.2
Arsenic		100		99.3	99.3		100.5	100.5
Barium		100		106.0	106.0		101.2	101.2
Beryllium		100		100.7	100.7		100.0	100.0
Cadmium		100		95.6	95.6		97.9	97.9
Calcium	500000	500000	483029	504321.1	100.9	503405	513974.7	102.8
Chromium		100		100.3	100.3		102.0	102.0
Cobalt		100		96.1	96.1		98.0	98.0
Copper		100		105.5	105.5		100.3	100.3
Iron	200000	200000	195822	204652.0	102.3	201417	206240.2	103.1
Lead		100		94.4	94.4		95.5	95.5
Magnesium	500000	500000	511153	532208.0	106.4	532974	543968.2	108.8
Manganese		100		99.4	99.4		98.3	98.3
Mercury								
Nickel		100		98.5	98.5		102.5	102.5
Potassium		10000		8916.0	89.2		9992.1	99.9
Selenium		100		97.2	97.2		99.7	99.7
Silver		100		106.7	106.7		103.9	103.9
Sodium		10000		11263.8	112.6		11218.0	112.2
Thallium		100		90.0	90.0		95.6	95.6
Vanadium		100		103.2	103.2		102.8	102.8
Zinc		100		102.4	102.4		107.3	107.3

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000				494611	510599.9	102.1
Antimony		100					89.6	89.6
Arsenic		100					97.1	97.1
Barium		100					102.9	102.9
Beryllium		100					100.6	100.6
Cadmium		100					96.3	96.3
Calcium	500000	500000				491838	510431.9	102.1
Chromium		100					101.2	101.2
Cobalt		100					97.5	97.5
Copper		100					102.5	102.5
Iron	200000	200000				198945	205746.8	102.9
Lead		100					93.8	93.8
Magnesium	500000	500000				523307	539894.1	108.0
Manganese		100					98.4	98.4
Mercury								
Nickel		100					99.7	99.7
Potassium		10000					9677.9	96.8
Selenium		100					94.8	94.8
Silver		100					105.2	105.2
Sodium		10000					11268.1	112.7
Thallium		100					95.7	95.7
Vanadium		100					104.1	104.1
Zinc		100					104.1	104.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	482879	503763.1	100.8	491420	501265.8	100.3
Antimony		100		84.2	84.2		91.8	91.8
Arsenic		100		97.8	97.8		91.3	91.3
Barium		100		104.9	104.9		103.4	103.4
Beryllium		100		98.9	98.9		97.3	97.3
Cadmium		100		94.5	94.5		93.2	93.2
Calcium	500000	500000	472602	494907.1	99.0	483580	493020.0	98.6
Chromium		100		98.8	98.8		97.9	97.9
Cobalt		100		93.5	93.5		92.6	92.6
Copper		100		103.6	103.6		101.5	101.5
Iron	200000	200000	191100	200104.7	100.1	194699	198625.2	99.3
Lead		100		89.1	89.1		87.0	87.0
Magnesium	500000	500000	497996	519948.4	104.0	505629	515437.8	103.1
Manganese		100		97.7	97.7		96.6	96.6
Mercury								
Nickel		100		97.1	97.1		96.9	96.9
Potassium		10000		9189.3	91.9		9197.9	92.0
Selenium		100		96.8	96.8		91.3	91.3
Silver		100		103.4	103.4		102.1	102.1
Sodium		10000		10502.9	105.0		10539.5	105.4
Thallium		100		86.4	86.4		90.6	90.6
Vanadium		100		98.9	98.9		97.9	97.9
Zinc		100		100.3	100.3		98.4	98.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X967 Batch No.: 21515_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	481026	501750.5	100.4	480957	492589.5	98.5
Antimony		100		109.4	109.4		98.2	98.2
Arsenic		100		97.4	97.4		92.1	92.1
Barium		100		107.4	107.4		102.5	102.5
Beryllium		100		102.4	102.4		96.9	96.9
Cadmium		100		96.0	96.0		91.7	91.7
Calcium	500000	500000	483446	503813.1	100.8	479445	489402.7	97.9
Chromium		100		103.1	103.1		99.9	99.9
Cobalt		100		99.5	99.5		97.2	97.2
Copper		100		110.1	110.1		103.5	103.5
Iron	200000	200000	198921	207535.6	103.8	195547	199806.2	99.9
Lead		100		95.7	95.7		97.3	97.3
Magnesium	500000	500000	532502	557216.4	111.4	523643	534074.2	106.8
Manganese		100		102.2	102.2		98.0	98.0
Mercury								
Nickel		100		102.6	102.6		100.5	100.5
Potassium		10000		11123.0	111.2		11273.7	112.7
Selenium		100		107.8	107.8		99.0	99.0
Silver		100		106.8	106.8		102.8	102.8
Sodium		10000		11123.0	111.2		11089.3	110.9
Thallium		100		99.0	99.0		94.2	94.2
Vanadium		100		101.7	101.7		98.4	98.4
Zinc		100		103.8	103.8		96.7	96.7

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X967 Batch No.: 21515_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	494219	482985.2	96.6	482343	491566.6	98.3
Antimony		100		91.8	91.8		95.0	95.0
Arsenic		100		99.1	99.1		93.9	93.9
Barium		100		100.8	100.8		103.1	103.1
Beryllium		100		98.1	98.1		99.6	99.6
Cadmium		100		91.8	91.8		92.6	92.6
Calcium	500000	500000	488838	488061.8	97.6	493309	494735.8	98.9
Chromium		100		99.5	99.5		100.8	100.8
Cobalt		100		96.5	96.5		98.1	98.1
Copper		100		102.2	102.2		105.3	105.3
Iron	200000	200000	201819	200674.5	100.3	202715	203942.1	102.0
Lead		100		101.0	101.0		101.9	101.9
Magnesium	500000	500000	541771	533154.4	106.6	540578	544261.2	108.9
Manganese		100		97.8	97.8		99.5	99.5
Mercury								
Nickel		100		101.3	101.3		101.7	101.7
Potassium		10000		10582.0	105.8		10751.6	107.5
Selenium		100		101.9	101.9		99.4	99.4
Silver		100		101.8	101.8		103.0	103.0
Sodium		10000		10537.8	105.4		10851.1	108.5
Thallium		100		88.7	88.7		88.9	88.9
Vanadium		100		98.3	98.3		98.7	98.7
Zinc		100		108.9	108.9		110.6	110.6

Spike Sample Recovery Summary

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS100906

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	101.2662		0.4900	U	100.00	101.3		P
Arsenic	75-125	401.9070		0.4500	U	400.00	100.5		P
Barium	75-125	409.3632		0.1300	U	400.00	102.3		P
Beryllium	75-125	10.0514		0.0100	U	10.00	100.5		P
Cadmium	75-125	10.4172		0.0500	U	10.00	104.2		P
Calcium									NR
Chromium	75-125	39.9164		0.2800	U	40.00	99.8		P
Cobalt									NR
Copper	75-125	49.2614		0.3100	U	50.00	98.5		P
Iron									NR
Lead	75-125	102.3188		0.2200	U	100.00	102.3		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1542		0.0167	U	0.17	90.7		CV
Nickel	75-125	99.7408		0.3900	U	100.00	99.7		P
Potassium									NR
Selenium	75-125	403.0104		0.4800	U	400.00	100.8		P
Silver	75-125	9.6742		0.1200	U	10.00	96.7		P
Sodium									NR
Thallium	75-125	411.9588		0.4800	U	400.00	103.0		P
Vanadium									NR
Zinc	75-125	97.6042		0.5800	U	100.00	97.6		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775591MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	54.5353		1.0853	U	110.74	49.2	N	P
Arsenic	75-125	359.9965		3.6416		442.97	80.4		P
Barium	75-125	429.5274		71.3256		442.97	80.9		P
Beryllium	75-125	9.5048		0.5743		11.07	80.7		P
Cadmium	75-125	9.5674		0.2089	B	11.07	84.5		P
Calcium									NR
Chromium	75-125	103.3832		85.4946		44.30	40.4	N	P
Cobalt									NR
Copper	75-125	146.6695		115.6162		55.37	56.1	N	P
Iron									NR
Lead	75-125	97.7123		6.5274		110.74	82.3		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1835		0.0185	U	0.18	101.9		CV
Nickel	75-125	464.5147		410.9714		110.74	48.4	N	P
Potassium									NR
Selenium	75-125	352.2780		1.0631	U	442.97	79.5		P
Silver	75-125	8.4370		0.2658	U	11.07	76.2		P
Sodium									NR
Thallium	75-125	367.0749		1.0631	U	442.97	82.9		P
Vanadium									NR
Zinc	75-125	126.6348		43.2182		110.74	75.3		P
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS101006

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	49.2949		0.7460	B	50.00	97.1		P
Arsenic	75-125	195.8896		0.3200	U	200.00	97.9		P
Barium	75-125	180.6874		0.1700	U	200.00	90.3		P
Beryllium	75-125	4.7585		0.0300	U	5.00	95.2		P
Cadmium	75-125	5.0726		0.0400	U	5.00	101.5		P
Calcium									NR
Chromium	75-125	19.2575		0.1922	B	20.00	95.3		P
Cobalt									NR
Copper	75-125	22.7865		0.3700	U	25.00	91.1		P
Iron									NR
Lead	75-125	50.5188		0.2700	U	50.00	101.0		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1683		0.0167	U	0.17	99.0		CV
Nickel	75-125	48.1702		0.2400	U	50.00	96.3		P
Potassium									NR
Selenium	75-125	195.1479		0.4200	U	200.00	97.6		P
Silver	75-125	4.5843		0.1767	B	5.00	88.2		P
Sodium									NR
Thallium	75-125	199.2638		0.4700	U	200.00	99.6		P
Vanadium									NR
Zinc	75-125	49.9711		0.5800	U	50.00	99.9		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775600MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	37.2031		1.2903	U	55.62	66.9	N	P
Arsenic	75-125	214.8872		1.1103	B	222.47	96.1		P
Barium	75-125	242.4899		28.9486	B	222.47	96.0		P
Beryllium	75-125	5.8040		0.4687		5.56	96.0		P
Cadmium	75-125	5.5575		0.0890	U	5.56	100.0		P
Calcium									NR
Chromium	75-125	48.7110		24.9219		22.25	106.9		P
Cobalt									NR
Copper	75-125	48.3653		19.2585		27.81	104.7		P
Iron									NR
Lead	75-125	60.7428		6.6053		55.62	97.3		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1910		0.0185	U	0.19	100.5		CV
Nickel	75-125	143.3669		83.4394		55.62	107.7		P
Potassium									NR
Selenium	75-125	213.2118		0.9344	U	222.47	95.8		P
Silver	75-125	5.5477		0.3115	U	5.56	99.8		P
Sodium									NR
Thallium	75-125	216.1744		1.0456	U	222.47	97.2		P
Vanadium									NR
Zinc	75-125	91.0078		39.0394		55.62	93.4		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS101806

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	49.3779		0.5800	U	50.00	98.8		P
Arsenic	75-125	196.7233		0.3200	U	200.00	98.4		P
Barium	75-125	205.1306		0.1700	U	200.00	102.6		P
Beryllium	75-125	5.1942		0.0300	U	5.00	103.9		P
Cadmium	75-125	5.1372		0.0400	U	5.00	102.7		P
Calcium									NR
Chromium	75-125	20.5593		0.1600	U	20.00	102.8		P
Cobalt									NR
Copper	75-125	25.0736		0.3700	U	25.00	100.3		P
Iron									NR
Lead	75-125	50.2758		0.2700	U	50.00	100.6		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1750		0.0167	U	0.17	102.9		CV
Nickel	75-125	50.7987		0.2400	U	50.00	101.6		P
Potassium									NR
Selenium	75-125	193.7404		0.4200	U	200.00	96.9		P
Silver	75-125	5.0048		0.1400	U	5.00	100.1		P
Sodium									NR
Thallium	75-125	202.7910		0.4700	U	200.00	101.4		P
Vanadium									NR
Zinc	75-125	51.6499		0.5800	U	50.00	103.3		P
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

778405MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 53.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	25.5343		2.1642	U	93.28	27.4	N	P
Arsenic	75-125	324.2597		10.2813		373.13	84.1		P
Barium	75-125	396.7287		82.8213		373.13	84.1		P
Beryllium	75-125	8.7052		0.7198	B	9.33	85.6		P
Cadmium	75-125	8.9071		1.0851	B	9.33	83.8		P
Calcium									NR
Chromium	75-125	122.4716		98.5463		37.31	64.1	N	P
Cobalt									NR
Copper	75-125	146.8724		115.9672		46.64	66.3	N	P
Iron									NR
Lead	75-125	182.3198		116.2649		93.28	70.8	N	P
Magnesium									NR
Manganese									NR
Mercury		2.0243		1.8470		0.31	57.2		CV
Nickel	75-125	113.5981		37.0608		93.28	82.1		P
Potassium									NR
Selenium	75-125	313.7220		1.5672	U	373.13	84.1		P
Silver	75-125	11.9646		4.5951		9.33	79.0		P
Sodium									NR
Thallium	75-125	317.6519		1.7537	U	373.13	85.1		P
Vanadium									NR
Zinc	75-125	267.4813		201.7575		93.28	70.5	N	P
Molybdenu									NR

Comments:

Sample and MS Duplicate Results Summary

LAB SAMPLE NO.

DUPLICATES

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __X967 Batch No.: 21446_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		54.8300		53.6496		2.2		P
Arsenic		70.8264		69.9034		1.3		P
Barium		144.7880		143.9840		0.6		P
Beryllium		128.6654		125.2544		2.7		P
Cadmium		209.0826		203.0984		2.9		P
Calcium								NR
Chromium		57.7788		56.5042		2.2		P
Cobalt								NR
Copper		117.7864		114.6282		2.7		P
Iron								NR
Lead		68.4776		67.6330		1.2		P
Magnesium								NR
Manganese								NR
Mercury		3.1250		3.5167		11.8		CV
Nickel		46.6422		45.4818		2.5		P
Potassium								NR
Selenium		74.2358		72.6346		2.2		P
Silver		70.6436		69.7546		1.3		P
Sodium								NR
Thallium		147.3248		140.5484		4.7		P
Vanadium								NR
Zinc		104.1090		100.6308		3.4		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

775591D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21446

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.3 % Solids for Duplicate: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.0853	U	1.0853	U			P
Arsenic		3.6416		3.3227		9.2		P
Barium	22.1	71.3256		73.6476		3.2		P
Beryllium	0.2	0.5743		0.5812		1.2		P
Cadmium		0.2089	B	0.2044	B	2.2		P
Calcium								NR
Chromium		85.4946		76.2795		11.4		P
Cobalt								NR
Copper		115.6162		98.1741		16.3		P
Iron								NR
Lead		6.5274		5.9362		9.5		P
Magnesium								NR
Manganese								NR
Mercury		0.0185	U	0.0185	U			CV
Nickel		410.9714		367.7017		11.1		P
Potassium								NR
Selenium		1.0631	U	1.0631	U			P
Silver		0.2658	U	0.2658	U			P
Sodium								NR
Thallium		1.0631	U	1.0631	U			P
Vanadium								NR
Zinc		43.2182		42.1976		2.4		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		69.9140		72.0548		3.0		P
Arsenic		73.0050		74.1138		1.5		P
Barium		142.0988		145.3510		2.3		P
Beryllium		130.5216		134.4280		2.9		P
Cadmium		216.0442		223.1454		3.2		P
Calcium								NR
Chromium		57.8510		59.3640		2.6		P
Cobalt								NR
Copper		118.7386		123.4780		3.9		P
Iron								NR
Lead		71.0272		73.0604		2.8		P
Magnesium								NR
Manganese								NR
Mercury		3.3500		3.7417		11.0		CV
Nickel		47.7670		49.1114		2.8		P
Potassium								NR
Selenium		77.0572		79.2832		2.8		P
Silver		73.5024		74.9146		1.9		P
Sodium								NR
Thallium		147.9022		151.3066		2.3		P
Vanadium								NR
Zinc		109.7612		112.5482		2.5		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

775600D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.9 % Solids for Duplicate: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.2903	U	1.2903	U			P
Arsenic	0.6	1.1103	B	0.8761	B	23.6		P
Barium	22.2	28.9486	B	28.7860	B	0.6		P
Beryllium	0.2	0.4687		0.4832		3.0		P
Cadmium		0.0890	U	0.0890	U			P
Calcium								NR
Chromium		24.9219		24.2260		2.8		P
Cobalt								NR
Copper		19.2585		18.6498		3.2		P
Iron								NR
Lead		6.6053		6.3266		4.3		P
Magnesium								NR
Manganese								NR
Mercury		0.0185	U	0.0185	U			CV
Nickel		83.4394		79.1497		5.3		P
Potassium								NR
Selenium		0.9344	U	0.9344	U			P
Silver		0.3115	U	0.3635	B	200.0		P
Sodium								NR
Thallium		1.0456	U	1.0456	U			P
Vanadium								NR
Zinc		39.0394		35.1927		10.4		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		47.9040		48.2996		0.8		P
Arsenic		71.2918		72.3412		1.5		P
Barium		142.9830		149.4356		4.4		P
Beryllium		132.4088		134.8648		1.8		P
Cadmium		211.7996		215.5782		1.8		P
Calcium								NR
Chromium		56.3548		56.7986		0.8		P
Cobalt								NR
Copper		118.3682		120.8930		2.1		P
Iron								NR
Lead		70.9794		72.7064		2.4		P
Magnesium								NR
Manganese								NR
Mercury		3.3917		3.5833		5.5		CV
Nickel		46.5732		47.1734		1.3		P
Potassium								NR
Selenium		76.6644		78.4680		2.3		P
Silver		73.6450		74.5350		1.2		P
Sodium								NR
Thallium		144.5468		144.2876		0.2		P
Vanadium								NR
Zinc		108.8696		109.5406		0.6		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

778405D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 53.6 % Solids for Duplicate: 53.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		2.1642	U	2.1642	U			P
Arsenic		10.2813		8.9362		14.0		P
Barium	37.3	82.8213		77.1754		7.1		P
Beryllium	0.4	0.7198	B	0.7787		7.9		P
Cadmium	0.9	1.0851	B	1.1224	B	3.4		P
Calcium								NR
Chromium		98.5463		94.4679		4.2		P
Cobalt								NR
Copper		115.9672		113.2757		2.3		P
Iron								NR
Lead		116.2649		111.9299		3.8		P
Magnesium								NR
Manganese								NR
Mercury		1.8470		1.6387		12.0		CV
Nickel	7.5	37.0608		34.9418		5.9		P
Potassium								NR
Selenium		1.5672	U	1.5672	U			P
Silver	1.9	4.5951		4.5526		0.9		P
Sodium								NR
Thallium		1.7537	U	1.7537	U			P
Vanadium								NR
Zinc		201.7575		193.6403		4.1		P
Molybdenu								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __X967 Batch No.: 21446_

Solid LCS Source: ERA D048____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				77.5	54.8		3.9	173.0	70.7
Arsenic				80.9	70.8		64.5	97.3	87.5
Barium				156.0	144.8		128.0	184.0	92.8
Beryllium				143.0	128.7		117.0	169.0	90.0
Cadmium				233.0	209.1		188.0	277.0	89.7
Calcium									
Chromium				60.8	57.8		47.7	73.8	95.1
Cobalt									
Copper				131.0	117.8		108.0	154.0	89.9
Iron									
Lead				76.8	68.5		61.9	91.8	89.2
Magnesium									
Manganese									
Mercury				3.6	3.1		2.4	4.8	86.1
Nickel				49.6	46.6		40.4	58.8	94.0
Potassium									
Selenium				82.9	74.2		62.6	103.0	89.5
Silver				80.0	70.6		49.0	111.0	88.2
Sodium									
Thallium				158.0	147.3		119.0	197.0	93.2
Vanadium									
Zinc				116.0	104.1		90.5	141.0	89.7
Molybdenu									

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				77.5	69.9		0.1	173.0	90.2
Arsenic				80.9	73.0		64.5	97.3	90.2
Barium				156.0	142.1		128.0	184.0	91.1
Beryllium				143.0	130.5		117.0	169.0	91.3
Cadmium				233.0	216.0		188.0	277.0	92.7
Calcium									
Chromium				60.8	57.9		47.7	73.8	95.2
Cobalt									
Copper				131.0	118.7		108.0	154.0	90.6
Iron									
Lead				76.8	71.0		61.9	91.8	92.4
Magnesium									
Manganese									
Mercury				3.6	3.4		2.4	4.8	94.4
Nickel				49.6	47.8		40.4	58.8	96.4
Potassium									
Selenium				82.9	77.1		62.6	103.0	93.0
Silver				80.0	73.5		49.0	111.0	91.9
Sodium									
Thallium				158.0	147.9		119.0	197.0	93.6
Vanadium									
Zinc				116.0	109.8		90.5	141.0	94.7
Molybdenu									

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __X967 Batch No.: 21515_

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				77.5	47.9		0.1	173.0	61.8
Arsenic				80.9	71.3		64.5	97.3	88.1
Barium				156.0	143.0		128.0	184.0	91.7
Beryllium				143.0	132.4		117.0	169.0	92.6
Cadmium				233.0	211.8		188.0	277.0	90.9
Calcium									
Chromium				60.8	56.4		47.7	73.8	92.8
Cobalt									
Copper				131.0	118.4		108.0	154.0	90.4
Iron									
Lead				76.8	71.0		61.9	91.8	92.4
Magnesium									
Manganese									
Mercury				3.6	3.4		2.4	4.8	94.4
Nickel				49.6	46.6		40.4	58.8	94.0
Potassium									
Selenium				82.9	76.7		62.6	103.0	92.5
Silver				80.0	73.6		49.0	111.0	92.0
Sodium									
Thallium				158.0	144.5		119.0	197.0	91.5
Vanadium									
Zinc				116.0	108.9		90.5	141.0	93.9
Molybdenu									

Serial Dilution Summary

LAB SAMPLE NO.

ICP SERIAL DILUTION

775591L

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _X967 Batch No.: 21446_

Matrix (soil/water): SOIL_ Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	4.90	U	24.50	U			P
Arsenic	16.44		22.50	U	100.0		P
Barium	322.04		338.68	B	5.2		P
Beryllium	2.59		2.60	B	0.4		P
Cadmium	0.94	B	2.50	U	100.0		P
Calcium							NR
Chromium	386.01		407.32		5.5		P
Cobalt							NR
Copper	522.01		548.90		5.2		P
Iron							NR
Lead	29.47		24.42	B	17.1		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	1855.54		1963.14		5.8		P
Potassium							NR
Selenium	4.80	U	24.00	U			P
Silver	1.20	U	6.00	U			P
Sodium							NR
Thallium	4.80	U	24.00	U			P
Vanadium							NR
Zinc	195.13		224.51		15.1		P

LAB SAMPLE NO.

ICP SERIAL DILUTION

775600L

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21452

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	5.80	U	29.00	U			P
Arsenic	4.99	B	16.00	U	100.0		P
Barium	130.12	B	140.54	B	8.0		P
Beryllium	2.11		2.55	B	20.9		P
Cadmium	0.40	U	2.00	U			P
Calcium							NR
Chromium	112.02		118.96		6.2		P
Cobalt							NR
Copper	86.57		92.76	B	7.2		P
Iron							NR
Lead	29.69		15.82	B	46.7		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	375.06		388.64		3.6		P
Potassium							NR
Selenium	4.20	U	21.00	U			P
Silver	1.40	U	7.00	U			P
Sodium							NR
Thallium	4.70	U	23.50	U			P
Vanadium							NR
Zinc	175.48		170.02		3.1		P

LAB SAMPLE NO.

ICP SERIAL DILUTION

778405L

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: X967 Batch No.: 21515

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	5.80	U	29.00	U			P
Arsenic	27.55		16.00	U	100.0		P
Barium	221.96		230.62	B	3.9		P
Beryllium	1.93	B	1.50	U	100.0		P
Cadmium	2.91	B	2.94	B	1.0		P
Calcium							NR
Chromium	264.10		280.88		6.4		P
Cobalt							NR
Copper	310.79		319.48		2.8		P
Iron							NR
Lead	311.59		327.14		5.0		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	99.32		104.36	B	5.1		P
Potassium							NR
Selenium	4.20	U	21.00	U			P
Silver	12.32		12.84	B	4.2		P
Sodium							NR
Thallium	4.70	U	23.50	U			P
Vanadium							NR
Zinc	540.71		547.19		1.2		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/09/06 End Date: 10/09/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1330																X									
STD02	1.00	1332																X									
STD03	1.00	1335																X									
STD04	1.00	1336																X									
STD05	1.00	1338																X									
STD06	1.00	1340																X									
ICV/ACCV	1.00	1342																X									
ICB/CCB	1.00	1343																X									
ZZZZZZ	1.00	1345																									
ZZZZZZ	1.00	1347																									
ZZZZZZ	5.00	1348																									
ZZZZZZ	5.00	1350																									
ZZZZZZ	1.00	1353																									
ZZZZZZ	1.00	1354																									
ZZZZZZ	1.00	1356																									
ZZZZZZ	1.00	1358																									
CCV	1.00	1400																X									
CCB	1.00	1402																X									
ZZZZZZ	1.00	1403																									
ZZZZZZ	1.00	1405																									
ZZZZZZ	1.00	1407																									
ZZZZZZ	1.00	1409																									
ZZZZZZ	1.00	1411																									
ZZZZZZ	1.00	1412																									
ZZZZZZ	1.00	1414																									
ZZZZZZ	1.00	1416																									
CCV	1.00	1418																X									
CCB	1.00	1420																X									
ZZZZZZ	1.00	1422																									
ZZZZZZ	1.00	1423																									
ZZZZZZ	1.00	1425																									
ZZZZZZ	1.00	1427																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/09/06 End Date: 10/09/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1428																												
ZZZZZZ	1.00	1430																												
ZZZZZZ	1.00	1432																												
ZZZZZZ	1.00	1434																												
ZZZZZZ	1.00	1436																												
CCV	1.00	1437																X												
CCB	1.00	1439																X												
BS100906	1.00	1441																X												
SS100906	1.00	1443																X												
LCSSD048	5.00	1446																X												
SSD048-D	5.00	1448																X												
775591	1.00	1449																X												
775591D	1.00	1451																X												
775591MS	1.00	1453																X												
775565	1.00	1455																X												
775566	1.00	1457																X												
CCV	1.00	1458																X												
CCB	1.00	1500																X												
775567	1.00	1502																X												
775569	1.00	1503																X												
775570	1.00	1505																X												
775572	1.00	1507																X												
775573	1.00	1509																X												
775575	1.00	1511																X												
775577	1.00	1512																X												
ZZZZZZ	1.00	1514																												
ZZZZZZ	1.00	1516																												
CCV	1.00	1518																X												
CCB	1.00	1520																X												
775582	1.00	1522																X												
775584	1.00	1524																X												
775585	1.00	1526																X												

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/09/06 End Date: 10/09/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
775586	1.00	1527																X								
775588	1.00	1529																X								
775589	1.00	1531																X								
775590	1.00	1533																X								
775592	1.00	1534																X								
CCV	1.00	1536																X								
CCB	1.00	1538																X								
775579	10.00	1542																X								
775580	3.00	1544																X								
CCV	1.00	1546																X								
CCB	1.00	1547																X								

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
2CAL-BLK	1.00	0023		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T2CAL1__	1.00	0029		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2__	1.00	0035		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3__	1.00	0041		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ__	1.00	0047		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV_	1.00	0052		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB_	1.00	0058		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA____	1.00	0104		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB___	1.00	0110		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ__	1.00	0116		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ__	1.00	0122		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ__	1.00	0128		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ__	1.00	0134		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
BS100906	1.00	0139		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
LCSSD048	2.00	0145		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
SSD048-D	2.00	0151		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775591D_	2.00	0157		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV_____	1.00	0203		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB_____	1.00	0209		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775591__	2.00	0215		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775591L_	2.00	0221		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775591MS	2.00	0227		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ__	2.00	0232		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
775565__	2.00	0238		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775566__	2.00	0244		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775567__	2.00	0250		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775569__	2.00	0256		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775570__	2.00	0302		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775572__	2.00	0308		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV_____	1.00	0314		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB_____	1.00	0319		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775573__	2.00	0325		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
_____	_____	____	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																							
				ALL	SBS	ABA	BBE	CCD	CAR	CRO	COU	CUE	FBB	PGN	MNG	MGI	HNI	K	SE	AG	NA	TL	V	ZN	MO			

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
775575	2.00	0331			X	X	X	X	X		X		X		X				X		X	X		X		X	
775577	2.00	0337			X	X	X	X	X		X		X		X				X		X	X		X		X	
775579	2.00	0343			X	X	X	X	X		X		X		X				X		X	X		X		X	
775580	2.00	0349			X	X	X	X	X		X		X		X				X		X	X		X		X	
775582	2.00	0355			X	X	X	X	X		X		X		X				X		X	X		X		X	
775584	2.00	0401			X	X	X	X	X		X		X		X				X		X	X		X		X	
775585	2.00	0407			X	X	X	X	X		X		X		X				X		X	X		X		X	
775586	2.00	0412			X	X	X	X	X		X		X		X				X		X	X		X		X	
775588	2.00	0418			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0424			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0430			X	X	X	X	X		X		X		X				X		X	X		X		X	
775589	2.00	0436			X	X	X	X	X		X		X		X				X		X	X		X		X	
775590	2.00	0442			X	X	X	X	X		X		X		X				X		X	X		X		X	
775592	2.00	0448			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	0454			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	0459			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0505			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0511			X	X	X	X	X		X		X		X				X		X	X		X		X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/13/06 End Date: 10/13/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
2CAL-BLK	1.00	1639		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T2CAL1	1.00	1645		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2	1.00	1650		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	1656		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1702		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1708		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	1714		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	1736		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	1741		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1747		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1753		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1759		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1804		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1810		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1816		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1822		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1827		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1833		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1839		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1845		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1851		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1856		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1902		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1908		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1914		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1919		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1925		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1931		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1937		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1942		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1948		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1954		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21446_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/13/06 End Date: 10/13/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	2000																												
ZZZZZZ	1.00	2005																												
ZZZZZZ	1.00	2011																												
ZZZZZZ	1.00	2017																												
ZZZZZZ	1.00	2023																												
ZZZZZZ	1.00	2029																												
ZZZZZZ	1.00	2034																												
ZZZZZZ	1.00	2040																												
ZZZZZZ	1.00	2046																												
CCV	1.00	2052			X	X	X	X	X		X		X		X				X		X	X		X		X				
CCB	1.00	2057			X	X	X	X	X		X		X		X				X		X	X		X		X				
ZZZZZZ	1.00	2103																												
SS100906	1.00	2109			X	X	X	X	X		X		X		X				X		X	X		X		X				
ICSA	1.00	2115			X	X	X	X	X		X		X		X				X		X	X		X		X				
ICSAB	1.00	2120			X	X	X	X	X		X		X		X				X		X	X		X		X				
CCV	1.00	2126			X	X	X	X	X		X		X		X				X		X	X		X		X				
CCB	1.00	2132			X	X	X	X	X		X		X		X				X		X	X		X		X				

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1341																X									
STD02	1.00	1343																X									
STD03	1.00	1344																X									
STD04	1.00	1346																X									
STD05	1.00	1348																X									
STD06	1.00	1349																X									
ICV/ACCV	1.00	1352																X									
ICB/CCB_	1.00	1354																X									
BS101006	1.00	1355																X									
SS101006	1.00	1358																X									
LCSSD048	5.00	1400																X									
SSD048-D	5.00	1402																X									
775600	1.00	1404																X									
775600D	1.00	1406																X									
775600MS	1.00	1408																X									
775593	1.00	1410																X									
CCV	1.00	1412																X									
CCB	1.00	1413																X									
775594	1.00	1415																X									
775595	1.00	1417																X									
775596	1.00	1418																X									
775597	1.00	1420																X									
775598	1.00	1422																X									
775599	1.00	1424																X									
775601	1.00	1426																X									
775602	1.00	1427																X									
CCV	1.00	1429																X									
CCB	1.00	1431																X									
775603	1.00	1433																X									
775604	1.00	1434																X									
775605	1.00	1436																X									
775606	1.00	1438																X									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
775608	1.00	1441																X								
775609	1.00	1442																X								
776113	1.00	1444																X								
776114	1.00	1446																X								
CCV	1.00	1447																X								
CCB	1.00	1449																X								
ZZZZZZ	1.00	1451																								
ZZZZZZ	1.00	1453																								
ZZZZZZ	1.00	1455																								
ZZZZZZ	1.00	1456																								
ZZZZZZ	1.00	1458																								
ZZZZZZ	1.00	1500																								
ZZZZZZ	1.00	1502																								
ZZZZZZ	1.00	1503																								
ZZZZZZ	1.00	1505																								
CCV	1.00	1507																X								
CCB	1.00	1509																X								
ZZZZZZ	1.00	1510																								
ZZZZZZ	1.00	1512																								
ZZZZZZ	1.00	1514																								
ZZZZZZ	1.00	1515																								
ZZZZZZ	1.00	1517																								
ZZZZZZ	1.00	1519																								
ZZZZZZ	1.00	1521																								
ZZZZZZ	1.00	1523																								
ZZZZZZ	1.00	1525																								
CCV	1.00	1527																X								
CCB	1.00	1529																X								
ZZZZZZ	1.00	1530																								
ZZZZZZ	1.00	1532																								
ZZZZZZ	1.00	1535																								
ZZZZZZ	1.00	1537																								

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1539																									
ZZZZZZ	1.00	1540																									
ZZZZZZ	1.00	1542																									
ZZZZZZ	1.00	1544																									
CCV	1.00	1546																X									
CCB	1.00	1547																X									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1036		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1042		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1047		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1053		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1058		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1104		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	1110		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	1115		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	1121		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1126		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1135		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1141		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1147		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1152		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1158		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1203		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1209		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1215		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1220		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1226		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1233		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1239		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	3.00	1245		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1251		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1256		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	3.00	1302		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1307		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICSA	1.00	1313		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	1319		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	1324		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1330		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775593	2.00	1402		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO					
775594	2.00	1407			X	X	X	X	X		X		X		X				X		X	X		X		X					
775595	2.00	1413			X	X	X	X	X		X		X		X				X		X	X		X		X					
775596	2.00	1419			X	X	X	X	X		X		X		X				X		X	X		X		X					
775597	2.00	1424			X	X	X	X	X		X		X		X				X		X	X		X		X					
775598	2.00	1430			X	X	X	X	X		X		X		X				X		X	X		X		X					
775599	2.00	1435			X	X	X	X	X		X		X		X				X		X	X		X		X					
775600	2.00	1441			X	X	X	X	X		X		X		X				X		X	X		X		X					
775601	2.00	1447			X	X	X	X	X		X		X		X				X		X	X		X		X					
775602	2.00	1452			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCV	1.00	1458			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCB	1.00	1503			X	X	X	X	X		X		X		X				X		X	X		X		X					
775603	2.00	1509			X	X	X	X	X		X		X		X				X		X	X		X		X					
775604	2.00	1515			X	X	X	X	X		X		X		X				X		X	X		X		X					
775605	2.00	1520			X	X	X	X	X		X		X						X		X	X		X		X					
775606	2.00	1526			X	X	X	X	X		X		X		X				X		X	X		X		X					
775608	2.00	1531			X	X	X	X	X		X		X		X				X		X	X		X		X					
775609	2.00	1537			X	X	X	X	X		X		X		X				X		X	X		X		X					
ZZZZZZ	2.00	1543																														
ZZZZZZ	2.00	1548																														
ZZZZZZ	1.00	1554																														
ZZZZZZ	1.00	1559																														
CCV	1.00	1605			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCB	1.00	1610			X	X	X	X	X		X		X		X				X		X	X		X		X					
775605	10.00	1633													X																	
ICSA	1.00	1638			X	X	X	X	X		X		X		X				X		X	X		X		X					
ICSAB	1.00	1644			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCV	1.00	1650			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCB	1.00	1655			X	X	X	X	X		X		X		X				X		X	X		X		X					

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/11/06 End Date: 10/11/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	0129		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	0135		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	0140		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	0146		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	0152		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	0158		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	0204		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	0209		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	0215		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	0221		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0227		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0232		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	0238		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	0244		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	0250		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	0256		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0301		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	0307		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	0313		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	20.00	0319		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	20.00	0324		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	20.00	0330		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	10.00	0336		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0342		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0348		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	0353		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0359		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	0405		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0411		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	0416		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	0422		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	0428		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/11/06 End Date: 10/11/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO					
ICSAB	1.00	0434			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCV	1.00	0440			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCB	1.00	0445			X	X	X	X	X		X		X		X				X		X	X		X		X					
SS101006	1.00	0451			X	X	X	X	X		X		X		X				X		X	X		X		X					
BS101006	1.00	0457			X	X	X	X	X		X		X		X				X		X	X		X		X					
LCSSD048	2.00	0503			X	X	X	X	X		X		X		X				X		X	X		X		X					
SSD048-D	2.00	0508			X	X	X	X	X		X		X		X				X		X	X		X		X					
775600D	2.00	0514			X	X	X	X	X		X		X		X				X		X	X		X		X					
775600L	2.00	0520			X	X	X	X	X		X		X		X				X		X	X		X		X					
775600MS	2.00	0526			X	X	X	X	X		X		X		X				X		X	X		X		X					
ZZZZZZ	2.00	0532																														
776113	2.00	0537				X		X	X		X		X		X				X		X	X		X		X					
776114	2.00	0543			X	X		X	X		X		X		X				X		X	X				X					
CCV	1.00	0549			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCB	1.00	0555			X	X	X	X	X		X		X		X				X		X	X		X		X					
775391	2.00	0601				X									X																	
775392	2.00	0606				X									X																	
ICSA	1.00	0612			X	X	X	X	X		X		X		X				X		X	X		X		X					
ICSAB	1.00	0618			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCV	1.00	0624			X	X	X	X	X		X		X		X				X		X	X		X		X					
CCB	1.00	0629			X	X	X	X	X		X		X		X				X		X	X		X		X					

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21452_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/11/06 End Date: 10/11/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1000		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X
T3CAL1	1.00	1006		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1011		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1017		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1023		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1028		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
ICB/CCB	1.00	1034		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
ICSA	1.00	1040		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
ICSAB	1.00	1045		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
ZZZZZZ	1.00	1051		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1056		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1102		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1108		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1113		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1119		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1124		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
CCB	1.00	1130		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
776113	5.00	1140		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
776114	2.00	1146		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
ZZZZZZ	1.00	1151		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICSA	1.00	1203		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
ICSAB	1.00	1209		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
CCV	1.00	1215		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
CCB	1.00	1220		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1415																X									
STD02	1.00	1416																X									
STD03	1.00	1418																X									
STD04	1.00	1420																X									
STD05	1.00	1421																X									
STD06	1.00	1423																X									
ICV/ACCV	1.00	1425																X									
ICB/CCB	1.00	1426																X									
ZZZZZZ	1.00	1428																									
ZZZZZZ	1.00	1430																									
ZZZZZZ	5.00	1431																									
ZZZZZZ	5.00	1433																									
ZZZZZZ	1.00	1434																									
ZZZZZZ	1.00	1436																									
ZZZZZZ	1.00	1438																									
ZZZZZZ	1.00	1439																									
CCV	1.00	1441																X									
CCB	1.00	1443																X									
ZZZZZZ	1.00	1444																									
ZZZZZZ	1.00	1446																									
ZZZZZZ	1.00	1448																									
ZZZZZZ	1.00	1449																									
ZZZZZZ	1.00	1451																									
ZZZZZZ	1.00	1453																									
ZZZZZZ	1.00	1454																									
ZZZZZZ	1.00	1456																									
CCV	1.00	1457																X									
CCB	1.00	1459																X									
ZZZZZZ	1.00	1501																									
ZZZZZZ	1.00	1503																									
ZZZZZZ	1.00	1504																									
ZZZZZZ	1.00	1506																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1508																														
ZZZZZZ	1.00	1509																														
ZZZZZZ	1.00	1511																														
ZZZZZZ	1.00	1513																														
ZZZZZZ	1.00	1514																														
CCV	1.00	1516																X														
CCB	1.00	1517																X														
ZZZZZZ	1.00	1519																														
ZZZZZZ	1.00	1521																														
ZZZZZZ	5.00	1522																														
ZZZZZZ	5.00	1524																														
ZZZZZZ	1.00	1526																														
ZZZZZZ	1.00	1527																														
ZZZZZZ	1.00	1529																														
ZZZZZZ	1.00	1530																														
ZZZZZZ	1.00	1532																														
CCV	1.00	1534																X														
CCB	1.00	1535																X														
ZZZZZZ	1.00	1537																														
ZZZZZZ	1.00	1539																														
ZZZZZZ	1.00	1540																														
ZZZZZZ	1.00	1542																														
ZZZZZZ	1.00	1544																														
ZZZZZZ	1.00	1546																														
ZZZZZZ	1.00	1547																														
ZZZZZZ	1.00	1549																														
ZZZZZZ	1.00	1550																														
CCV	1.00	1552																X														
CCB	1.00	1554																X														
ZZZZZZ	1.00	1555																														
ZZZZZZ	1.00	1557																														
ZZZZZZ	1.00	1559																														

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1600																														
ZZZZZZ	1.00	1602																														
ZZZZZZ	1.00	1604																														
ZZZZZZ	1.00	1605																														
ZZZZZZ	1.00	1607																														
CCV	1.00	1609																														
CCB	1.00	1610																X														
BS101806	1.00	1612																X														
SS101806	1.00	1613																X														
LCSSD048	5.00	1615																X														
SSD048-D	5.00	1617																X														
778405	1.00	1618																X														
778405D	1.00	1620																X														
778405MS	1.00	1622																X														
775274	1.00	1623																X														
CCV	1.00	1625																X														
CCB	1.00	1627																X														
775280	1.00	1628																X														
775824	1.00	1630																X														
775290	1.00	1632																X														
775301	1.00	1633																X														
775568	1.00	1635																X														
775578	1.00	1637																X														
775581	1.00	1638																X														
775583	1.00	1640																X														
CCV	1.00	1642																X														
CCB	1.00	1644																X														
776962	1.00	1645																X														
776971	1.00	1647																X														
776982	1.00	1649																X														
777162	1.00	1650																X														
777163	1.00	1652																X														

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
777164	1.00	1654																														
776400	1.00	1655																X								
CCV	1.00	1657																X								
CCB	1.00	1659																X								

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/19/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1220		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1225		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1231		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1237		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1242		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1248		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	1253		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	1259		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	1305		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1310		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1316		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1338		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
SS101806	1.00	1351		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	1356		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
LCSSD048	2.00	1402		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
SSD048-D	2.00	1408		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405D	2.00	1413		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	1419		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1424		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405	2.00	1430		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405L	2.00	1436		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
778405MS	2.00	1441		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	2.00	1447		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
776400	1.00	1452		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	2.00	1458		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1504		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1509		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1515		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1521		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1526		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	1532		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	2.00	1537		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____	_____	_____	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/19/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	2.00	1543																									
ZZZZZZ	5.00	1549																									
ZZZZZZ	5.00	1610																									
ZZZZZZ	5.00	1619																									
ZZZZZZ	5.00	1633																									
ZZZZZZ	5.00	1638																									
ZZZZZZ	5.00	1644																									
BS101806	1.00	1650			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	1655			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	1701			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	1706			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	1712			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	1718			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	1723			X	X	X	X	X		X		X		X				X		X	X		X		X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/20/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	2354		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	0000		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	0005		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	0011		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	0017		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	0022		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	0028		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	0033		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	0039		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	0045		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0050		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0056		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0102		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
775274	2.00	0107		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775280	2.00	0113		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775824	2.00	0118		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775290	2.00	0124		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	0130		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCB	1.00	0135		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
775301	2.00	0141		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775568	2.00	0147		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775578	2.00	0152		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775581	2.00	0158		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
775583	2.00	0203		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776962	2.00	0209		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776971	1.00	0215		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776982	1.00	0220		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
776975	2.00	0226		_	_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
776977	2.00	0232		_	_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	0237		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	0243		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
777162	2.00	0249		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/20/06

Lab Sample No.	D/F	Time	% R	Analytes																							
				ALB	SBS	ASA	BAE	BED	CDA	CAR	CRO	COU	CUE	FEB	PBG	MGN	MNG	HGI	NI	K	SE	AG	NAL	TL	V	ZN	MO

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21515_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/19/06 End Date: 10/20/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
777163	2.00	0254			X	X		X	X		X		X		X				X		X	X		X		X	
777164	2.00	0300			X	X		X	X		X		X		X				X		X	X		X		X	
ZZZZZZ	5.00	0305																												
ZZZZZZ	5.00	0311																												
ZZZZZZ	5.00	0317																												
ZZZZZZ	5.00	0322																												
ZZZZZZ	5.00	0328																												
ICSA	1.00	0334			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSAB	1.00	0339			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCV	1.00	0345			X	X	X	X	X		X		X		X				X		X	X		X		X	
CCB	1.00	0350			X	X	X	X	X		X		X		X				X		X	X		X		X	

General Chemistry Forms

Analytical Results Summary

Site: Sun Chemical SI
Lab Job No: X967
Matrix: SOIL
QA Batch: 2354

pH

STL Edison Sample #	Client ID	Date Sampled	Date Analyzed	Analytical Result Units: std units
775588	B1605-SS01	10/05/06	10/09/06	4.68
775589	B1605-SS02	10/05/06	10/09/06	4.91
775590	B1605-SS02D	10/05/06	10/09/06	4.94
775591	B1604-SS01	10/05/06	10/09/06	5.56
775592	B1604-SS02	10/05/06	10/09/06	5.61
775593	B1603-SS01	10/05/06	10/09/06	8.52
775594	B1603-SS01D	10/05/06	10/09/06	8.48
775595	B1603-SS02	10/05/06	10/09/06	8.03
775596	B1607-SS01	10/05/06	10/09/06	8.73
775597	B1607-SS02	10/05/06	10/09/06	8.72
775603	B1601-SS01	10/05/06	10/09/06	8.36
775604	B1601-SS02	10/05/06	10/09/06	8.71
775608	B1606-SS01	10/05/06	10/09/06	7.32
775609	B1606-SS02	10/05/06	10/09/06	8.16

QA Summary

pH/Corrosivity

Matrix: SOLID **Lab Sample No.: 776070**

QA Batch No.: 2354 **Lab Job No.: X486**

Duplicate			
Sample Conc Units: SU	DUP Conc Units: SU	RPD	Q.C. Limits RPD
8.20	8.21	0.1	5.0

Laboratory Control Sample				
Vendor	Lot #	True Value Units: SU	Acceptable Range: SU	Measured Value: SU
ERA	P118-977	5.40	5.33-5.57	5.41

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STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

10/30/2006

Environ Corporation, Inc.
214 Carnegie Center, Suite 200
Princeton, NJ 08540

Attention: Mr. Bill Kraft

Laboratory Results
Job No. Y024 - Sun Chemical SI

Dear Mr. Kraft:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 6, 2006.

Lab No.	Client ID	Analysis Required
775883	MW02-SS01	PP Metals + Ba
775884	MW02-SS01D	PP Metals + Ba
775886	B204-SS01	TCL BN+15
		PP Metals + Ba
775887	B204-SS01D	TCL BN+15
		PP Metals + Ba
775888	B204-SS02	TCL BN+15
		PP Metals + Ba

If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael Urban
Laboratory Manager

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Analytical Results Summary

Client ID: **B204-SS01**
Site: Sun Chemical SI

Lab Sample No: **775886**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32502.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	100 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	82 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	91 J	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	33 J	380
Dibenzofuran	60 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	35 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	560	380
Anthracene	150 J	380

Client ID: **B204-SS01**
Site: Sun Chemical SI

Lab Sample No: **775886**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32502.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	49 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	940	380
Pyrene	920	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	410	38
Chrysene	500	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	590	38
Benzo(k)fluoranthene	490	38
Benzo(a)pyrene	460	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B204-SS01**
Site: Sun Chemical SI

Lab Sample No: **775886**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32502.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.40	420	
2.	Unknown	20.56	560	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 980

Client ID: **B204-SS01D**
Site: Sun Chemical SI

Lab Sample No: **775887**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32503.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	86 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	63 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	110 J	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	14 J	380
Dibenzofuran	43 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	29 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	220 J	380
Anthracene	120 J	380

Client ID: **B204-SS01D**
Site: Sun Chemical SI

Lab Sample No: **775887**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32503.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	26 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	350 J	380
Pyrene	590	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	260	38
Chrysene	340 J	380
bis(2-Ethylhexyl)phthalate	96 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	450	38
Benzo(k)fluoranthene	310	38
Benzo(a)pyrene	320	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B204-SS01D**
Site: Sun Chemical SI

Lab Sample No: **775887**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32503.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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11.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **B204-SS02**
Site: Sun Chemical SI

Lab Sample No: **775888**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/11/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32485.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	ND	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	74
2-Methylnaphthalene	ND	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	740
Dimethylphthalate	ND	370
Acenaphthylene	ND	370
2,6-Dinitrotoluene	ND	74
3-Nitroaniline	ND	740
Acenaphthene	ND	370
Dibenzofuran	ND	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
4-Nitroaniline	ND	740
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	ND	370
Anthracene	ND	370

Client ID: **B204-SS02**
Site: Sun Chemical SI

Lab Sample No: **775888**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/11/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32485.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	370
Di-n-butylphthalate	ND	370
Fluoranthene	ND	370
Pyrene	ND	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	ND	37
Chrysene	ND	370
bis(2-Ethylhexyl)phthalate	ND	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	ND	37
Benzo(k)fluoranthene	ND	37
Benzo(a)pyrene	ND	37
Indeno(1,2,3-cd)pyrene	ND	37
Dibenz(a,h)anthracene	ND	37
Benzo(g,h,i)perylene	ND	370

Client ID: **B204-SS02**
Site: Sun Chemical SI

Lab Sample No: **775888**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/11/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32485.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **MW02-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775883
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 10.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	4.4	0.72	*	P
Barium	47.7	0.38		P
Beryllium	0.64	0.067		P
Cadmium	0.17	0.090	B	P
Chromium	63.0	0.36	*	P
Copper	34.8	0.83		P
Lead	22.6	0.61	*	P
Mercury	0.07	0.016		CV
Nickel	89.9	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	64.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW02-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775884
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.9	0.72	*	P
Barium	64.4	0.38		P
Beryllium	0.59	0.068		P
Cadmium	0.47	0.090	B	P
Chromium	47.7	0.36	*	P
Copper	40.2	0.83		P
Lead	40.1	0.61	*	P
Mercury	0.03	0.019		CV
Nickel	68.5	0.54		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	104	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B204-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775886
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 13.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	8.0	0.74	*	P
Barium	193	0.39		P
Beryllium	0.40	0.069	B	P
Cadmium	0.09	0.092	B	P
Chromium	28.3	0.37	*	P
Copper	56.2	0.85		P
Lead	237	0.62	*	P
Mercury	0.38	0.019		CV
Nickel	28.8	0.55		P
Selenium	1.1	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	205	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B204-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775887
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 13.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.4	1.3	BN	P
Arsenic	5.8	0.74	*	P
Barium	165	0.39		P
Beryllium	0.36	0.069	B	P
Cadmium	0.10	0.093	B	P
Chromium	22.7	0.37	*	P
Copper	37.8	0.86		P
Lead	177	0.63	*	P
Mercury	0.20	0.019		CV
Nickel	28.2	0.56		P
Selenium	1.6	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	163	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B204-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775888
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.1	0.71	*	P
Barium	36.5	0.38	B	P
Beryllium	0.50	0.066		P
Cadmium	ND	0.089		P
Chromium	38.9	0.35	*	P
Copper	26.7	0.82		P
Lead	21.1	0.60	*	P
Mercury	0.03	0.018	B	CV
Nickel	341	0.53		P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	88.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

Y024

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): T. Tompkins / M. Utley	Site/Project Identification: Sun Chemical : Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	App IX Metals	BNs									LAB USE ONLY Sample Numbers
MW02-SS01	10/6/05	0754	Soil	1	X										775883
MW02-SS01D		0754		1	X										775884
MW02-SS02		0756		1	X	(HOLD)									775885
B204-SS01		0838		1	X	X									775886
B204-SS01D		0838		1	X	X									775887
B204-SS02		0839		1	X	X									775888
B204-SS03		0840		1	X	X	(HOLD)								775889

Project No.: Y024

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____

Soil:	1	1
Water:		

Special Instructions _____ Cooler Temp: 6 Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1. [signature]	ENVIRON	10/6/05 1247	[signature]	STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

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Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y024 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
775886	10/6/2006	10/6/2006	10/8/2006	Masango, Charles	10/12/2006	Schweitzer, Kathy	4676
775887	10/6/2006	10/6/2006	10/8/2006	Masango, Charles	10/12/2006	Schweitzer, Kathy	4676
775888	10/6/2006	10/6/2006	10/8/2006	Masango, Charles	10/11/2006	Asfaw, Abebaye	4676
775889	10/6/2006	10/6/2006					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	Y024	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/6/2006
Sample No.:	775883	**Date Received:**	10/6/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21454
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
COPPER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
LEAD	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SILVER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ZINC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No: Y024 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/6/2006

Sample No.: 775884 **Date Received:** 10/6/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21454
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
COPPER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
LEAD	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SILVER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ZINC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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08817

Job No:	Y024	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/6/2006
Sample No.:	775885	**Date Received:**	10/6/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y024 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/6/2006

Sample No.: 775886 **Date Received:** 10/6/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21454
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
COPPER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
LEAD	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SILVER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ZINC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y024 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/6/2006

Sample No.: 775887 **Date Received:** 10/6/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21454
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
COPPER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
LEAD	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SILVER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ZINC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y024 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/6/2006

Sample No.: 775888 **Date Received:** 10/6/2006

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/10/2006	Sheikh, Razia	10/10/2006	Sheikh, Razia	21454
ANTIMONY	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ARSENIC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BARIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
BERYLLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CADMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
CHROMIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
COPPER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
LEAD	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
NICKEL	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SELENIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
SILVER	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
THALLIUM	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454
ZINC	10/10/2006	Sanagavarapu, Suguna	10/11/2006	Chang, Churnder	21454

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	Y024	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/6/2006
Sample No.:	775889	**Date Received:**	10/6/2006
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY					
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SELENIUM					
SILVER					
THALLIUM					
ZINC					

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND/U - The compound was not detected at the indicated concentration.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

\+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: Y024

Client: Environ Corporation, Inc.

Date: 10/25/2006

Sample Receipt:

Sample delivery conforms with requirements.

Base/Neutral and/or Acid Extractable Organics (GC/MS):

Sample # s 775886 and 775887: IS- 6 internal standard area is <50% of the most recent continuing calibration standard area. Both sample extracts were reanalyzed confirming matrix interference.

Metals:

Arsenic, chromium and lead Sample Duplicate RPD(s) are outside Q.C. limits. Poor precision attributed to non homogeneous sample (LCS/LCSdup RPD are within Q.C. limits).

Antimony Matrix Spike recovery is outside Q.C. limits. Q.C. failure attributed to matrix interference (LCS/Blank spike recoveries are within Q.C. limits).

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Semivolatiles)

Results Summary and Chromatograms

Client ID: **B204-SS01**
Site: Sun Chemical SI

Lab Sample No: **775886**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32502.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	100 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	82 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	91 J	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	33 J	380
Dibenzofuran	60 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	35 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	560	380
Anthracene	150 J	380

Client ID: **B204-SS01**
Site: Sun Chemical SI

Lab Sample No: **775886**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32502.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	49 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	940	380
Pyrene	920	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	410	38
Chrysene	500	380
bis(2-Ethylhexyl)phthalate	ND	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	590	38
Benzo(k)fluoranthene	490	38
Benzo(a)pyrene	460	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B204-SS01**
Site: Sun Chemical SI

Lab Sample No: **775886**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32502.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C15H12 PAH	14.40	420	
2.	Unknown	20.56	560	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 980

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d
Report Date: 13-Oct-2006 14:34

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d
Lab Smp Id: 775886 Client Smp ID: B204-SS01
Inj Date : 12-OCT-2006 04:06
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 775886;3287487
Misc Info : Y024;SB281;QA4676
Comment :
Method : /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/8270C6-1.m
Meth Date : 13-Oct-2006 14:25 kathys Quant Type: ISTD
Cal Date : 11-OCT-2006 15:47 Cal File: u32483.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.30000	% Moisture

Cpnd Variable Local Compound Variable

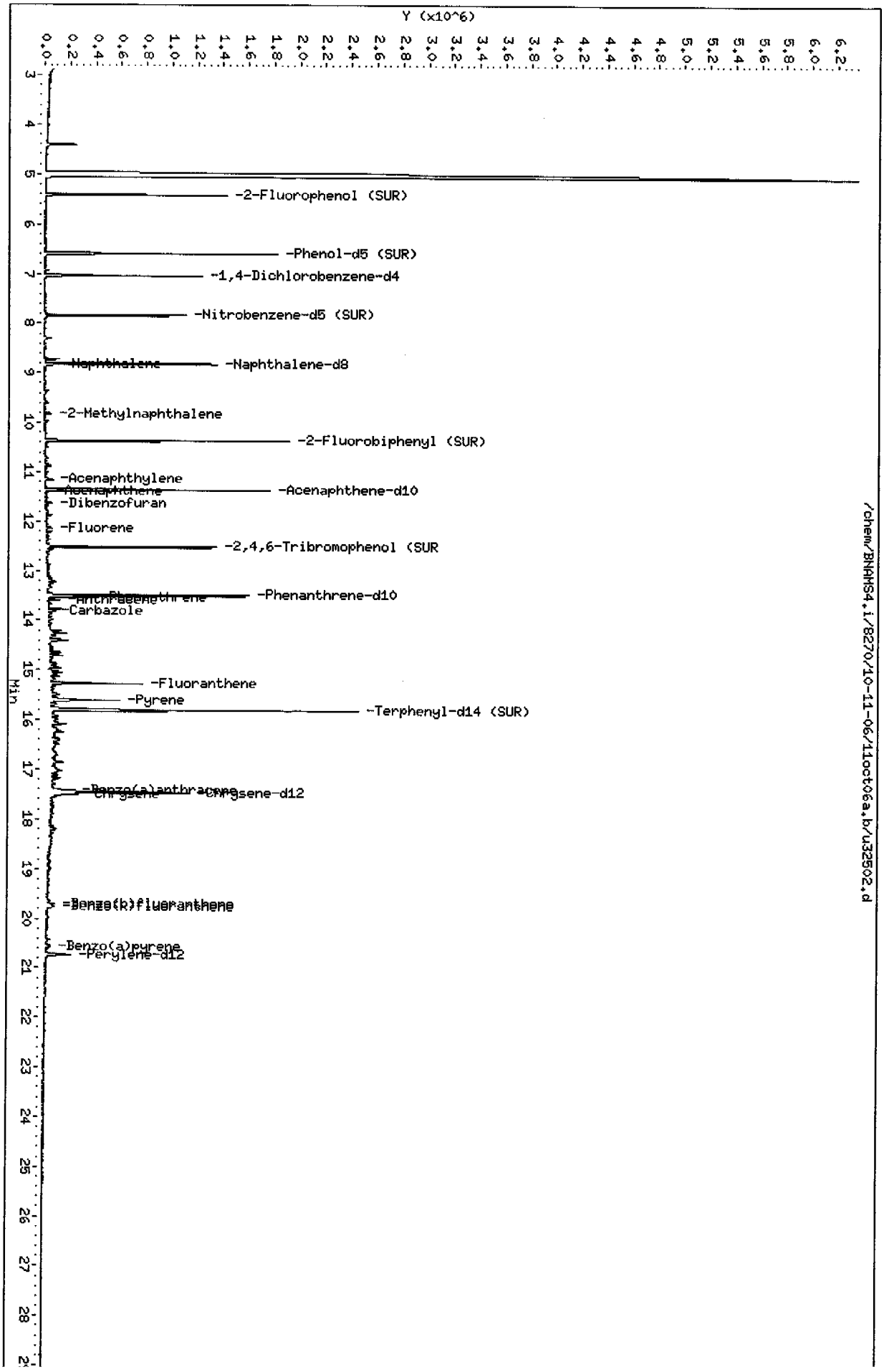
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.419	5.393	(0.770)	284774	50.3700	3900
$ 17 Phenol-d5 (SUR)	99	6.597	6.585	(0.938)	496841	61.8429	4800
* 79 1,4-Dichlorobenzene-d4	152	7.035	7.033	(1.000)	149657	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.833	7.831	(0.888)	414606	43.1651	3300
* 80 Naphthalene-d8	136	8.818	8.812	(1.000)	599613	40.0000	
31 Naphthalene	128	8.840	8.842	(1.002)	19367	1.35726	100(a)
34 2-Methylnaphthalene	142	9.818	9.817	(1.113)	12549	1.06866	82(aH)
$ 77 2-Fluorobiphenyl (SUR)	172	10.363	10.360	(0.912)	576372	46.0271	3500
39 Acenaphthylene	152	11.140	11.145	(0.980)	19281	1.18666	91(a)
* 82 Acenaphthene-d10	164	11.365	11.359	(1.000)	399841	40.0000	
42 Acenaphthene	154	11.403	11.411	(1.003)	4198	0.43107	33(a)
43 Dibenzofuran	168	11.634	11.634	(1.024)	12212	0.77580	60(a)
47 Fluorene	166	12.138	12.133	(1.068)	5751	0.45482	35(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	12.525	12.521	(1.102)	152829	48.0828	3700

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d
Report Date: 13-Oct-2006 14:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 83 Phenanthrene-d10	188	13.499	13.496	(1.000)	661776	40.0000	
52 Phenanthrene	178	13.535	13.534	(1.003)	125071	7.35292	560
53 Anthracene	178	13.596	13.600	(1.007)	32423	1.94128	150(a)
54 Carbazole	167	13.828	13.831	(1.024)	10391	0.64064	49(a)
56 Fluoranthene	202	15.271	15.266	(1.131)	309303	12.1820	940
57 Pyrene	202	15.607	15.609	(0.894)	258029	11.8998	920
$ 78 Terphenyl-d14 (SUR)	244	15.801	15.795	(0.905)	777301	50.5696	3900
61 Benzo(a)anthracene	228	17.428	17.428	(0.998)	103863	5.29967	410
* 81 Chrysene-d12	240	17.464	17.466	(1.000)	682819	40.0000	
62 Chrysene	228	17.508	17.519	(1.003)	109085	6.51745	500
65 Benzo(b)fluoranthene	252	19.712	19.741	(0.951)	49835	7.68301	590
66 Benzo(k)fluoranthene	252	19.765	19.801	(0.953)	48251	6.37682	490(M)
67 Benzo(a)pyrene	252	20.571	20.591	(0.992)	32204	5.94423	460
* 84 Perylene-d12	264	20.737	20.749	(1.000)	166497	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.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Date : 12-OCT-2006 04:06
Client ID: B204-SS01
Sample Info: 775886;3287487
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene-d10
-Dibenzofuran
-Fluorene
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Carbazole
-Fluoranthene
-Pyrene
-Terphenyl-d14 (SUR)
-Chrysene-d12
=Benzo(k)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
/chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

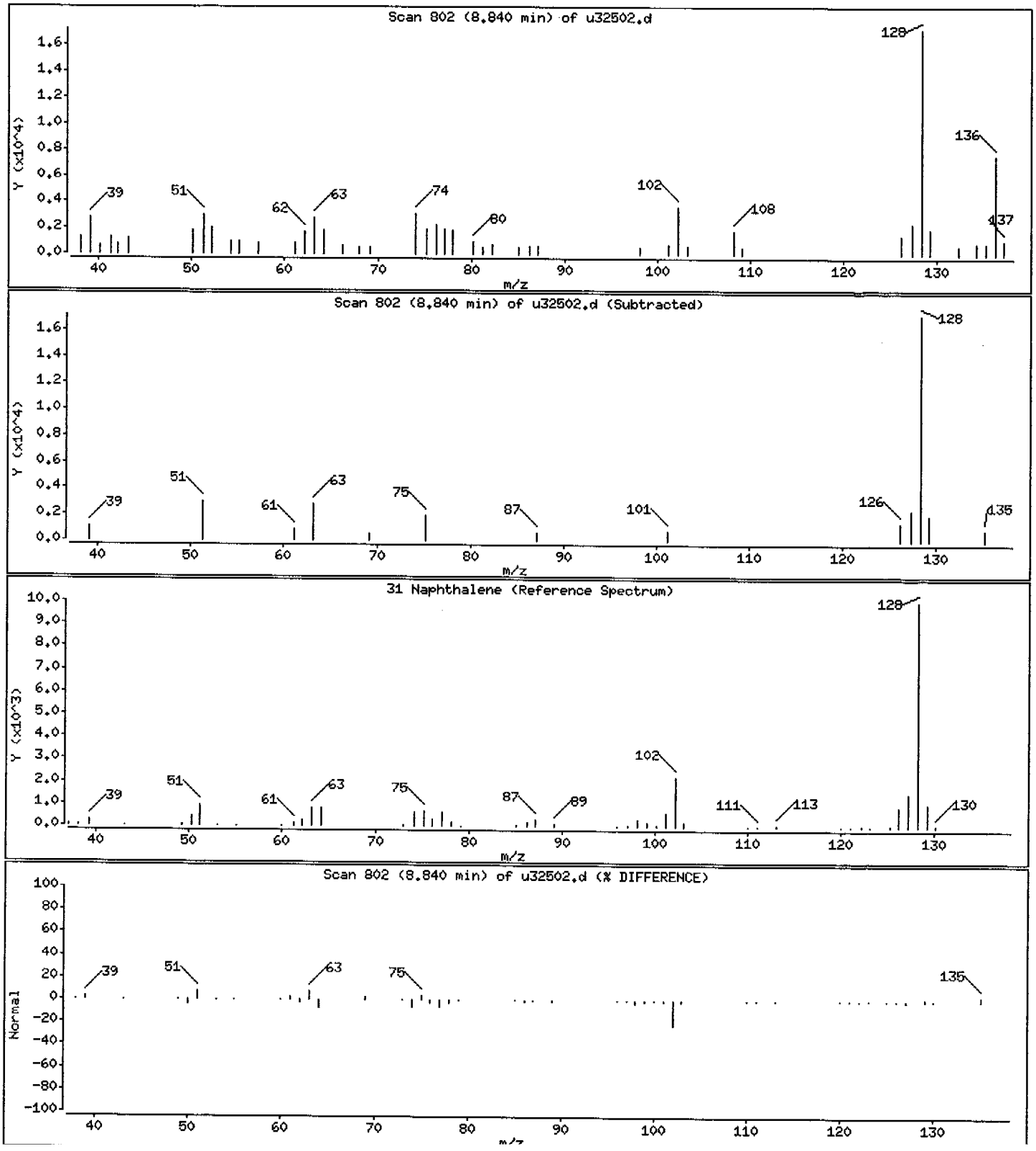
Client ID: B204-SS01 Instrument: BNAMS4.i

Sample Info: 775886;3287487

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

31 Naphthalene Concentration: 100 ug/Kg



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Date : 12-OCT-2006 04:06

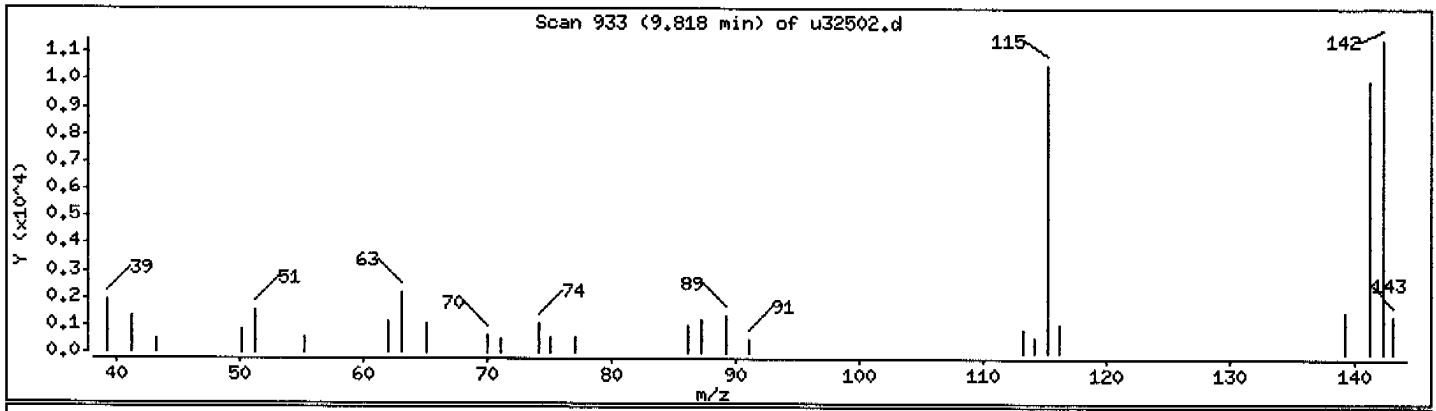
Client ID: B204-SS01 Instrument: BNAMS4.i

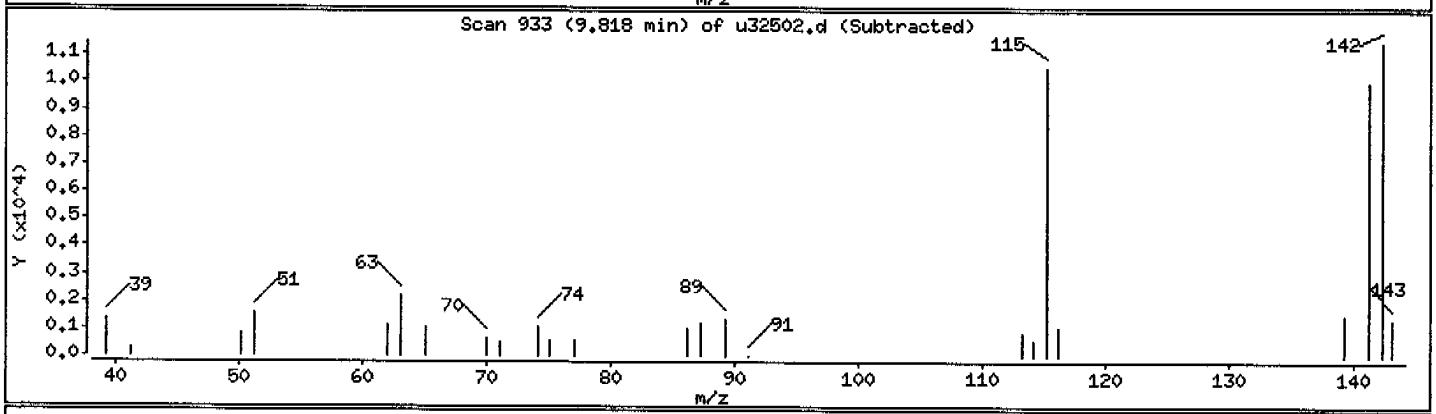
Sample Info: 775886;3287487

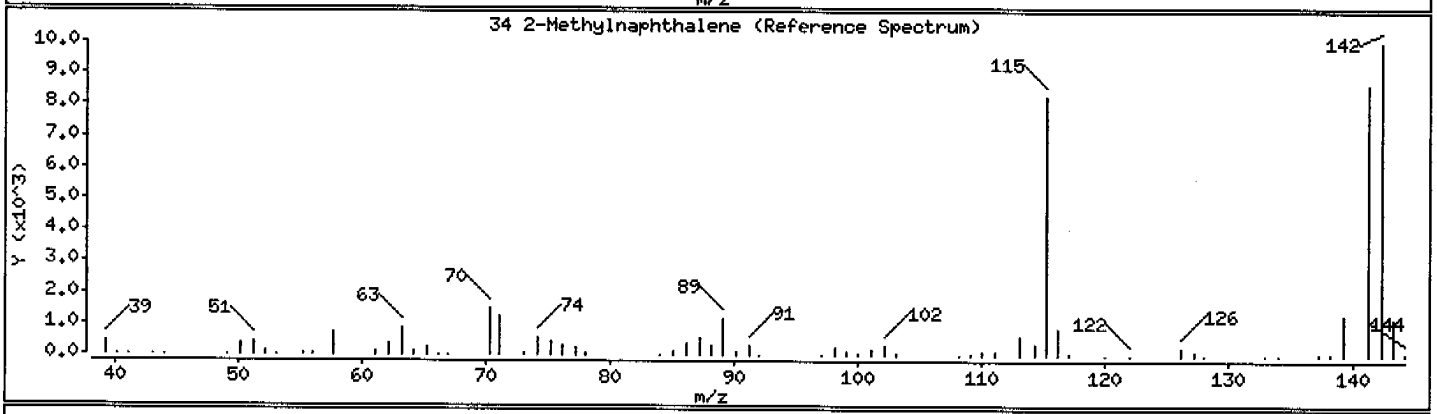
Operator: BNAMS 4

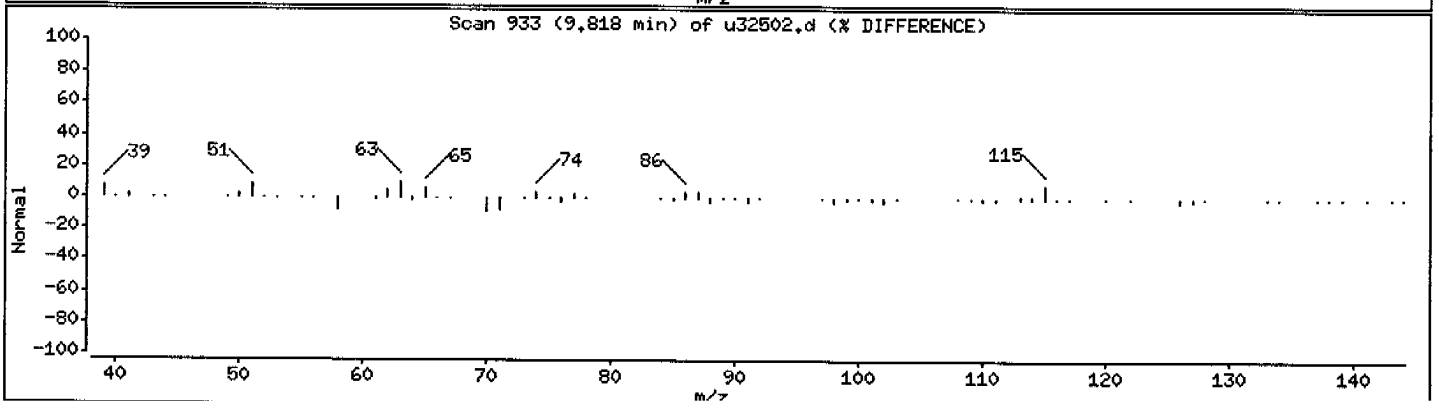
Column phase: DB-5 Column diameter: 0.25

34 2-Methylnaphthalene Concentration: 82 ug/Kg









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Date : 12-OCT-2006 04:06

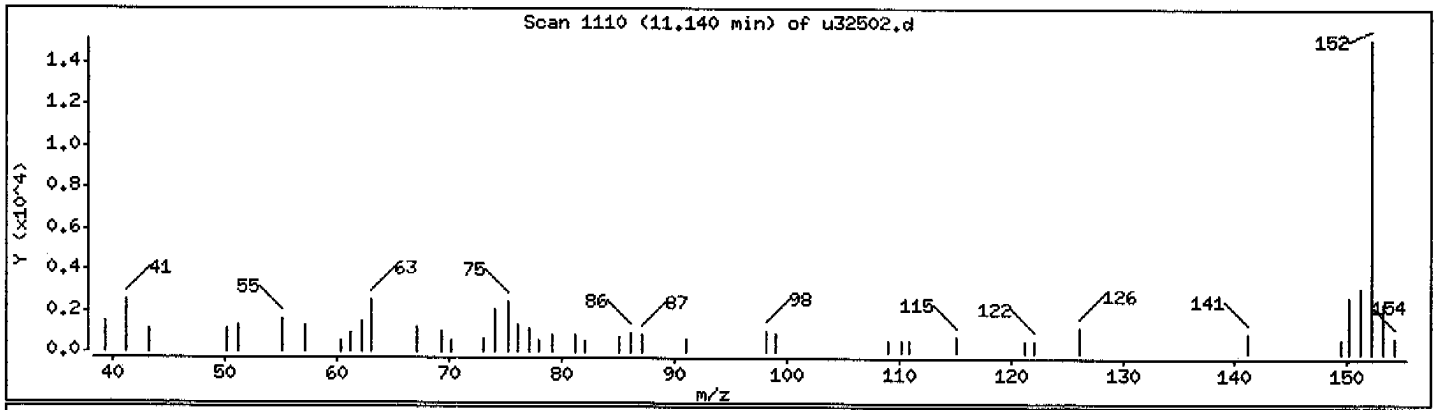
Client ID: B204-SS01 Instrument: BNAMS4.i

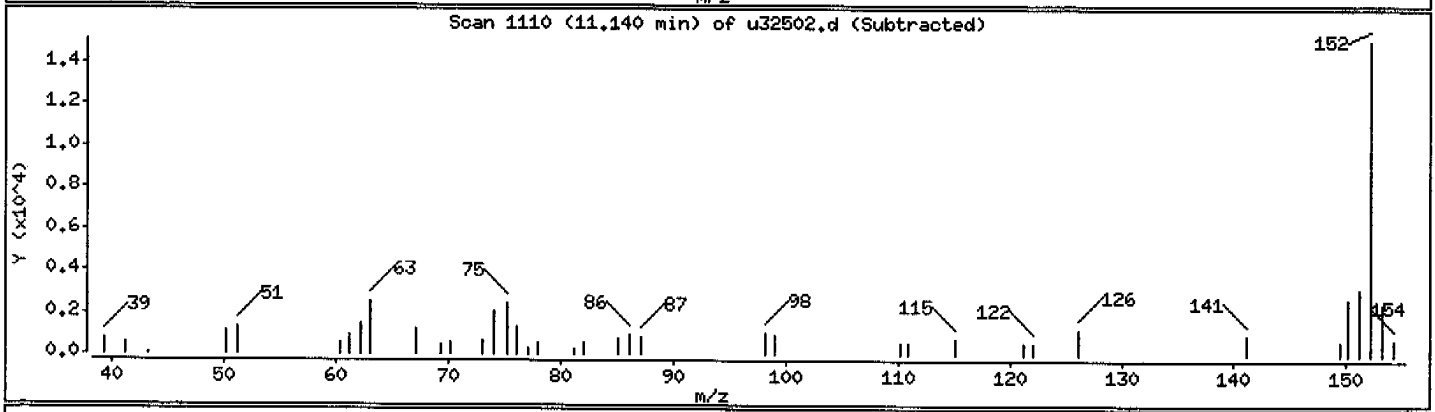
Sample Info: 775886;3287487

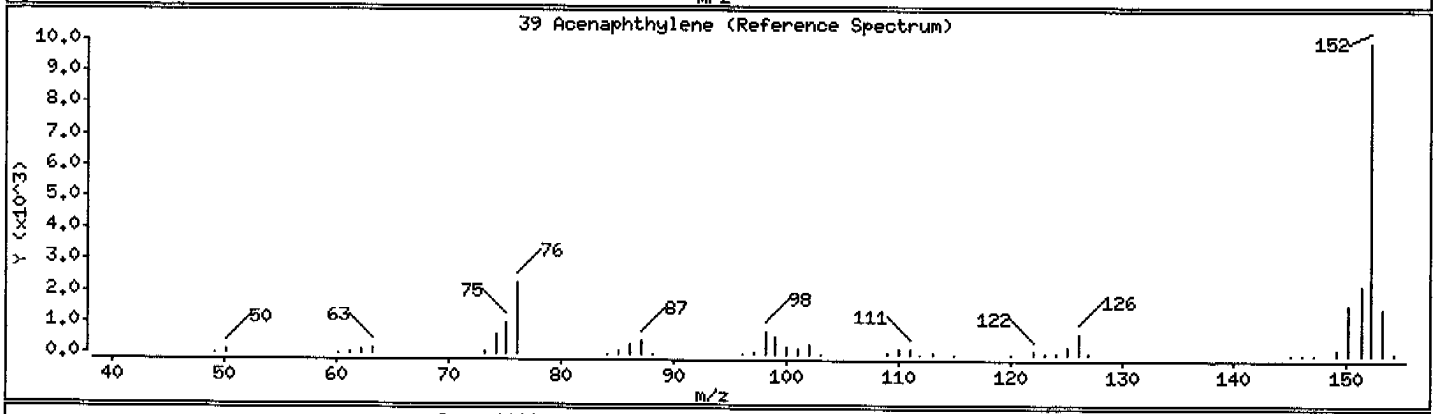
Operator: BNAMS 4

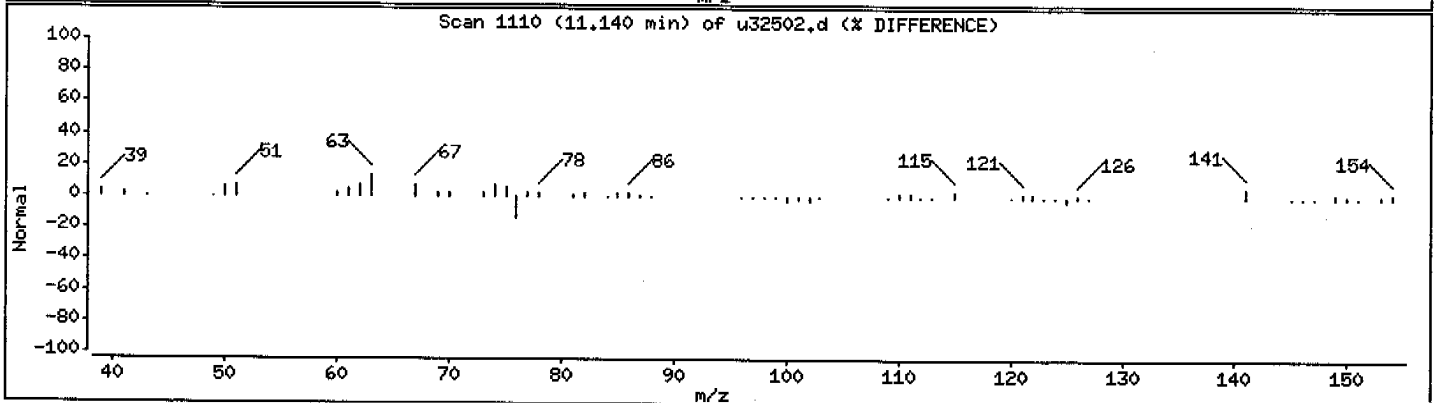
Column phase: DB-5 Column diameter: 0.25

39 Acenaphthylene Concentration: 91 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

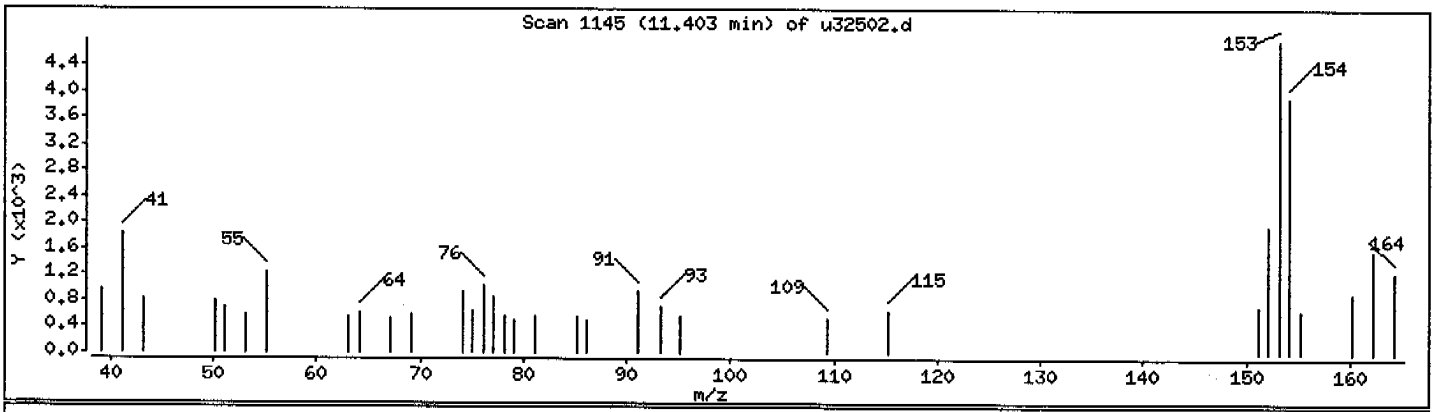
Client ID: B204-SS01 Instrument: BNAMS4.i

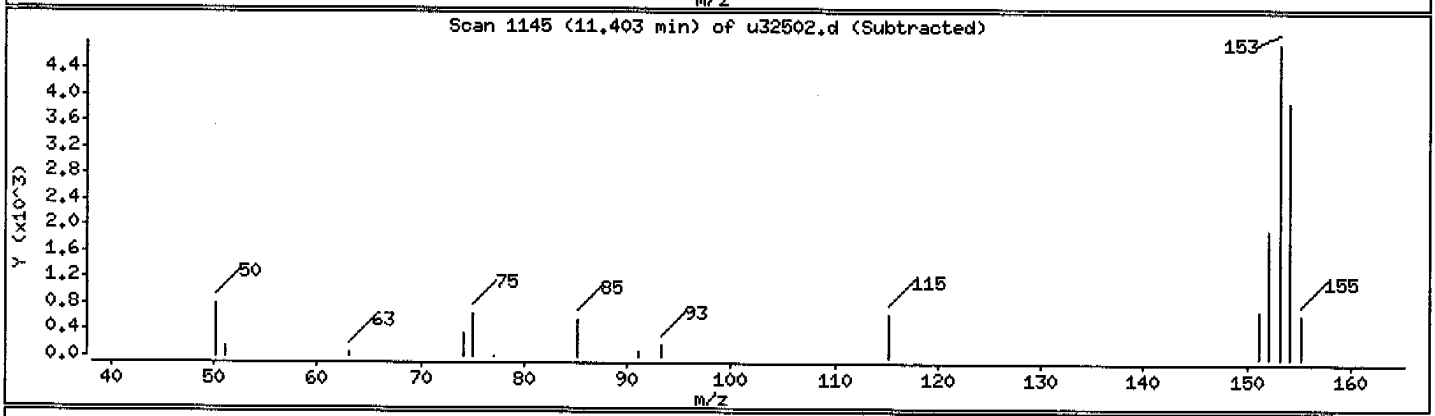
Sample Info: 775886;3287487

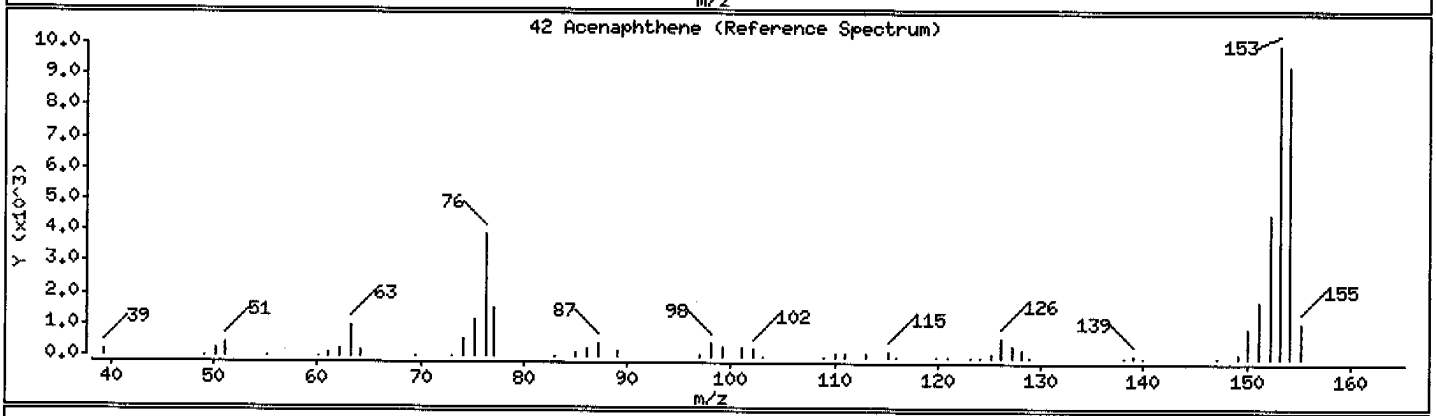
Operator: BNAMS 4

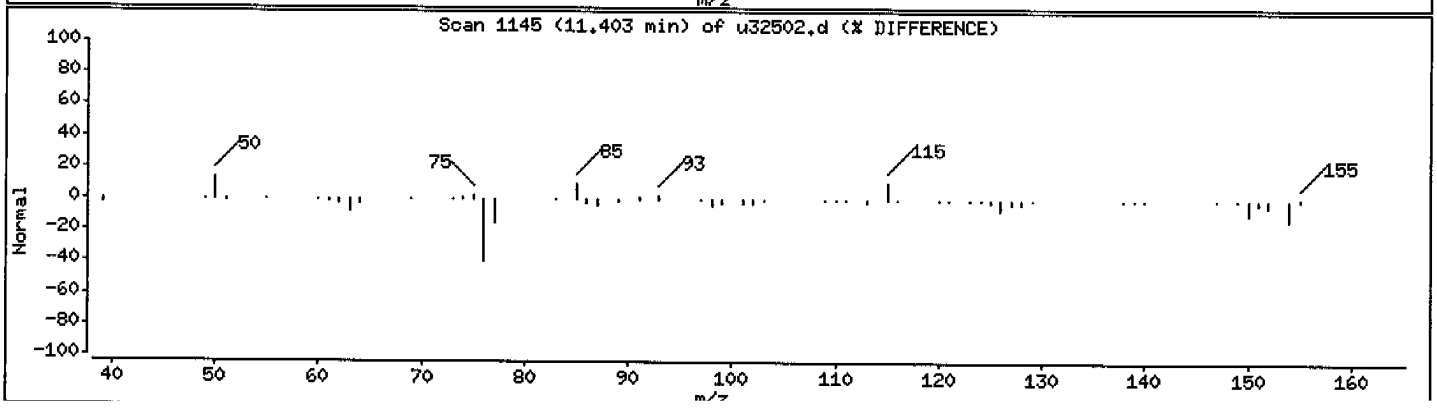
Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 33 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

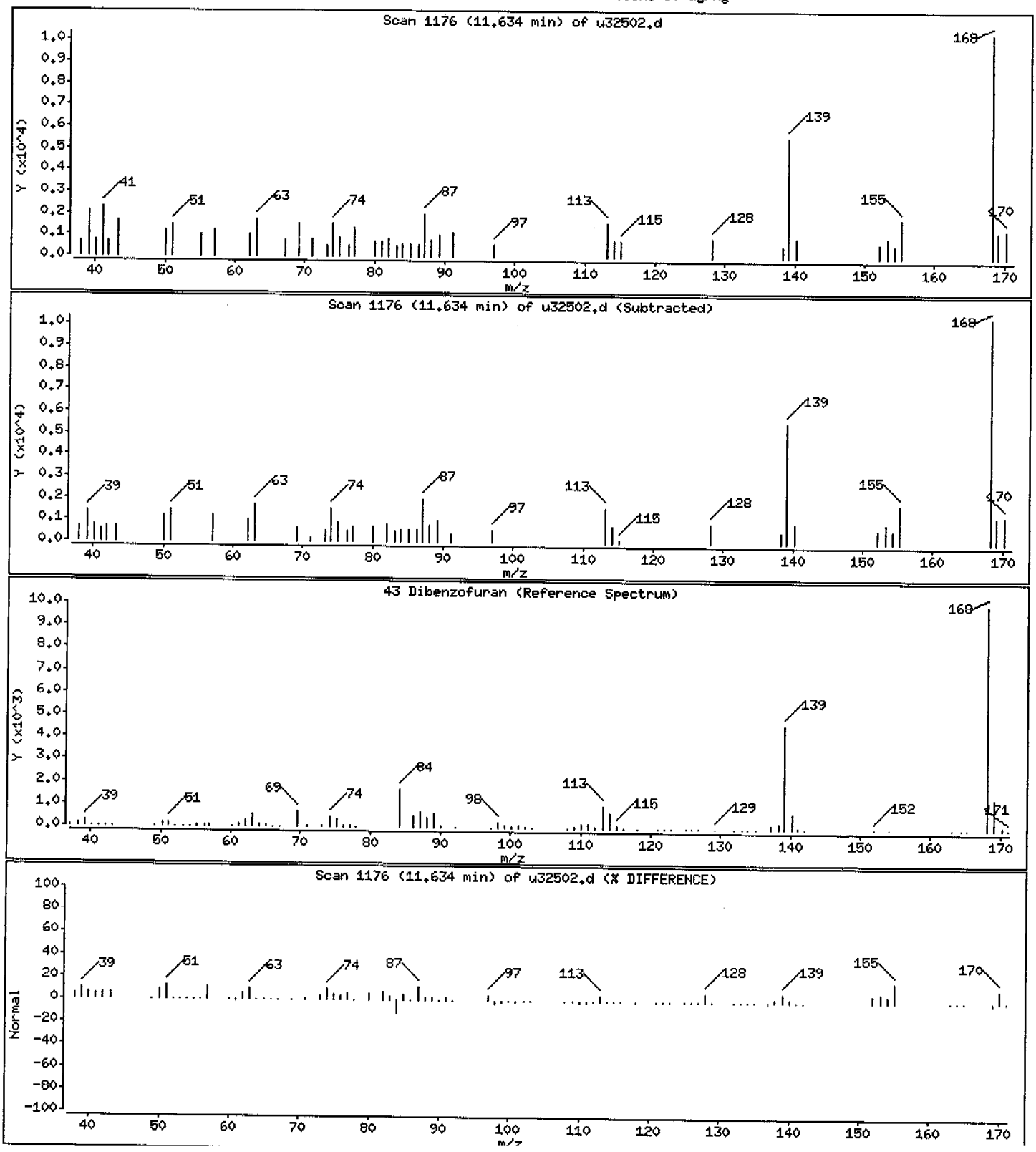
Client ID: B204-SS01 Instrument: BNAMS4.i

Sample Info: 775886;3287487

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

43 Dibenzofuran Concentration: 60 ug/Kg



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

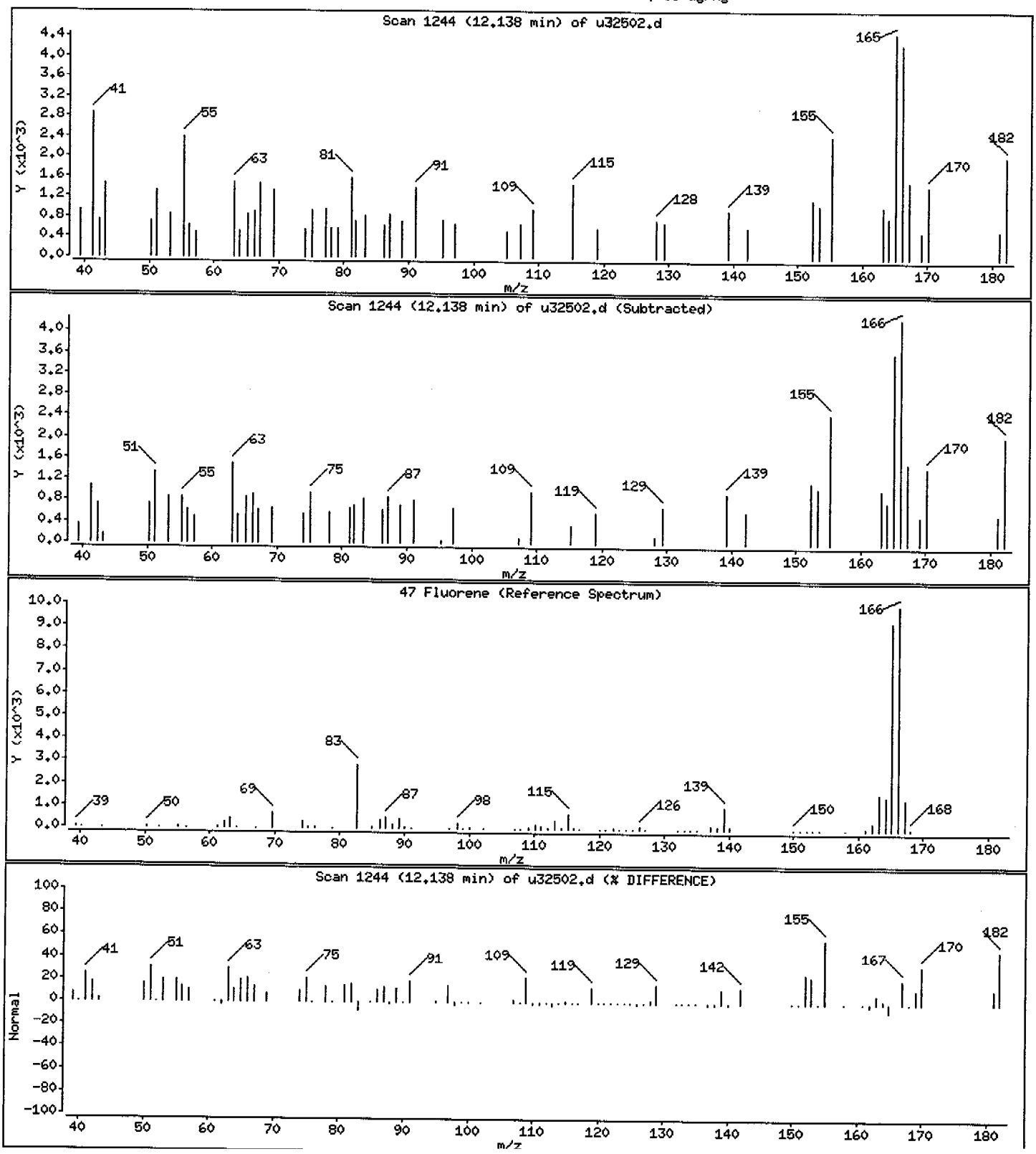
Client ID: B204-SS01 Instrument: BNAMS4.i

Sample Info: 775886;3287487

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

47 Fluorene Concentration: 35 ug/Kg



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

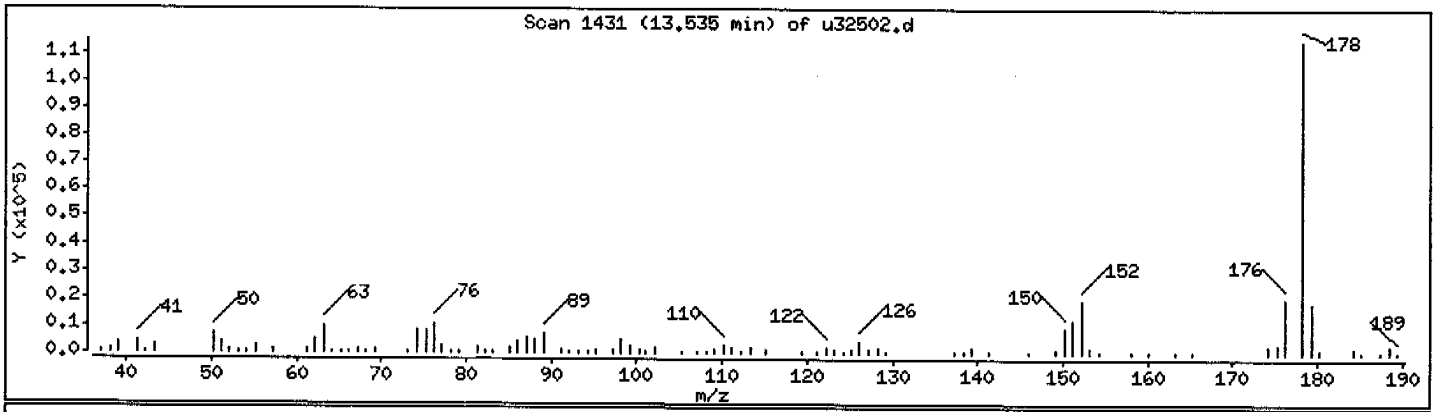
Client ID: B204-SS01 Instrument: BNAMS4.i

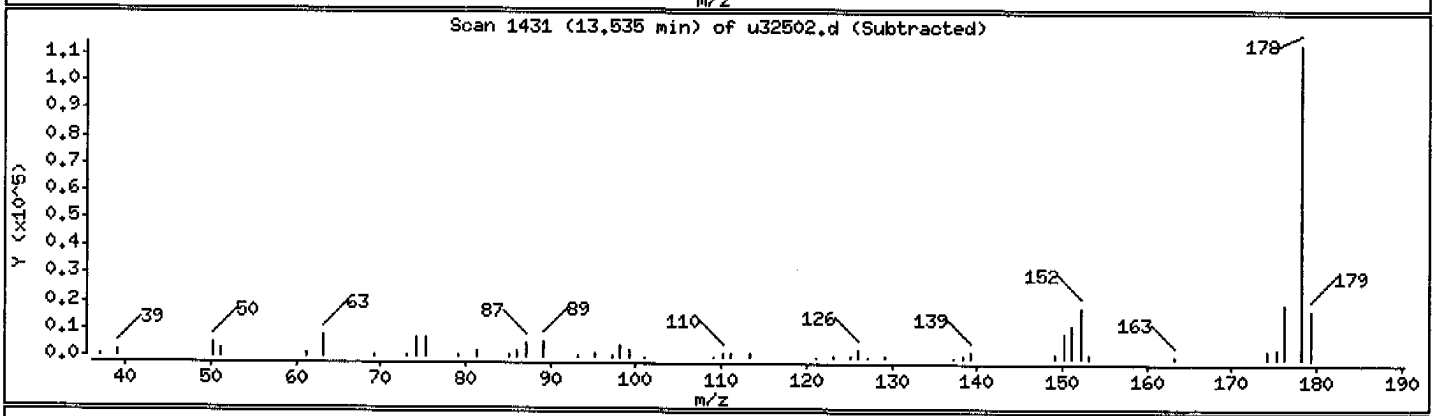
Sample Info: 775886;3287487

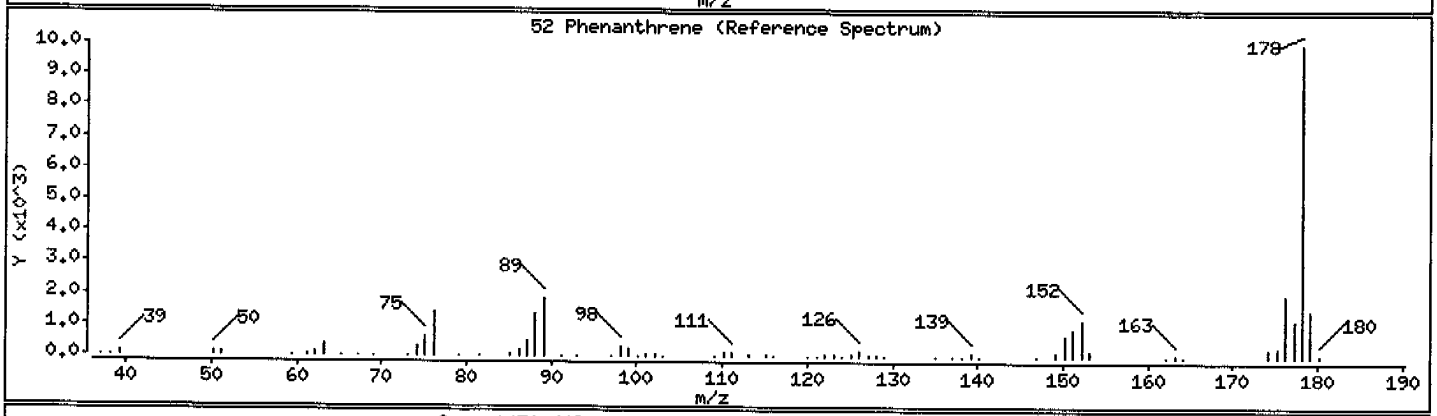
Operator: BNAMS 4

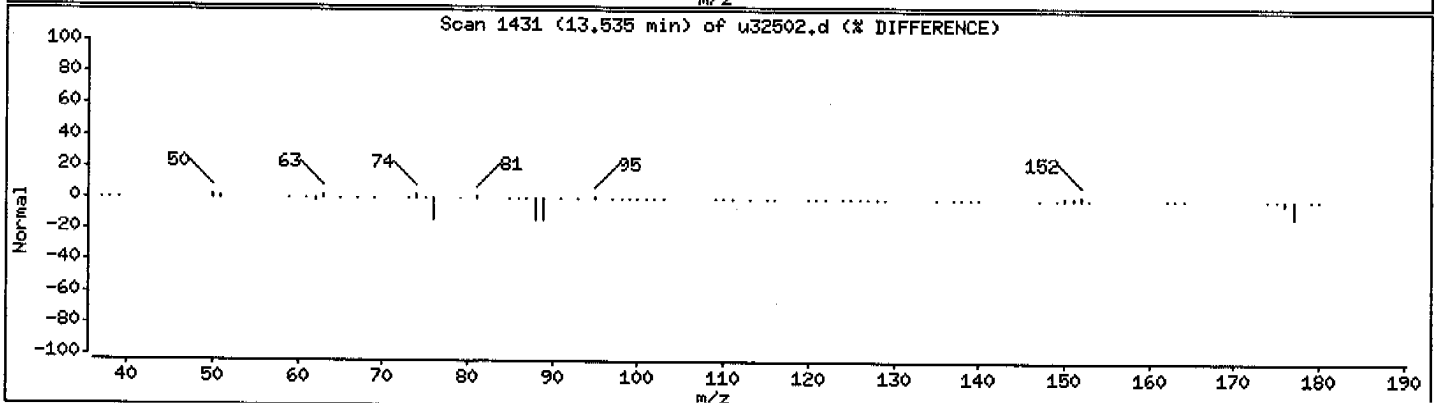
Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 560 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

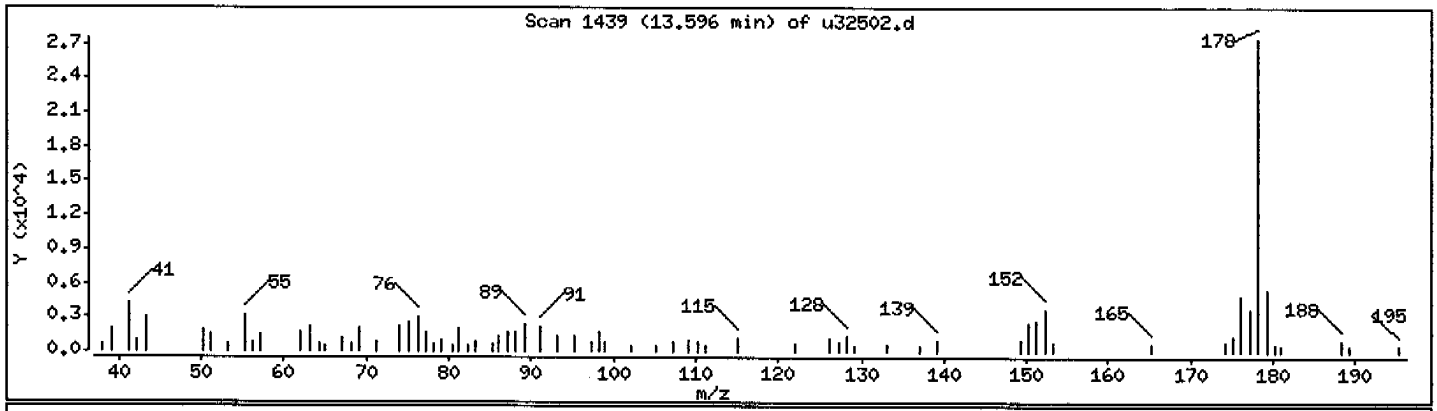
Client ID: B204-SS01 Instrument: BNAMS4.i

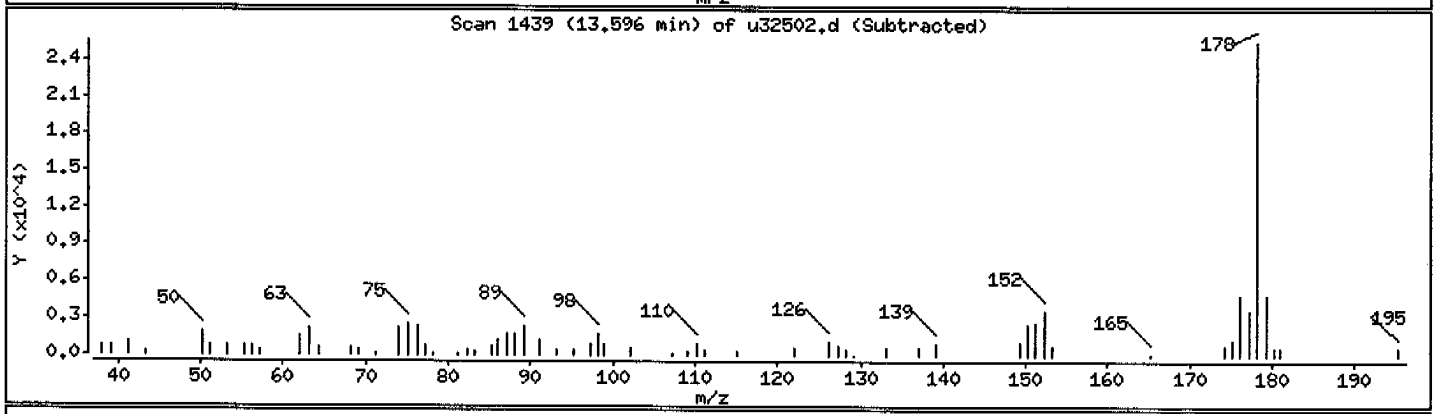
Sample Info: 775886;3287487

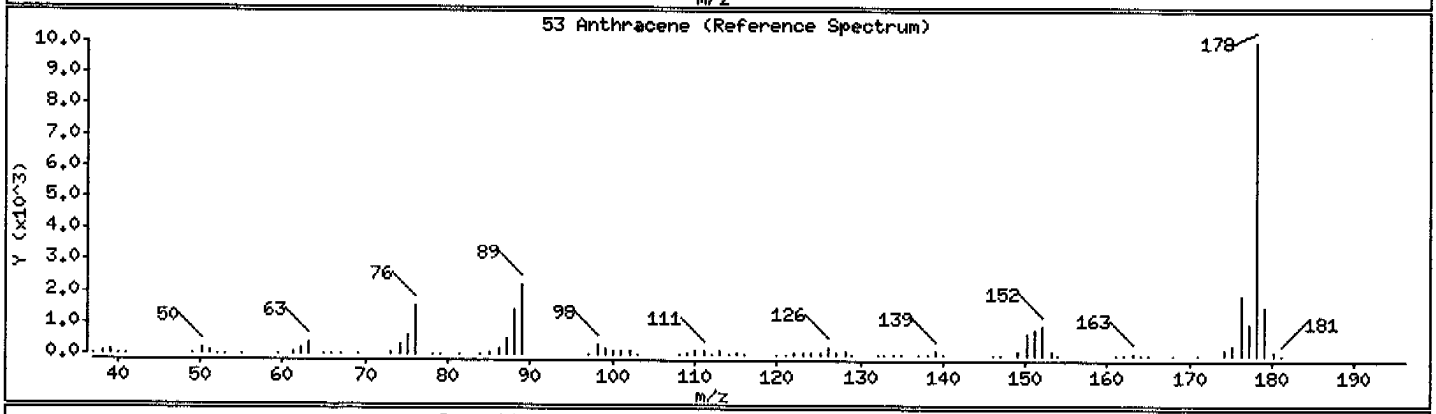
Operator: BNAMS 4

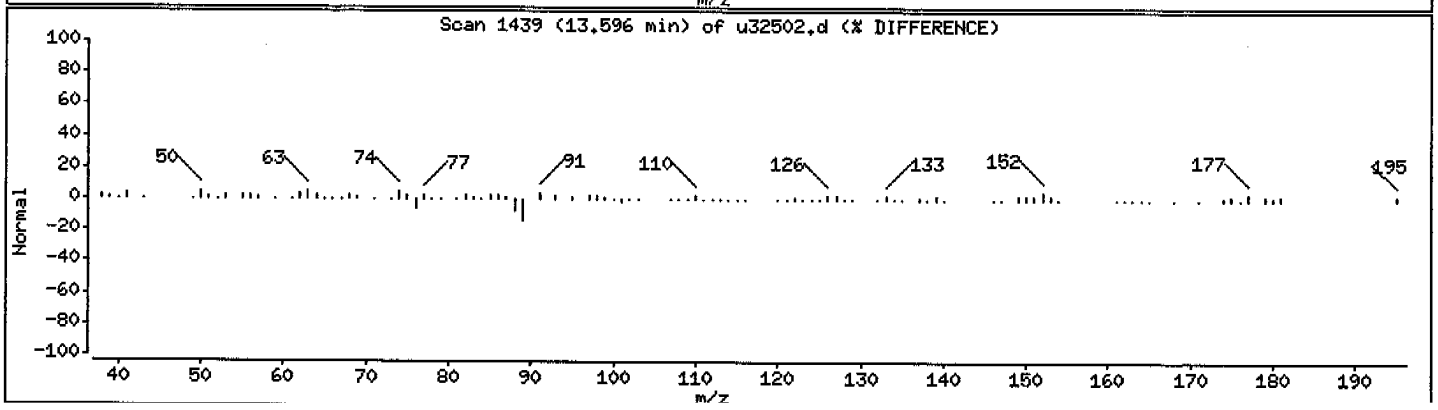
Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 150 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

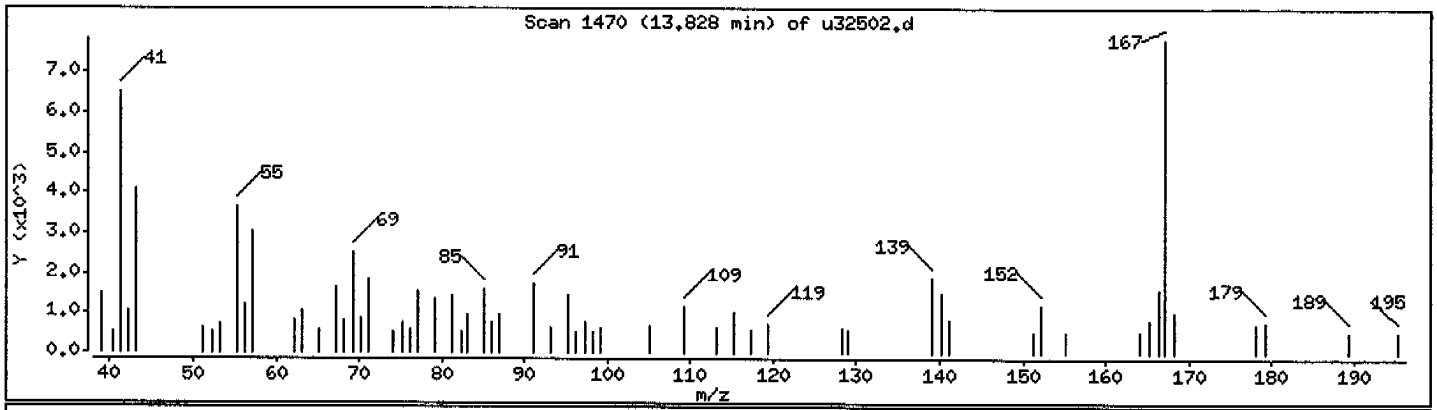
Client ID: B204-SS01 Instrument: BNAMS4.i

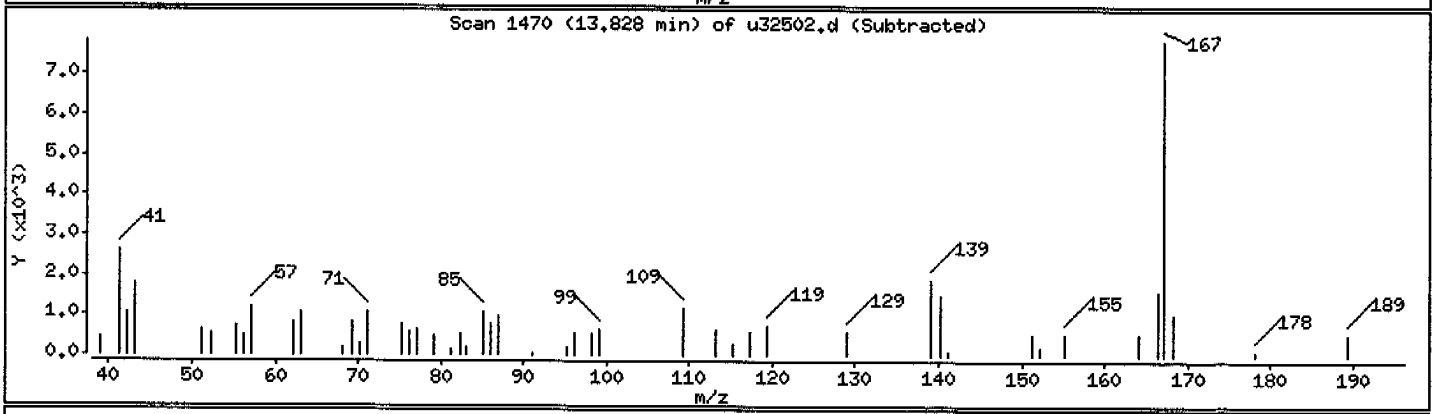
Sample Info: 775886;3287487

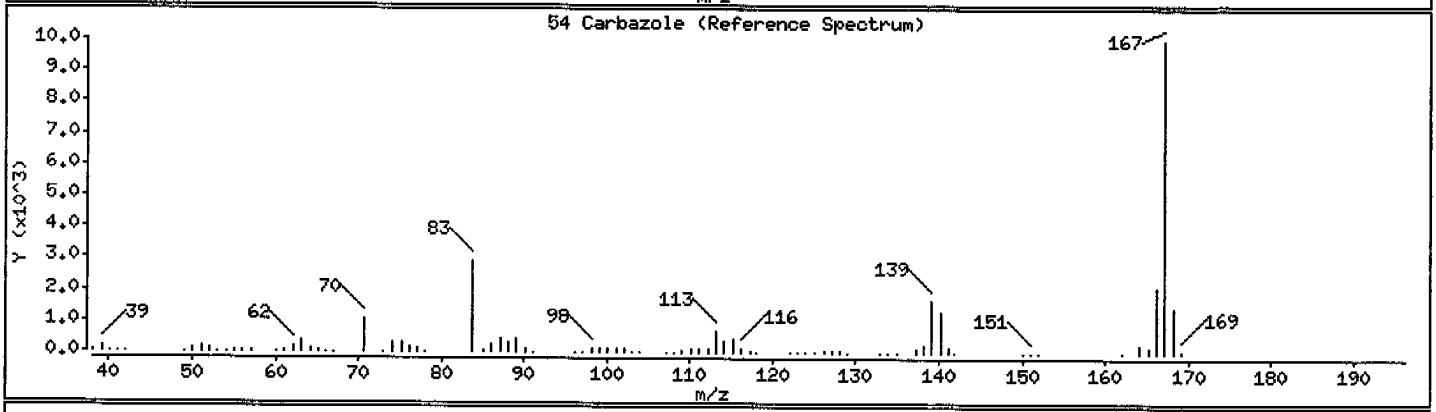
Operator: BNAMS 4

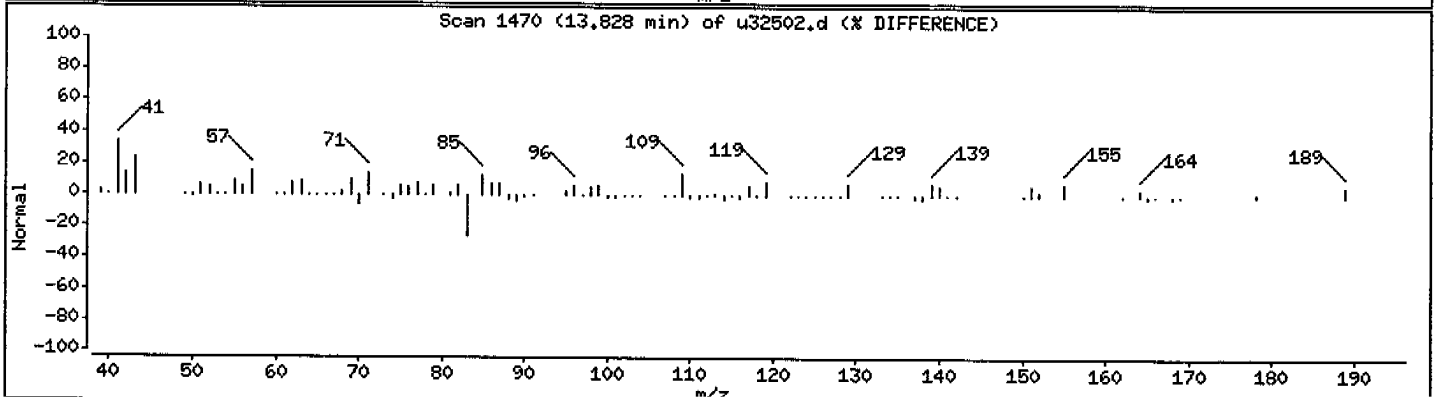
Column phase: DB-5 Column diameter: 0.25

54 Carbazole Concentration: 49 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

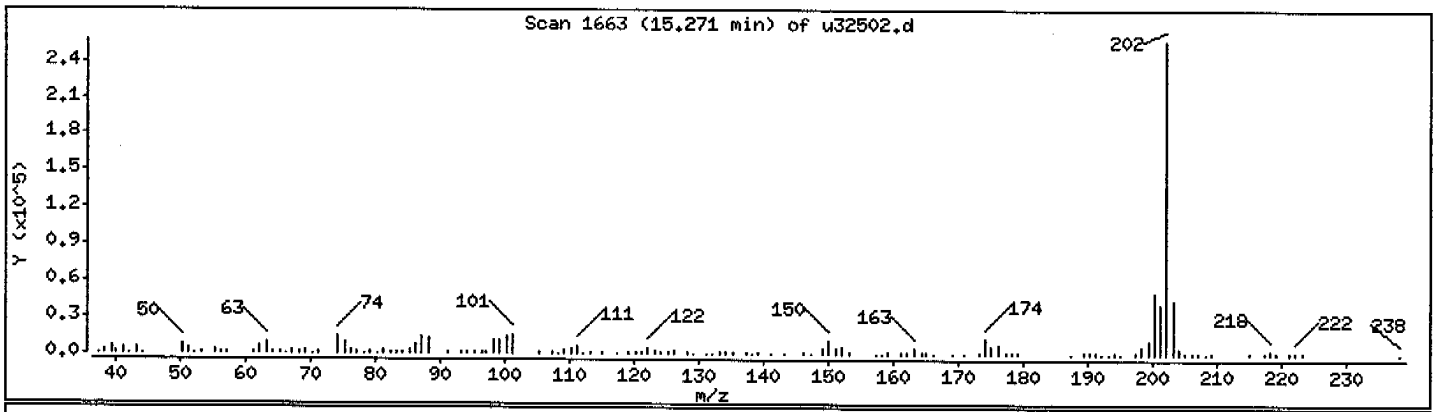
Client ID: B204-SS01 Instrument: BNAMS4.i

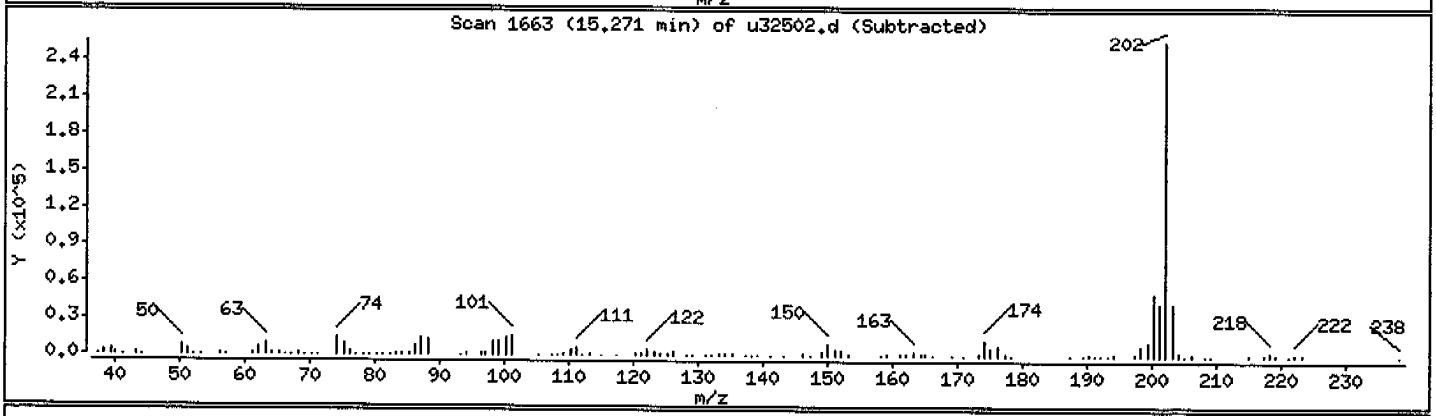
Sample Info: 775886;3287487

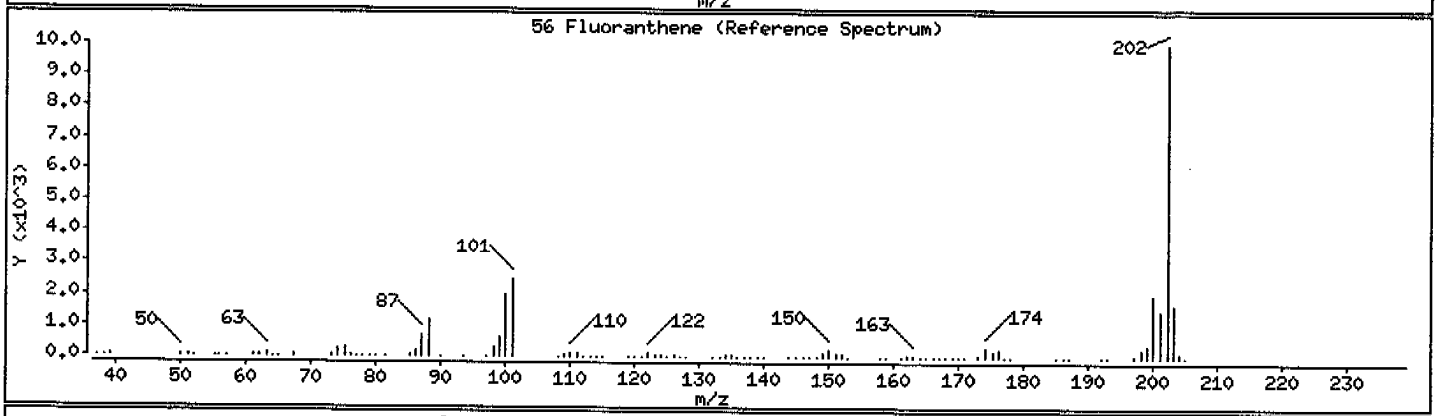
Operator: BNAMS 4

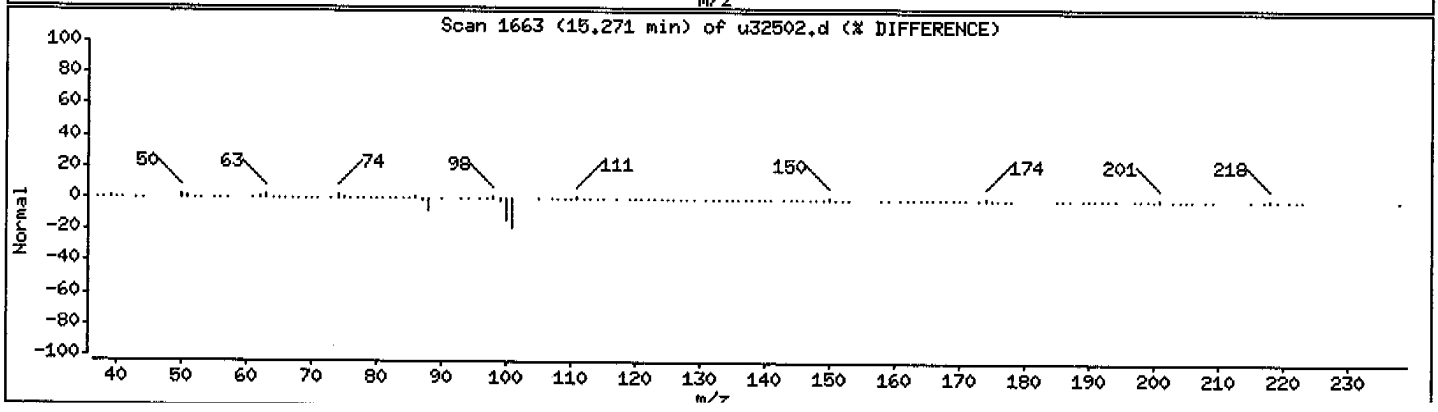
Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 940 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

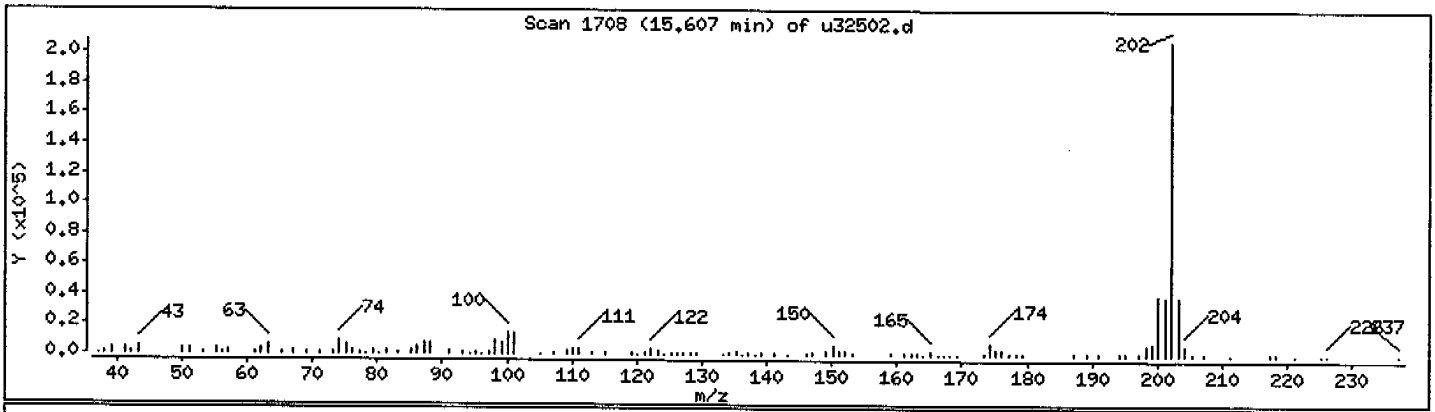
Client ID: B204-SS01 Instrument: BNAMS4.i

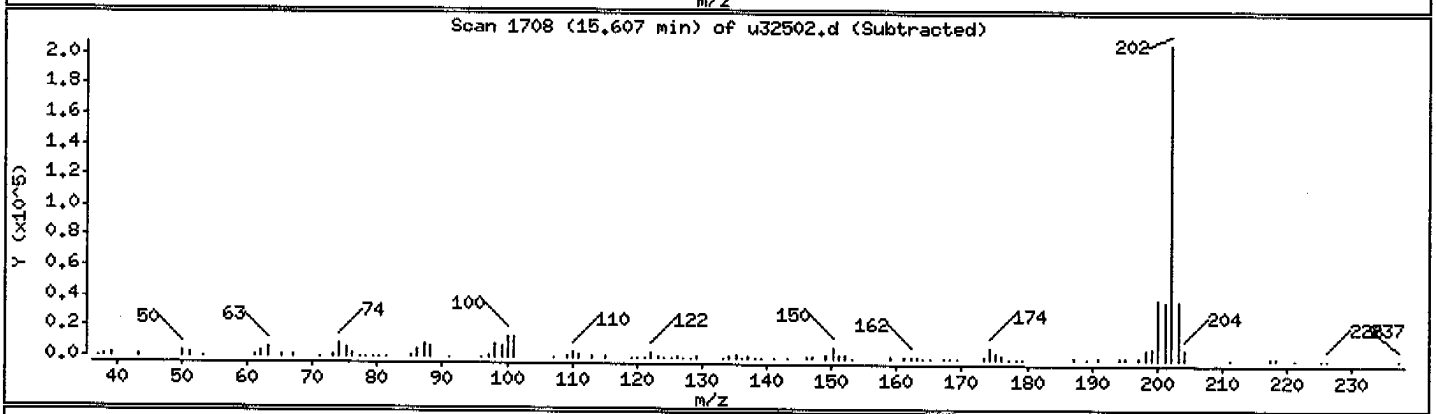
Sample Info: 775886;3287487

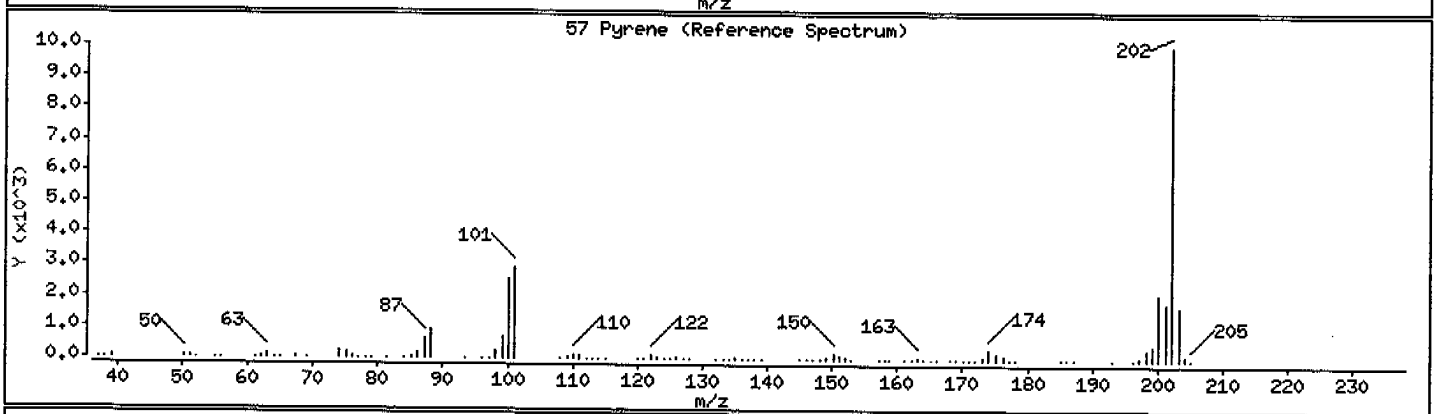
Operator: BNAMS 4

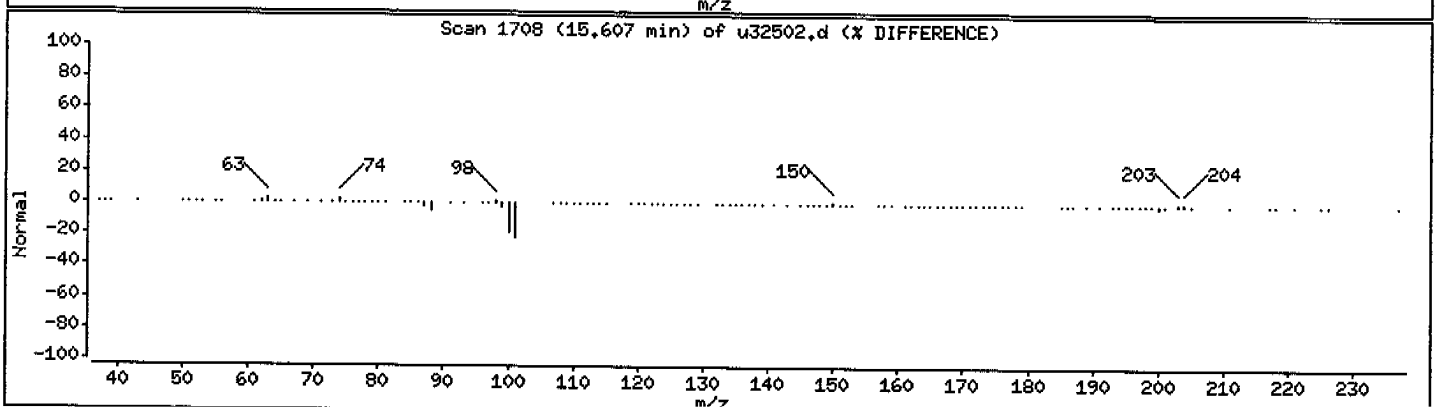
Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 920 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

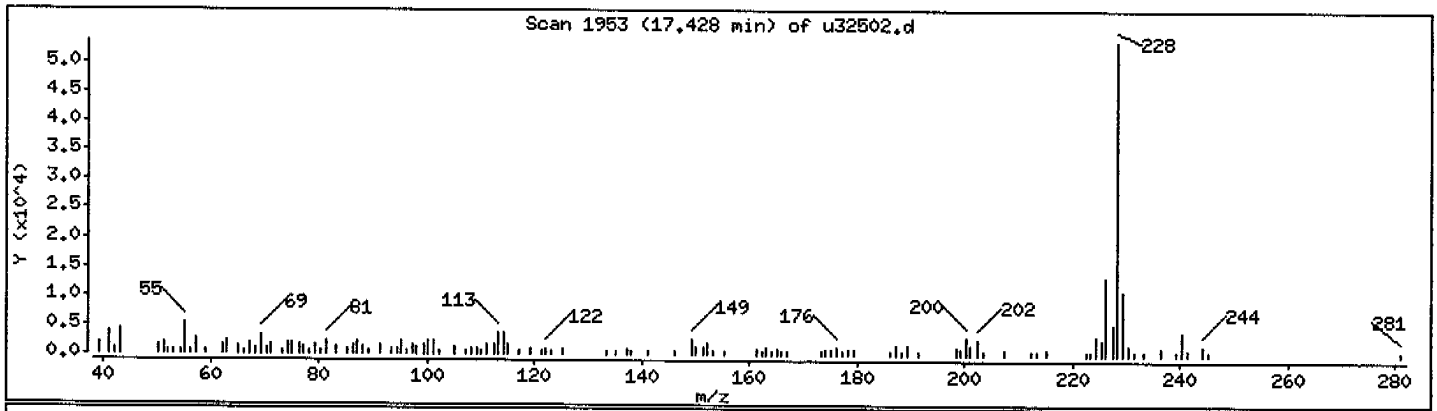
Client ID: B204-SS01 Instrument: BNAMS4.i

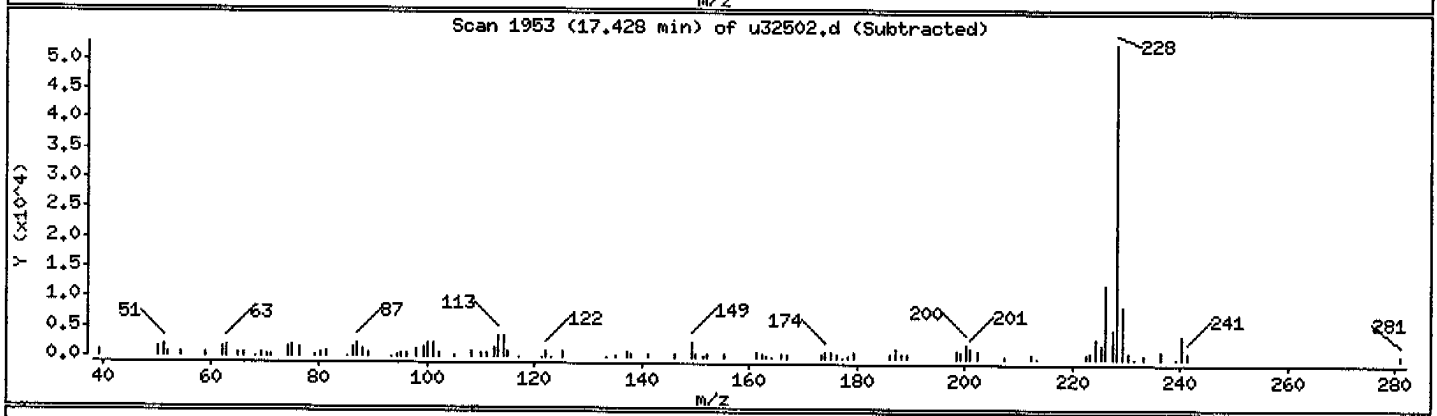
Sample Info: 775886;3287487

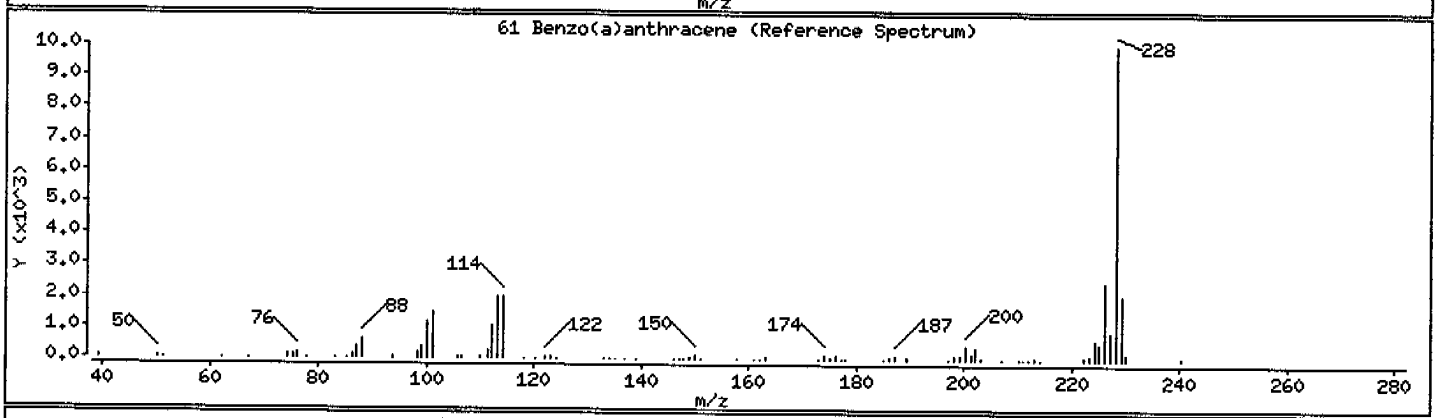
Operator: BNAMS 4

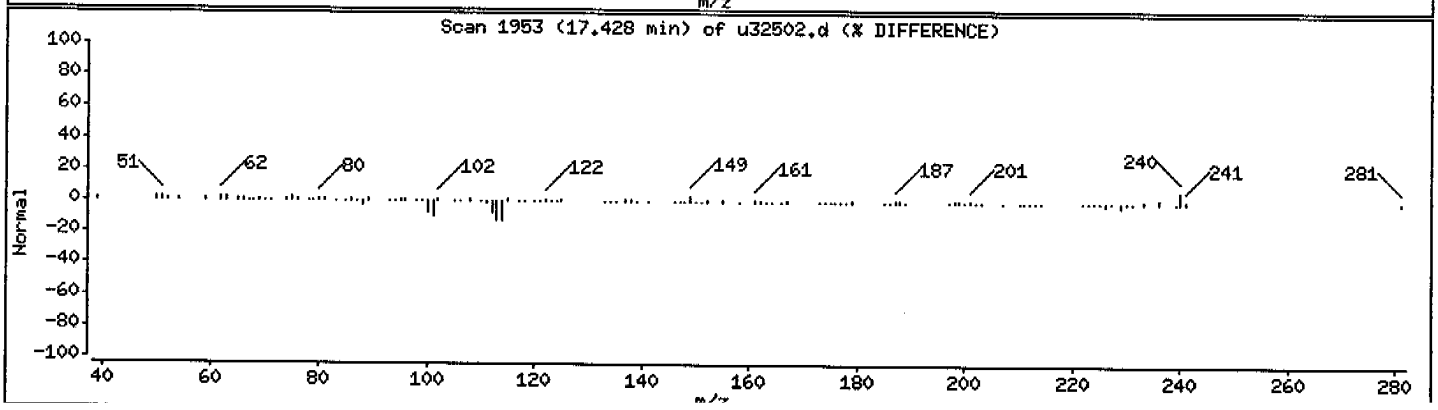
Column phase: DB-5 Column diameter: 0.25

61 Benzo(a)anthracene Concentration: 410 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

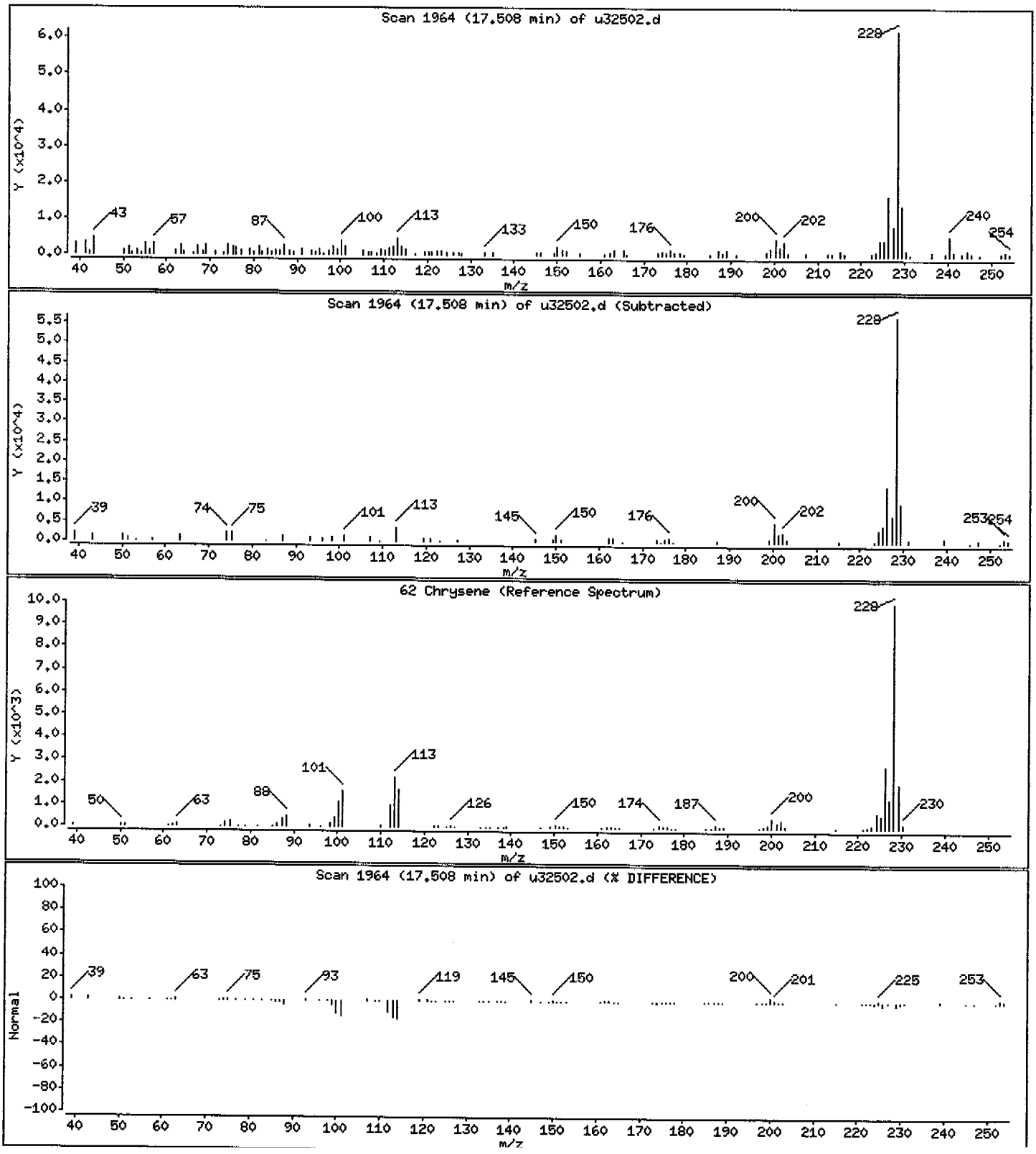
Client ID: B204-SS01 Instrument: BNAMS4.i

Sample Info: 775886;3287487

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 500 ug/Kg



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

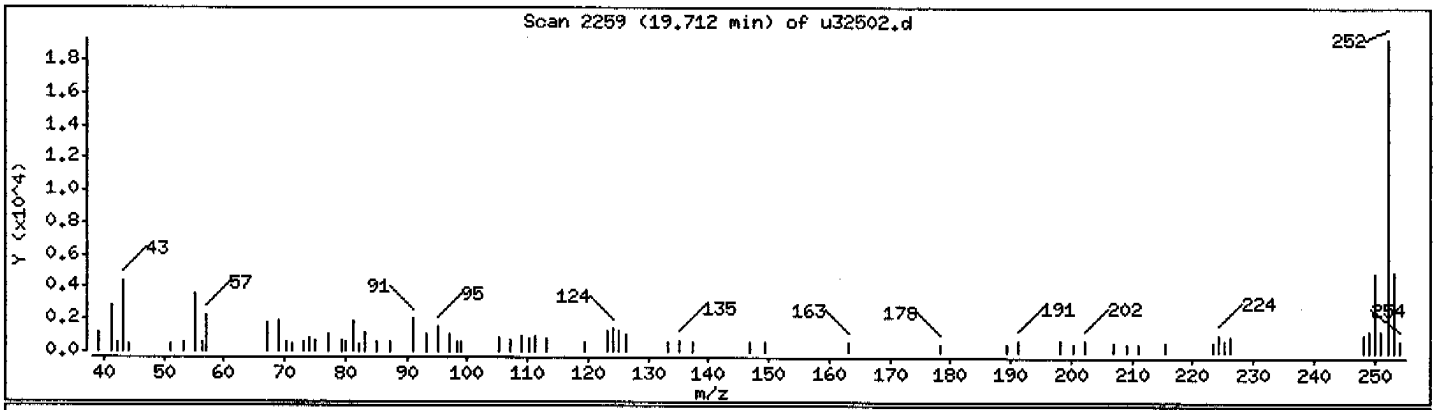
Client ID: B204-SS01 Instrument: BNAMS4.i

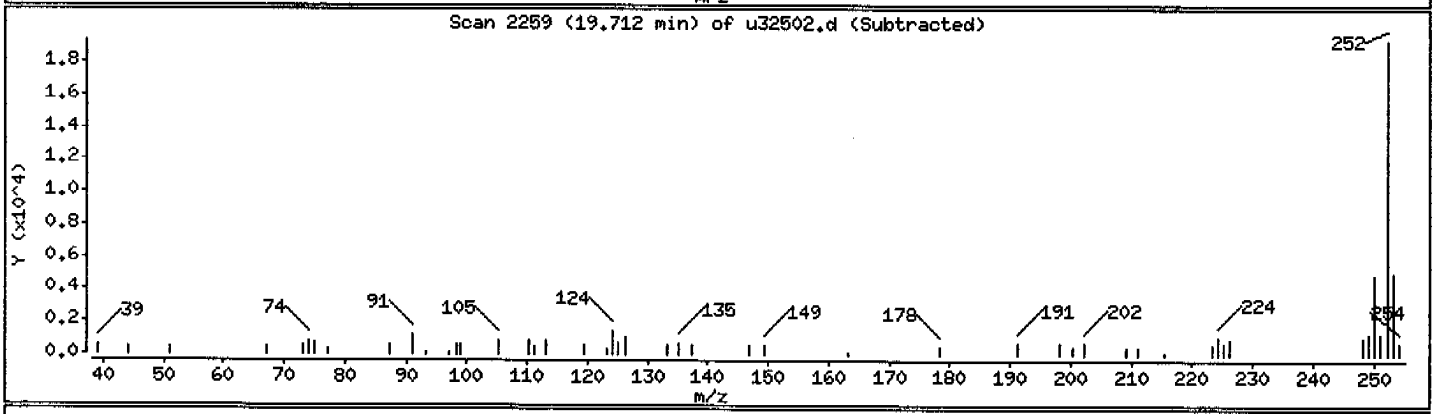
Sample Info: 775886;3287487

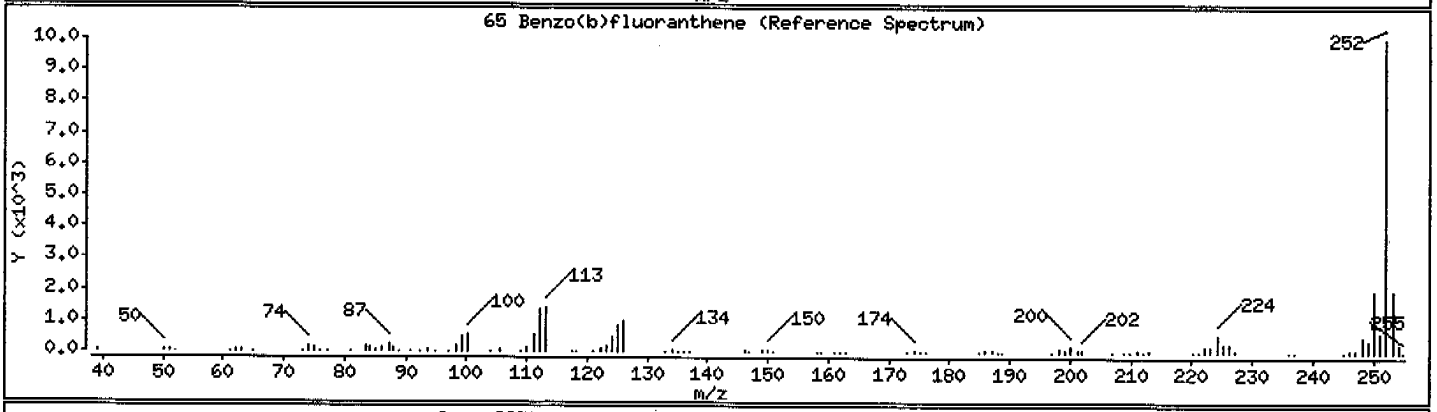
Operator: BNAMS 4

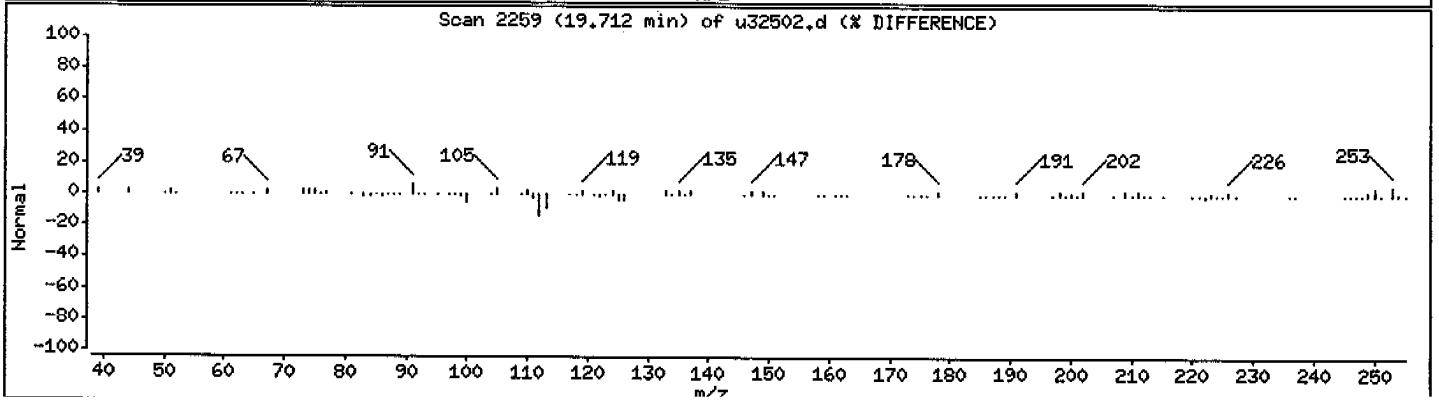
Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 590 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

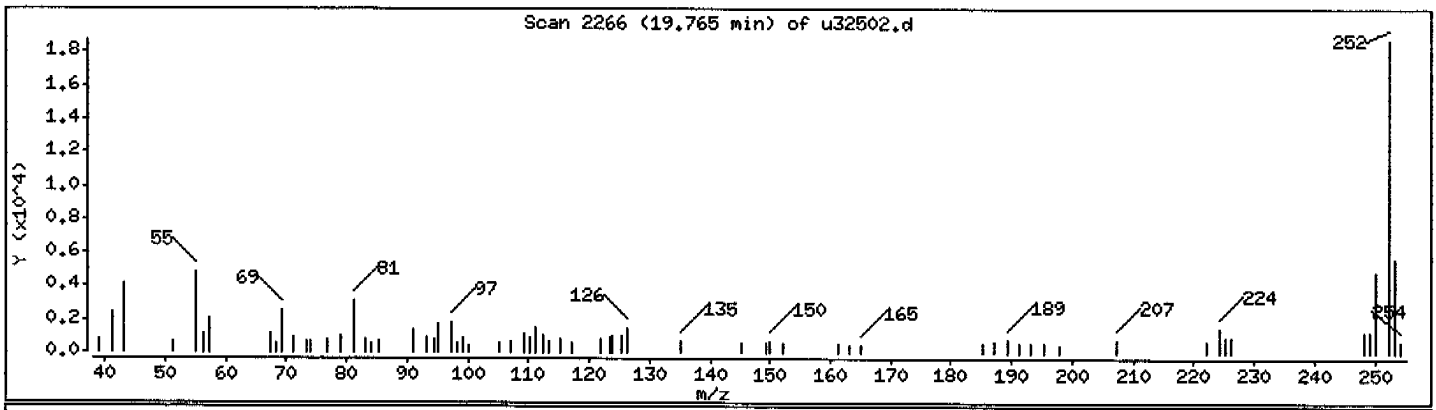
Client ID: B204-SS01 Instrument: BNAMS4.i

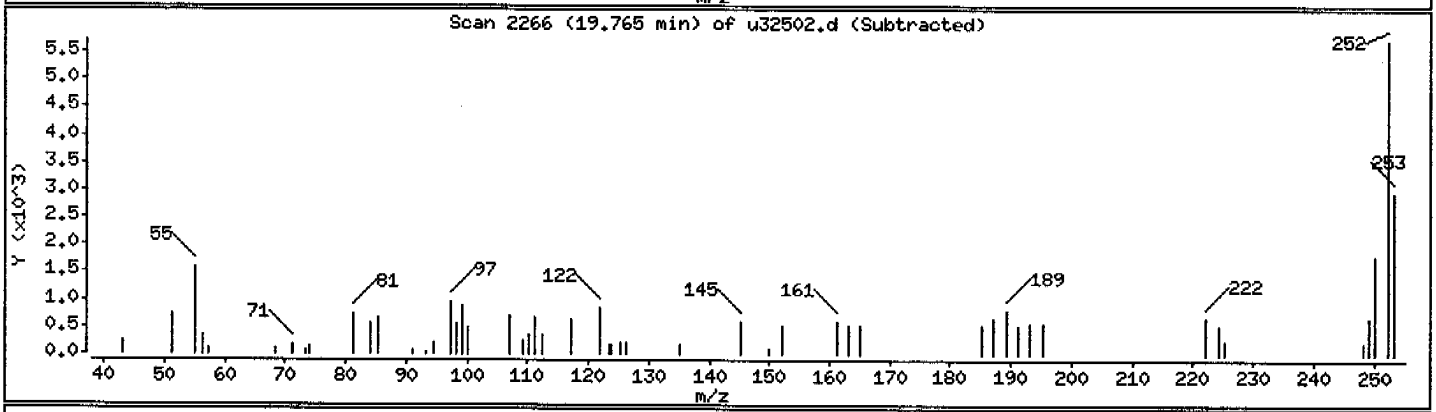
Sample Info: 775886;3287487

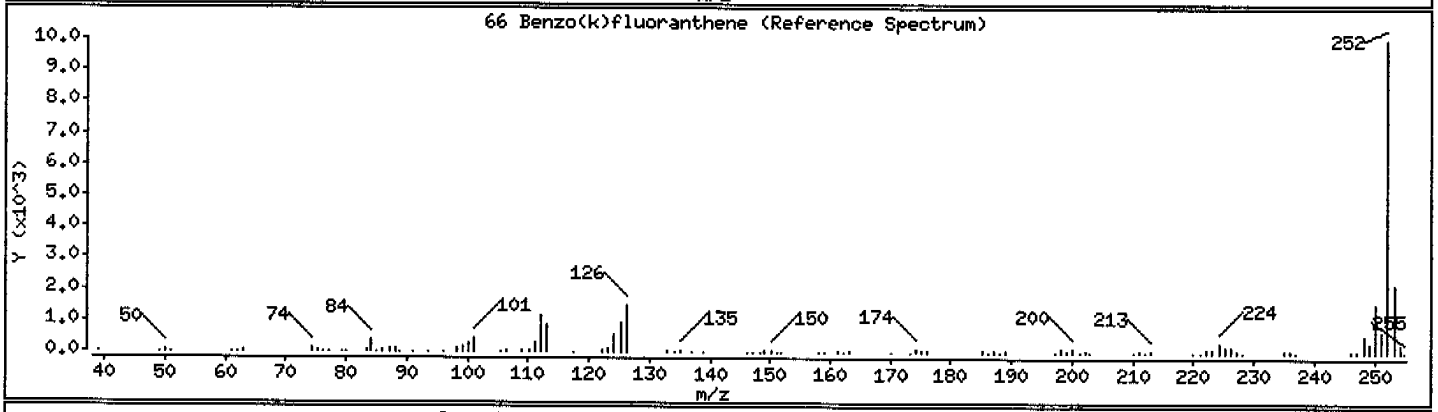
Operator: BNAMS 4

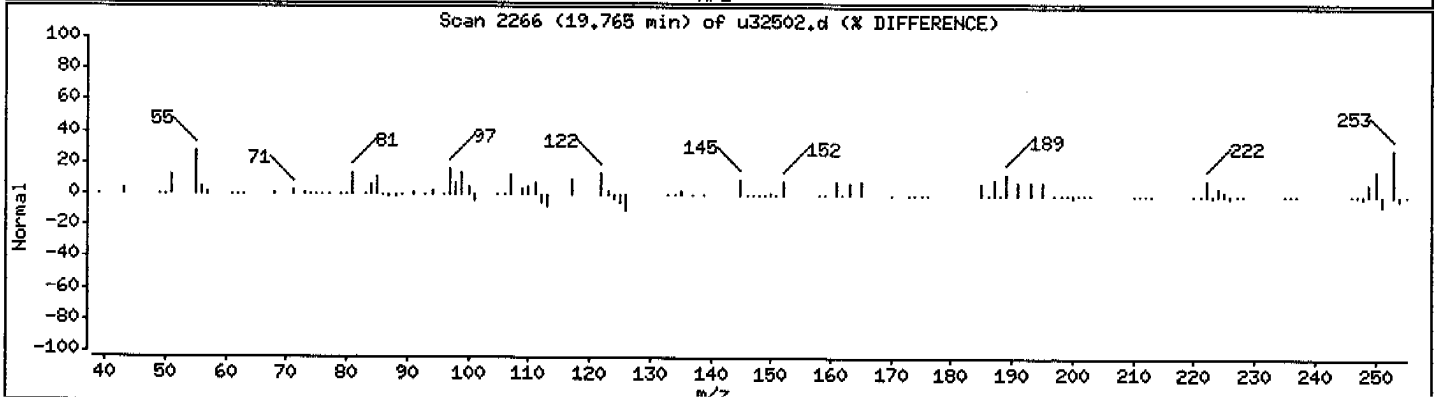
Column phase: DB-5 Column diameter: 0.25

66 Benzo(k)fluoranthene Concentration: 490 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

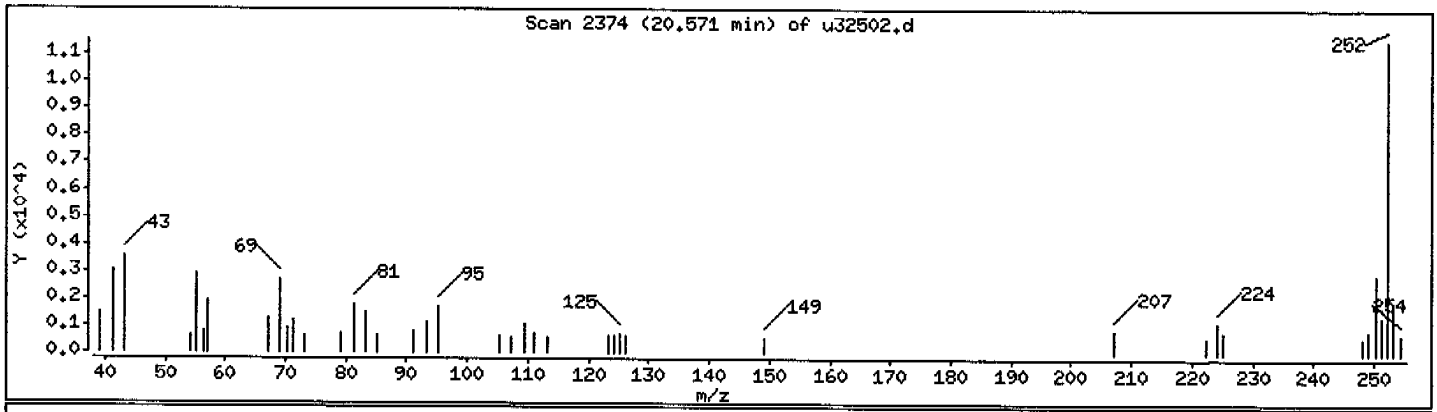
Client ID: B204-SS01 Instrument: BNAMS4.i

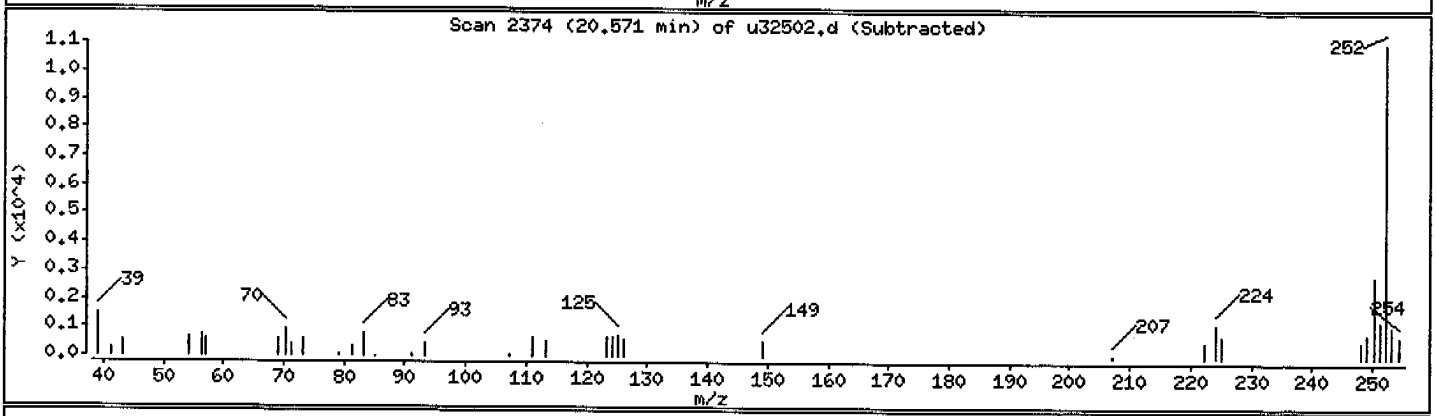
Sample Info: 775886;3287487

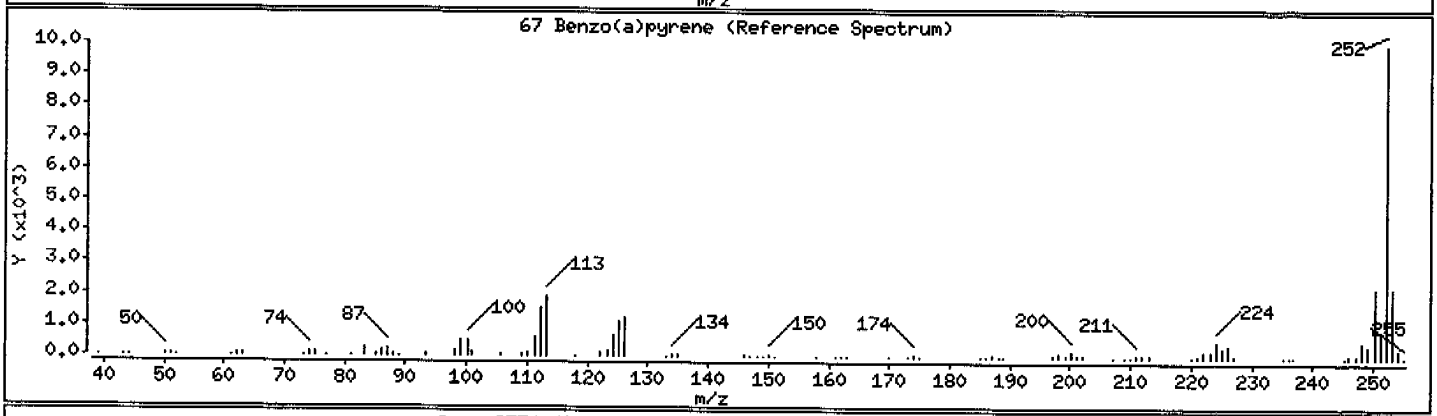
Operator: BNAMS 4

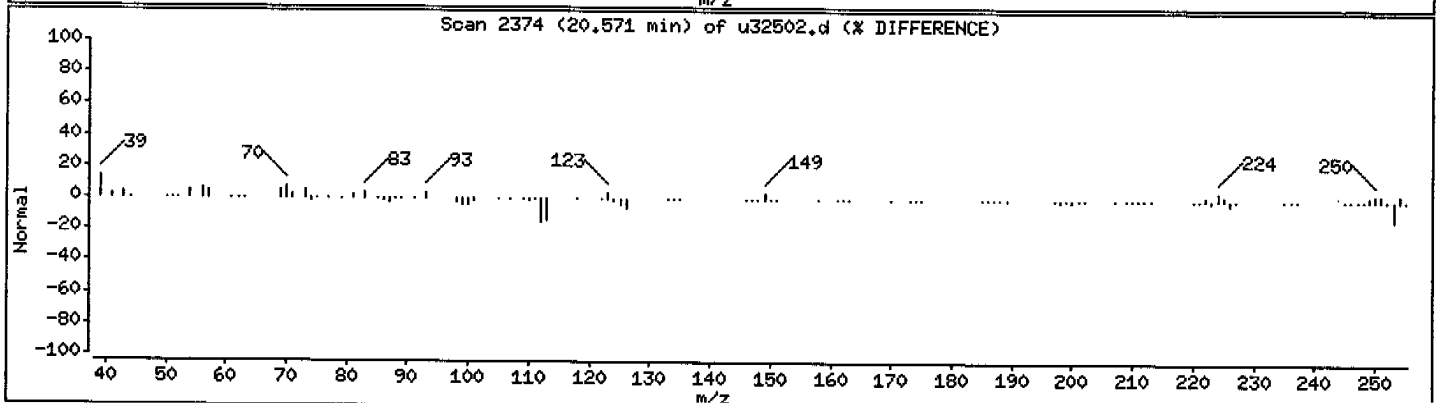
Column phase: DB-5 Column diameter: 0.25

67 Benzo(a)pyrene Concentration: 460 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

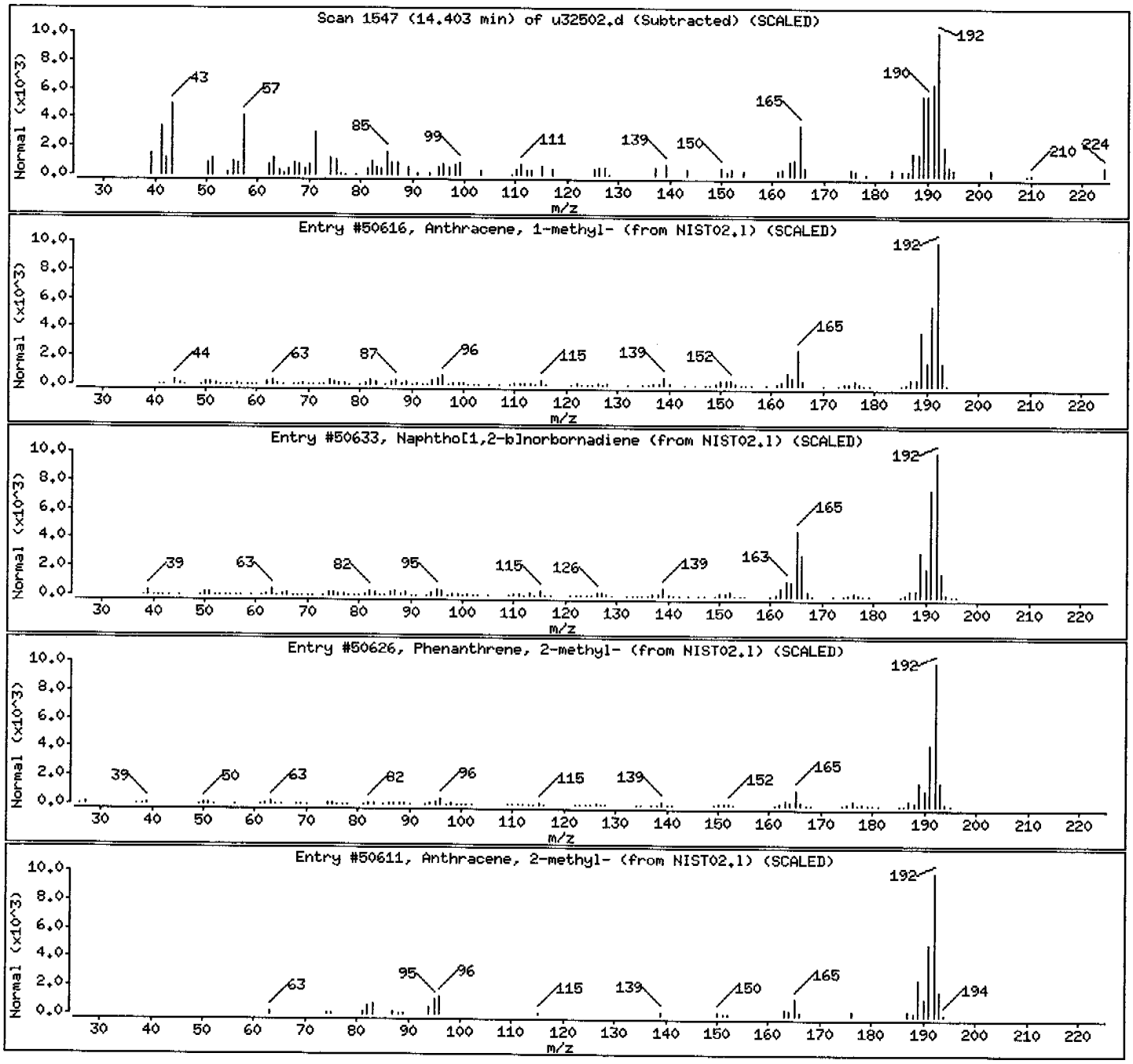
Client ID: B204-SS01 Instrument: BNAMS4.i

Sample Info: 775886;3287487

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H12 PAH						
Anthracene, 1-methyl-	610-48-0	NIST02.l	50616	92	C15H12	192
Naphtho[1,2-b]norbornadiene	1000210-14-8	NIST02.l	50633	70	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NIST02.l	50626	64	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST02.l	50611	64	C15H12	192



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32502.d

Date : 12-OCT-2006 04:06

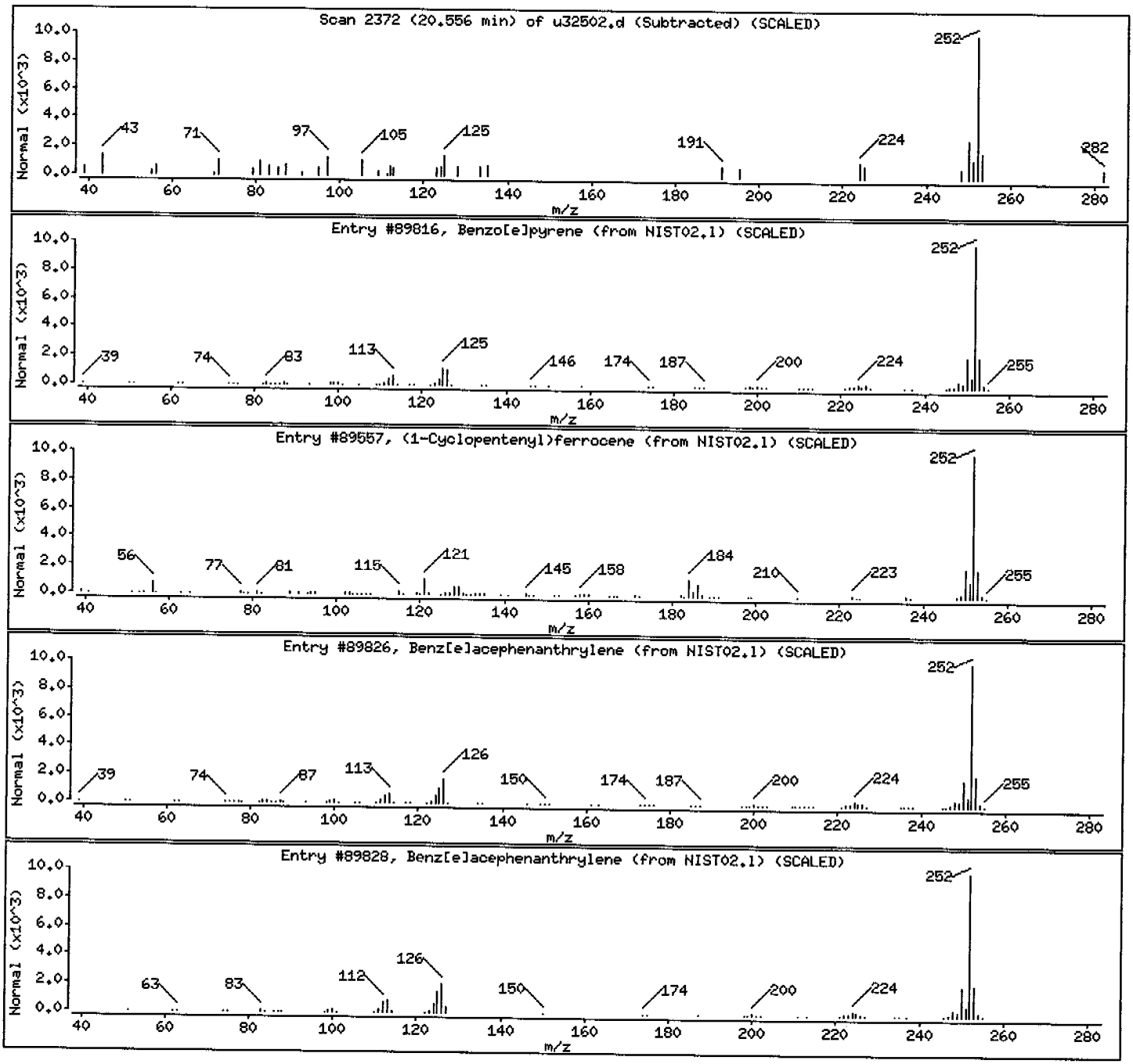
Client ID: B204-SS01 Instrument: BNAMS4.i

Sample Info: 775886;3287487

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzo[e]pyrene	192-97-2	NIST02.l	89816	70	C20H12	252
(1-Cyclopentenyl)ferrocene	12260-67-2	NIST02.l	89557	64	C15H16Fe	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89826	58	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST02.l	89828	58	C20H12	252



Client ID: **B204-SS01D**
Site: Sun Chemical SI

Lab Sample No: **775887**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32503.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	86 J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	77
2-Methylnaphthalene	63 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	770
Dimethylphthalate	ND	380
Acenaphthylene	110 J	380
2,6-Dinitrotoluene	ND	77
3-Nitroaniline	ND	770
Acenaphthene	14 J	380
Dibenzofuran	43 J	380
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	29 J	380
4-Nitroaniline	ND	770
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	220 J	380
Anthracene	120 J	380

Client ID: **B204-SS01D**
Site: Sun Chemical SI

Lab Sample No: **775887**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32503.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	26 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	350 J	380
Pyrene	590	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	260	38
Chrysene	340 J	380
bis(2-Ethylhexyl)phthalate	96 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	450	38
Benzo(k)fluoranthene	310	38
Benzo(a)pyrene	320	38
Indeno(1,2,3-cd)pyrene	ND	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	ND	380

Client ID: **B204-SS01D**
Site: Sun Chemical SI

Lab Sample No: **775887**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/12/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32503.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 13.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d
Report Date: 13-Oct-2006 14:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d
Lab Smp Id: 775887 Client Smp ID: B204-SS01D
Inj Date : 12-OCT-2006 04:43
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 775887;3287504
Misc Info : Y024;SB281;QA4676
Comment :
Method : /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/8270C6-1.m
Meth Date : 13-Oct-2006 14:25 kathys Quant Type: ISTD
Cal Date : 11-OCT-2006 15:47 Cal File: u32483.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.415	5.393	(0.769)	324106	54.0518	4200
$ 17 Phenol-d5 (SUR)	99	6.594	6.585	(0.937)	559314	65.7441	5100
* 79 1,4-Dichlorobenzene-d4	152	7.040	7.033	(1.000)	157473	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.835	7.831	(0.889)	465989	45.3187	3500
* 80 Naphthalene-d8	136	8.818	8.812	(1.000)	641898	40.0000	
31 Naphthalene	128	8.841	8.842	(1.003)	17127	1.12121	86(a)
34 2-Methylnaphthalene	142	9.822	9.817	(1.114)	10299	0.81928	63(a)
$ 77 2-Fluorobiphenyl (SUR)	172	10.368	10.360	(0.912)	640082	48.3845	3700
39 Acenaphthylene	152	11.146	11.145	(0.980)	25103	1.46245	110(a)
* 82 Acenaphthene-d10	164	11.369	11.359	(1.000)	422403	40.0000	
42 Acenaphthene	154	11.406	11.411	(1.003)	1938	0.18837	14(a)
43 Dibenzofuran	168	11.632	11.634	(1.023)	9308	0.55973	43(a)
47 Fluorene	166	12.130	12.133	(1.067)	5024	0.37611	29(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	12.527	12.521	(1.102)	146441	43.8597	3400

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d
Report Date: 13-Oct-2006 14:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 83 Phenanthrene-d10	188	13.506	13.496	(1.000)	718883	40.0000	
52 Phenanthrene	178	13.536	13.534	(1.002)	53903	2.91722	220(a)
53 Anthracene	178	13.595	13.600	(1.007)	29422	1.62166	120(a)
54 Carbazole	167	13.827	13.831	(1.024)	5842	0.33156	26(a)
56 Fluoranthene	202	15.269	15.266	(1.131)	125561	4.55243	350(a)
57 Pyrene	202	15.604	15.609	(0.893)	129195	7.69564	590
$ 78 Terphenyl-d14 (SUR)	244	15.799	15.795	(0.905)	819914	68.8963	5300
63 bis(2-Ethylhexyl)phthalate	149	17.409	17.407	(0.997)	15784	1.24863	96(a)
61 Benzo(a)anthracene	228	17.424	17.428	(0.998)	52179	3.43883	260
* 81 Chrysene-d12	240	17.467	17.466	(1.000)	528663	40.0000	
62 Chrysene	228	17.502	17.519	(1.002)	56881	4.38941	340(a)
65 Benzo(b)fluoranthene	252	19.715	19.741	(0.951)	26885	5.86886	450
66 Benzo(k)fluoranthene	252	19.767	19.801	(0.954)	22503	4.07766	310
67 Benzo(a)pyrene	252	20.564	20.591	(0.992)	15687	4.09989	320
* 84 Perylene-d12	264	20.728	20.749	(1.000)	117587	40.0000	

QC Flag Legend

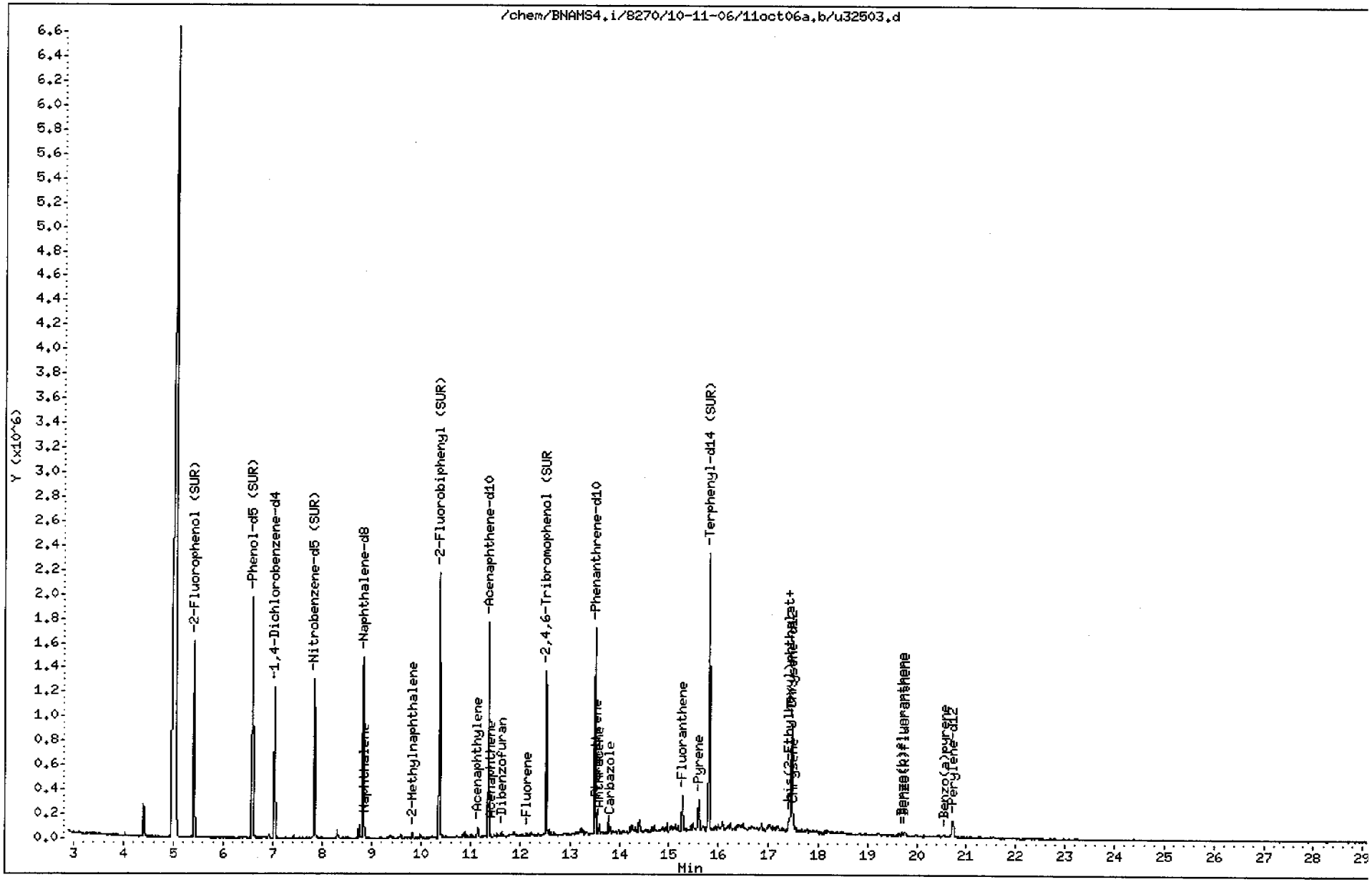
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d
Date : 12-OCT-2006 04:43
Client ID: B204-SS01D
Sample Info: 775887;3287504

Instrument: BNAMS4.i

Operator: BNAMS 4
Column diameter: 0.25

Column phase: DB-5



STL Edison
Y024
66

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

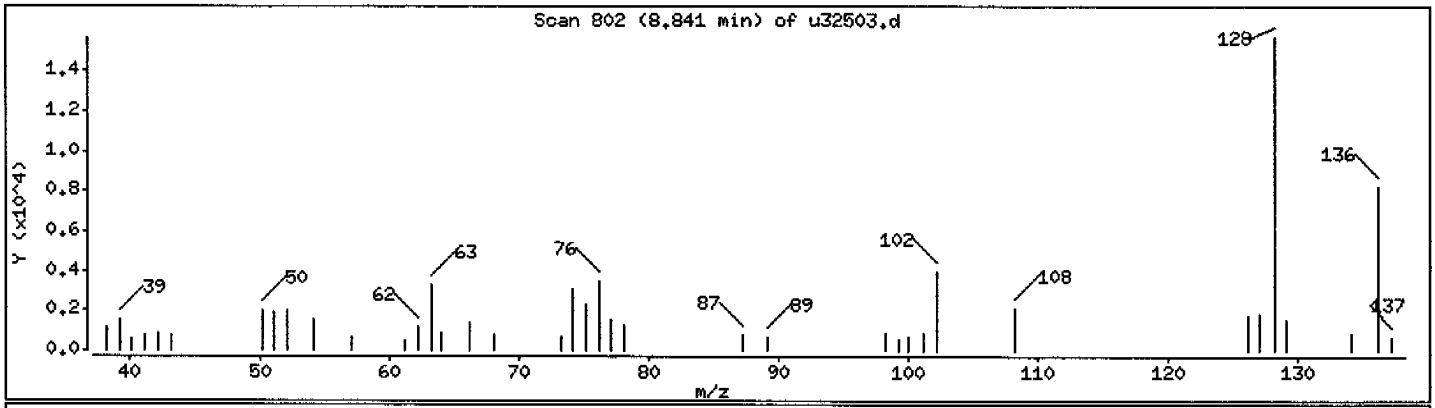
Operator: BNAMS 4

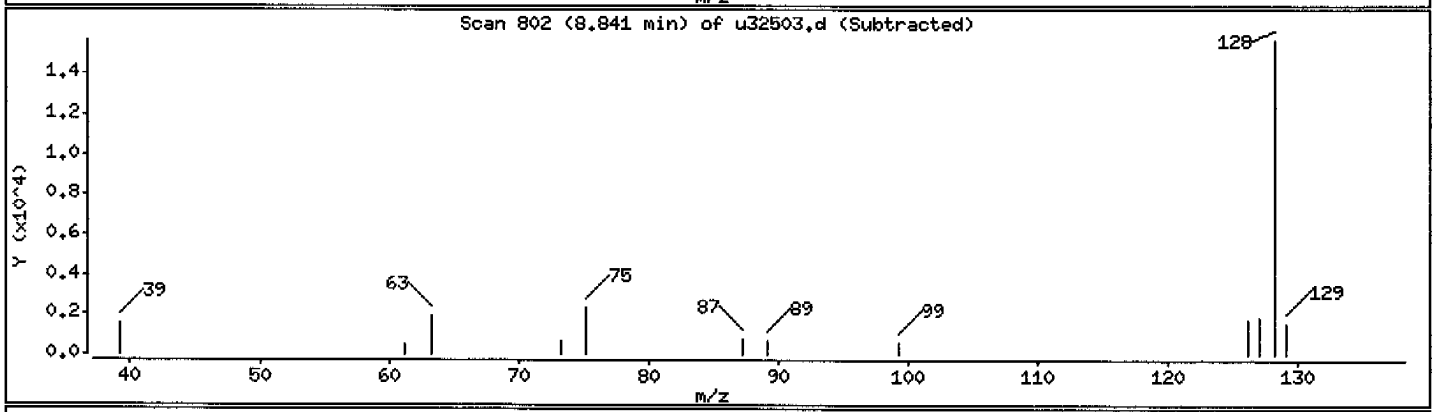
Column phase: DB-5

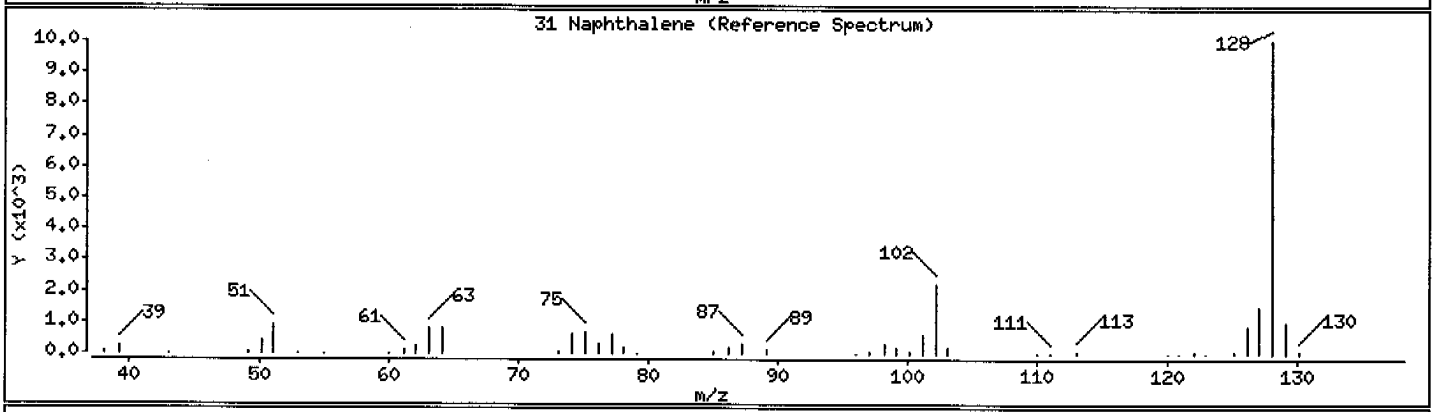
Column diameter: 0.25

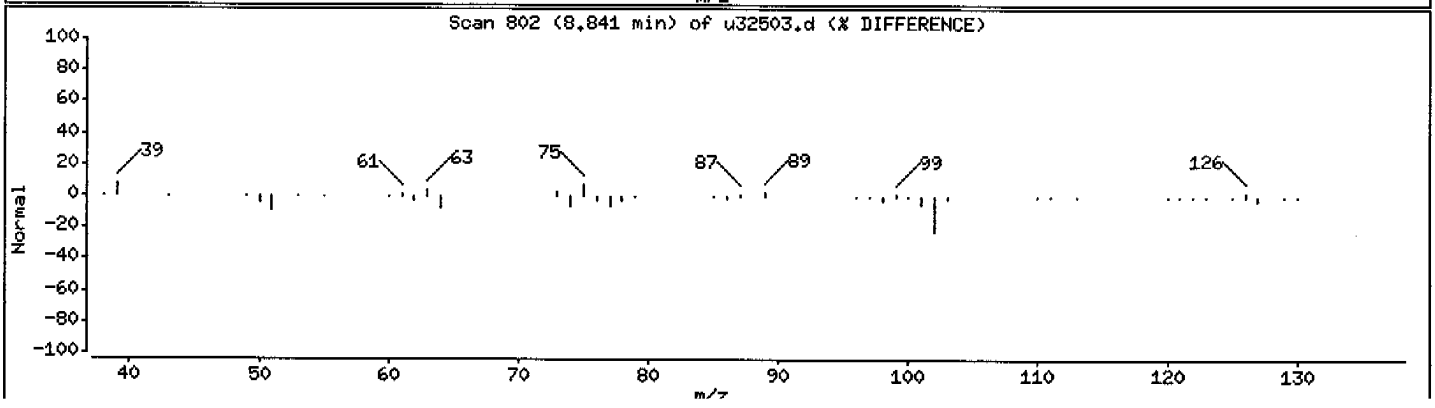
31 Naphthalene

Concentration: 86 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

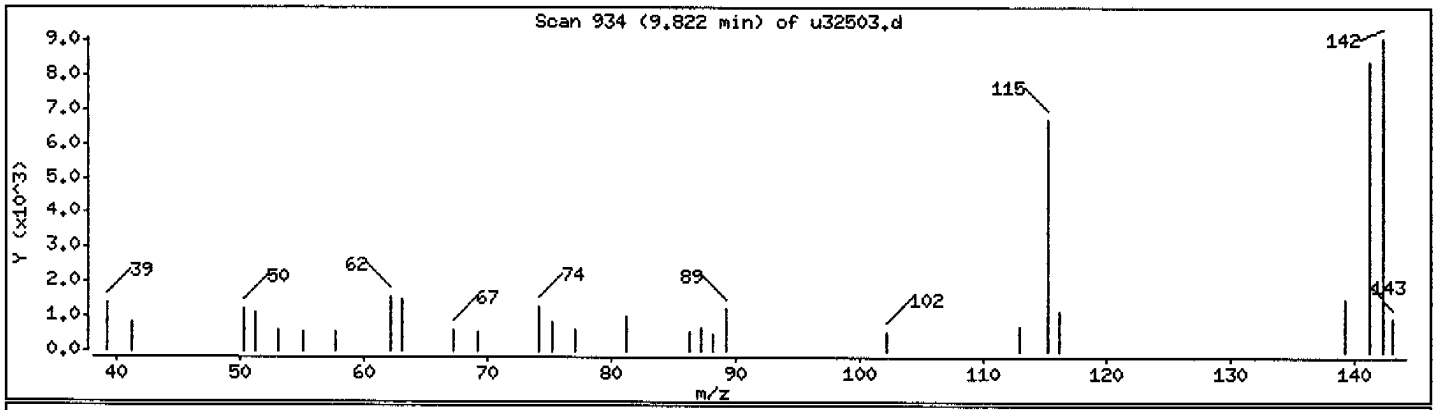
Operator: BNAMS 4

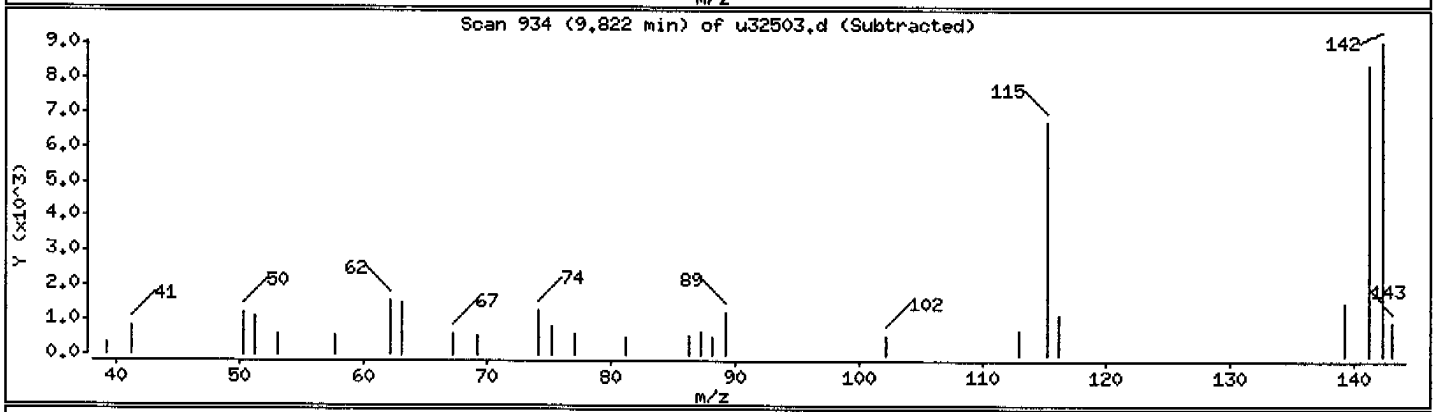
Column phase: DB-5

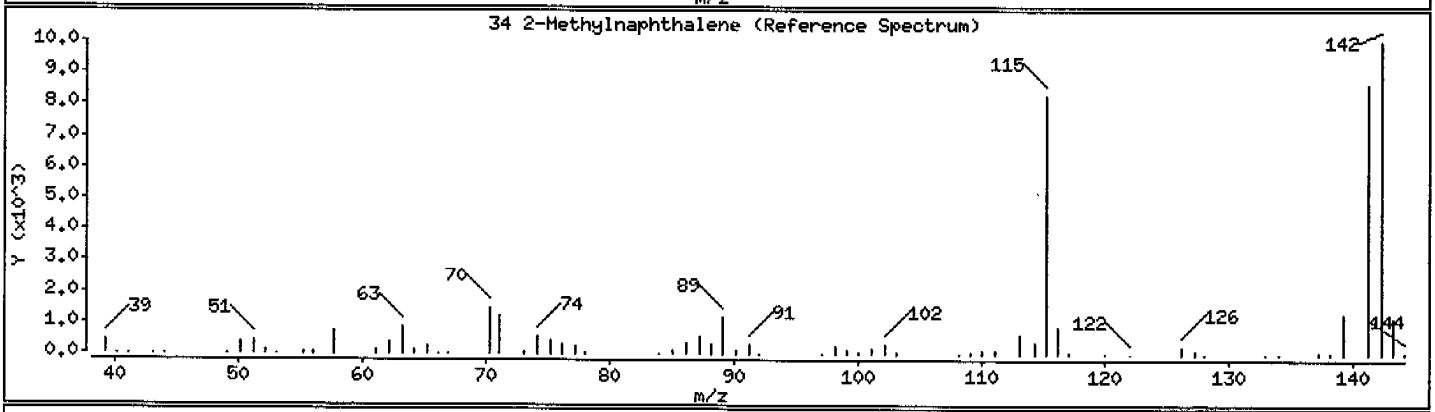
Column diameter: 0.25

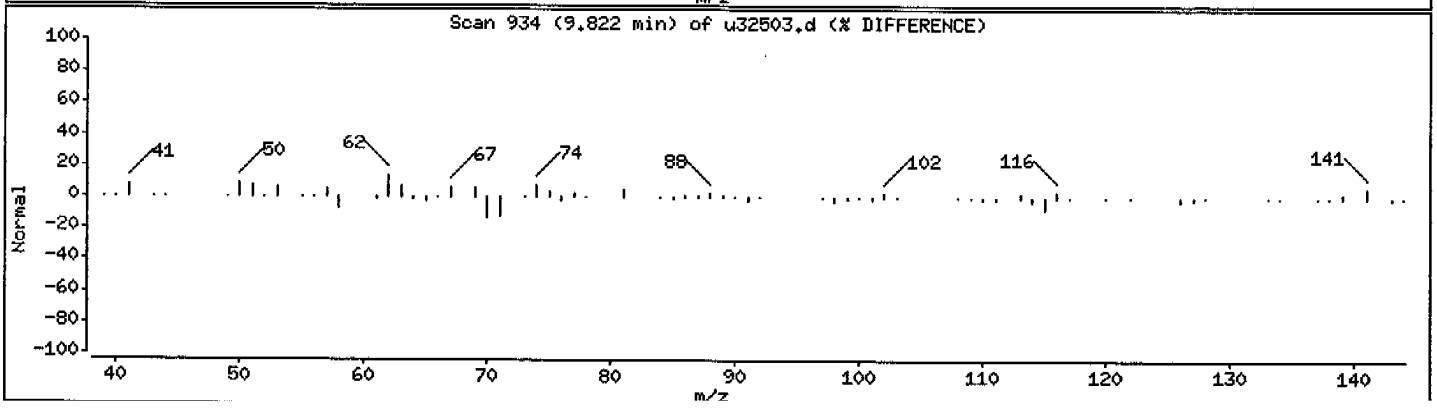
34 2-Methylnaphthalene

Concentration: 63 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

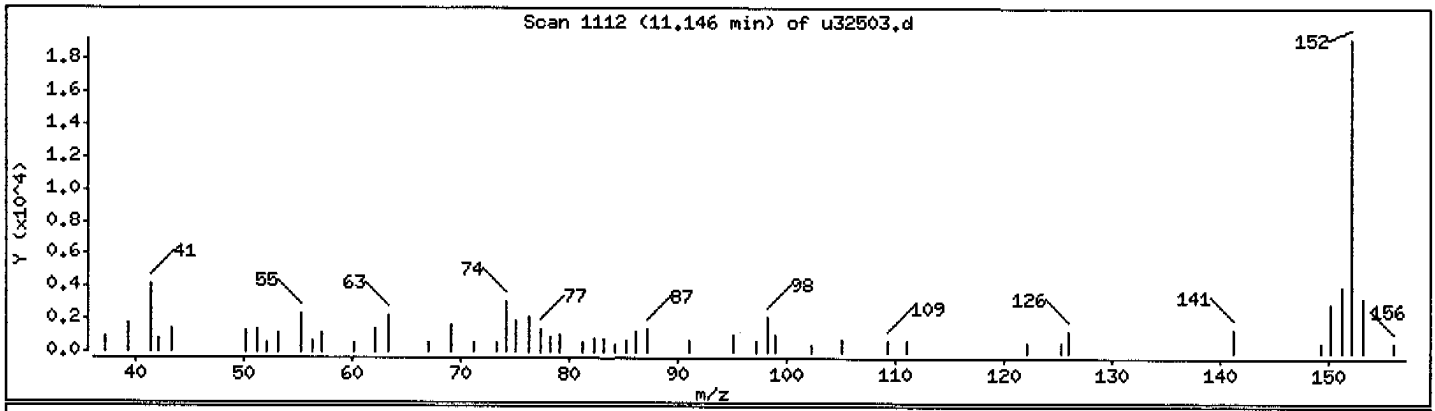
Operator: BNAMS 4

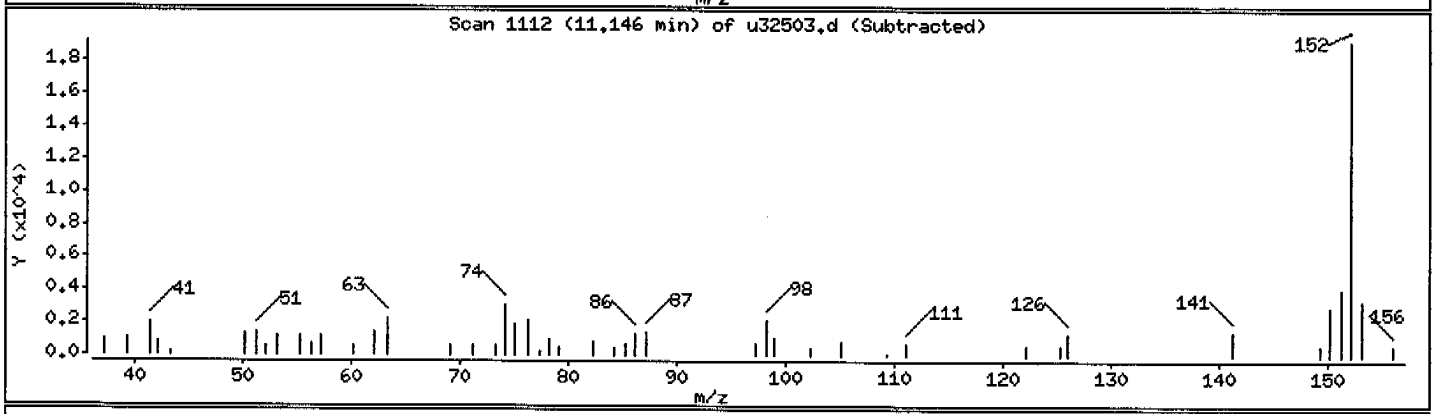
Column phase: DB-5

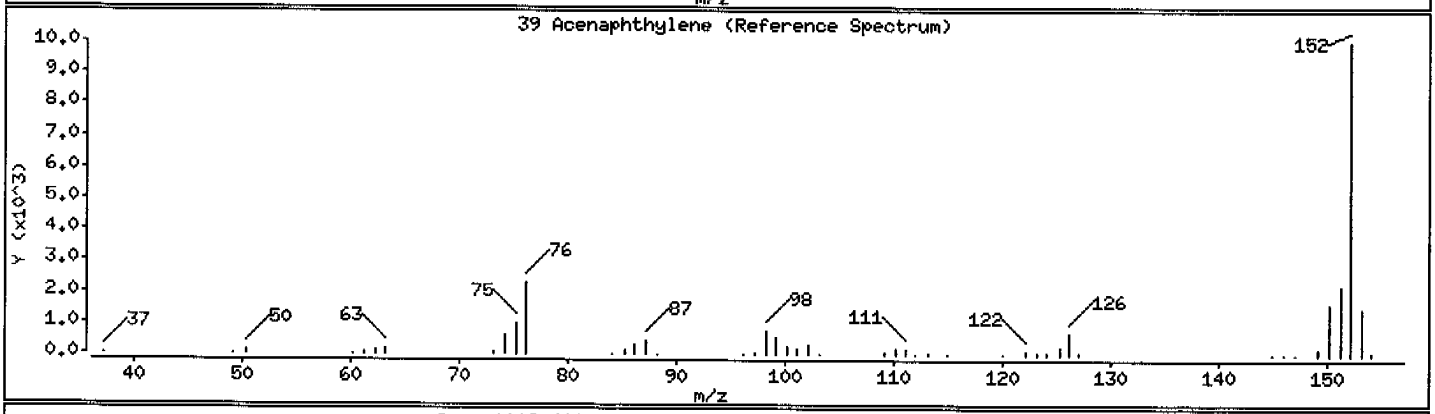
Column diameter: 0.25

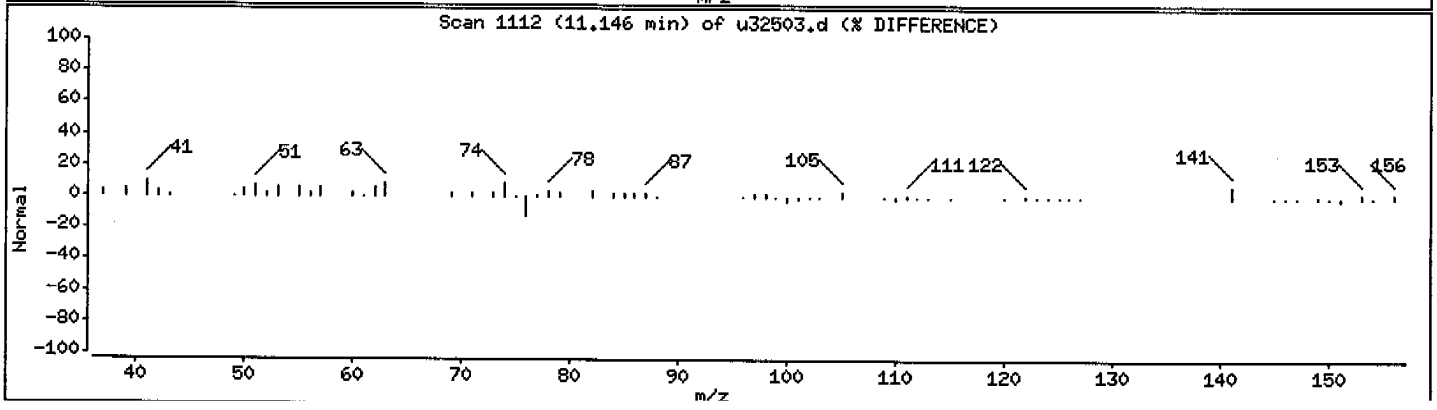
39 Acenaphthylene

Concentration: 110 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

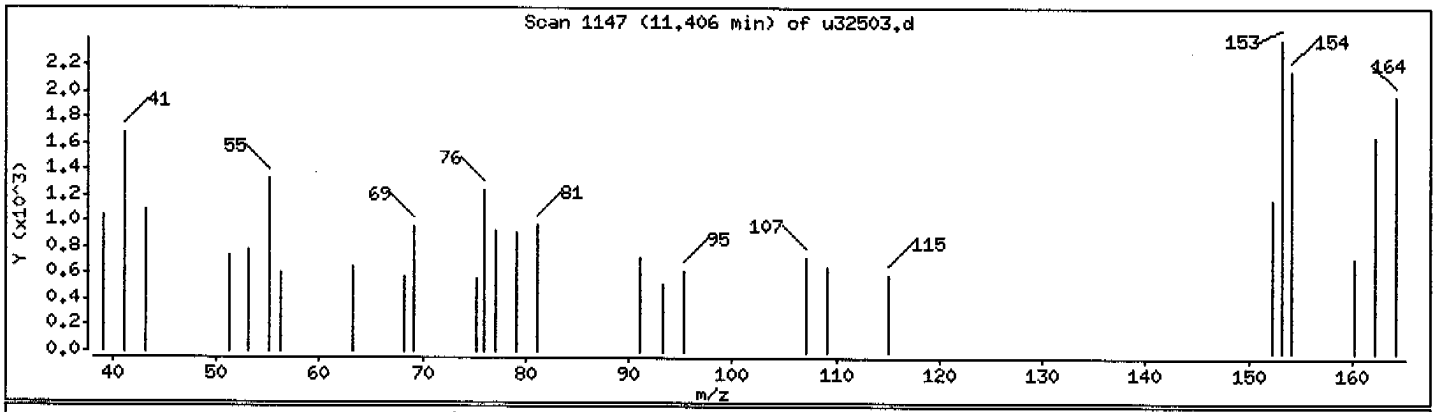
Operator: BNAMS 4

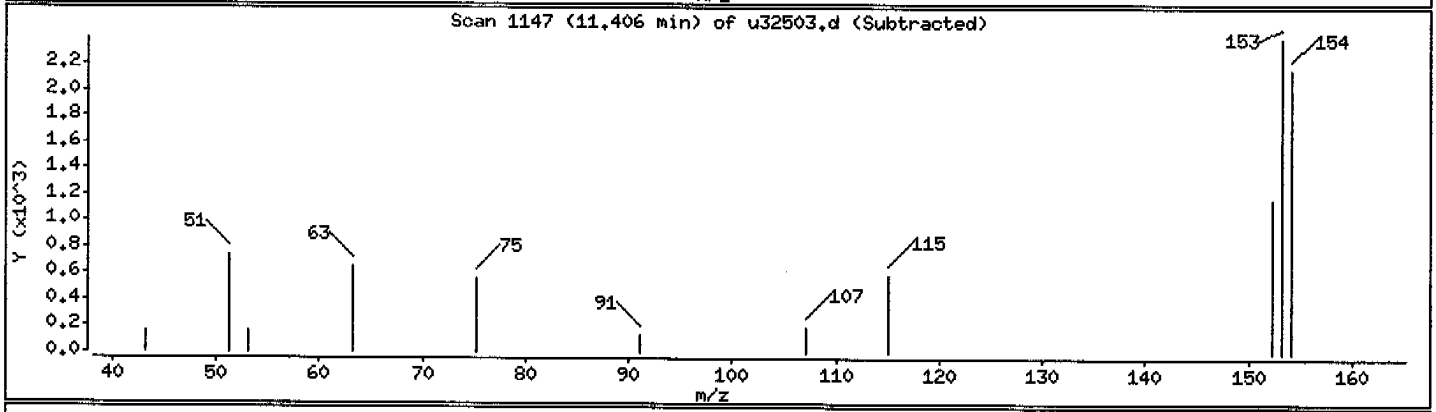
Column phase: DB-5

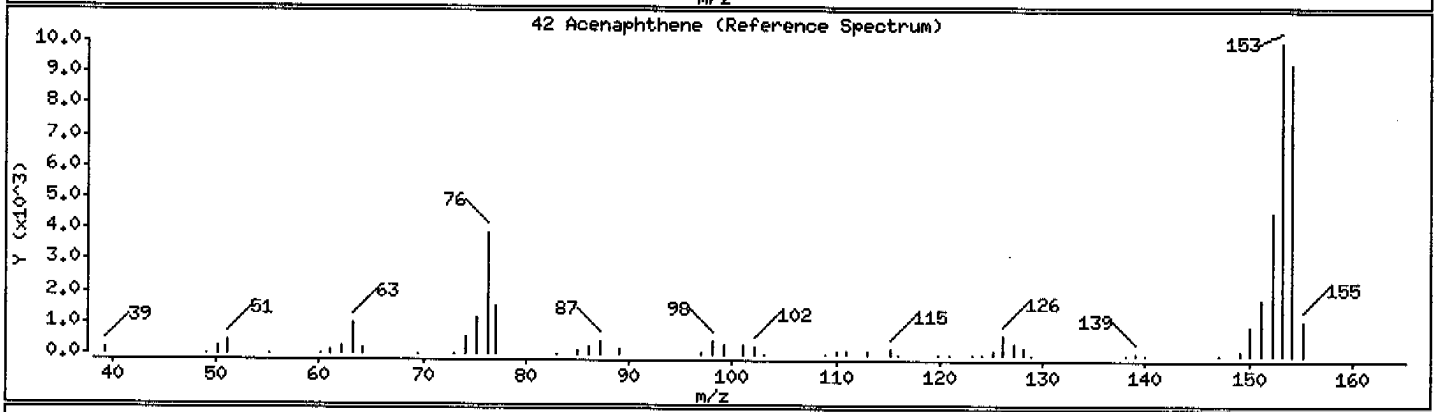
Column diameter: 0.25

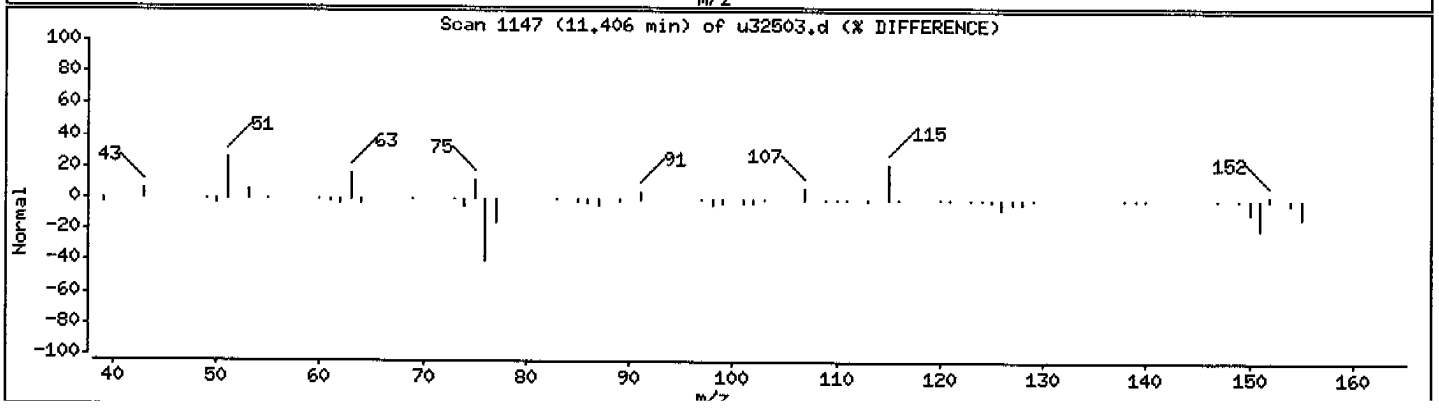
42 Acenaphthene

Concentration: 14 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

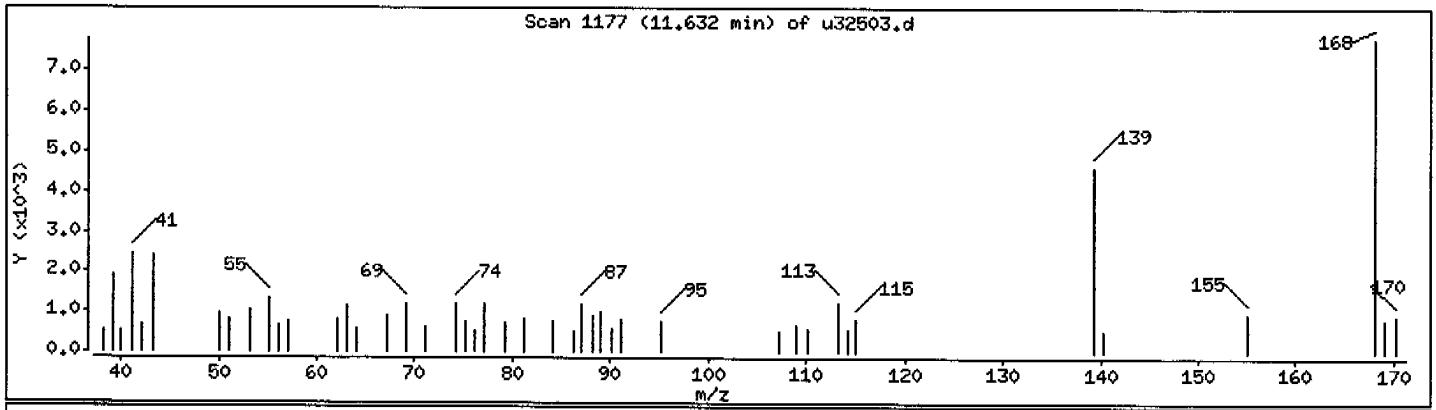
Operator: BNAMS 4

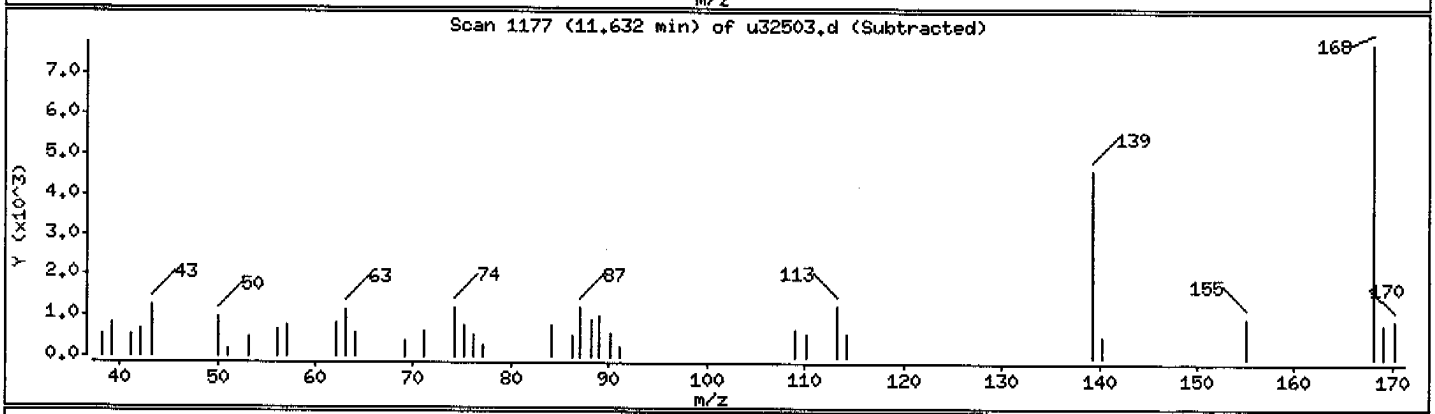
Column phase: DB-5

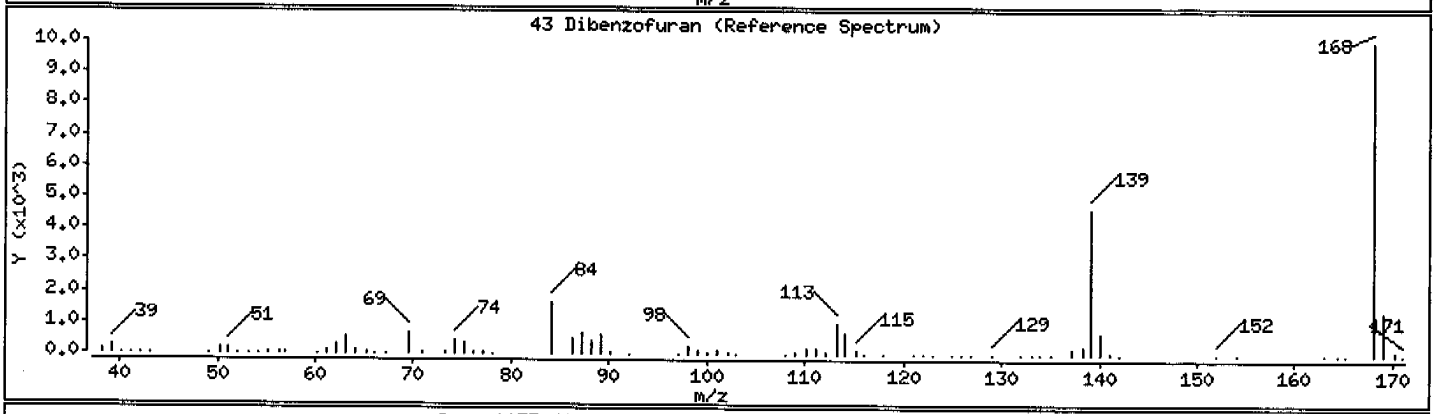
Column diameter: 0.25

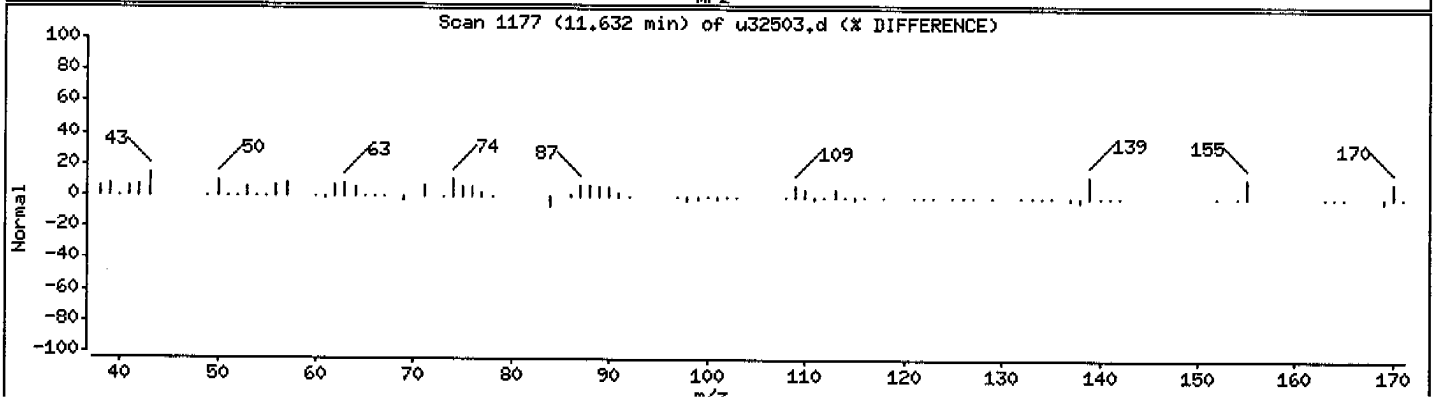
43 Dibenzofuran

Concentration: 43 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

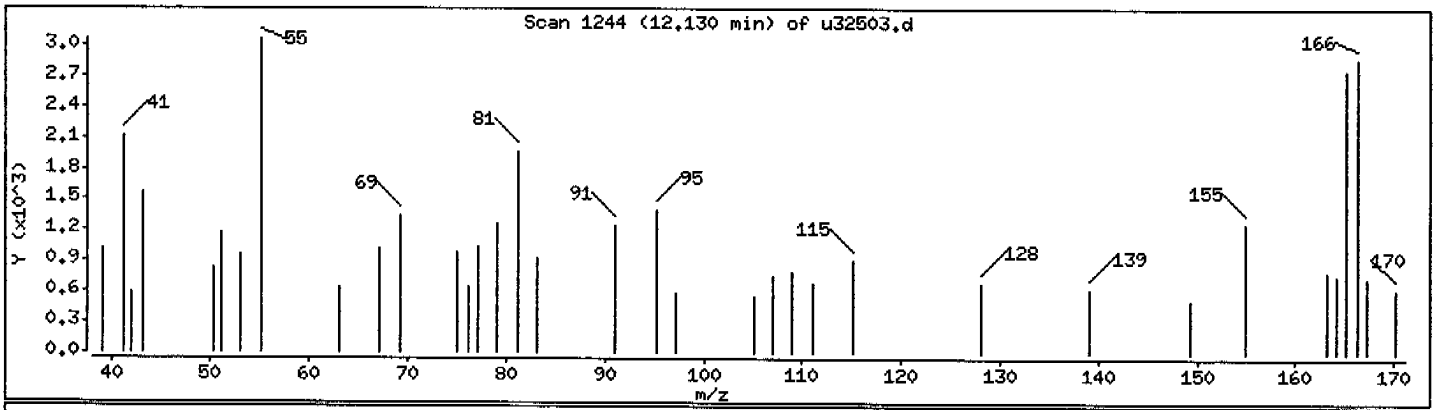
Operator: BNAMS 4

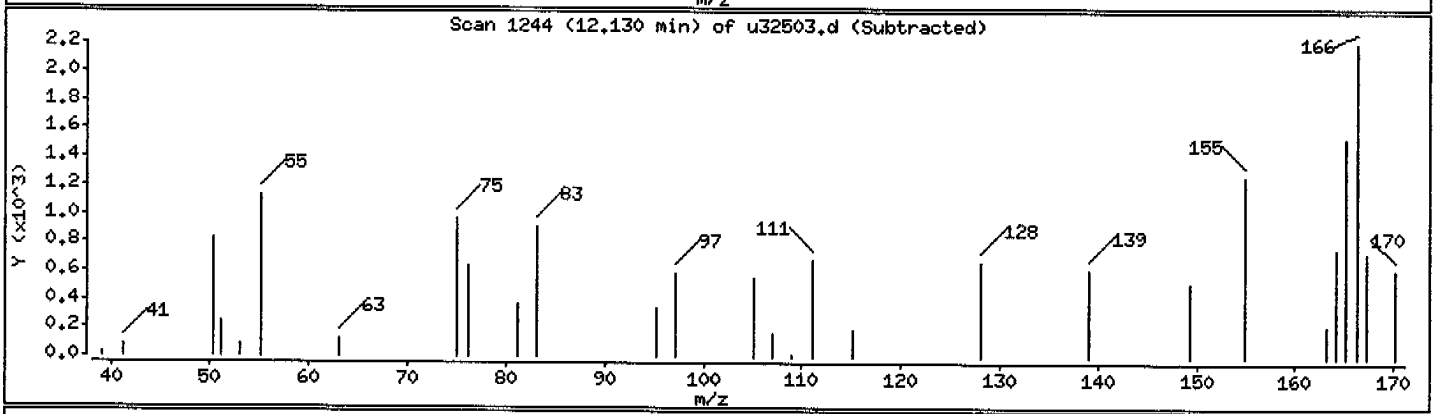
Column phase: DB-5

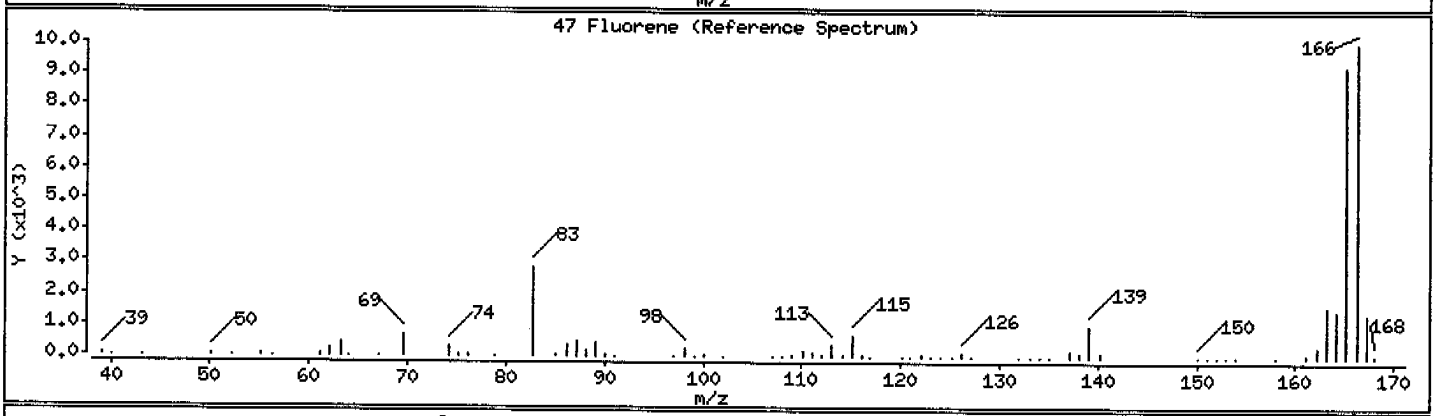
Column diameter: 0.25

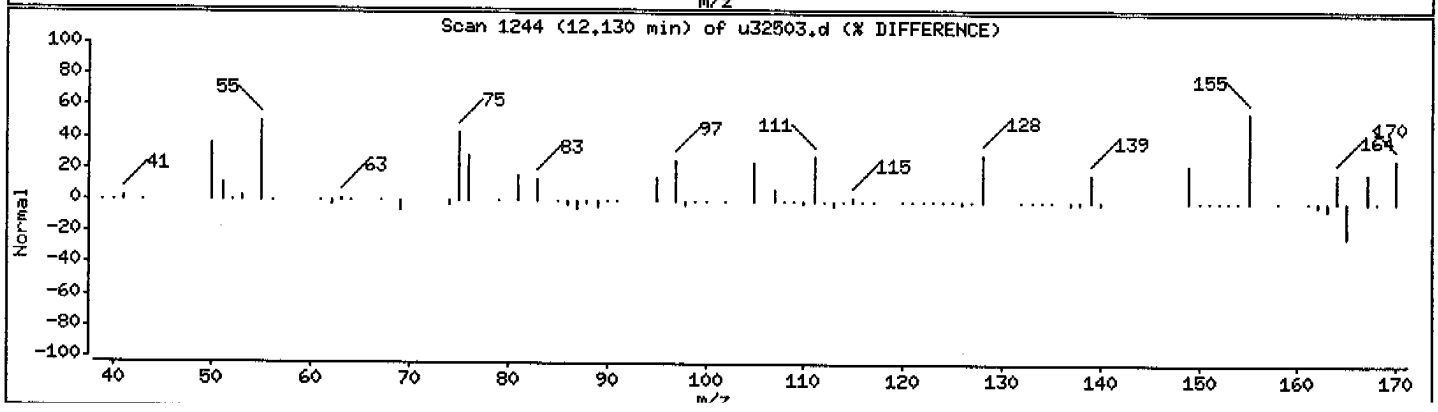
47 Fluorene

Concentration: 29 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

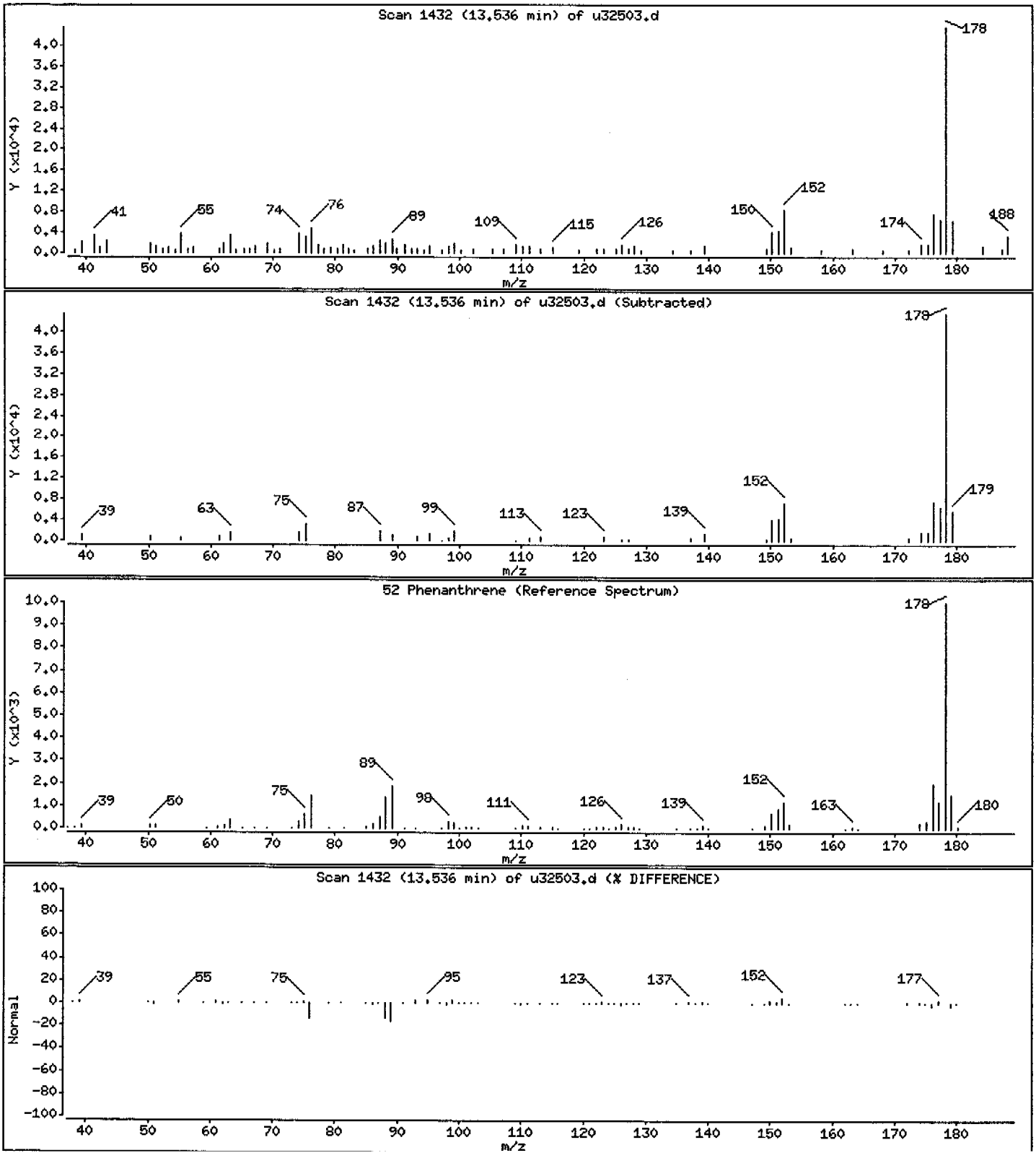
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

52 Phenanthrene

Concentration: 220 ug/Kg



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

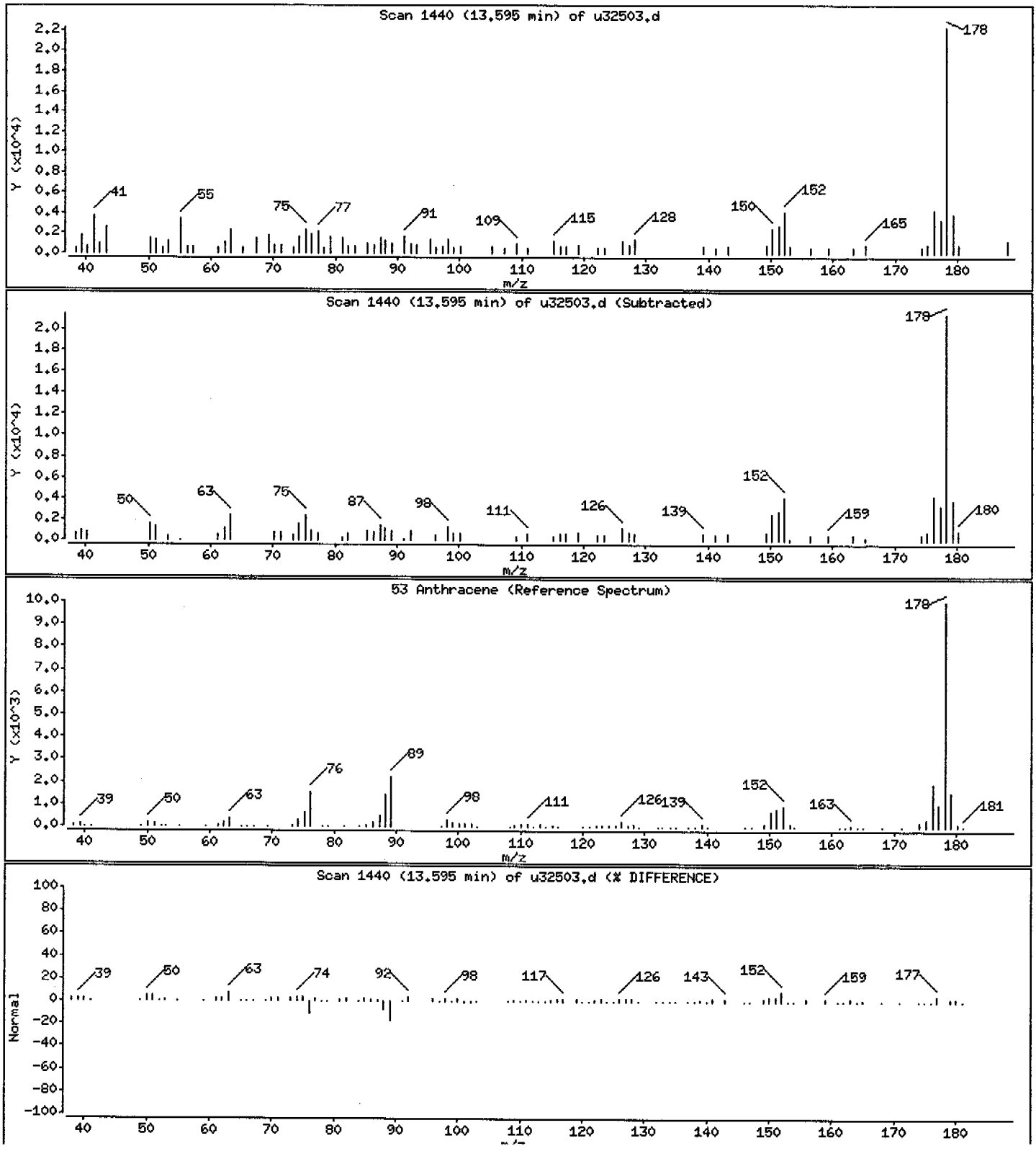
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

53 Anthracene

Concentration: 120 ug/Kg



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

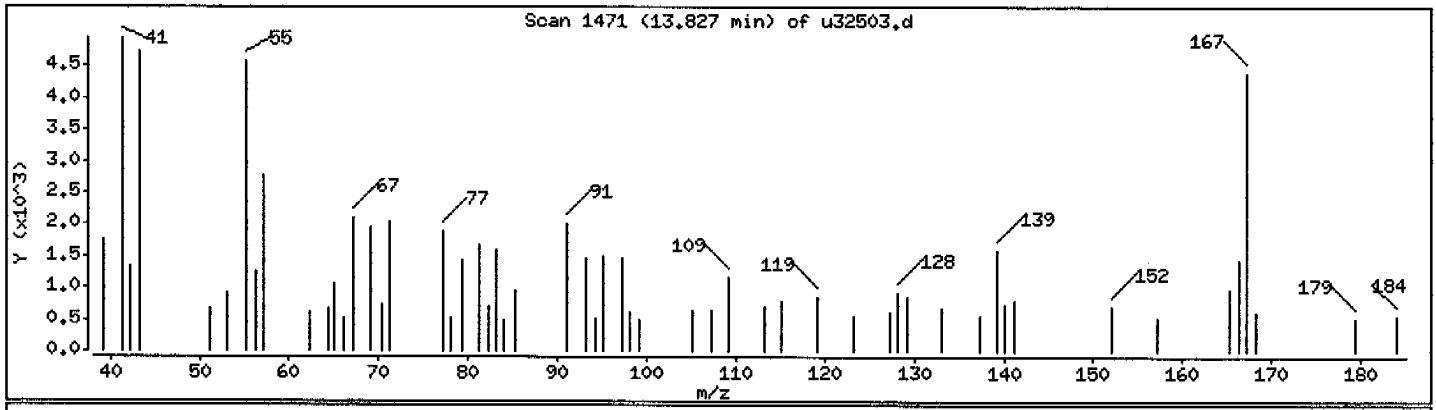
Operator: BNAMS 4

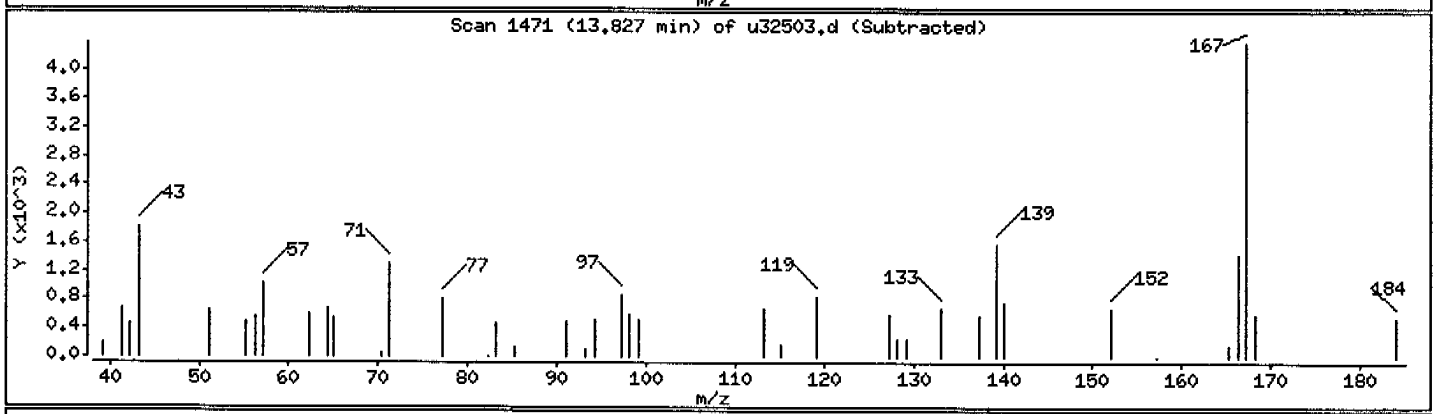
Column phase: DB-5

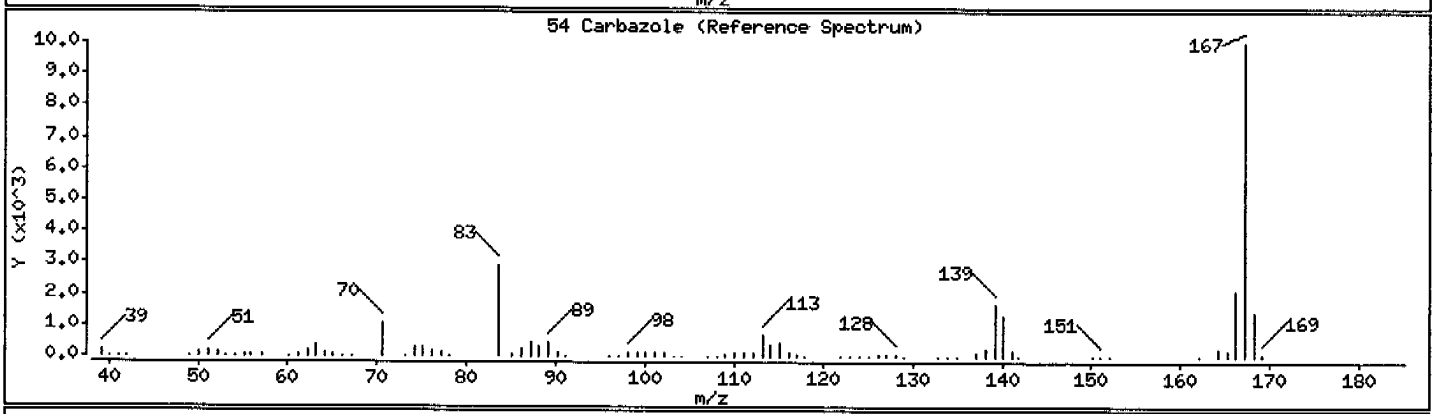
Column diameter: 0.25

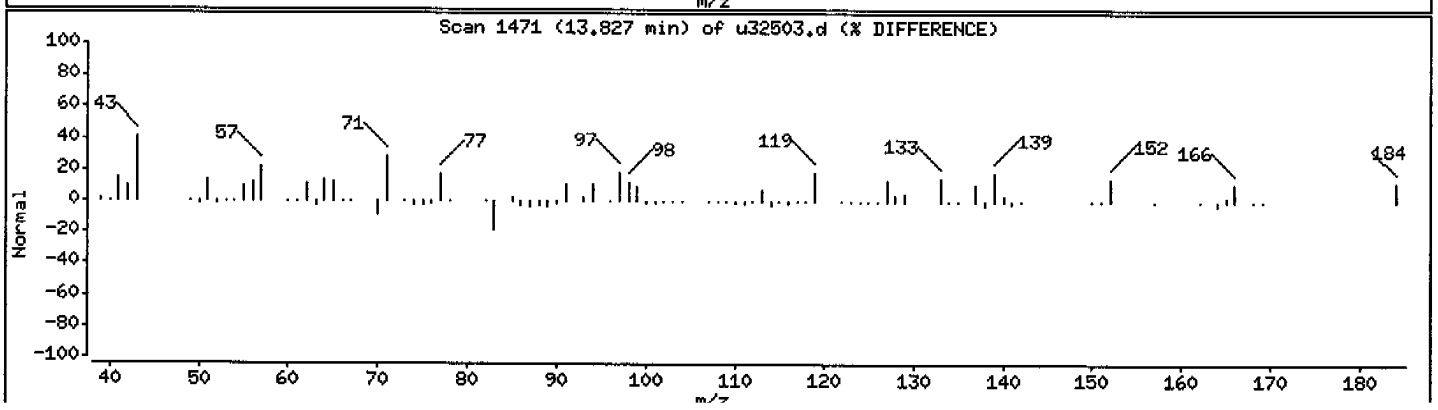
54 Carbazole

Concentration: 26 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

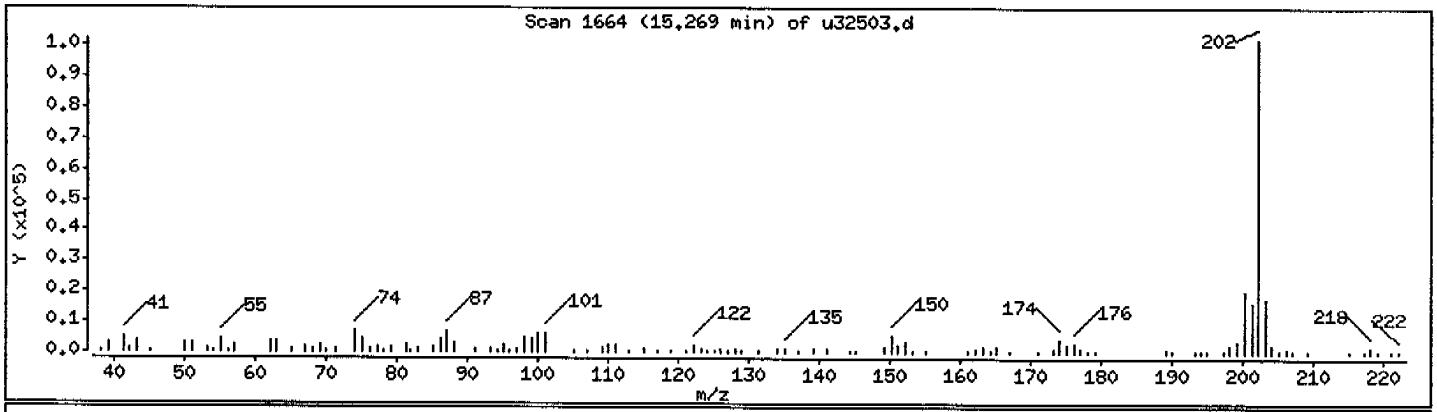
Operator: BNAMS 4

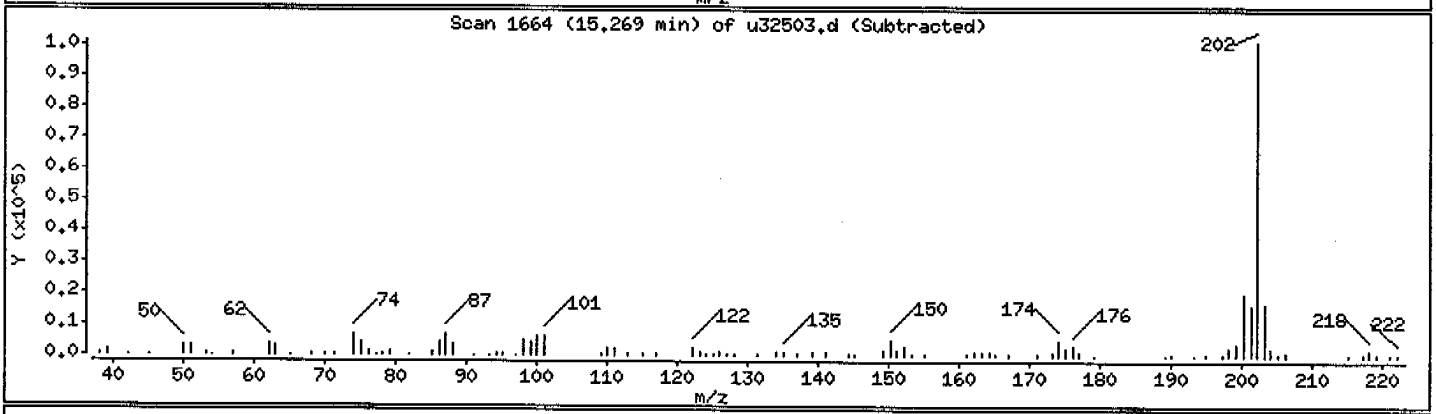
Column phase: DB-5

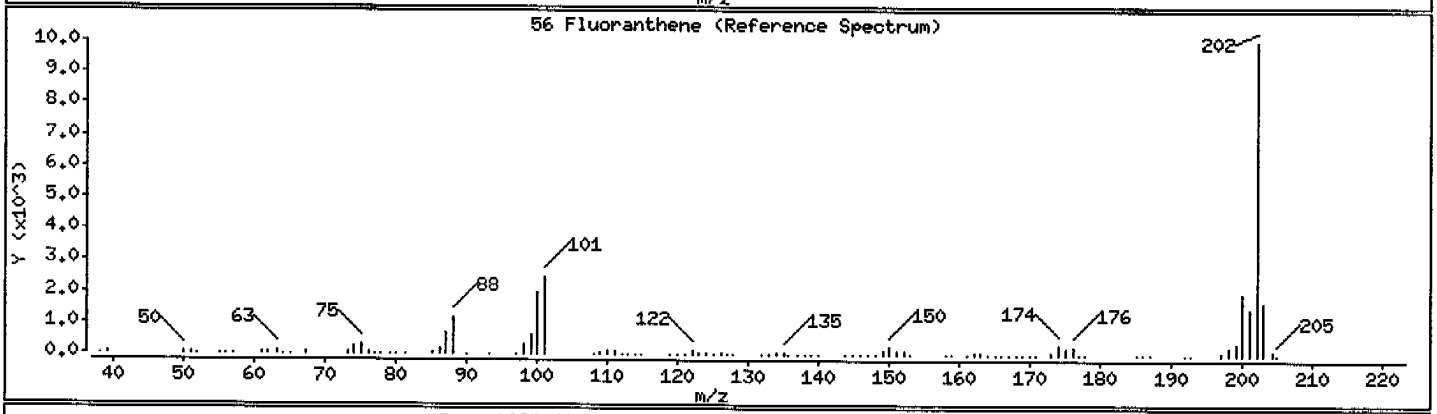
Column diameter: 0.25

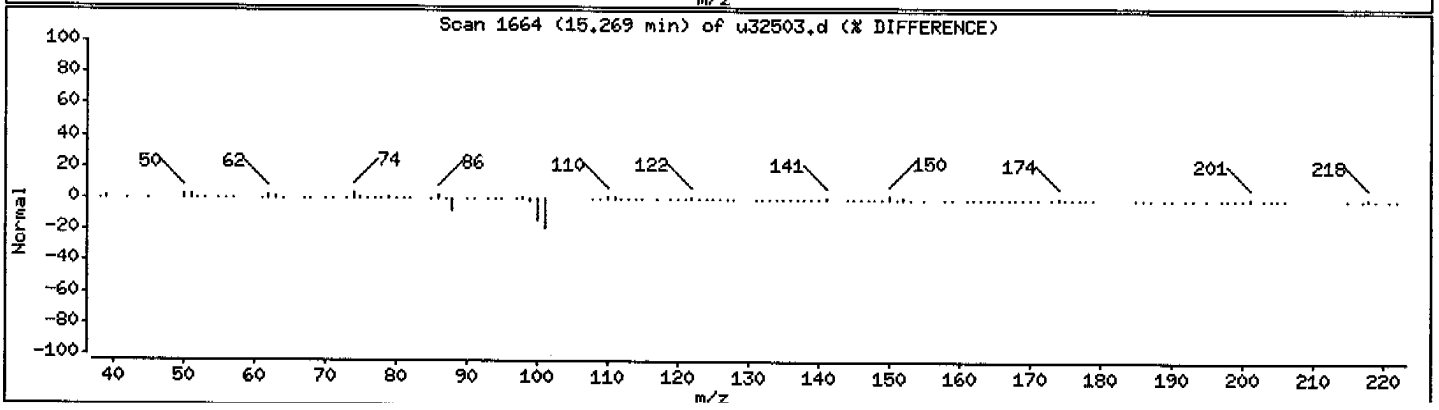
56 Fluoranthene

Concentration: 350 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

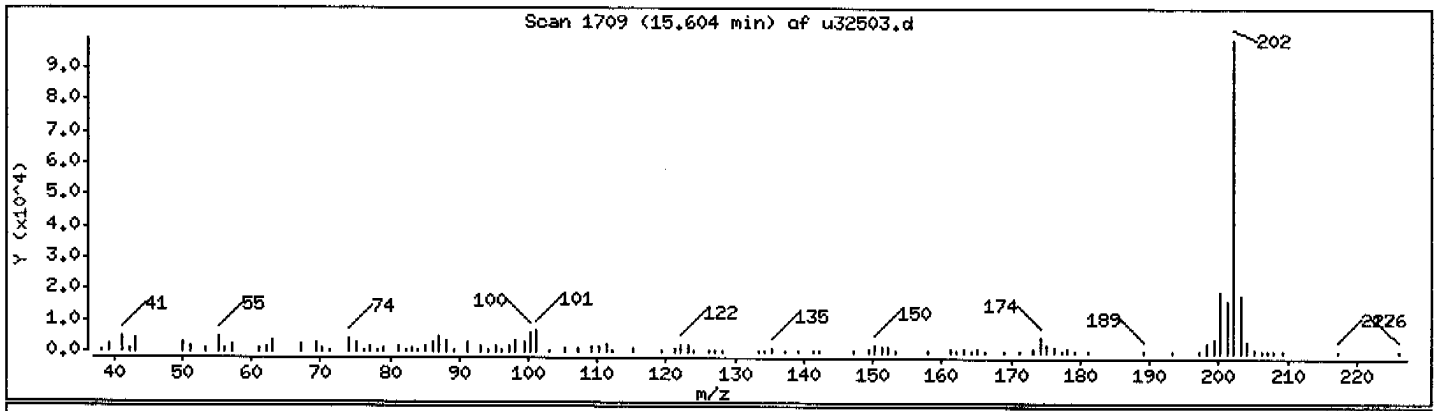
Operator: BNAMS 4

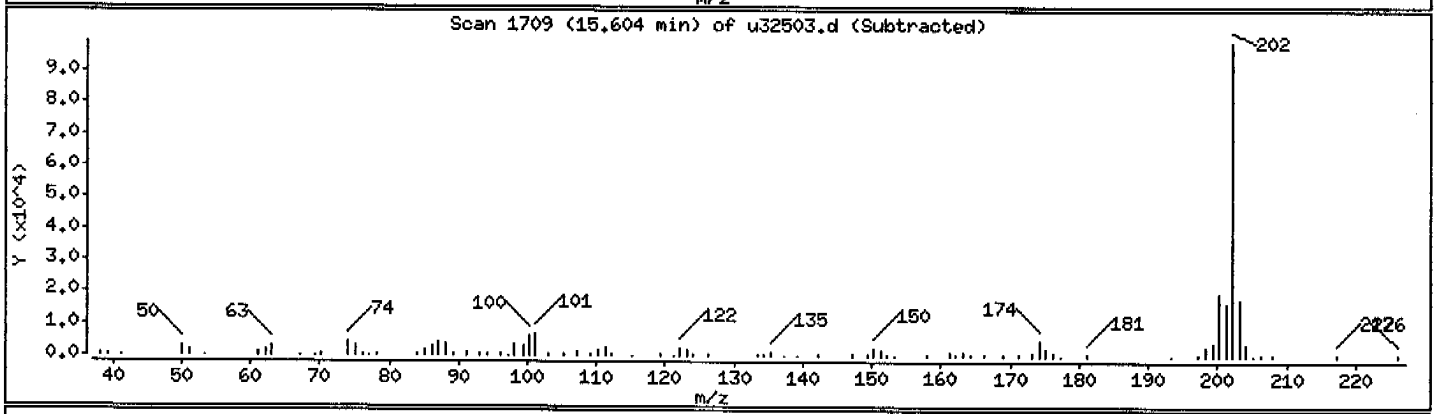
Column phase: DB-5

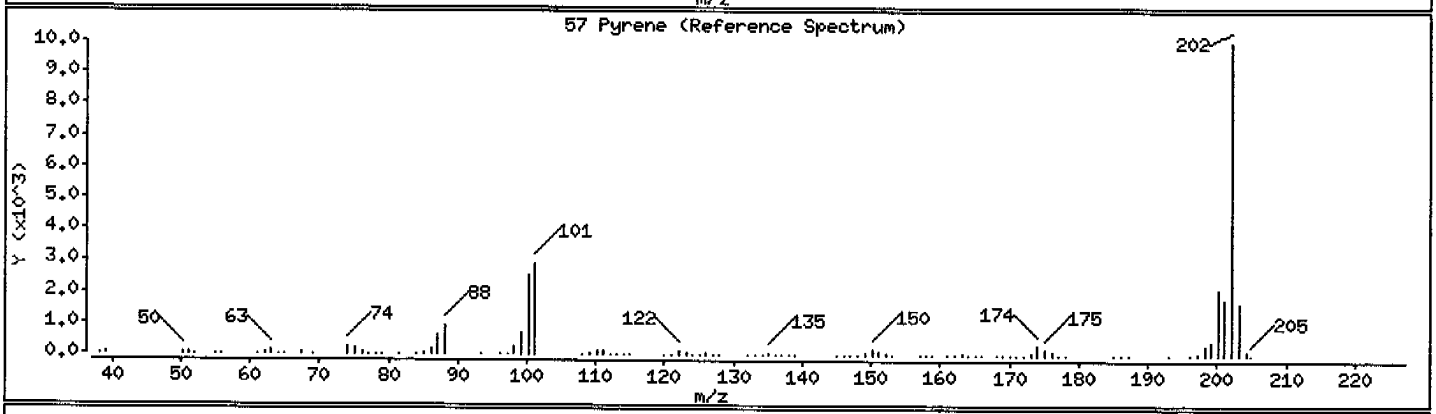
Column diameter: 0.25

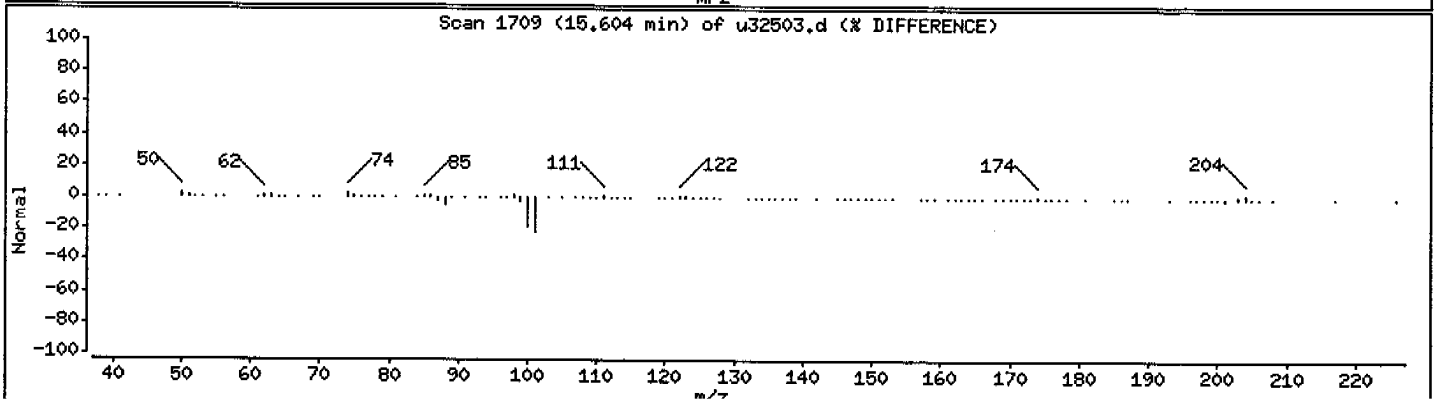
57 Pyrene

Concentration: 590 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

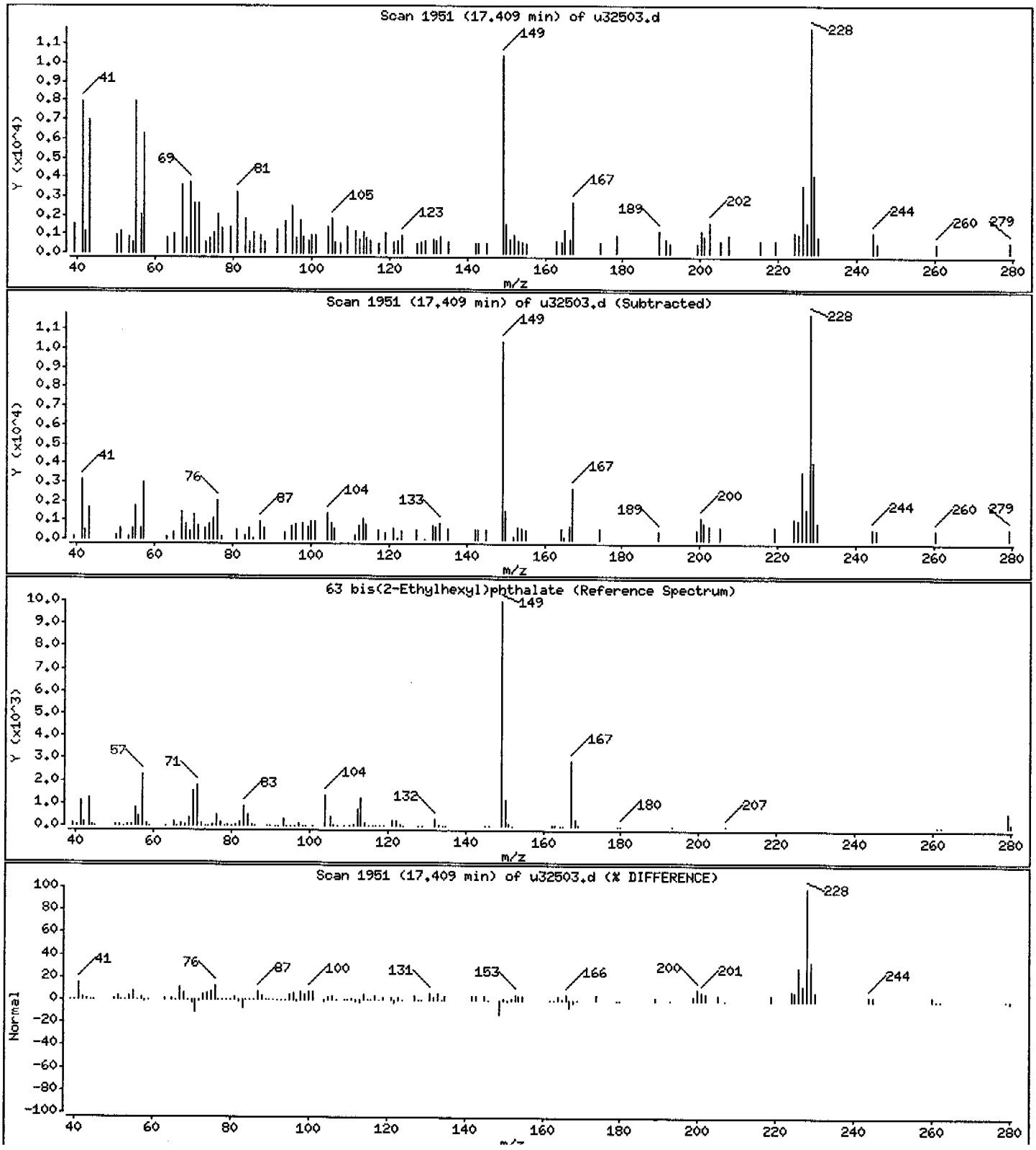
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

63 bis(2-Ethylhexyl)phthalate

Concentration: 96 ug/Kg



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

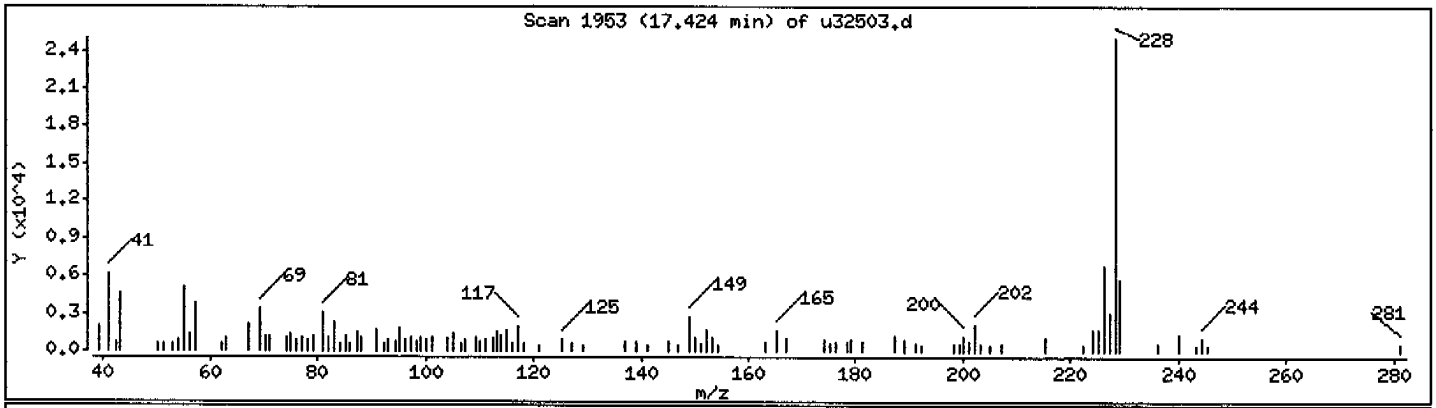
Operator: BNAMS 4

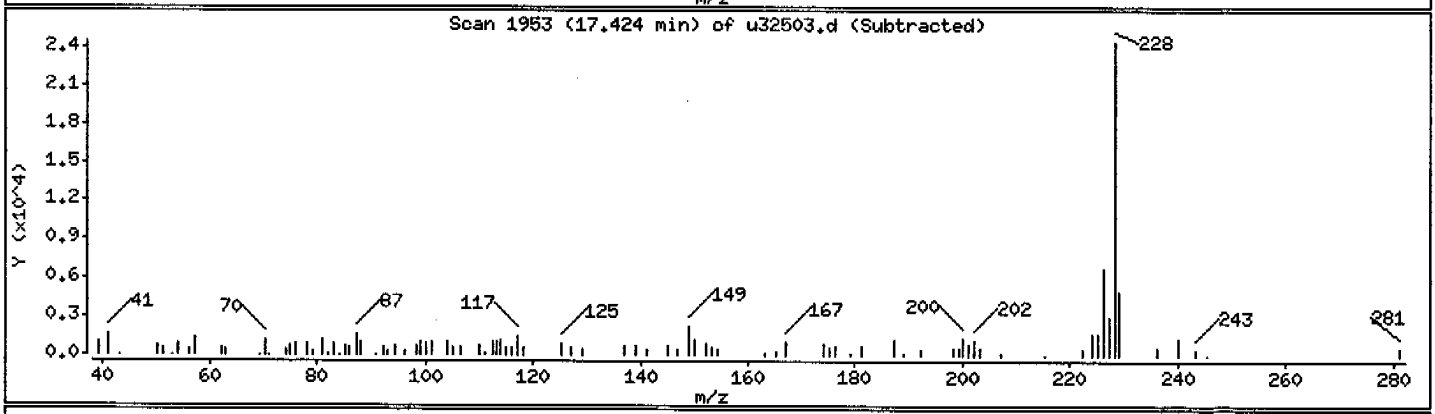
Column phase: DB-5

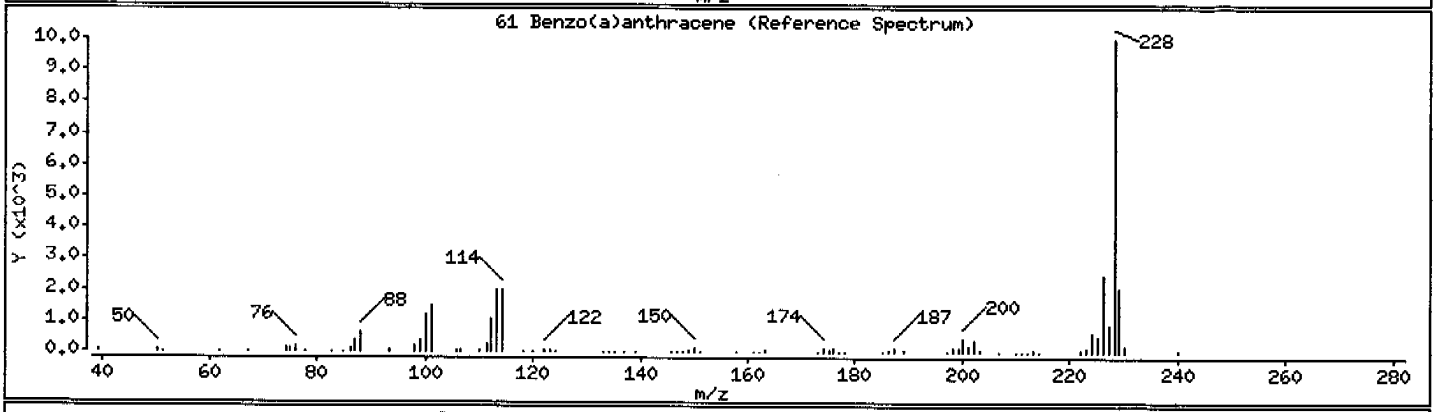
Column diameter: 0.25

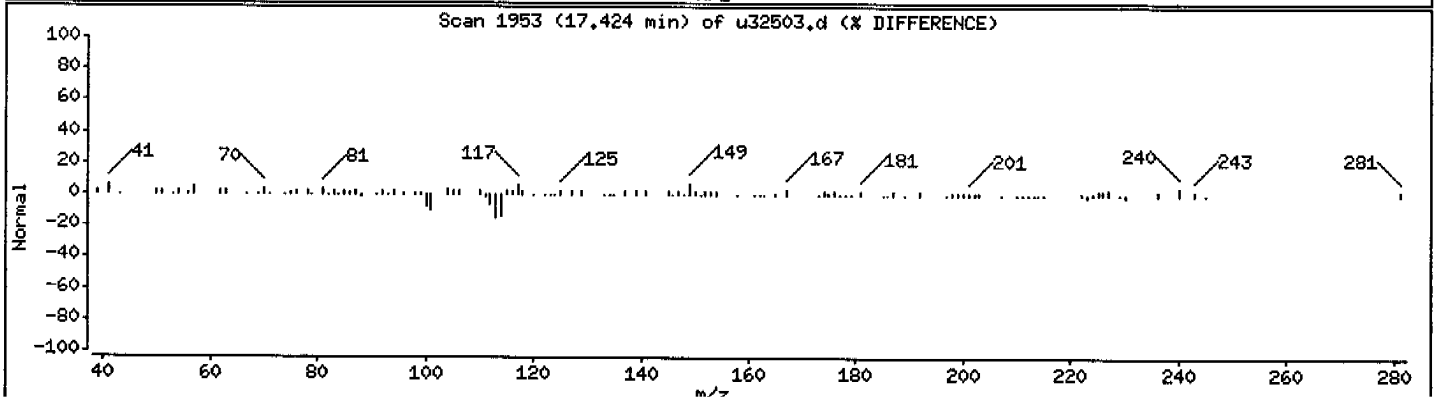
61 Benzo(a)anthracene

Concentration: 260 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

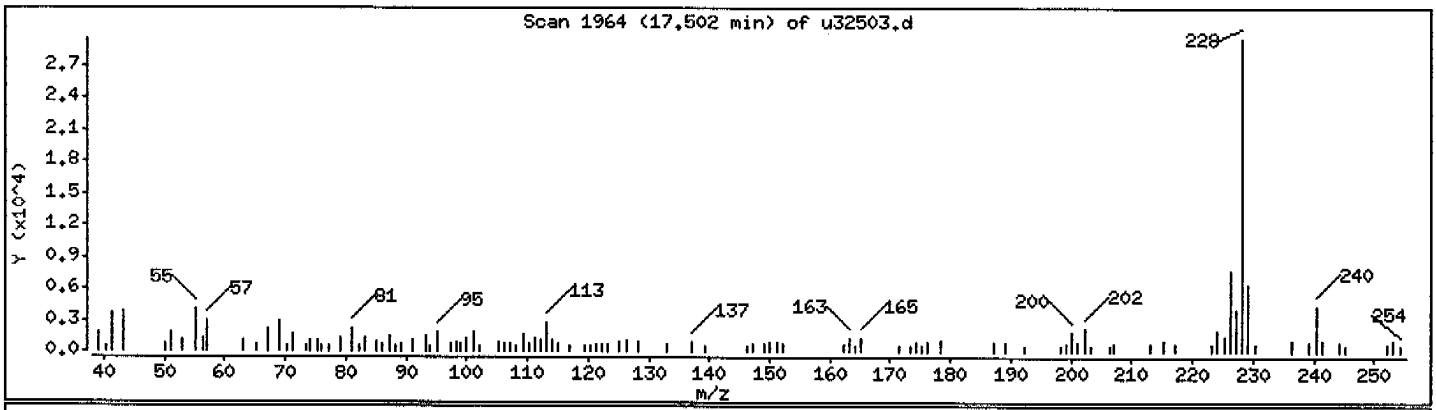
Operator: BNAMS 4

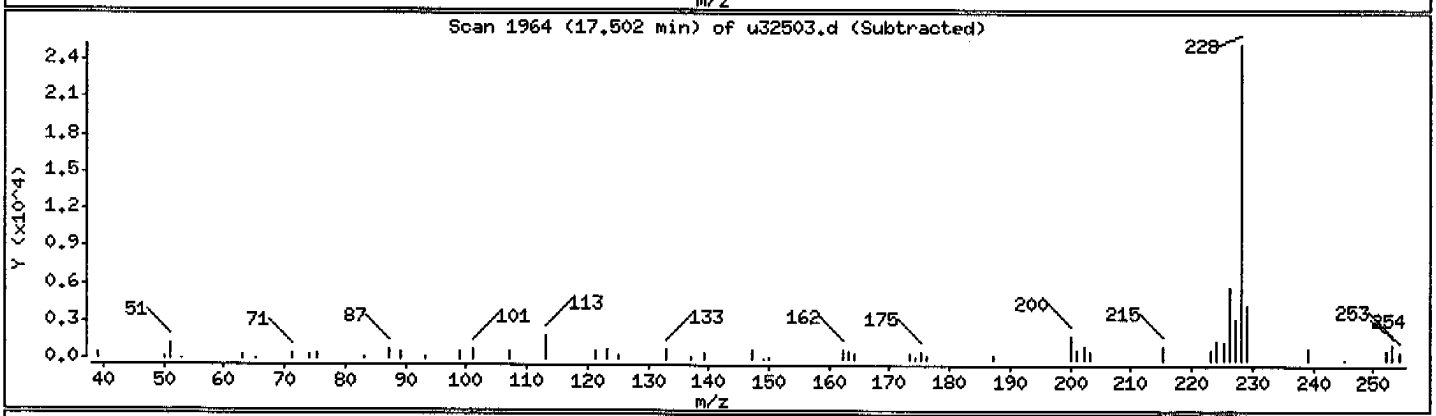
Column phase: DB-5

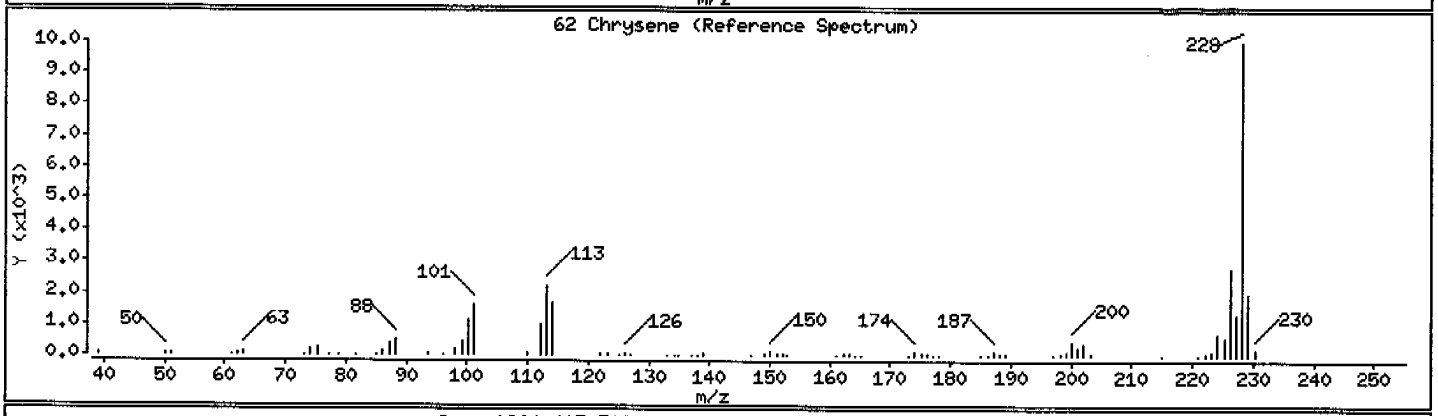
Column diameter: 0.25

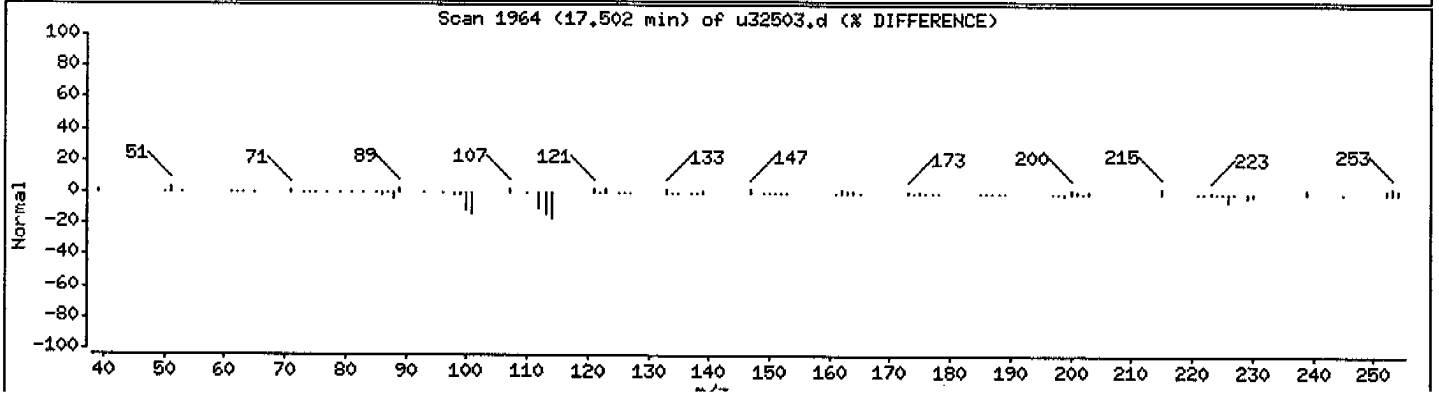
62 Chrysene

Concentration: 340 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

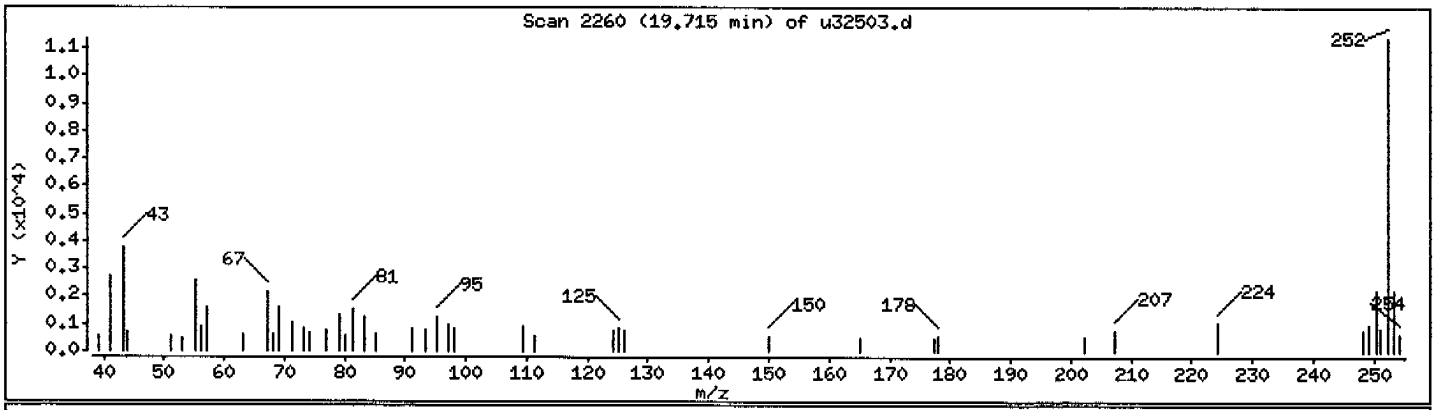
Operator: BNAMS 4

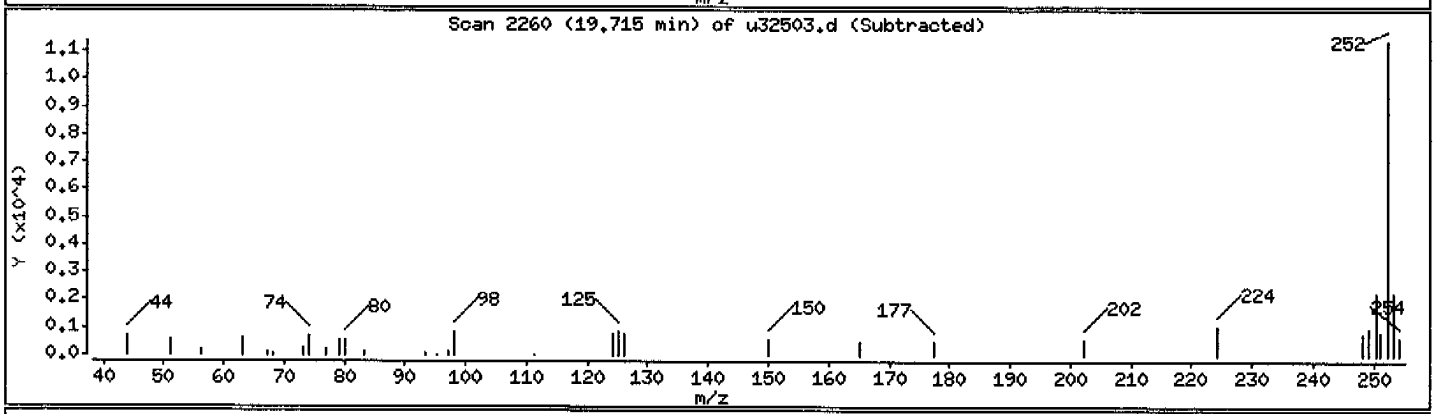
Column phase: DB-5

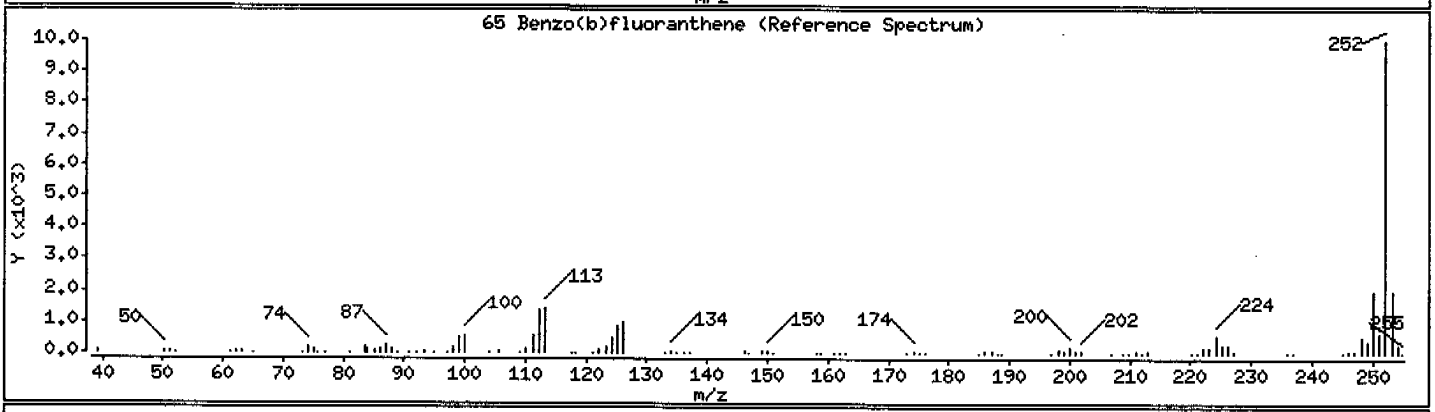
Column diameter: 0.25

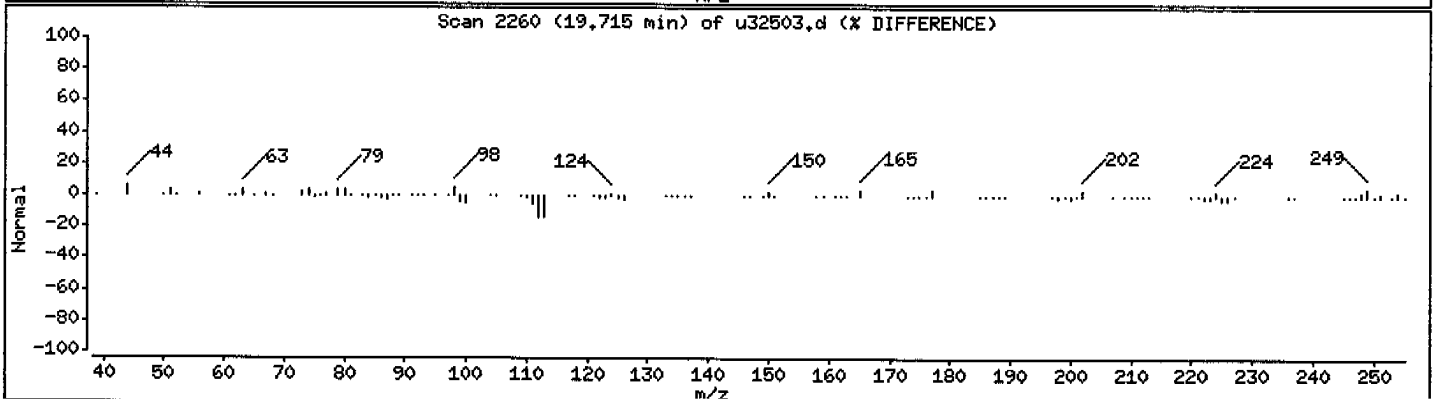
65 Benzo(b)fluoranthene

Concentration: 450 ug/Kg









Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

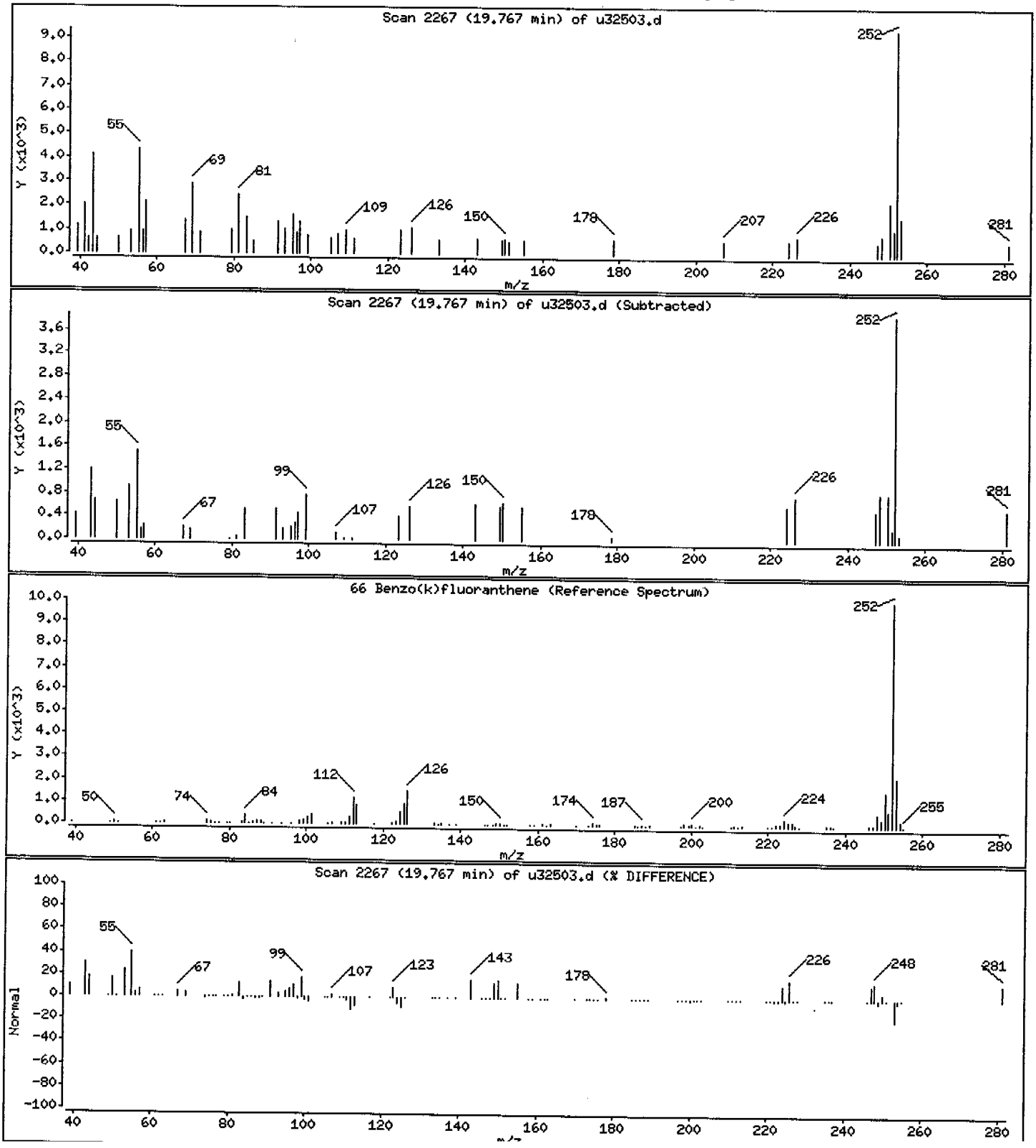
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

66 Benzo(k)fluoranthene

Concentration: 310 ug/Kg



Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32503.d

Date : 12-OCT-2006 04:43

Client ID: B204-SS01D

Instrument: BNAMS4.i

Sample Info: 775887;3287504

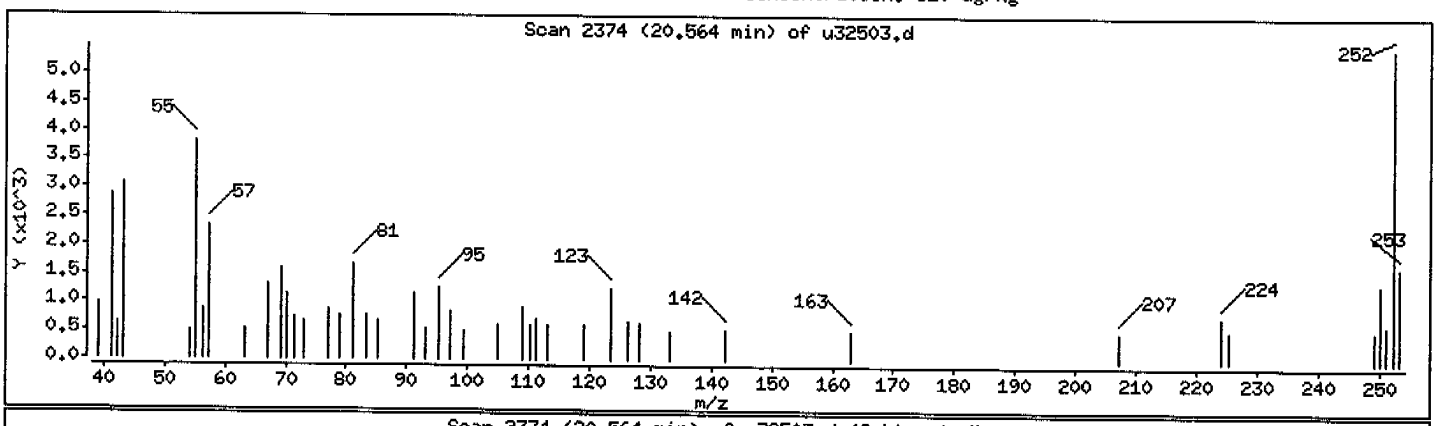
Operator: BNAMS 4

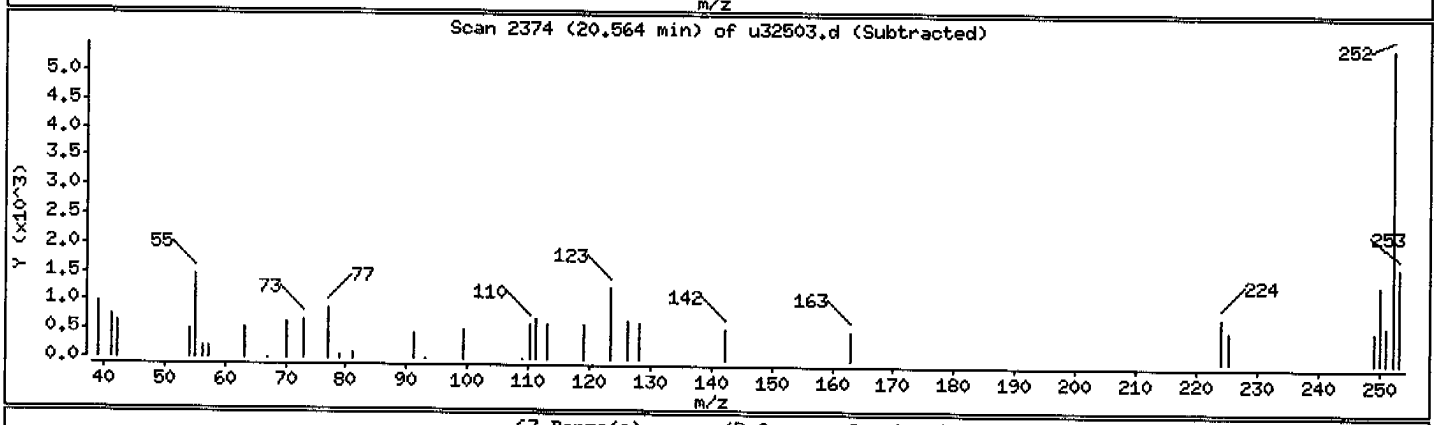
Column phase: DB-5

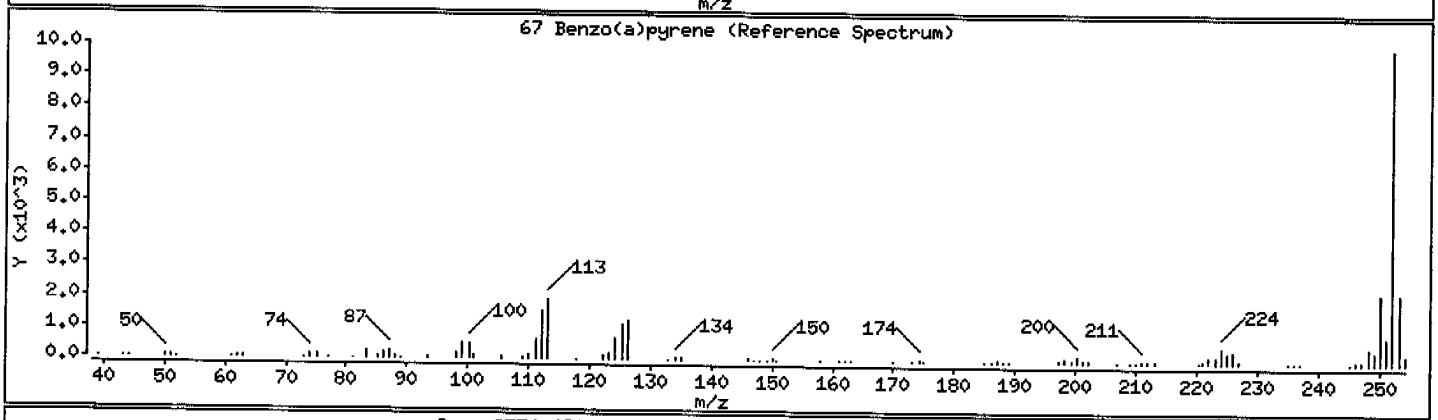
Column diameter: 0.25

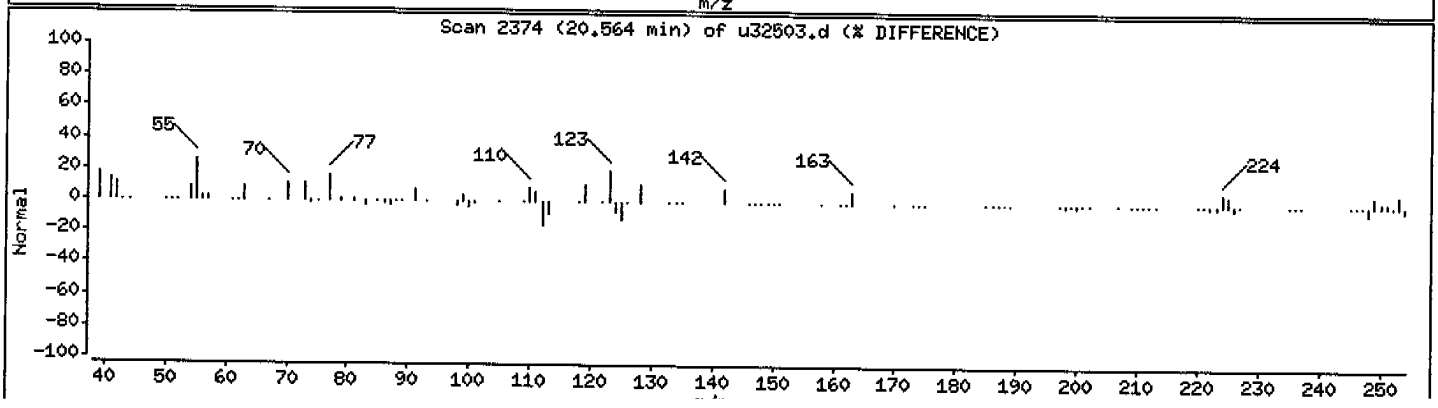
67 Benzo(a)pyrene

Concentration: 320 ug/Kg









Client ID: **B204-SS02**
Site: Sun Chemical SI

Lab Sample No: **775888**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/11/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32485.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	ND	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	74
2-Methylnaphthalene	ND	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	740
Dimethylphthalate	ND	370
Acenaphthylene	ND	370
2,6-Dinitrotoluene	ND	74
3-Nitroaniline	ND	740
Acenaphthene	ND	370
Dibenzofuran	ND	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
4-Nitroaniline	ND	740
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	ND	370
Anthracene	ND	370

Client ID: **B204-SS02**
Site: Sun Chemical SI

Lab Sample No: **775888**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/11/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32485.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	370
Di-n-butylphthalate	ND	370
Fluoranthene	ND	370
Pyrene	ND	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	ND	37
Chrysene	ND	370
bis(2-Ethylhexyl)phthalate	ND	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	ND	37
Benzo(k)fluoranthene	ND	37
Benzo(a)pyrene	ND	37
Indeno(1,2,3-cd)pyrene	ND	37
Dibenz(a,h)anthracene	ND	37
Benzo(g,h,i)perylene	ND	370

Client ID: **B204-SS02**
Site: Sun Chemical SI

Lab Sample No: **775888**
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06
Date Extracted: 10/08/06
Date Analyzed: 10/11/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32485.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 9.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32485.d
Report Date: 11-Oct-2006 19:39

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

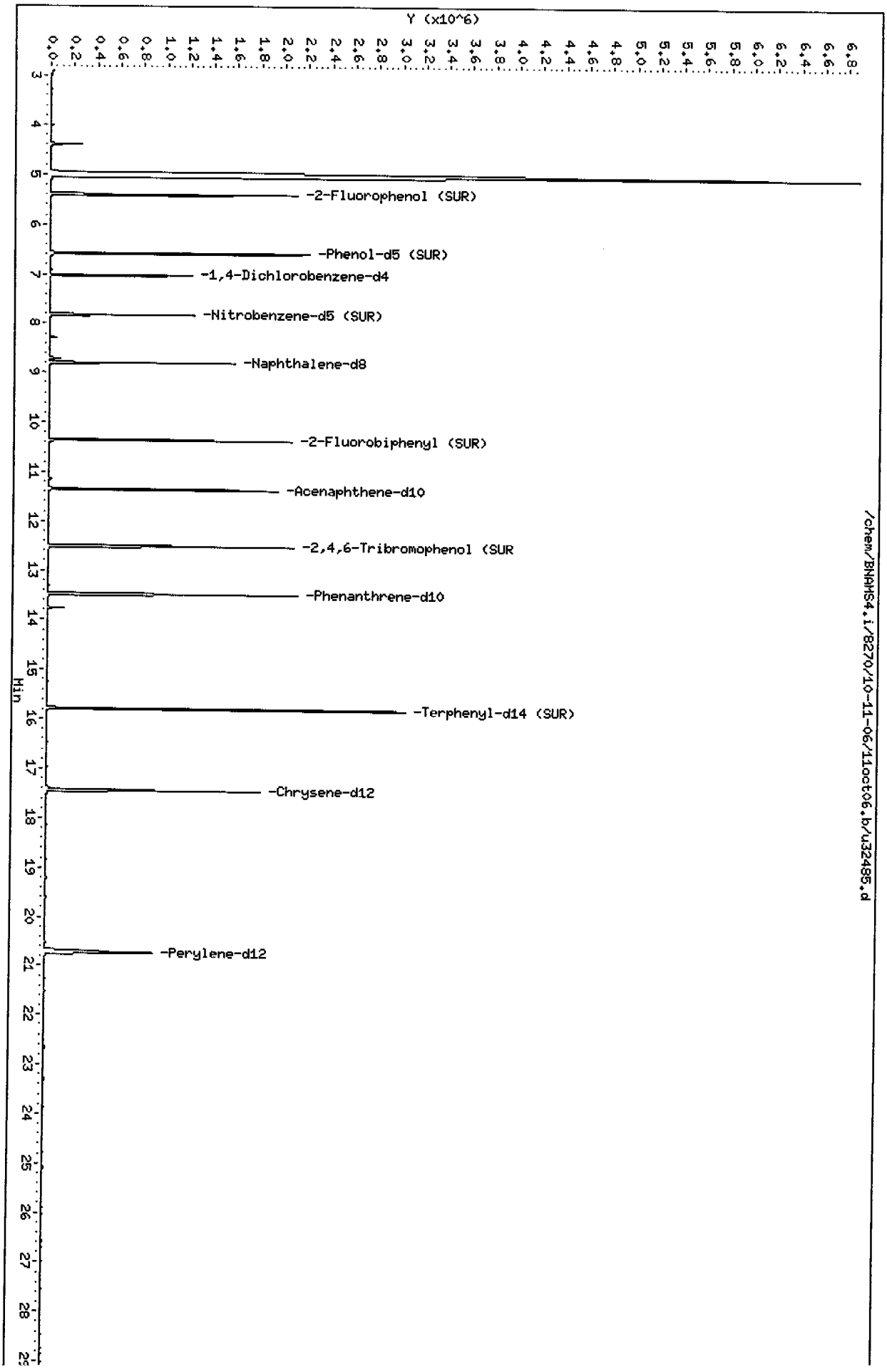
Data file : /chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32485.d
Lab Smp Id: 775888 Client Smp ID: B204-SS02
Inj Date : 11-OCT-2006 17:02
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 775888;3287521
Misc Info : Y024;SB281;QA4676
Comment :
Method : /chem/BNAMS4.i/8270/10-11-06/11oct06.b/8270C6-1.m
Meth Date : 11-Oct-2006 19:25 asfawa Quant Type: ISTD
Cal Date : 11-OCT-2006 15:47 Cal File: u32483.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBN+AEsur.sub
Target Version: 3.50
Processing Host: hpd1 ✓

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	9.70000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.403	5.385	(0.769)	463645	71.1993	5200
$ 17 Phenol-d5 (SUR)	99	6.585	6.569	(0.938)	704878	77.7833	5700
* 79 1,4-Dichlorobenzene-d4	152	7.024	7.022	(1.000)	164336	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.825	7.821	(0.889)	474135	43.0727	3200
* 80 Naphthalene-d8	136	8.803	8.802	(1.000)	687176	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.356	10.351	(0.912)	736336	47.6404	3500
* 82 Acenaphthene-d10	164	11.352	11.355	(1.000)	493513	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.508	12.506	(1.102)	261427	65.0681	4800
* 83 Phenanthrene-d10	188	13.486	13.489	(1.000)	882797	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	15.791	15.780	(0.905)	1224523	45.1432	3300
* 81 Chrysene-d12	240	17.450	17.451	(1.000)	1204982	40.0000	
* 84 Perylene-d12	264	20.723	20.728	(1.000)	1003353	40.0000	


Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32485.d
Date : 11-OCT-2006 17:02
Client ID: B204-SS02
Sample Info: 775388;3287521
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32485.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U32264

DFTPP Injection Date: 09/28/06

Instrument ID: BNAMS4

DFTPP Injection Time: 1410

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	56.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	70.9
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	46.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	27.6
365	Greater than 1.0% of mass 198	5.46
441	0.0 - 100.0% of mass 443	11.3 (77.6)2
442	40.0 - 110.0% of mass 198	72.6
443	17.0 - 23.0% of mass 442	14.6 (20.1)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD050	USTD050	U32265	09/28/06	1441
02	USTD120	USTD120	U32266	09/28/06	1519
03	USTD005	USTD005	U32267	09/28/06	1556
04	USTD080	USTD080	U32268	09/28/06	1634
05	USTD020	USTD020	U32269	09/28/06	1711
06	USTD010	USTD010	U32270	09/28/06	1748
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/09-28-06/28sep06b.b/u32264.d

Date : 28-SEP-2006 14:10

Client ID:

Instrument: BNAMS4.i

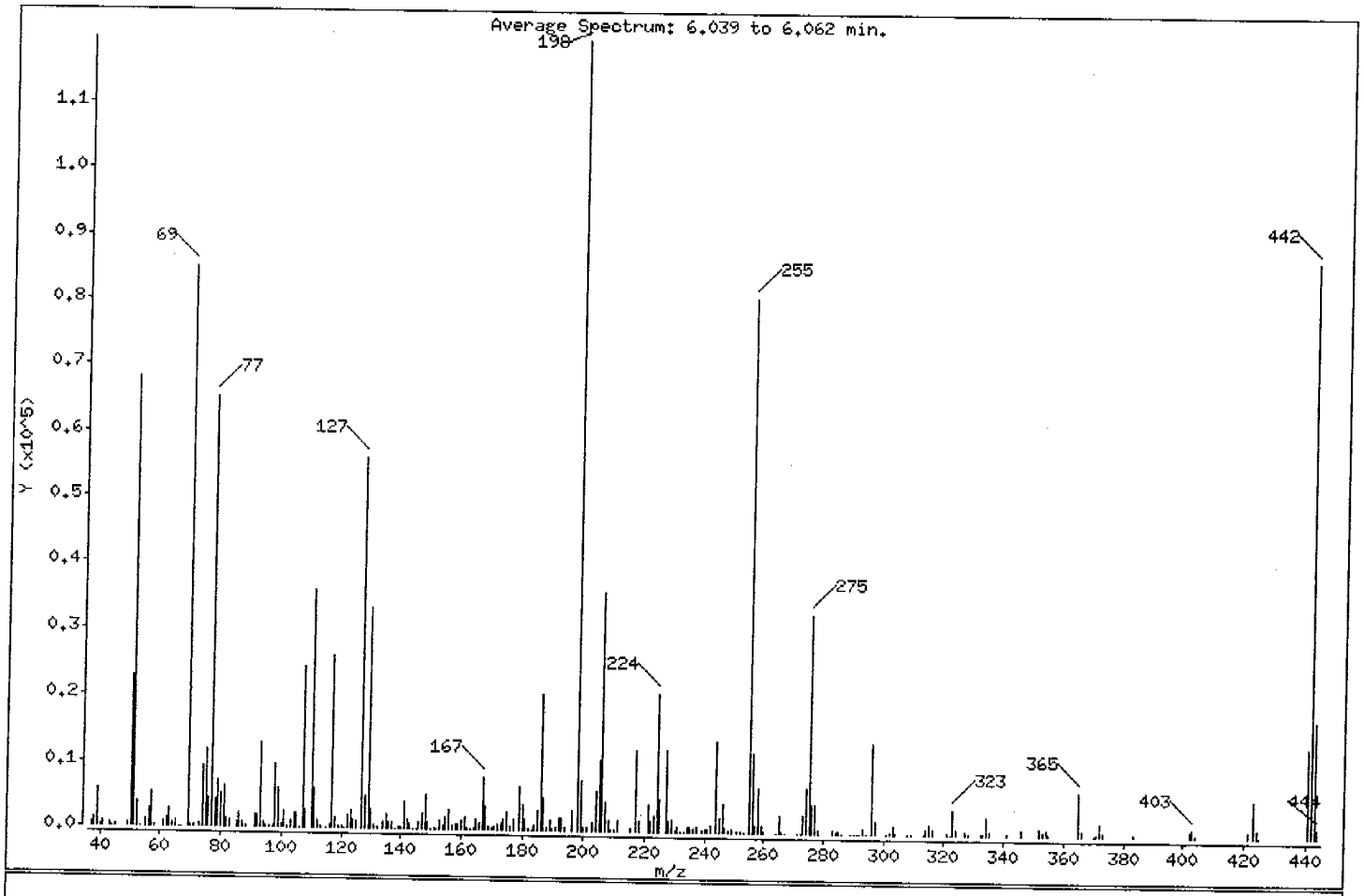
Sample Info: UDFTPP271

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	56.93
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	70.93
70	Less than 2.00% of mass 69	0.19 (0.27)
127	40.00 - 60.00% of mass 198	46.83
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.47
275	10.00 - 30.00% of mass 198	27.63
365	Greater than 1.00% of mass 198	5.46
441	0.01 - 100.00% of mass 443	11.34 (77.64)
442	40.00 - 110.00% of mass 198	72.60
443	17.00 - 23.00% of mass 442	14.61 (20.12)

Data File: /chem/BNAMS4.i/8270/09-28-06/28sep06b.b/u32264.d

Date : 28-SEP-2006 14:10

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP271

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32264.d

Spectrum: Average Spectrum: 6.039 to 6.062 min.

Location of Maximum: 198.00

Number of points: 261

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	674	117.00	26104	186.00	20504	272.00	101
38.00	1365	118.00	1700	187.00	5079	273.00	2714
39.00	5904	119.00	176	188.00	503	274.00	6807
40.00	226	120.00	259	189.00	1714	275.00	33040
41.00	823	121.00	117	190.00	241	276.00	4487
43.00	534	122.00	1833	191.00	566	277.00	4479
44.00	95	123.00	2823	192.00	1922	278.00	480
45.00	246	124.00	1425	193.00	1823	283.00	431
49.00	437	125.00	1019	194.00	478	284.00	337
50.00	22800	127.00	55992	196.00	2972	285.00	504
51.00	68072	128.00	4979	198.00	119576	286.00	81
52.00	3765	129.00	33160	199.00	7736	289.00	77
53.00	137	130.00	2944	200.00	529	290.00	89
55.00	993	131.00	528	201.00	556	291.00	91
56.00	2656	132.00	256	203.00	1274	292.00	106
57.00	5095	134.00	988	204.00	6062	293.00	717
58.00	241	135.00	2170	205.00	10639	294.00	130
61.00	900	136.00	1066	206.00	36016	296.00	13834
62.00	1263	137.00	1072	207.00	4337	297.00	1856
63.00	2684	138.00	105	208.00	1526	301.00	86
64.00	419	139.00	149	209.00	350	302.00	206
65.00	1083	140.00	327	210.00	289	303.00	1430
66.00	88	141.00	4204	211.00	1766	304.00	237
67.00	106	142.00	1350	215.00	459	308.00	114
69.00	84816	143.00	810	217.00	12419	309.00	96
70.00	229	144.00	94	218.00	1598	313.00	107
71.00	350	145.00	77	221.00	4237	314.00	791
73.00	666	146.00	1024	222.00	1566	315.00	1629
74.00	9460	147.00	2353	223.00	2487	316.00	700
75.00	11823	148.00	5187	224.00	20896	321.00	323
76.00	4443	149.00	1004	225.00	4909	322.00	134
77.00	65112	150.00	125	227.00	12326	323.00	3930
78.00	4232	151.00	284	228.00	1709	324.00	698
79.00	7012	152.00	116	229.00	2049	327.00	631
80.00	5159	153.00	1423	230.00	195	328.00	259

Data File: /chem/BNAMS4.i/8270/09-28-06/28sep06b.b/u32264.d

Date : 28-SEP-2006 14:10

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP271

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32264.d

Spectrum: Average Spectrum: 6.039 to 6.062 min.

Location of Maximum: 198.00

Number of points: 261

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	6196	154.00	612	231.00	706	332.00	277
82.00	1326	155.00	2043	232.00	84	333.00	366
83.00	1039	156.00	2936	233.00	117	334.00	2865
85.00	873	157.00	564	234.00	845	335.00	668
86.00	2132	158.00	947	235.00	801	341.00	350
87.00	702	159.00	741	236.00	634	346.00	710
88.00	214	160.00	1402	237.00	712	352.00	991
91.00	1800	161.00	1820	239.00	378	353.00	668
92.00	1848	162.00	280	240.00	426	354.00	953
93.00	12903	163.00	88	241.00	576	355.00	317
94.00	796	164.00	251	242.00	1209	365.00	6526
95.00	405	165.00	1670	244.00	13825	366.00	826
96.00	257	166.00	1192	245.00	2263	370.00	75
97.00	182	167.00	8099	246.00	4466	371.00	175
98.00	9689	168.00	3708	247.00	786	372.00	1858
99.00	6106	169.00	637	248.00	146	373.00	462
100.00	607	170.00	231	249.00	425	383.00	346
101.00	2390	171.00	451	251.00	251	402.00	709
102.00	246	172.00	931	252.00	199	403.00	1014
103.00	1043	173.00	1046	253.00	88	404.00	277
104.00	2132	174.00	1689	255.00	80720	421.00	710
105.00	2179	175.00	2775	256.00	11963	423.00	5546
106.00	90	176.00	463	257.00	1131	424.00	1217
107.00	24544	177.00	1618	258.00	6940	425.00	75
108.00	2791	179.00	6504	259.00	968	441.00	13560
110.00	35904	180.00	3718	260.00	165	442.00	86816
111.00	5990	181.00	1776	264.00	82	443.00	17464
112.00	980	182.00	341	265.00	2743	444.00	1278
113.00	146	183.00	80	266.00	406		
115.00	109	184.00	743	267.00	76		
116.00	626	185.00	2955	271.00	83		

Data File: /chem/BNAMS4.i/8270/09-28-06/28sep06b.b/u32264.d

Date : 28-SEP-2006 14:10

Client ID:

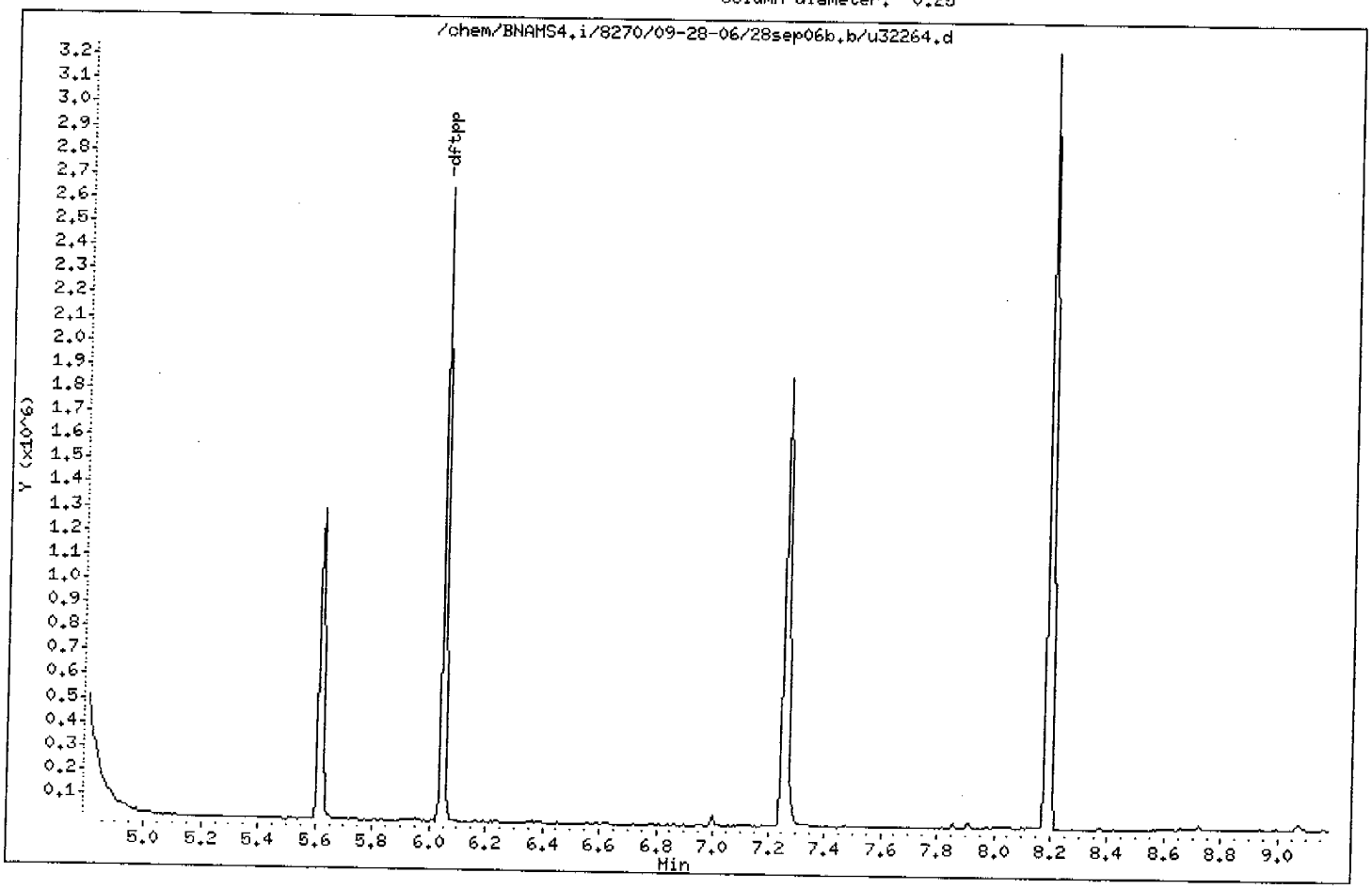
Instrument: BNAMS4.i

Sample Info: UDFTPP271

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U32451

DFTPP Injection Date: 10/09/06

Instrument ID: BNAMS4

DFTPP Injection Time: 1028

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	73.2
70	Less than 2.0% of mass 69	0.5 (0.7)1
127	40.0 - 60.0% of mass 198	45.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	25.1
365	Greater than 1.0% of mass 198	4.42
441	0.0 - 100.0% of mass 443	9.9 (94.2)2
442	40.0 - 110.0% of mass 198	58.2
443	17.0 - 23.0% of mass 442	10.5 (18.1)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD282A	USTD282A	U32452	10/09/06	1052
02	SB281	SB281	U32458	10/09/06	1435
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32451.d

Date : 09-OCT-2006 10:28

Client ID:

Instrument: BNAMS4.i

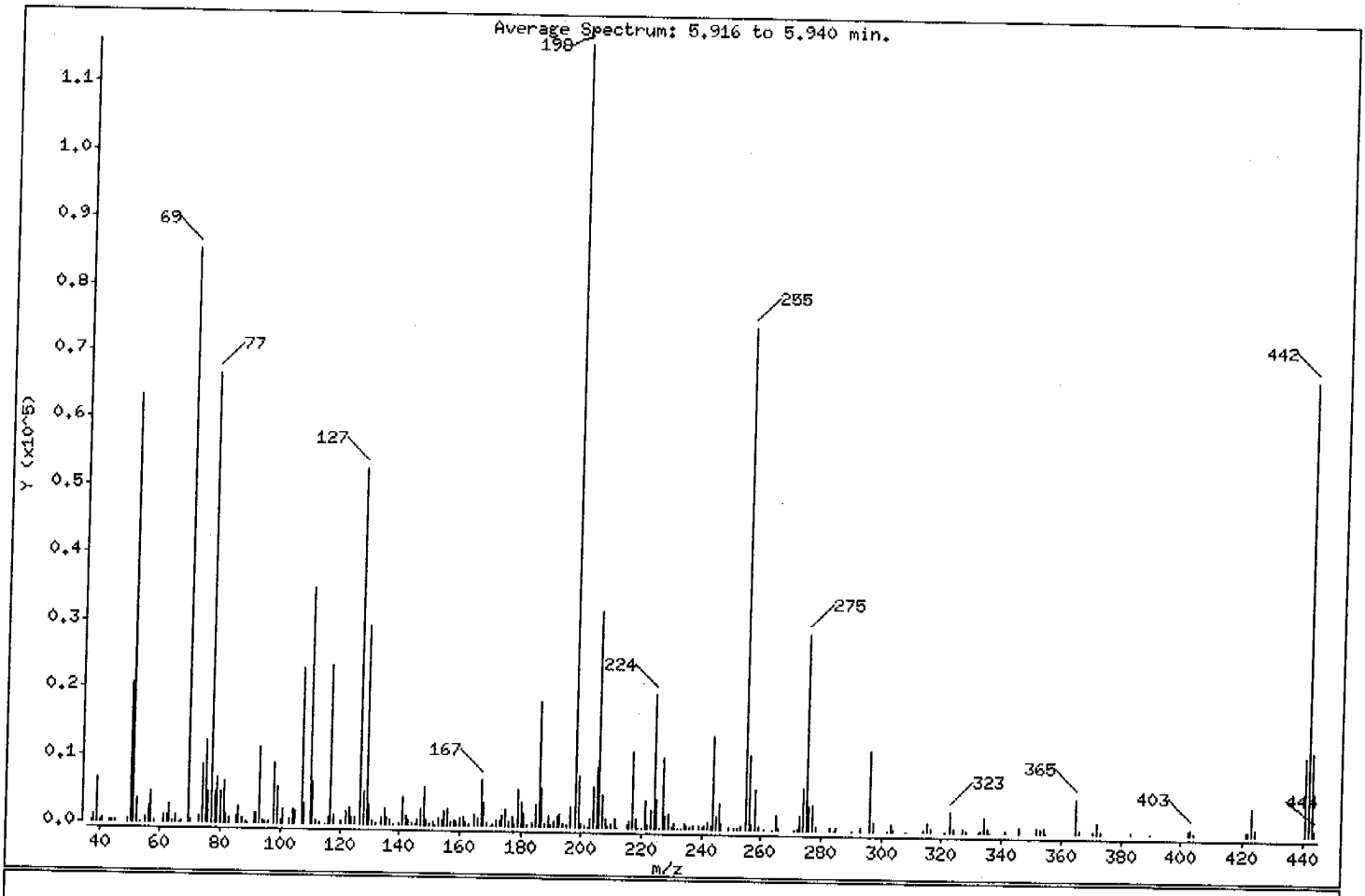
Sample Info: UDFTPP282a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.45
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	73.22
70	Less than 2.00% of mass 69	0.53 (0.73)
127	40.00 - 60.00% of mass 198	45.22
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.45
275	10.00 - 30.00% of mass 198	25.09
365	Greater than 1.00% of mass 198	4.42
441	0.01 - 100.00% of mass 443	9.90 (94.20)
442	40.00 - 110.00% of mass 198	58.17
443	17.00 - 23.00% of mass 442	10.51 (18.07)

Data File: /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32451.d

Date : 09-OCT-2006 10:28

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP282a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32451.d

Spectrum: Average Spectrum: 5.916 to 5.940 min.

Location of Maximum: 198.00

Number of points: 252

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	274	118.00	1354	189.00	1527	261.00	123
38.00	1100	120.00	405	190.00	217	264.00	117
39.00	6443	122.00	1925	191.00	669	265.00	2133
40.00	209	123.00	2428	192.00	1615	266.00	388
41.00	586	124.00	1171	193.00	1940	271.00	108
43.00	230	125.00	993	194.00	466	272.00	316
44.00	228	127.00	52560	195.00	195	273.00	2143
45.00	137	128.00	4894	196.00	2899	274.00	6241
49.00	463	129.00	29376	198.00	116248	275.00	29160
50.00	20560	130.00	2877	199.00	7502	276.00	3473
51.00	63296	131.00	530	200.00	590	277.00	3744
52.00	3496	132.00	138	201.00	253	278.00	479
53.00	86	134.00	985	202.00	117	283.00	430
55.00	898	135.00	2388	203.00	1435	284.00	107
56.00	2504	136.00	1018	204.00	5787	285.00	581
57.00	4504	137.00	848	205.00	8819	290.00	79
58.00	203	138.00	94	206.00	32088	293.00	642
61.00	1116	140.00	230	207.00	4745	296.00	11878
62.00	1026	141.00	3877	208.00	1272	297.00	1453
63.00	2543	142.00	1301	209.00	399	302.00	121
64.00	347	143.00	878	210.00	576	303.00	1139
65.00	1049	144.00	310	211.00	1298	304.00	185
66.00	84	145.00	279	212.00	110	308.00	79
67.00	199	146.00	703	215.00	643	314.00	371
69.00	85120	147.00	2321	216.00	941	315.00	1303
70.00	620	148.00	5487	217.00	11340	316.00	504
73.00	980	149.00	862	218.00	1275	321.00	114
74.00	8527	150.00	233	219.00	93	323.00	3043
75.00	12083	151.00	472	220.00	109	324.00	452
76.00	4421	152.00	105	221.00	4120	327.00	658
77.00	66480	153.00	941	222.00	584	328.00	314
78.00	4662	154.00	811	223.00	2617	332.00	85
79.00	6628	155.00	2264	224.00	19848	333.00	193
80.00	4636	156.00	2354	225.00	4348	334.00	2127
81.00	6068	157.00	565	226.00	128	335.00	459

Data File: /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32451.d

Date : 09-OCT-2006 10:28

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP282a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32451.d

Spectrum: Average Spectrum: 5.916 to 5.940 min.

Location of Maximum: 198.00

Number of points: 252

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	1436	158.00	679	227.00	10352	336.00	75
83.00	898	159.00	523	228.00	1972	341.00	232
85.00	1015	160.00	1167	229.00	2063	346.00	675
86.00	2277	161.00	1427	230.00	377	352.00	759
87.00	790	162.00	527	231.00	746	353.00	655
88.00	211	163.00	152	232.00	91	354.00	794
89.00	82	165.00	1696	233.00	114	355.00	86
91.00	1575	166.00	1149	234.00	780	365.00	5134
92.00	1715	167.00	6607	235.00	652	366.00	488
93.00	11297	168.00	3367	236.00	327	371.00	210
94.00	642	169.00	612	237.00	542	372.00	1615
95.00	246	170.00	109	239.00	411	373.00	311
96.00	319	171.00	310	240.00	248	383.00	280
98.00	8922	172.00	898	241.00	581	390.00	105
99.00	5343	173.00	839	242.00	1024	402.00	570
100.00	533	174.00	1589	243.00	512	403.00	738
101.00	2227	175.00	2506	244.00	13562	404.00	261
103.00	867	176.00	673	245.00	1794	421.00	627
104.00	2164	177.00	1310	246.00	3847	422.00	460
105.00	1988	178.00	229	247.00	702	423.00	4089
107.00	23016	179.00	5434	249.00	233	424.00	778
108.00	2967	180.00	3602	251.00	322	441.00	11514
110.00	34976	181.00	1833	252.00	196	442.00	67624
111.00	6049	182.00	220	253.00	620	443.00	12223
112.00	571	184.00	514	255.00	74632	444.00	908
113.00	223	185.00	3149	256.00	10844		
115.00	77	186.00	18400	257.00	877		
116.00	1074	187.00	5487	258.00	5955		
117.00	23624	188.00	560	259.00	636		

Data File: /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32451.d

Date : 09-OCT-2006 10:28

Client ID:

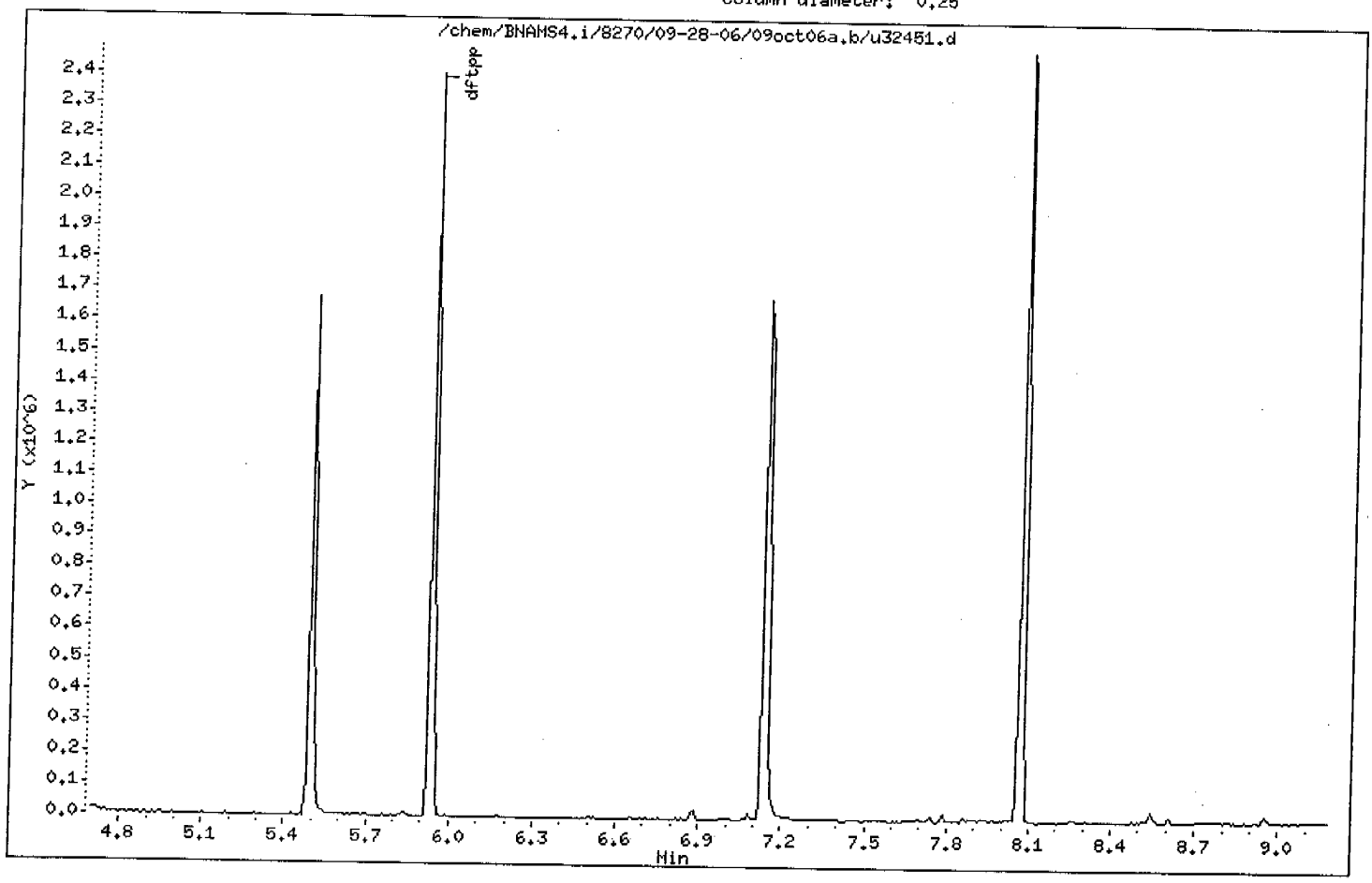
Instrument: BNAMS4.i

Sample Info: UDFTPP282a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U32477

DFTPP Injection Date: 10/11/06

Instrument ID: BNAMS4

DFTPP Injection Time: 1205

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.0
68	Less than 2.0% of mass 69	0.2 (0.3)1
69	Mass 69 relative abundance	69.9
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	46.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	26.7
365	Greater than 1.0% of mass 198	4.49
441	0.0 - 100.0% of mass 443	10.5 (85.4)2
442	40.0 - 110.0% of mass 198	61.5
443	17.0 - 23.0% of mass 442	12.3 (20.0)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD050	USTD050	U32478	10/11/06	1241
02	USTD120	USTD120	U32479	10/11/06	1319
03	USTD005	USTD005	U32480	10/11/06	1356
04	USTD080	USTD080	U32481	10/11/06	1433
05	USTD020	USTD020	U32482	10/11/06	1510
06	USTD010	USTD010	U32483	10/11/06	1547
07	B204-SS02	775888	U32485	10/11/06	1702
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32477.d

Date : 11-OCT-2006 12:05

Client ID:

Instrument: BNAMS4.i

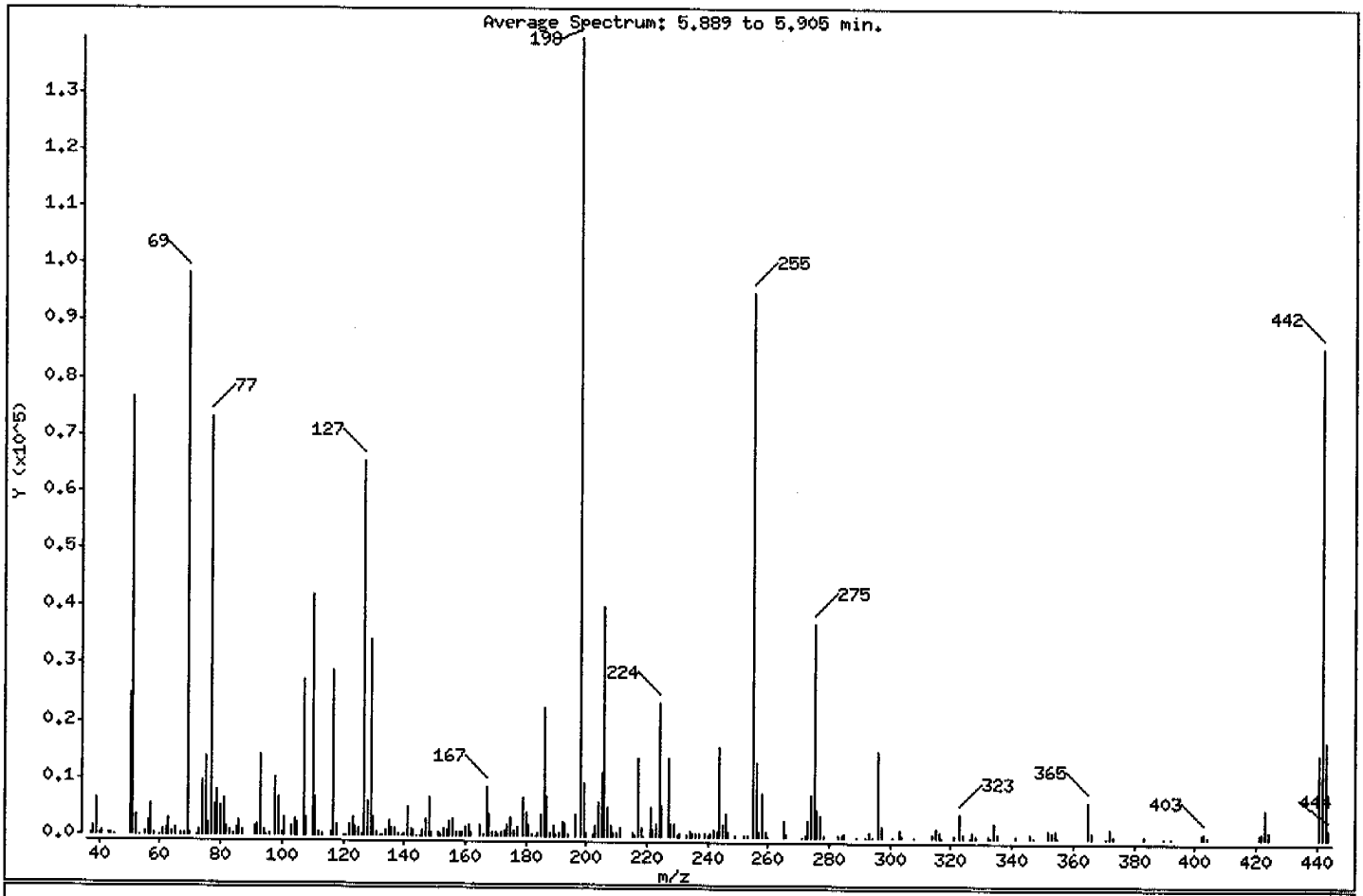
Sample Info: UDFTPP284

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.96
68	Less than 2.00% of mass 69	0.19 (0.27)
69	Mass 69 relative abundance	70.22
70	Less than 2.00% of mass 69	0.23 (0.33)
127	40.00 - 60.00% of mass 198	46.80
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.68
275	10.00 - 30.00% of mass 198	26.73
365	Greater than 1.00% of mass 198	4.49
441	0.01 - 100.00% of mass 443	10.50 (85.45)
442	40.00 - 110.00% of mass 198	61.45
443	17.00 - 23.00% of mass 442	12.29 (20.00)

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32477.d

Date : 11-OCT-2006 12:05

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP284

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32477.d

Spectrum: Average Spectrum: 5.889 to 5.905 min.

Location of Maximum: 198.00

Number of points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	474	118.00	2077	186.00	22456	271.00	123
38.00	1588	120.00	116	187.00	6916	272.00	400
39.00	6422	121.00	117	188.00	706	273.00	2798
40.00	282	122.00	1920	189.00	1871	274.00	7433
41.00	658	123.00	3208	190.00	208	275.00	37304
43.00	434	124.00	1707	191.00	685	276.00	4667
44.00	309	125.00	1152	192.00	2425	277.00	3930
45.00	142	126.00	161	193.00	2382	278.00	271
50.00	24696	127.00	65312	194.00	178	283.00	363
51.00	76696	128.00	5976	196.00	3852	284.00	281
52.00	3611	129.00	34368	198.00	139520	285.00	633
53.00	134	130.00	3089	199.00	9325	289.00	100
55.00	801	131.00	511	200.00	683	292.00	120
56.00	2674	132.00	129	202.00	290	293.00	946
57.00	5343	133.00	119	203.00	1822	294.00	117
58.00	297	134.00	1010	204.00	6195	296.00	14916
60.00	119	135.00	2690	205.00	11154	297.00	1911
61.00	809	136.00	1186	206.00	39952	301.00	136
62.00	1424	137.00	1411	207.00	5262	303.00	1413
63.00	2839	138.00	354	208.00	1907	304.00	346
64.00	514	139.00	120	209.00	682	308.00	124
65.00	1320	140.00	444	210.00	518	314.00	546
67.00	278	141.00	5263	211.00	1734	315.00	1529
68.00	262	142.00	1350	215.00	630	316.00	856
69.00	98000	143.00	899	216.00	295	317.00	103
70.00	324	144.00	100	217.00	13869	321.00	434
72.00	101	145.00	160	218.00	1565	323.00	4217
73.00	1016	146.00	887	219.00	107	324.00	748
74.00	9734	147.00	2841	221.00	5116	326.00	135
75.00	13751	148.00	6865	222.00	1227	327.00	831
76.00	2376	149.00	769	223.00	2156	328.00	399
77.00	73096	151.00	525	224.00	23264	332.00	285
78.00	5512	152.00	340	225.00	5445	333.00	135
79.00	7881	153.00	1401	227.00	13842	334.00	2607
80.00	5183	154.00	1099	228.00	2161	335.00	696

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32477.d

Date : 11-OCT-2006 12:05

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP284

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32477.d

Spectrum: Average Spectrum: 5.889 to 5.905 min.

Location of Maximum: 198.00

Number of points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	6471	155.00	2611	229.00	2230	341.00	344
82.00	1556	156.00	2768	230.00	302	346.00	728
83.00	950	157.00	739	231.00	669	347.00	110
84.00	368	158.00	666	233.00	273	352.00	1205
85.00	1323	159.00	525	234.00	865	353.00	804
86.00	2514	160.00	1506	235.00	735	354.00	1182
87.00	861	161.00	1829	236.00	580	355.00	112
91.00	1673	162.00	559	237.00	766	365.00	6262
92.00	1847	165.00	1852	239.00	506	366.00	926
93.00	14103	166.00	271	240.00	329	371.00	104
94.00	821	167.00	8706	241.00	753	372.00	1660
95.00	109	168.00	3785	242.00	1125	373.00	354
96.00	371	169.00	578	243.00	804	383.00	396
98.00	10139	170.00	629	244.00	15563	390.00	139
99.00	6884	171.00	249	245.00	2326	392.00	107
100.00	526	172.00	749	246.00	4203	402.00	568
101.00	3089	173.00	1103	247.00	915	403.00	891
103.00	1475	174.00	1871	249.00	406	404.00	203
104.00	2777	175.00	3302	252.00	219	421.00	719
105.00	2392	176.00	843	253.00	348	422.00	850
107.00	27200	177.00	1552	255.00	95024	423.00	5074
108.00	3328	179.00	6633	256.00	13184	424.00	1263
110.00	41920	180.00	4191	257.00	928	441.00	14655
111.00	6837	181.00	1783	258.00	7547	442.00	85760
112.00	754	182.00	263	259.00	924	443.00	17144
113.00	176	183.00	157	260.00	143	444.00	1642
116.00	784	184.00	758	265.00	2805		
117.00	28984	185.00	3699	266.00	570		

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06.b/u32477.d

Date : 11-OCT-2006 12:05

Client ID:

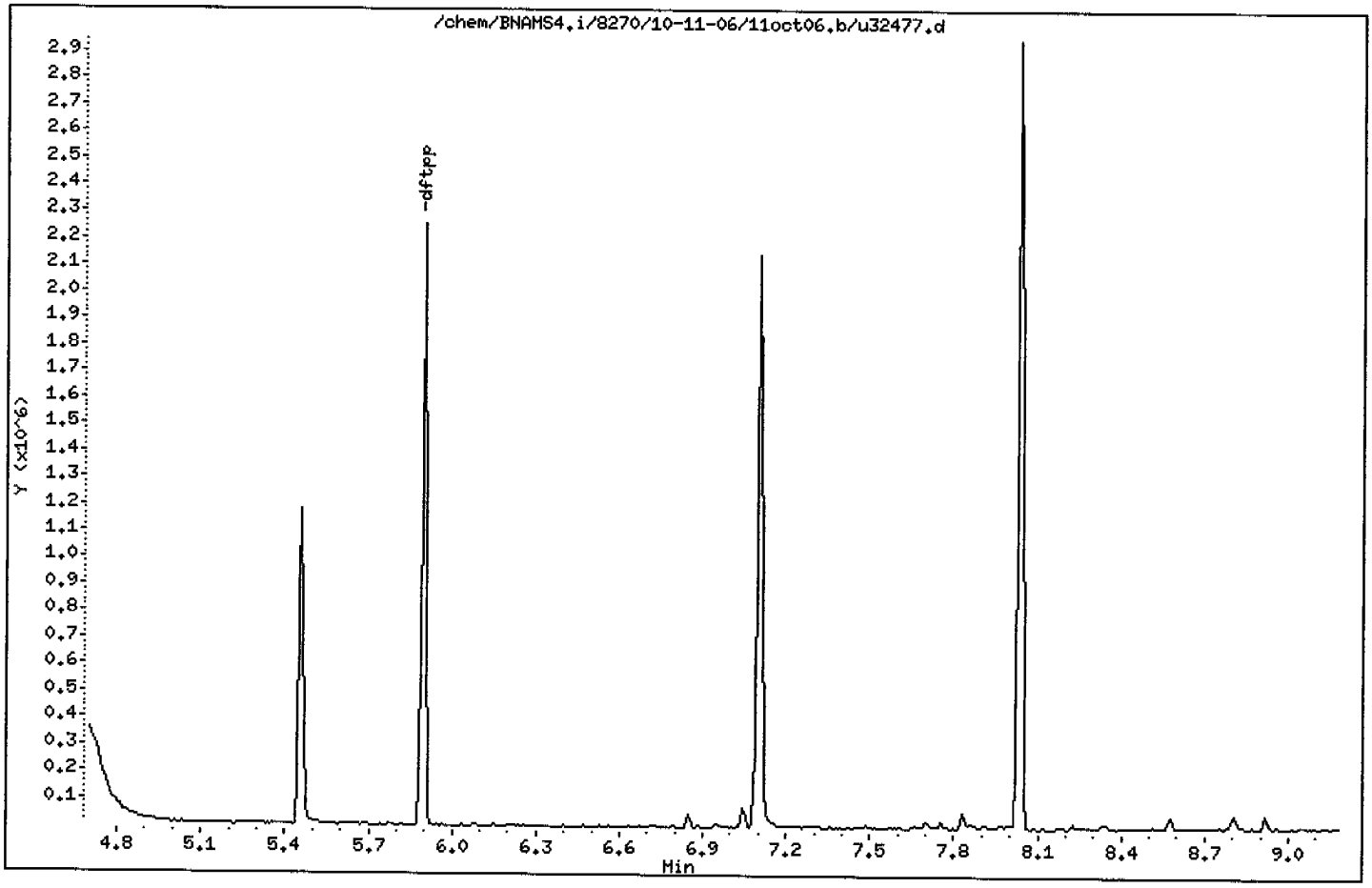
Instrument: BNAMS4.i

Sample Info: UDFTPP284

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U32486

DFTPP Injection Date: 10/11/06

Instrument ID: BNAMS4

DFTPP Injection Time: 1808

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	71.9
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	49.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	27.7
365	Greater than 1.0% of mass 198	4.63
441	0.0 - 100.0% of mass 443	10.9 (89.2)2
442	40.0 - 110.0% of mass 198	65.6
443	17.0 - 23.0% of mass 442	12.2 (18.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD284A	USTD284A	U32487	10/11/06	1837
02	B204-SS01	775886	U32502	10/12/06	0406
03	B204-SS01D	775887	U32503	10/12/06	0443
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32486.d

Date : 11-OCT-2006 18:08

Client ID:

Instrument: BNAMS4.i

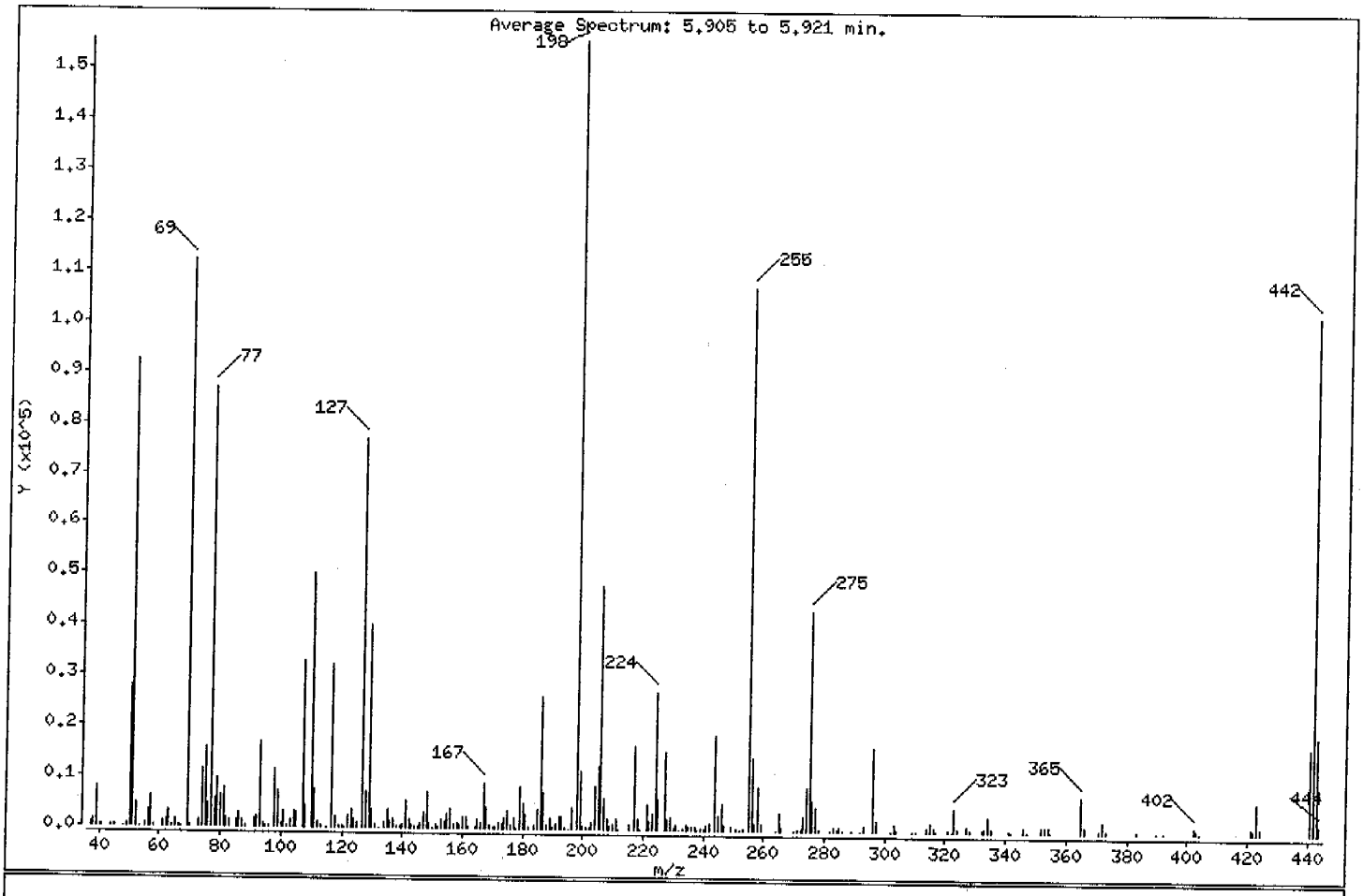
Sample Info: UDFTPP284a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	59.33
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	71.91
70	Less than 2.00% of mass 69	0.18 (0.25)
127	40.00 - 60.00% of mass 198	49.36
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.34
275	10.00 - 30.00% of mass 198	27.74
365	Greater than 1.00% of mass 198	4.63
441	0.01 - 100.00% of mass 443	10.87 (89.19)
442	40.00 - 110.00% of mass 198	65.59
443	17.00 - 23.00% of mass 442	12.18 (18.57)

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32486.d

Date : 11-OCT-2006 18:08

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP284a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32486.d

Spectrum: Average Spectrum: 5.905 to 5.921 min.

Location of Maximum: 198.00

Number of points: 259

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	769	120.00	294	189.00	2314	271.00	187
38.00	1602	121.00	126	190.00	286	272.00	194
39.00	7802	122.00	2452	191.00	1029	273.00	2875
40.00	375	123.00	3454	192.00	2432	274.00	8773
41.00	302	124.00	1685	193.00	2522	275.00	43216
44.00	386	125.00	1184	194.00	462	276.00	6170
45.00	327	127.00	76896	195.00	103	277.00	4686
48.00	102	128.00	7325	196.00	4239	278.00	482
49.00	855	129.00	40080	198.00	155776	282.00	108
50.00	27984	130.00	3737	199.00	11437	283.00	539
51.00	92416	131.00	591	200.00	849	284.00	276
52.00	4824	132.00	101	201.00	395	285.00	754
53.00	123	134.00	1068	202.00	340	286.00	115
55.00	889	135.00	3439	203.00	1604	289.00	100
56.00	3320	136.00	1260	204.00	8425	292.00	128
57.00	5967	137.00	1634	205.00	12378	293.00	1223
58.00	210	138.00	212	206.00	47952	296.00	16302
61.00	1176	139.00	371	207.00	6141	297.00	2303
62.00	1516	140.00	651	208.00	2048	302.00	158
63.00	3329	141.00	5405	209.00	730	303.00	1501
64.00	385	142.00	1696	210.00	940	304.00	397
65.00	1546	143.00	854	211.00	1998	309.00	105
66.00	262	144.00	185	212.00	114	310.00	102
67.00	110	145.00	258	215.00	978	314.00	633
69.00	112024	146.00	957	217.00	16424	315.00	1799
70.00	285	147.00	3269	218.00	2019	316.00	701
73.00	1346	148.00	7132	219.00	103	317.00	107
74.00	11591	149.00	905	221.00	5141	321.00	310
75.00	15893	150.00	137	222.00	1932	322.00	123
76.00	4592	151.00	803	223.00	3360	323.00	4765
77.00	86920	152.00	322	224.00	27312	324.00	847
78.00	5741	153.00	1654	225.00	6187	327.00	1003
79.00	9535	154.00	1326	227.00	15341	328.00	206
80.00	6432	155.00	2986	228.00	2214	332.00	340
81.00	7897	156.00	3970	229.00	2564	333.00	601

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32486.d

Date : 11-OCT-2006 18:08

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP284a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32486.d

Spectrum: Average Spectrum: 5.905 to 5.921 min.

Location of Maximum: 198.00

Number of points: 259

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	1802	157.00	688	230.00	452	334.00	2771
83.00	1548	158.00	1067	231.00	942	335.00	581
85.00	1480	159.00	774	232.00	108	341.00	307
86.00	2784	160.00	1973	233.00	367	342.00	118
87.00	1391	161.00	2095	234.00	998	346.00	1108
88.00	386	162.00	416	235.00	771	347.00	112
91.00	1792	164.00	268	236.00	839	352.00	1182
92.00	2117	165.00	1849	237.00	790	353.00	1027
93.00	16992	166.00	1134	238.00	129	354.00	965
94.00	809	167.00	8799	239.00	525	355.00	106
95.00	269	168.00	4361	240.00	334	365.00	7209
96.00	535	169.00	561	241.00	904	366.00	945
98.00	11361	170.00	282	242.00	1322	371.00	202
99.00	7340	171.00	326	244.00	18680	372.00	2104
100.00	644	172.00	1002	245.00	2706	373.00	461
101.00	3398	173.00	1148	246.00	5443	383.00	468
102.00	182	174.00	2086	247.00	901	390.00	145
103.00	1586	175.00	3628	249.00	676	392.00	110
104.00	3292	176.00	829	251.00	213	402.00	908
105.00	2809	177.00	2012	252.00	100	403.00	851
107.00	32800	178.00	157	253.00	427	404.00	154
108.00	4156	179.00	8266	255.00	106976	421.00	1077
110.00	49992	180.00	4982	256.00	14271	422.00	731
111.00	7507	181.00	2713	257.00	1352	423.00	6169
112.00	1027	182.00	322	258.00	8535	424.00	1228
113.00	258	184.00	808	259.00	1388	441.00	16920
115.00	133	185.00	4093	264.00	107	442.00	102168
117.00	32192	186.00	26096	265.00	3432	443.00	18976
118.00	2205	187.00	7332	266.00	713	444.00	1834
119.00	200	188.00	767	270.00	111		

Data File: /chem/BNAMS4.i/8270/10-11-06/11oct06a.b/u32486.d

Date : 11-OCT-2006 18:08

Client ID:

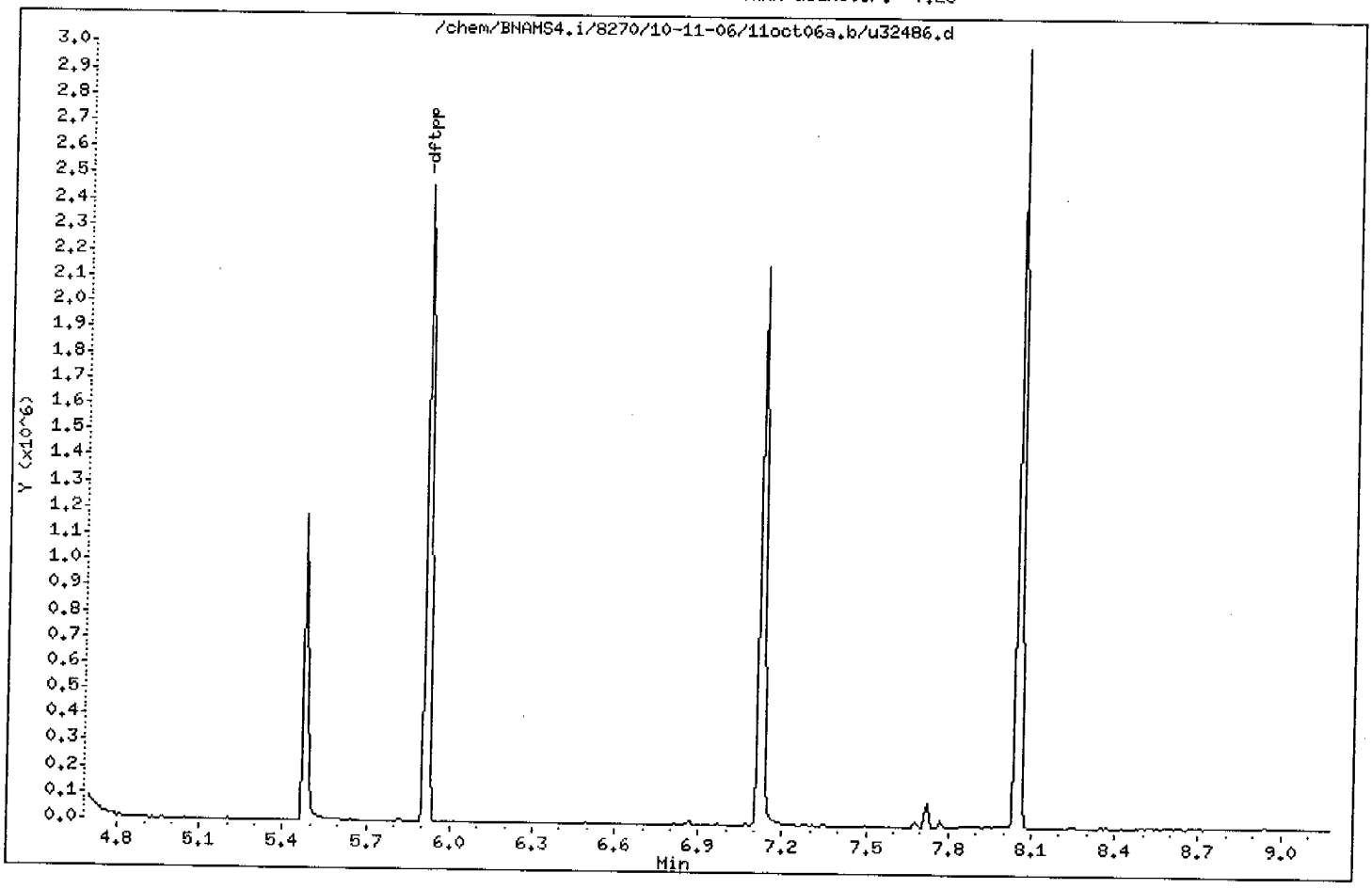
Instrument: BNAMS4.i

Sample Info: UDFTPP284a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: U32509

DFTPP Injection Date: 10/12/06

Instrument ID: BNAMS4

DFTPP Injection Time: 1254

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	71.7
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	48.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	27.5
365	Greater than 1.0% of mass 198	5.34
441	0.0 - 100.0% of mass 443	11.7 (85.2)2
442	40.0 - 110.0% of mass 198	72.6
443	17.0 - 23.0% of mass 442	13.7 (18.8)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	USTD285A	USTD285A	U32510	10/12/06	1319
02	B204-SS01R1	775886R1	U32518	10/12/06	1818
03	B204-SS01DR1	775887R1	U32519	10/12/06	1856
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS4.i/8270/10-11-06/12oct06a.b/u32509.d

Date : 12-OCT-2006 12:54

Client ID:

Instrument: BNAMS4.i

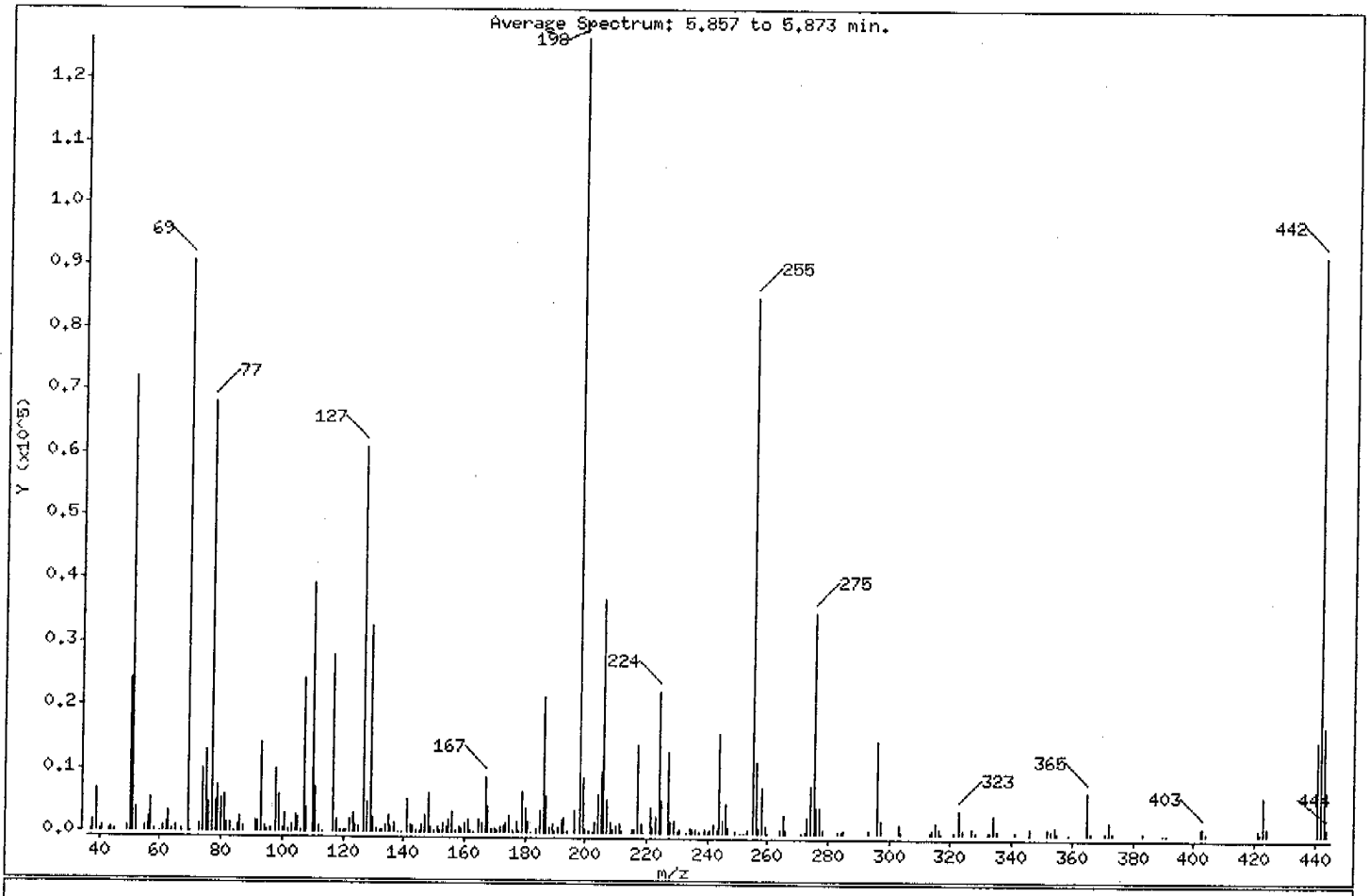
Sample Info: UDFTPP285a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	57.08
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	71.68
70	Less than 2.00% of mass 69	0.11 (0.16)
127	40.00 - 60.00% of mass 198	47.98
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	27.47
365	Greater than 1.00% of mass 198	5.34
441	0.01 - 100.00% of mass 443	11.66 (85.23)
442	40.00 - 110.00% of mass 198	72.63
443	17.00 - 23.00% of mass 442	13.68 (18.84)

Data File: /chem/BNAMS4.i/8270/10-11-06/12oct06a.b/u32509.d

Date : 12-OCT-2006 12:54

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP285a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32509.d

Spectrum: Average Spectrum: 5.857 to 5.873 min.

Location of Maximum: 198.00

Number of points: 249

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	379	119.00	411	186.00	21544	260.00	113
38.00	1755	120.00	330	187.00	5697	264.00	449
39.00	6580	121.00	197	188.00	732	265.00	2921
40.00	309	122.00	2163	189.00	1598	266.00	480
41.00	777	123.00	2907	190.00	367	271.00	121
43.00	391	124.00	1156	191.00	858	272.00	187
44.00	443	125.00	968	192.00	2155	273.00	2731
45.00	270	127.00	60680	193.00	2445	274.00	7448
49.00	1001	128.00	4673	194.00	247	275.00	34744
50.00	24256	129.00	32640	196.00	3494	276.00	3943
51.00	72184	130.00	2372	198.00	126464	277.00	4150
52.00	3646	131.00	655	199.00	8766	278.00	553
55.00	901	132.00	228	200.00	647	283.00	435
56.00	2228	133.00	244	201.00	289	284.00	167
57.00	5337	134.00	1087	202.00	128	285.00	521
58.00	174	135.00	2582	203.00	1629	293.00	689
60.00	123	136.00	1004	204.00	6071	296.00	14606
61.00	868	137.00	1375	205.00	9611	297.00	1905
62.00	1407	138.00	111	206.00	36808	303.00	1567
63.00	3190	139.00	144	207.00	5239	304.00	265
64.00	432	141.00	5194	208.00	1783	313.00	162
65.00	970	142.00	1257	209.00	480	314.00	555
67.00	147	143.00	1009	210.00	1092	315.00	1615
69.00	90648	144.00	164	211.00	1592	316.00	867
70.00	141	145.00	245	212.00	247	317.00	107
73.00	1248	146.00	1112	215.00	603	321.00	199
74.00	9769	147.00	2560	216.00	471	323.00	3725
75.00	12895	148.00	6016	217.00	14049	324.00	579
76.00	4722	149.00	857	218.00	1364	327.00	913
77.00	68112	150.00	185	219.00	123	328.00	289
78.00	4964	151.00	801	221.00	4082	332.00	152
79.00	7236	152.00	279	222.00	868	333.00	405
80.00	5122	153.00	1574	223.00	2640	334.00	2806
81.00	5944	154.00	870	224.00	22408	335.00	497
82.00	1321	155.00	2067	225.00	5141	341.00	357

Data File: /chem/BNAMS4.i/8270/10-11-06/12oct06a.b/u32509.d

Date : 12-OCT-2006 12:54

Client ID:

Instrument: BNAMS4.i

Sample Info: UDFTPP285a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25

Data File: u32509.d

Spectrum: Average Spectrum: 5.857 to 5.873 min.

Location of Maximum: 198.00

Number of points: 249

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1404	156.00	3192	227.00	12918	346.00	752
84.00	120	157.00	379	228.00	1789	352.00	927
85.00	1079	158.00	944	229.00	2116	353.00	520
86.00	2188	159.00	660	230.00	208	354.00	1140
87.00	853	160.00	1495	231.00	526	355.00	157
91.00	1879	161.00	1937	233.00	145	359.00	118
92.00	1825	162.00	189	234.00	903	365.00	6751
93.00	13855	163.00	121	235.00	457	366.00	315
94.00	769	165.00	2028	236.00	616	371.00	261
95.00	235	166.00	1428	237.00	422	372.00	1897
96.00	572	167.00	8737	239.00	442	373.00	168
98.00	9865	168.00	4035	240.00	298	383.00	378
99.00	5864	169.00	588	241.00	682	390.00	118
100.00	563	170.00	456	242.00	1329	391.00	115
101.00	3026	171.00	427	243.00	703	402.00	736
102.00	261	172.00	980	244.00	15637	403.00	1173
103.00	1072	173.00	1083	245.00	2012	404.00	328
104.00	2500	174.00	1586	246.00	4530	421.00	784
105.00	2188	175.00	2713	247.00	771	422.00	414
106.00	406	176.00	424	249.00	415	423.00	6023
107.00	24024	177.00	1885	251.00	101	424.00	1046
108.00	3702	178.00	429	252.00	143	441.00	14748
110.00	39312	179.00	6423	253.00	477	442.00	91856
111.00	6978	180.00	3890	255.00	84752	443.00	17296
112.00	812	181.00	1787	256.00	11305	444.00	1284
113.00	125	182.00	104	257.00	926		
117.00	27800	184.00	499	258.00	7169		
118.00	2098	185.00	3424	259.00	1058		

Data File: /chem/BNAMS4.i/8270/10-11-06/12oct06a.b/u32509.d

Date : 12-OCT-2006 12:54

Client ID:

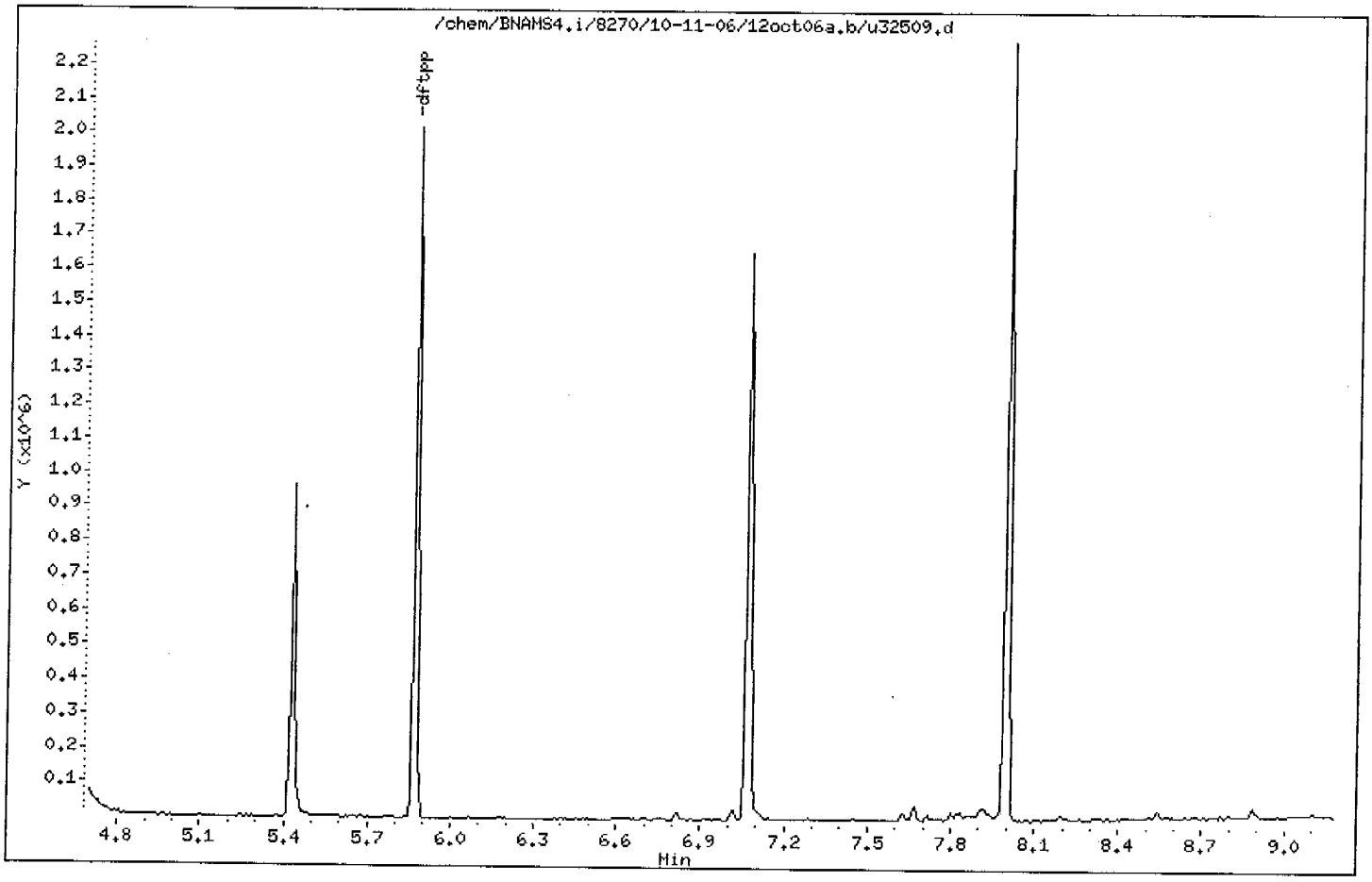
Instrument: BNAMS4.i

Sample Info: UDFTPP285a

Operator: BNAMS4

Column phase: DB-5

Column diameter: 0.25



Method Blank Results Summary

SEMIVOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

SB281

Matrix: SOIL

Level: LOW

Instrument ID: BNAMS4

Date Analyzed: 10/09/06

Time Analyzed: 1435

Lab File ID: U32458

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	B204-SS02	775888	U32485	10/11/06
02	B204-SS01	775886	U32502	10/12/06
03	B204-SS01D	775887	U32503	10/12/06
04	B204-SS01R1	775886R1	U32518	10/12/06
05	B204-SS01DR1	775887R1	U32519	10/12/06
06				
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COMMENTS:

Client ID: **SB281**
Site:

Lab Sample No: **SB281**
Lab Job No: Y024

Date Sampled: _____
Date Received: _____
Date Extracted: 10/08/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32458.d

Matrix: SOIL
Level: LOW
Sample Weight: 0.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Phenol	ND	5.0
2-Chlorophenol	ND	5.0
2-Methylphenol	ND	5.0
4-Methylphenol	ND	5.0
2-Nitrophenol	ND	5.0
2,4-Dimethylphenol	ND	5.0
2,4-Dichlorophenol	ND	5.0
4-Chloro-3-methylphenol	ND	5.0
2,4,6-Trichlorophenol	ND	5.0
2,4,5-Trichlorophenol	ND	5.0
2,4-Dinitrophenol	ND	15
4-Nitrophenol	ND	15
4,6-Dinitro-2-methylphenol	ND	15
Pentachlorophenol	ND	15
Benzoic Acid	ND	5.0
N-Nitrosodimethylamine	ND	5.0
bis(2-Chloroethyl)ether	ND	0.5
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
bis(2-chloroisopropyl)ether	ND	5.0
N-Nitroso-di-n-propylamine	ND	0.5
Hexachloroethane	ND	0.5
Nitrobenzene	ND	0.5
Isophorone	ND	5.0
bis(2-Chloroethoxy)methane	ND	5.0
1,2,4-Trichlorobenzene	ND	0.5
Naphthalene	ND	5.0
4-Chloroaniline	ND	5.0
Hexachlorobutadiene	ND	1.0
2-Methylnaphthalene	ND	5.0
Hexachlorocyclopentadiene	ND	5.0
2-Chloronaphthalene	ND	5.0
2-Nitroaniline	ND	10

Client ID: **SB281**
Site:

Lab Sample No: **SB281**
Lab Job No: Y024

Date Sampled: _____
Date Received: _____
Date Extracted: 10/08/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32458.d

Matrix: SOIL
Level: LOW
Sample Weight: 0.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dimethylphthalate	ND	5.0
Acenaphthylene	ND	5.0
2,6-Dinitrotoluene	ND	1.0
3-Nitroaniline	ND	10
Acenaphthene	ND	5.0
Dibenzofuran	ND	5.0
2,4-Dinitrotoluene	ND	1.0
Diethylphthalate	ND	5.0
4-Chlorophenyl-phenylether	ND	5.0
Fluorene	ND	5.0
4-Nitroaniline	ND	10
N-Nitrosodiphenylamine	ND	5.0
4-Bromophenyl-phenylether	ND	5.0
Hexachlorobenzene	ND	0.5
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Carbazole	ND	5.0
Di-n-butylphthalate	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzidine	ND	10
Butylbenzylphthalate	ND	5.0
3,3'-Dichlorobenzidine	ND	10
Benzo(a)anthracene	ND	0.5
Chrysene	ND	5.0
bis(2-Ethylhexyl)phthalate	ND	5.0
Di-n-octylphthalate	ND	5.0
Benzo(b)fluoranthene	ND	0.5
Benzo(k)fluoranthene	ND	0.5
Benzo(a)pyrene	ND	0.5
Indeno(1,2,3-cd)pyrene	ND	0.5
Dibenz(a,h)anthracene	ND	0.5
Benzo(g,h,i)perylene	ND	5.0
Pyridine	ND	5.0

Client ID: **SB281**
Site:

Lab Sample No: **SB281**
Lab Job No: Y024

Date Sampled: _____
Date Received: _____
Date Extracted: 10/08/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32458.d

Matrix: SOIL
Level: LOW
Sample Weight: 0.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aniline	ND	5.0
Benzyl Alcohol	ND	5.0
1,2-Diphenylhydrazine	ND	5.0
Diphenyl	ND	5.0
Diphenyl Ether	ND	5.0
Acetophenone	ND	5.0
1,4-Dioxane	ND	5.0
N,N-Dimethylaniline	ND	0.5
2,3,7,8-TCDD (Screen)	ND	0.5
Benzaldehyde	ND	5.0
Caprolactam	ND	5.0
Atrazine	ND	5.0
n-decane	ND	5.0
Coumarin	ND	5.0
n-Octadecane	ND	5.0
o-Tricresylphosphate	ND	5.0
Carbamazepine	ND	10
1-Methylnaphthalene	ND	10

Client ID: **SB281**
Site:

Lab Sample No: **SB281**
Lab Job No: Y024

Date Sampled: _____
Date Received: _____
Date Extracted: 10/08/06
Date Analyzed: 10/09/06
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u32458.d

Matrix: SOIL
Level: LOW
Sample Weight: 0.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 0.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Aldol Condensate	4.42	10	
2.	Unknown Aldol Condensate	5.07	710	
3.				
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION: 720

Data File: /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32458.d
Report Date: 10-Oct-2006 06:16

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

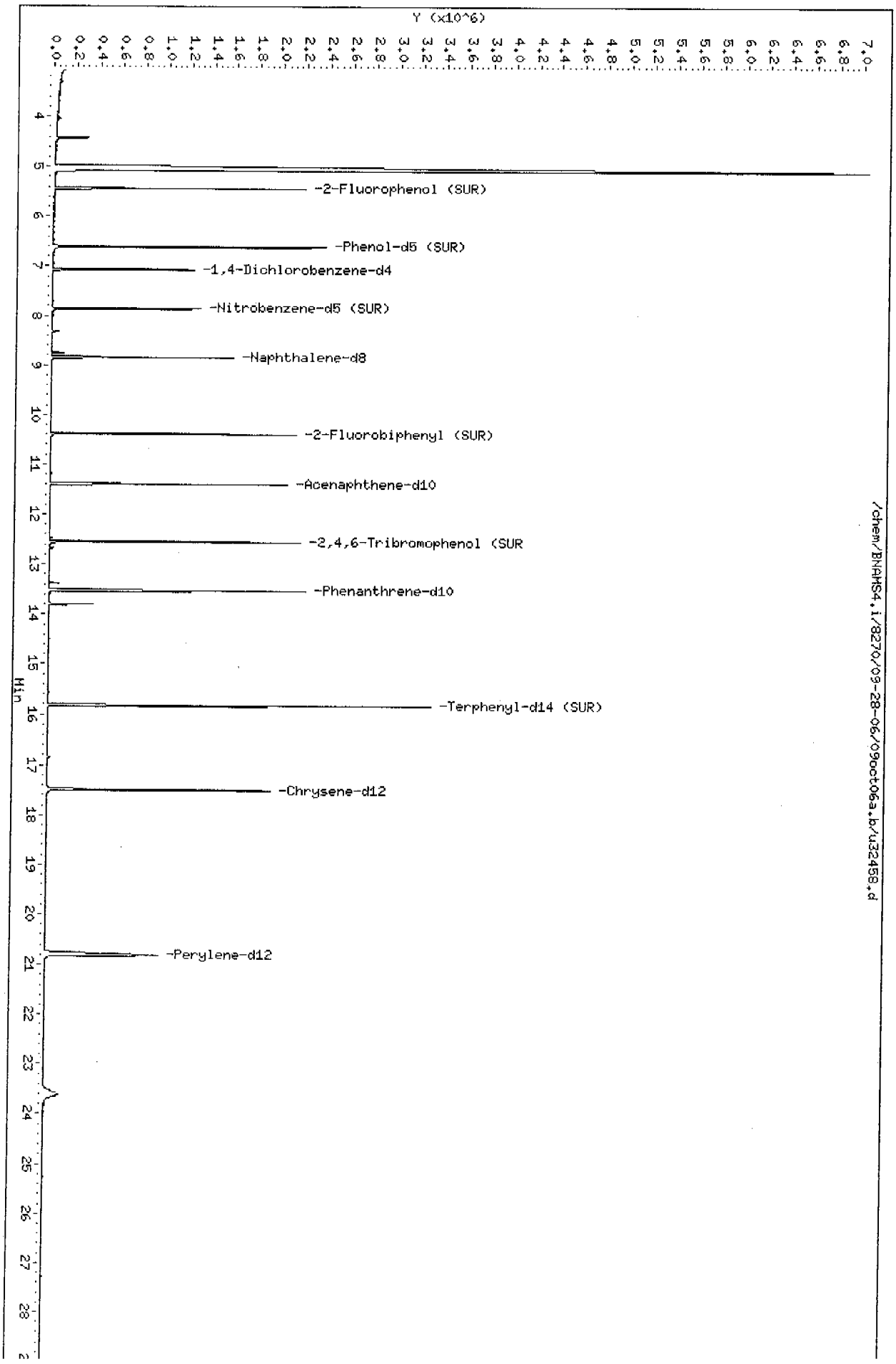
Data file : /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32458.d
Lab Smp Id: SB281 Client Smp ID: SB281
Inj Date : 09-OCT-2006 14:35
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : SB281;MB63731
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/8270C6-1.m
Meth Date : 09-Oct-2006 14:12 monica Quant Type: ISTD
Cal Date : 28-SEP-2006 17:48 Cal File: u32270.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	0.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	5.434	5.423	(0.769)	504617	71.6037	72
$ 17 Phenol-d5 (SUR)	99	6.613	6.622	(0.936)	752510	89.3127	89
* 79 1,4-Dichlorobenzene-d4	152	7.063	7.060	(1.000)	172447	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	7.856	7.871	(0.889)	509298	41.2555	41
* 80 Naphthalene-d8	136	8.837	8.847	(1.000)	749088	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.384	10.394	(0.912)	743719	39.2169	39
* 82 Acenaphthene-d10	164	11.392	11.394	(1.000)	580369	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.549	12.554	(1.102)	288026	53.6149	54
* 83 Phenanthrene-d10	188	13.522	13.534	(1.000)	979952	40.0000	
$ 78 Terphenyl d14 (SUR)	244	15.821	15.825	(0.904)	1387440	43.1184	43
* 81 Chrysene-d12	240	17.497	17.514	(1.000)	1359298	40.0000	
* 84 Perylene-d12	264	20.805	20.827	(1.000)	1125768	40.0000	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Date : 09-OCT-2006 14:35
Client ID: SB281
Sample Info: SB281;MB63731
Column phase: DB-5
Instrument: BNAMS4.i
Operator: BNAMS 4
Column diameter: 0.25
/chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32458.d
Y (x10^6)
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12

Data File: /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32458.d

Date : 09-OCT-2006 14:35

Client ID: SB281

Instrument: BNAMS4.i

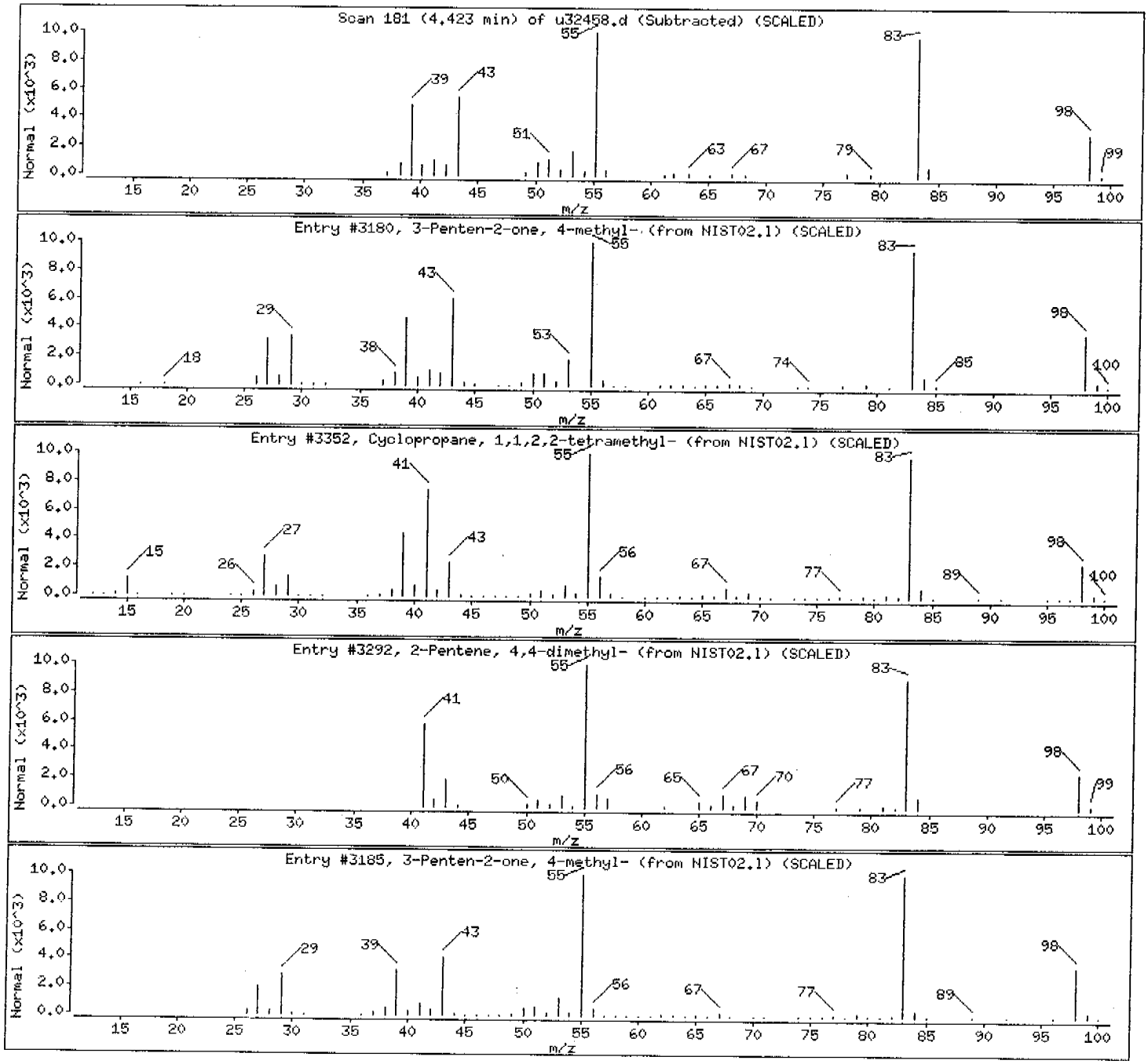
Sample Info: SB281;MB63731

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
3-Penten-2-one, 4-methyl-	141-79-7	NIST02.1	3180	91	C6H10O	98
Cyclopropane, 1,1,2,2-tetramethyl-	4127-47-3	NIST02.1	3352	72	C7H14	98
2-Pentene, 4,4-dimethyl-	26232-98-4	NIST02.1	3292	72	C7H14	98
3-Penten-2-one, 4-methyl-	141-79-7	NIST02.1	3185	68	C6H10O	98



Data File: /chem/BNAMS4.i/8270/09-28-06/09oct06a.b/u32458.d

Date : 09-OCT-2006 14:35

Client ID: SB281

Instrument: BNAMS4.i

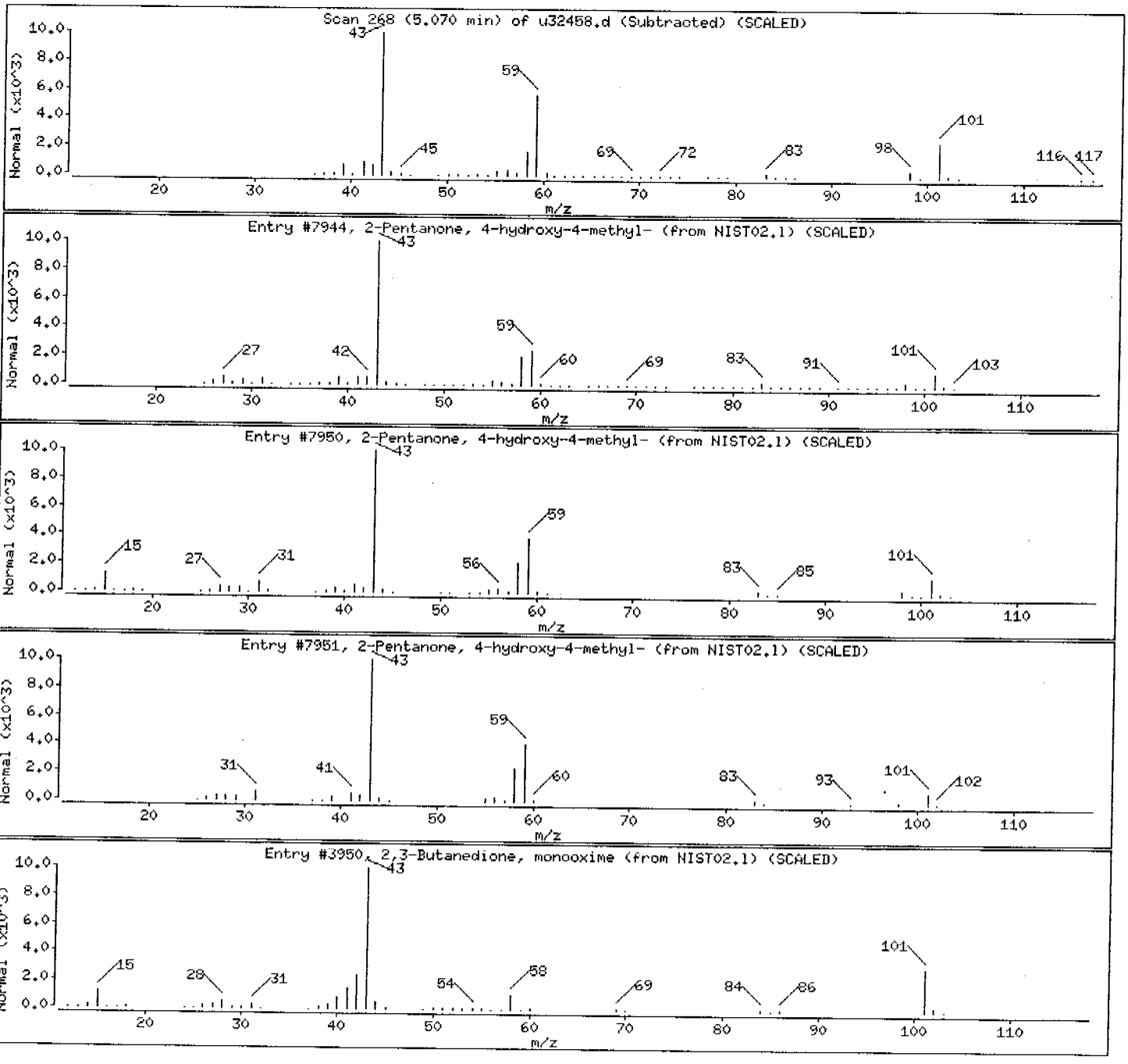
Sample Info: SB281;MB63731

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.l	7944	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.l	7950	45	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.l	7951	40	C6H12O2	116
2,3-Butanedione, monooxime	57-71-6	NIST02.l	3950	35	C4H7NO2	101



Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

LAB FILE ID: RRF5: U32267 RRF20: U32269 RRF50: U32265
RRF80: U32268 RRF120: U32266

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	1.748	1.970	1.950	2.052	2.188
2-Chlorophenol	1.099	1.150	1.165	1.312	1.365
2-Methylphenol	1.146	1.272	1.300	1.511	1.564
4-Methylphenol	1.268	1.405	1.585	1.875	1.968
2-Nitrophenol	0.154	0.213	0.232	0.243	0.247
2,4-Dimethylphenol	0.333	0.320	0.328	0.347	0.360
2,4-Dichlorophenol	0.320	0.316	0.345	0.370	0.364
4-Chloro-3-methylphenol	0.482	0.494	0.510	0.470	0.438
2,4,6-Trichlorophenol	0.227	0.355	0.446	0.440	0.450
2,4,5-Trichlorophenol	0.298	0.387	0.446	0.454	0.495
2,4-Dinitrophenol	0.116	0.157	0.209	0.212	0.230
4-Nitrophenol	0.417	0.435	0.476	0.484	0.495
4,6-Dinitro-2-methylphenol	0.148	0.143	0.168	0.198	0.216
Pentachlorophenol	0.088	0.118	0.156	0.174	0.192
Benzoic Acid	0.020	0.112	0.134	0.143	0.144
N-Nitrosodimethylamine	0.720	1.138	0.970	1.022	0.979
bis(2-Chloroethyl)ether	1.300	1.661	1.469	1.490	1.577
1,3-Dichlorobenzene	1.228	1.523	1.508	1.647	1.708
1,4-Dichlorobenzene	1.239	1.424	1.492	1.596	1.685
1,2-Dichlorobenzene	1.215	1.387	1.495	1.561	1.617
bis(2-chloroisopropyl)ether	1.928	2.166	1.949	2.096	2.191
N-Nitroso-di-n-propylamine	1.416	1.524	1.534	1.604	1.584
Hexachloroethane	0.980	0.894	0.888	0.925	0.970
Nitrobenzene	0.978	0.921	0.856	0.868	0.863
Isophorone	1.181	1.138	1.078	1.048	1.050
bis(2-Chloroethoxy)methane	0.489	0.518	0.491	0.516	0.548
1,2,4-Trichlorobenzene	0.320	0.388	0.380	0.401	0.424
Naphthalene	0.761	0.894	0.983	1.107	1.175
4-Chloroaniline	0.340	0.382	0.367	0.438	0.426
Hexachlorobutadiene	0.288	0.329	0.321	0.337	0.342
2-Methylnaphthalene	0.709	0.808	0.790	0.884	0.936
Hexachlorocyclopentadiene	0.143	0.220	0.348	0.330	0.358
2-Chloronaphthalene	0.993	0.930	1.035	1.086	1.155
2-Nitroaniline	0.612	0.587	0.598	0.603	0.586
Dimethylphthalate	1.600	1.566	1.740	1.694	1.852
Acenaphthylene	1.680	1.480	1.549	1.677	1.830
2,6-Dinitrotoluene	0.251	0.341	0.337	0.365	0.385
3-Nitroaniline	0.303	0.328	0.324	0.334	0.367
Acenaphthene	0.807	0.930	1.050	1.108	1.241

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

LAB FILE ID: RRF5: U32267 RRF20: U32269 RRF50: U32265
RRF80: U32268 RRF120: U32266

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.401	1.501	1.673	1.749	1.947
2,4-Dinitrotoluene	0.465	0.442	0.453	0.467	0.520
Diethylphthalate	1.716	1.937	1.975	1.885	2.024
4-Chlorophenyl-phenylether	0.758	0.742	0.828	0.840	0.942
Fluorene	1.212	1.170	1.372	1.383	1.521
4-Nitroaniline	0.304	0.298	0.309	0.315	0.333
N-Nitrosodiphenylamine	0.466	0.477	0.510	0.621	0.650
4-Bromophenyl-phenylether	0.283	0.288	0.284	0.317	0.307
Hexachlorobenzene	0.338	0.333	0.334	0.356	0.367
Phenanthrene	0.958	0.927	1.035	1.154	1.233
Anthracene	0.930	0.974	1.014	1.134	1.179
Carbazole	0.947	0.917	0.929	1.019	1.069
Di-n-butylphthalate	1.870	1.716	1.729	1.773	1.834
Fluoranthene	1.604	1.472	1.450	1.536	1.500
Pyrene	1.154	1.272	1.274	1.213	1.325
Benzidine	0.352	0.302	0.304	0.241	0.204
Butylbenzylphthalate	0.694	0.737	0.710	0.698	0.694
3,3'-Dichlorobenzidine	0.424	0.478	0.518	0.483	0.464
Benzo(a)anthracene	1.316	1.050	1.029	1.129	1.217
Chrysene	0.798	0.961	1.002	1.050	1.095
bis(2-Ethylhexyl)phthalate	0.877	0.968	1.018	1.051	1.102
Di-n-octylphthalate	1.699	1.877	1.827	1.888	1.890
Benzo(b)fluoranthene	1.219	1.486	1.548	1.766	1.870
Benzo(k)fluoranthene	1.573	1.334	1.216	1.001	1.008
Benzo(a)pyrene	1.274	1.263	1.252	1.262	1.278
Indeno(1,2,3-cd)pyrene	1.264	1.556	1.466	1.532	1.453
Dibenz(a,h)anthracene	1.088	1.224	1.239	1.269	1.295
Benzo(g,h,i)perylene	1.105	1.317	1.272	1.287	1.279
Pyridine	1.137	1.503	1.607	1.803	1.725
Aniline	2.044	2.168	1.909	1.966	1.856
Benzyl Alcohol	0.908	0.999	1.061	1.138	1.165
1,2-Diphenylhydrazine	1.322	1.272	1.170	1.417	1.452
Diphenyl	1.320	1.202	1.485	1.593	1.743
Diphenyl Ether	0.739	0.729	0.826	0.862	0.911
Acetophenone	2.370	2.415	2.466	2.676	2.717
1,4-Dioxane	0.355	0.509	0.502	0.577	0.587
N,N-Dimethylaniline	1.545	2.095	2.381	2.560	2.620
2,3,7,8-TCDD (Screen)			0.180		
Benzaldehyde	1.571	1.622	1.254	0.994	

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

LAB FILE ID: RRF5: U32267 RRF20: U32269 RRF50: U32265
RRF80: U32268 RRF120: U32266

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.123	0.134	0.138	0.163	0.163
Atrazine	0.299	0.228	0.216	0.202	0.193
n-decane	1.526	1.500	1.467	1.526	1.469
Coumarin	0.293	0.292	0.298	0.314	0.328
n-Octadecane	0.550	0.498	0.521	0.547	0.616
o-Tricresylphosphate	0.294	0.316	0.314	0.312	0.327
Carbamazepine	0.450	0.531	0.547	0.492	0.529
1-Methylnaphthalene	0.669	0.694	0.717	0.769	0.801
2-Fluorophenol (SUR)	1.121	1.288	1.499	1.573	1.691
Phenol-d5 (SUR)	1.597	1.861	2.073	2.102	2.196
2,4,6-Tribromophenol (SUR)	0.211	0.290	0.348	0.359	0.381
Nitrobenzene-d5 (SUR)	0.632	0.657	0.632	0.679	0.674
2-Fluorobiphenyl (SUR)	1.238	1.133	1.310	1.374	1.506
Terphenyl-d14 (SUR)	0.864	0.906	0.978	0.992	1.004

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

RRF10: U32270

COMPOUND	RRF10
Phenol	1.924
2-Chlorophenol	1.163
2-Methylphenol	1.269
4-Methylphenol	1.400
2-Nitrophenol	0.184
2,4-Dimethylphenol	0.307
2,4-Dichlorophenol	0.325
4-Chloro-3-methylphenol	0.509
2,4,6-Trichlorophenol	0.332
2,4,5-Trichlorophenol	0.397
2,4-Dinitrophenol	0.139
4-Nitrophenol	0.434
4,6-Dinitro-2-methylphenol	0.145
Pentachlorophenol	0.105
Benzoic Acid	0.044
N-Nitrosodimethylamine	0.996
bis(2-Chloroethyl)ether	1.538
1,3-Dichlorobenzene	1.475
1,4-Dichlorobenzene	1.294
1,2-Dichlorobenzene	1.374
bis(2-chloroisopropyl)ether	2.119
N-Nitroso-di-n-propylamine	1.585
Hexachloroethane	0.862
Nitrobenzene	0.912
Isophorone	1.158
bis(2-Chloroethoxy)methane	0.511
1,2,4-Trichlorobenzene	0.394
Naphthalene	0.933
4-Chloroaniline	0.355
Hexachlorobutadiene	0.316
2-Methylnaphthalene	0.764
Hexachlorocyclopentadiene	0.154
2-Chloronaphthalene	0.962
2-Nitroaniline	0.607
Dimethylphthalate	1.590
Acenaphthylene	1.501
2,6-Dinitrotoluene	0.320
3-Nitroaniline	0.317
Acenaphthene	0.807

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

RRF10: U32270

COMPOUND	RRF10
Dibenzofuran	1.456
2,4-Dinitrotoluene	0.436
Diethylphthalate	1.849
4-Chlorophenyl-phenylether	0.778
Fluorene	1.214
4-Nitroaniline	0.297
N-Nitrosodiphenylamine	0.514
4-Bromophenyl-phenylether	0.325
Hexachlorobenzene	0.355
Phenanthrene	0.938
Anthracene	0.969
Carbazole	0.928
Di-n-butylphthalate	1.764
Fluoranthene	1.493
Pyrene	1.288
Benzidine	0.413
Butylbenzylphthalate	0.701
3,3'-Dichlorobenzidine	0.481
Benzo(a)anthracene	1.086
Chrysene	0.922
bis(2-Ethylhexyl)phthalate	0.921
Di-n-octylphthalate	1.775
Benzo(b)fluoranthene	1.312
Benzo(k)fluoranthene	1.323
Benzo(a)pyrene	1.163
Indeno(1,2,3-cd)pyrene	1.409
Dibenz(a,h)anthracene	1.100
Benzo(g,h,i)perylene	1.180
Pyridine	1.312
Aniline	2.168
Benzyl Alcohol	0.928
1,2-Diphenylhydrazine	1.312
Diphenyl	1.256
Diphenyl Ether	0.759
Acetophenone	2.461
1,4-Dioxane	0.451
N,N-Dimethylaniline	1.882
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.784

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4 Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

RRF10: U32270

COMPOUND	RRF10
Caprolactam	0.128
Atrazine	0.266
n-decane	1.634
Coumarin	0.321
n-Octadecane	0.536
o-Tricresylphosphate	0.332
Carbamazepine	0.546
1-Methylnaphthalene	0.693
2-Fluorophenol (SUR)	1.215
Phenol-d5 (SUR)	1.896
2,4,6-Tribromophenol (SUR)	0.278
Nitrobenzene-d5 (SUR)	0.681
2-Fluorobiphenyl (SUR)	1.281
Terphenyl-d14 (SUR)	0.937

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		1.97208916		7.4*
2-Chlorophenol	AVRG		1.20919466		8.6*
2-Methylphenol	AVRG		1.34379833		11.9*
4-Methylphenol	2ORDR	0.00000000	0.65116800	-0.0250533	0.998*
2-Nitrophenol	LINR	0.00000000	4.10118993		0.998*
2,4-Dimethylphenol	AVRG		0.33265218		5.7*
2,4-Dichlorophenol	AVRG		0.34001362		6.9*
4-Chloro-3-methylphenol	AVRG		0.48386429		5.6*
2,4,6-Trichlorophenol	LINR	0.00000000	2.24574845		0.997*
2,4,5-Trichlorophenol	LINR	0.00000000	2.09353558		0.994*
2,4-Dinitrophenol	2ORDR	0.00000000	5.65748393	-1.9631729	0.994**
4-Nitrophenol	AVRG		0.45694529		7.0**
4,6-Dinitro-2-methylphenol	2ORDR	0.00000000	6.45515559	-2.8981312	0.997*
Pentachlorophenol	2ORDR	0.00000000	7.39380772	-3.9089089	0.994*
Benzoic Acid	LINR	0.00000000	7.02451204		0.991*
N-Nitrosodimethylamine	AVRG		0.97094205		14.1*
bis(2-Chloroethyl)ether	AVRG		1.50609674		8.1*
1,3-Dichlorobenzene	AVRG		1.51479593		11.0*
1,4-Dichlorobenzene	AVRG		1.45505432		11.8*
1,2-Dichlorobenzene	AVRG		1.44151968		10.1*
bis(2-chloroisopropyl)ether	AVRG		2.07463863		5.4*
N-Nitroso-di-n-propylamine	AVRG		1.54123179		4.5**
Hexachloroethane	AVRG		0.92001953		5.2*
Nitrobenzene	AVRG		0.89949729		5.2*
Isophorone	AVRG		1.10896870		5.2*
bis(2-Chloroethoxy)methane	AVRG		0.51221060		4.2*
1,2,4-Trichlorobenzene	AVRG		0.38444600		9.1*
Naphthalene	LINR	0.00000000	0.88137500		0.991*
4-Chloroaniline	AVRG		0.38478152		10.2*
Hexachlorobutadiene	AVRG		0.32232623		6.0*
2-Methylnaphthalene	AVRG		0.81524998		10.1*
Hexachlorocyclopentadiene	2ORDR	0.00000000	3.32410286	-0.5014570	0.996**
2-Chloronaphthalene	AVRG		1.02686003		8.1*
2-Nitroaniline	AVRG		0.59892337		1.7*
Dimethylphthalate	AVRG		1.67376896		6.6*
Acenaphthylene	AVRG		1.61932900		8.3*
2,6-Dinitrotoluene	AVRG		0.33329666		13.9*
3-Nitroaniline	AVRG		0.32905565		6.6*
Acenaphthene	AVRG		0.99042421		17.5*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dibenzofuran	AVRG		1.62138567		12.8*
2,4-Dinitrotoluene	AVRG		0.46384181		6.4*
Diethylphthalate	AVRG		1.89751978		5.7*
4-Chlorophenyl-phenylether	AVRG		0.81468391		9.0*
Fluorene	AVRG		1.31208803		10.3*
4-Nitroaniline	AVRG		0.30918386		4.4*
N-Nitrosodiphenylamine	AVRG		0.53966868		14.3*
4-Bromophenyl-phenylether	AVRG		0.30055878		6.0*
Hexachlorobenzene	AVRG		0.34735899		4.1*
Phenanthrene	AVRG		1.04080814		12.2*
Anthracene	AVRG		1.03343197		9.7*
Carbazole	AVRG		0.96843465		6.4*
Di-n-butylphthalate	AVRG		1.78107030		3.4*
Fluoranthene	AVRG		1.50913613		3.6*
Pyrene	AVRG		1.25422864		4.8*
Benzidine	2ORDR	0.00000000	1.53618705	5.40873543	0.993*
Butylbenzylphthalate	AVRG		0.70593322		2.3*
3,3'-Dichlorobenzidine	AVRG		0.47451385		6.4*
Benzo(a)anthracene	AVRG		1.13770308		9.6*
Chrysene	AVRG		0.97129062		10.8*
bis(2-Ethylhexyl)phthalate	AVRG		0.98950453		8.5*
Di-n-octylphthalate	AVRG		1.82622402		4.2*
Benzo(b)fluoranthene	LINR	0.00000000	0.55365273		0.991*
Benzo(k)fluoranthene	2ORDR	0.00000000	0.76559584	0.07923909	0.995*
Benzo(a)pyrene	AVRG		1.24868370		3.4*
Indeno(1,2,3-cd)pyrene	AVRG		1.44669176		7.2*
Dibenz(a,h)anthracene	AVRG		1.20272055		7.3*
Benzo(g,h,i)perylene	AVRG		1.24000848		6.5*
Pyridine	LINR	0.00000000	0.57795549		0.996*
Aniline	AVRG		2.01854147		6.5*
Benzyl Alcohol	AVRG		1.03329685		10.3*
1,2-Diphenylhydrazine	AVRG		1.32413638		7.6*
Diphenyl	AVRG		1.43320863		14.7*
Diphenyl Ether	AVRG		0.80457532		9.2*
Acetophenone	AVRG		2.51766332		5.7**
1,4-Dioxane	LINR	0.00000000	1.73917945		0.994**
N,N-Dimethylaniline	LINR	0.00000000	0.38893458		0.996**
2,3,7,8-TCDD (Screen)	AVRG		0.18014623		0.0**
Benzaldehyde	LINR	0.00000000	0.88691034		0.941*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 09/28/06 09/28/06

Calibration Time(s): 1441 1748

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.14150334		12.3*
Atrazine	LINR	0.00000000	5.01007657		0.994*
n-decane	AVRG		1.52014843		4.0*
Coumarin	AVRG		0.30759718		5.0*
n-Octadecane	AVRG		0.54475684		7.3*
o-Tricresylphosphate	AVRG		0.31569226		4.3*
Carbamazepine	AVRG		0.51592265		7.4*
1-Methylnaphthalene	AVRG		0.72390482		7.0*
2-Fluorophenol (SUR)	LINR	0.00000000	0.61174371		0.993*
Phenol-d5 (SUR)	AVRG		1.95435461		11.1*
2,4,6-Tribromophenol (SUR)	LINR	0.00000000	2.70083428		0.994*
Nitrobenzene-d5 (SUR)	AVRG		0.65920038		3.4*
2-Fluorobiphenyl (SUR)	AVRG		1.30704727		9.7*
Terphenyl-d14 (SUR)	AVRG		0.94688368		5.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/09/06 Time: 1052

Lab File ID: U32452 Init. Calib. Date(s): 09/28/06 09/28/06

Init. Calib. Times: 1441 1748

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.9720000	1.8270936	1.8270936		7.35	20.00	AVRG
2-Chlorophenol	1.2090000	1.1177657	1.1177657		7.55	20.00	AVRG
2-Methylphenol	1.3440000	1.3622987	1.3622987		-1.36	20.00	AVRG
4-Methylphenol	50.725145	50.000000	1.6079081		-1.45		2RDR
2-Nitrophenol	46.079771	50.000000	0.2247142		7.84		LINR
2,4-Dimethylphenol	0.3320000	0.3199392	0.3199392		3.63	20.00	AVRG
2,4-Dichlorophenol	0.3400000	0.3305517	0.3305517		2.78	20.00	AVRG
4-Chloro-3-methylphenol	0.4840000	0.5073063	0.5073063		-4.82	20.00	AVRG
2,4,6-Trichlorophenol	50.853981	50.000000	0.4528912		-1.71		LINR
2,4,5-Trichlorophenol	50.727830	50.000000	0.4846140		-1.46		LINR
2,4-Dinitrophenol	55.955108	50.000000	0.2185218	0.05	-11.91		2RDR
4-Nitrophenol	0.4570000	0.5057918	0.5057918	0.05	-10.68	20.00	AVRG
4,6-Dinitro-2-methylphenol	51.571567	50.000000	0.1774570		-3.14		2RDR
Pentachlorophenol	59.368611	50.000000	0.1826321		-18.74		2RDR
Benzoic Acid	36.531107	50.000000	0.1040104		26.94		LINR
N-Nitrosodimethylamine	0.9710000	0.9274284	0.9274284		4.49	20.00	AVRG
bis(2-Chloroethyl)ether	1.5060000	1.3734955	1.3734955		8.80	20.00	AVRG
1,3-Dichlorobenzene	1.5150000	1.4846245	1.4846245		2.00	20.00	AVRG
1,4-Dichlorobenzene	1.4550000	1.3437362	1.3437362		7.65	20.00	AVRG
1,2-Dichlorobenzene	1.4420000	1.3656128	1.3656128		5.30	20.00	AVRG
bis(2-chloroisopropyl)ether	2.0750000	1.8443719	1.8443719		11.11	20.00	AVRG
N-Nitroso-di-n-propylamine	1.5410000	1.3597389	1.3597389	0.05	11.76	20.00	AVRG
Hexachloroethane	0.9200000	0.8393584	0.8393584		8.76	20.00	AVRG
Nitrobenzene	0.9000000	0.8330125	0.8330125		7.44	20.00	AVRG
Isophorone	1.1090000	1.0913330	1.0913330		1.59	20.00	AVRG
bis(2-Chloroethoxy)methane	0.5120000	0.5118127	0.5118127		0.04	20.00	AVRG
1,2,4-Trichlorobenzene	0.3840000	0.3794305	0.3794305		1.19	20.00	AVRG
Naphthalene	44.849280	50.000000	1.0177116		10.30		LINR
4-Chloroaniline	0.3850000	0.4160916	0.4160916		-8.08	20.00	AVRG
Hexachlorobutadiene	0.3220000	0.3191087	0.3191087		0.90	20.00	AVRG
2-Methylnaphthalene	0.8150000	0.8128981	0.8128981		0.26	20.00	AVRG
Hexachlorocyclopentadiene	46.296218	50.000000	0.2949537	0.05	7.41		2RDR
2-Chloronaphthalene	1.0270000	1.0895374	1.0895374		-6.09	20.00	AVRG
2-Nitroaniline	0.5990000	0.6111954	0.6111954		-2.04	20.00	AVRG
Dimethylphthalate	1.6740000	1.7093978	1.7093978		-2.11	20.00	AVRG
Acenaphthylene	1.6200000	1.6955541	1.6955541		-4.66	20.00	AVRG
2,6-Dinitrotoluene	0.3330000	0.3733706	0.3733706		-12.12	20.00	AVRG
3-Nitroaniline	0.3290000	0.3596595	0.3596595		-9.32	20.00	AVRG
Acenaphthene	0.9900000	1.0772071	1.0772071		-8.81	20.00	AVRG
Dibenzofuran	1.6210000	1.7145110	1.7145110		-5.77	20.00	AVRG
2,4-Dinitrotoluene	0.4640000	0.4892400	0.4892400		-5.44	20.00	AVRG
Diethylphthalate	1.8980000	2.0300692	2.0300692		-6.96	20.00	AVRG

FORM VII SV-1

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/09/06 Time: 1052

Lab File ID: U32452 Init. Calib. Date(s): 09/28/06 09/28/06

Init. Calib. Times: 1441 1748

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.8150000	0.9159210	0.9159210		-12.38	20.00	AVRG	
Fluorene	1.3120000	1.3368518	1.3368518		-1.89	20.00	AVRG	
4-Nitroaniline	0.3090000	0.3295310	0.3295310		-6.64	20.00	AVRG	
N-Nitrosodiphenylamine	0.5400000	0.5458974	0.5458974		-1.09	20.00	AVRG	
4-Bromophenyl-phenylether	0.3010000	0.2908313	0.2908313		3.38	20.00	AVRG	
Hexachlorobenzene	0.3470000	0.3392366	0.3392366		2.24	20.00	AVRG	
Phenanthrene	1.0410000	1.0515428	1.0515428		-1.01	20.00	AVRG	
Anthracene	1.0330000	0.9978691	0.9978691		3.40	20.00	AVRG	
Carbazole	0.9680000	0.9828062	0.9828062		-1.53	20.00	AVRG	
Di-n-butylphthalate	1.7810000	1.7238036	1.7238036		3.21	20.00	AVRG	
Fluoranthene	1.5090000	1.5593367	1.5593367		-3.34	20.00	AVRG	
Pyrene	1.2540000	1.1960994	1.1960994		4.62	20.00	AVRG	
Benzidine	25.338607	50.000000	0.1828088		49.32		2RDR	
Butylbenzylphthalate	0.7060000	0.6919316	0.6919316		1.99	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4750000	0.4410380	0.4410380		7.15	20.00	AVRG	
Benzo(a)anthracene	1.1380000	1.0412161	1.0412161		8.50	20.00	AVRG	
Chrysene	0.9710000	0.9655162	0.9655162		0.56	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.9900000	0.9351515	0.9351515		5.54	20.00	AVRG	
Di-n-octylphthalate	1.8260000	1.7985604	1.7985604		1.50	20.00	AVRG	
Benzo(b)fluoranthene	37.874556	50.000000	1.3681701		24.25		LINR	
Benzo(k)fluoranthene	62.031120	50.000000	1.3756395		-24.06		2RDR	
Benzo(a)pyrene	1.2490000	1.2459093	1.2459093		0.25	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.4470000	1.5148585	1.5148585		-4.69	20.00	AVRG	
Dibenz(a,h)anthracene	1.2020000	1.2308258	1.2308258		-2.40	20.00	AVRG	
Benzo(g,h,i)perylene	1.2400000	1.3291778	1.3291778		-7.19	20.00	AVRG	
Pyridine	46.105764	50.000000	1.5954780		7.79		LINR	
Aniline	2.0180000	1.8112434	1.8112434		10.24	20.00	AVRG	
Benzyl Alcohol	1.0330000	0.9979658	0.9979658		3.39	20.00	AVRG	
1,2-Diphenylhydrazine	1.3240000	1.2279229	1.2279229		7.26	20.00	AVRG	
Diphenyl	1.4330000	1.5569058	1.5569058		-8.65	20.00	AVRG	
Diphenyl Ether	0.8040000	0.8319122	0.8319122		-3.47	20.00	AVRG	
Acetophenone	2.5180000	2.2850144	2.2850144	0.01	9.25	20.00	AVRG	
1,4-Dioxane	45.909222	50.000000	0.5279412	0.01	8.18		LINR	
N,N-Dimethylaniline	39.343693	50.000000	2.0231522	0.01	21.31		LINR	
2,3,7,8-TCDD (Screen)	0.1800000	0.1427218	0.1427218	0.01	20.71	20.00	AVRG	<-
Benzaldehyde	45.848822	50.000000	1.0338998		8.30		LINR	
Caprolactam	0.1420000	0.1473236	0.1473236		-3.75	20.00	AVRG	
Atrazine	49.112677	50.000000	0.1960556		1.77		LINR	
n-decane	1.5200000	1.4847771	1.4847771		2.32	20.00	AVRG	
Coumarin	0.3080000	0.2966074	0.2966074		3.70	20.00	AVRG	
n-Octadecane	0.5450000	0.5406255	0.5406255		0.80	20.00	AVRG	
o-Tricresylphosphate	0.3160000	0.2923892	0.2923892		7.47	20.00	AVRG	

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/09/06 Time: 1052

Lab File ID: U32452 Init. Calib. Date(s): 09/28/06 09/28/06

Init. Calib. Times: 1441 1748

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.5160000	0.5610525	0.5610525		-8.73	20.00	AVRG
1-Methylnaphthalene	0.7240000	0.7376543	0.7376543		-1.88	20.00	AVRG
2-Fluorophenol (SUR)	44.656824	50.000000	1.4599847		10.69		LINR
Phenol-d5 (SUR)	1.9540000	2.0112350	2.0112350		-2.93	20.00	AVRG
2,4,6-Tribromophenol (SUR)	47.962934	50.000000	0.3551712		4.07		LINR
Nitrobenzene-d5 (SUR)	0.6590000	0.6247437	0.6247437		5.20	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.3070000	1.3337787	1.3337787		-2.05	20.00	AVRG
Terphenyl-d14 (SUR)	0.9470000	0.9158936	0.9158936		3.28	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 6.756239891
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

LAB FILE ID: RRF5: U32480 RRF20: U32482 RRF50: U32478
RRF80: U32481 RRF120: U32479

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	1.738	1.990	2.190	2.081	2.286
2-Chlorophenol	1.216	1.153	1.255	1.327	1.446
2-Methylphenol	1.161	1.387	1.472	1.486	1.637
4-Methylphenol	1.337	1.448	1.723	1.824	
2-Nitrophenol	0.188	0.211	0.214	0.237	0.231
2,4-Dimethylphenol	0.288	0.318	0.317	0.340	0.364
2,4-Dichlorophenol	0.312	0.323	0.334	0.355	0.350
4-Chloro-3-methylphenol	0.441	0.524	0.486	0.494	0.418
2,4,6-Trichlorophenol	0.370	0.387	0.386	0.438	0.426
2,4,5-Trichlorophenol	0.406	0.410	0.396	0.456	0.440
2,4-Dinitrophenol	0.100	0.162	0.181	0.217	0.219
4-Nitrophenol	0.379	0.439	0.441	0.475	0.455
4,6-Dinitro-2-methylphenol	0.130	0.147	0.172	0.193	0.209
Pentachlorophenol	0.098	0.128	0.160	0.183	0.195
Benzoic Acid	0.017	0.090	0.169	0.132	0.112
N-Nitrosodimethylamine	0.779	1.049	1.095	1.039	1.059
bis(2-Chloroethyl)ether	1.936	1.644	1.619	1.498	1.580
1,3-Dichlorobenzene	1.434	1.461	1.574	1.616	1.698
1,4-Dichlorobenzene	1.196	1.364	1.541	1.546	1.667
1,2-Dichlorobenzene	1.195	1.464	1.529	1.490	1.620
bis(2-chloroisopropyl)ether	1.922	2.059	2.082	1.998	2.192
N-Nitroso-di-n-propylamine	1.455	1.422	1.650	1.433	1.543
Hexachloroethane	0.780	0.834	0.922	0.853	0.892
Nitrobenzene	0.985	0.867	0.850	0.793	0.791
Isophorone	1.169	1.094	1.096	1.024	1.005
bis(2-Chloroethoxy)methane	0.497	0.506	0.499	0.555	0.508
1,2,4-Trichlorobenzene	0.343	0.375	0.390	0.383	0.385
Naphthalene	0.879	0.906	0.990	1.036	1.059
4-Chloroaniline	0.345	0.399	0.395	0.421	0.435
Hexachlorobutadiene	0.265	0.309	0.310	0.299	0.300
2-Methylnaphthalene	0.681	0.776	0.848	0.835	0.838
Hexachlorocyclopentadiene	0.098	0.156	0.252	0.261	0.291
2-Chloronaphthalene	1.008	0.951	0.933	1.069	1.091
2-Nitroaniline	0.560	0.555	0.532	0.565	0.542
Dimethylphthalate	1.586	1.578	1.461	1.688	1.672
Acenaphthylene	1.654	1.495	1.524	1.718	1.830
2,6-Dinitrotoluene	0.262	0.335	0.314	0.363	0.380
3-Nitroaniline	0.299	0.311	0.315	0.357	0.382
Acenaphthene	0.893	0.913	0.980	1.064	1.148

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4 Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

LAB FILE ID: RRF5: U32480 RRF20: U32482 RRF50: U32478
RRF80: U32481 RRF120: U32479

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.434	1.456	1.578	1.730	1.708
2,4-Dinitrotoluene	0.401	0.450	0.439	0.502	0.496
Diethylphthalate	1.759	1.758	1.850	1.987	1.921
4-Chlorophenyl-phenylether	0.733	0.757	0.781	0.826	0.841
Fluorene	1.219	1.168	1.266	1.381	1.406
4-Nitroaniline	0.309	0.320	0.296	0.330	0.344
N-Nitrosodiphenylamine	0.500	0.518	0.527	0.634	0.609
4-Bromophenyl-phenylether	0.252	0.270	0.297	0.300	0.308
Hexachlorobenzene	0.312	0.337	0.322	0.374	0.376
Phenanthrene	0.892	0.943	1.014	1.156	1.246
Anthracene	0.901	0.910	0.993	1.142	1.157
Carbazole	0.928	0.929	0.936	1.060	1.102
Di-n-butylphthalate	1.785	1.723	1.672	1.843	1.826
Fluoranthene	1.545	1.518	1.406	1.603	1.610
Pyrene	1.234	1.290	1.290	1.299	1.262
Benzidine	0.341	0.432	0.246	0.286	0.193
Butylbenzylphthalate	0.716	0.762	0.727	0.753	0.719
3,3'-Dichlorobenzidine	0.447	0.497	0.401	0.510	0.442
Benzo(a)anthracene	1.111	1.137	1.086	1.212	1.247
Chrysene	0.859	0.980	1.000	1.035	1.090
bis(2-Ethylhexyl)phthalate	0.866	0.935	0.964	1.016	1.015
Di-n-octylphthalate	1.841	1.841	1.751	1.918	1.968
Benzo(b)fluoranthene	1.423	1.433	1.544	1.670	1.941
Benzo(k)fluoranthene	1.691	1.357	1.260	1.192	0.954
Benzo(a)pyrene	1.340	1.314	1.248	1.285	1.346
Indeno(1,2,3-cd)pyrene	1.321	1.405	1.488	1.467	1.463
Dibenz(a,h)anthracene	0.982	1.135	1.247	1.232	1.298
Benzo(g,h,i)perylene	1.200	1.333	1.295	1.278	1.222
Pyridine	1.266	1.496	1.795	1.869	1.912
Aniline	2.142	2.227	2.232	2.009	2.153
Benzyl Alcohol	0.875	1.032	1.096	1.111	1.216
1,2-Diphenylhydrazine	1.200	1.163	1.188	1.251	1.446
Diphenyl	1.196	1.298	1.402	1.554	1.527
Diphenyl Ether	0.774	0.705	0.752	0.811	0.825
Acetophenone	2.016	2.327	2.635	2.516	2.677
1,4-Dioxane	0.463	0.509	0.583	0.682	0.673
N,N-Dimethylaniline	1.781	1.998	2.271	2.320	2.513
2,3,7,8-TCDD (Screen)			0.147		
Benzaldehyde	0.860	1.589	0.752	0.813	

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4 Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

LAB FILE ID: RRF5: U32480 RRF20: U32482 RRF50: U32478
RRF80: U32481 RRF120: U32479

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.133	0.142	0.147	0.145	0.158
Atrazine	0.255	0.266	0.231	0.266	0.256
n-decane	1.636	1.472	1.581	1.420	1.601
Coumarin	0.283	0.301	0.297	0.305	0.317
n-Octadecane	0.544	0.506	0.536	0.568	0.591
o-Tricresylphosphate	0.302	0.318	0.314	0.323	0.322
Carbamazepine	0.482	0.587	0.595	0.577	0.576
1-Methylnaphthalene	0.698	0.675	0.724	0.758	0.766
2-Fluorophenol (SUR)	1.013	0.960	1.522	1.672	1.839
Phenol-d5 (SUR)	1.655	1.387	2.320	2.148	2.404
2,4,6-Tribromophenol (SUR)	0.248	0.205	0.305	0.357	0.350
Nitrobenzene-d5 (SUR)	0.636	0.651	0.642	0.644	0.644
2-Fluorobiphenyl (SUR)	1.207	1.190	1.215	1.359	1.386
Terphenyl-d14 (SUR)	0.830	0.892	0.937	0.959	0.947

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

RRF10: U32483

COMPOUND	RRF10
Phenol	1.842
2-Chlorophenol	1.184
2-Methylphenol	1.301
4-Methylphenol	1.371
2-Nitrophenol	0.203
2,4-Dimethylphenol	0.327
2,4-Dichlorophenol	0.311
4-Chloro-3-methylphenol	0.454
2,4,6-Trichlorophenol	0.394
2,4,5-Trichlorophenol	0.412
2,4-Dinitrophenol	0.126
4-Nitrophenol	0.444
4,6-Dinitro-2-methylphenol	0.143
Pentachlorophenol	0.114
Benzoic Acid	0.046
N-Nitrosodimethylamine	0.936
bis(2-Chloroethyl)ether	1.550
1,3-Dichlorobenzene	1.486
1,4-Dichlorobenzene	1.362
1,2-Dichlorobenzene	1.354
bis(2-chloroisopropyl)ether	2.092
N-Nitroso-di-n-propylamine	1.498
Hexachloroethane	0.846
Nitrobenzene	0.835
Isophorone	1.005
bis(2-Chloroethoxy)methane	0.486
1,2,4-Trichlorobenzene	0.375
Naphthalene	0.840
4-Chloroaniline	0.353
Hexachlorobutadiene	0.289
2-Methylnaphthalene	0.722
Hexachlorocyclopentadiene	0.116
2-Chloronaphthalene	0.974
2-Nitroaniline	0.592
Dimethylphthalate	1.622
Acenaphthylene	1.533
2,6-Dinitrotoluene	0.321
3-Nitroaniline	0.312
Acenaphthene	0.846

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4 Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

RRF10: U32483

COMPOUND	RRF10
Dibenzofuran	1.543
2,4-Dinitrotoluene	0.456
Diethylphthalate	1.768
4-Chlorophenyl-phenylether	0.798
Fluorene	1.149
4-Nitroaniline	0.304
N-Nitrosodiphenylamine	0.506
4-Bromophenyl-phenylether	0.267
Hexachlorobenzene	0.341
Phenanthrene	0.916
Anthracene	0.953
Carbazole	0.927
Di-n-butylphthalate	1.807
Fluoranthene	1.526
Pyrene	1.246
Benzidine	0.544
Butylbenzylphthalate	0.737
3,3'-Dichlorobenzidine	0.508
Benzo(a)anthracene	1.095
Chrysene	0.919
bis(2-Ethylhexyl)phthalate	0.942
Di-n-octylphthalate	1.906
Benzo(b)fluoranthene	1.338
Benzo(k)fluoranthene	1.352
Benzo(a)pyrene	1.274
Indeno(1,2,3-cd)pyrene	1.413
Dibenz(a,h)anthracene	1.153
Benzo(g,h,i)perylene	1.207
Pyridine	1.299
Aniline	1.926
Benzyl Alcohol	0.915
1,2-Diphenylhydrazine	1.296
Diphenyl	1.276
Diphenyl Ether	0.734
Acetophenone	2.174
1,4-Dioxane	0.578
N,N-Dimethylaniline	1.830
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.579

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

RRF10: U32483

COMPOUND	RRF10
Caprolactam	0.132
Atrazine	0.249
n-decane	1.601
Coumarin	0.272
n-Octadecane	0.534
o-Tricresylphosphate	0.314
Carbamazepine	0.553
1-Methylnaphthalene	0.670
2-Fluorophenol (SUR)	1.309
Phenol-d5 (SUR)	1.815
2,4,6-Tribromophenol (SUR)	0.285
Nitrobenzene-d5 (SUR)	0.626
2-Fluorobiphenyl (SUR)	1.160
Terphenyl-d14 (SUR)	0.837

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		2.02126326		10.3*
2-Chlorophenol	AVRG		1.26350400		8.5*
2-Methylphenol	AVRG		1.40739888		11.7*
4-Methylphenol	AVRG		1.54068757		14.2*
2-Nitrophenol	AVRG		0.21394138		8.6*
2,4-Dimethylphenol	AVRG		0.32583124		7.8*
2,4-Dichlorophenol	AVRG		0.33106732		5.6*
4-Chloro-3-methylphenol	AVRG		0.46969135		8.3*
2,4,6-Trichlorophenol	AVRG		0.39988527		6.6*
2,4,5-Trichlorophenol	AVRG		0.42001748		5.5*
2,4-Dinitrophenol	2ORDR	0.00000000	5.92810399	-2.2120772	0.992**
4-Nitrophenol	AVRG		0.43896763		7.3**
4,6-Dinitro-2-methylphenol	2ORDR	0.00000000	6.44098188	-2.7046390	0.998*
Pentachlorophenol	2ORDR	0.00000000	7.00830730	-3.3349152	0.995*
Benzoic Acid	2ORDR	0.00000000	3.62964762	14.9912469	0.984*
N-Nitrosodimethylamine	AVRG		0.99304235		11.8*
bis(2-Chloroethyl)ether	AVRG		1.63802036		9.4*
1,3-Dichlorobenzene	AVRG		1.54503670		6.6*
1,4-Dichlorobenzene	AVRG		1.44605848		11.7*
1,2-Dichlorobenzene	AVRG		1.44211658		10.3*
bis(2-chloroisopropyl)ether	AVRG		2.05756090		4.4*
N-Nitroso-di-n-propylamine	AVRG		1.50010541		5.7**
Hexachloroethane	AVRG		0.85471369		5.7*
Nitrobenzene	AVRG		0.85362261		8.3*
Isophorone	AVRG		1.06555765		6.2*
bis(2-Chloroethoxy)methane	AVRG		0.50859278		4.7*
1,2,4-Trichlorobenzene	AVRG		0.37533078		4.4*
Naphthalene	AVRG		0.95189226		9.4*
4-Chloroaniline	AVRG		0.39133655		9.2*
Hexachlorobutadiene	AVRG		0.29525353		5.6*
2-Methylnaphthalene	AVRG		0.78335137		8.8*
Hexachlorocyclopentadiene	2ORDR	0.00000000	4.54136409	-1.2855230	0.997**
2-Chloronaphthalene	AVRG		1.00429928		6.4*
2-Nitroaniline	AVRG		0.55784374		3.7*
Dimethylphthalate	AVRG		1.60123839		5.1*
Acenaphthylene	AVRG		1.62546273		8.1*
2,6-Dinitrotoluene	AVRG		0.32922180		12.6*
3-Nitroaniline	AVRG		0.32943268		9.9*
Acenaphthene	AVRG		0.97425284		11.7*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dibenzofuran	AVRG		1.57474927		7.8*
2,4-Dinitrotoluene	AVRG		0.45746366		8.2*
Diethylphthalate	AVRG		1.84051899		5.3*
4-Chlorophenyl-phenylether	AVRG		0.78930093		5.2*
Fluorene	AVRG		1.26494744		8.5*
4-Nitroaniline	AVRG		0.31705217		5.6*
N-Nitrosodiphenylamine	AVRG		0.54909721		10.4*
4-Bromophenyl-phenylether	AVRG		0.28232623		7.9*
Hexachlorobenzene	AVRG		0.34366611		7.6*
Phenanthrene	AVRG		1.02812451		13.9*
Anthracene	AVRG		1.00951639		11.3*
Carbazole	AVRG		0.98038124		8.1*
Di-n-butylphthalate	AVRG		1.77609669		3.7*
Fluoranthene	AVRG		1.53466434		4.8*
Pyrene	AVRG		1.27022835		2.1*
Benzidine	2ORDR	0.00000000	1.09181190	5.67020848	0.874*
Butylbenzylphthalate	AVRG		0.73572846		2.5*
3,3'-Dichlorobenzidine	AVRG		0.46761121		9.5*
Benzo(a)anthracene	AVRG		1.14806550		5.8*
Chrysene	AVRG		0.98048728		8.4*
bis(2-Ethylhexyl)phthalate	AVRG		0.95645374		5.9*
Di-n-octylphthalate	AVRG		1.87087759		4.1*
Benzo(b)fluoranthene	AVRG		1.55832017		14.1*
Benzo(k)fluoranthene	2ORDR	0.00000000	0.49881666	0.17697235	0.991*
Benzo(a)pyrene	AVRG		1.30157156		3.0*
Indeno(1,2,3-cd)pyrene	AVRG		1.42605887		4.3*
Dibenz(a,h)anthracene	AVRG		1.17472315		9.5*
Benzo(g,h,i)perylene	AVRG		1.25582398		4.3*
Pyridine	LINR	0.00000000	0.53159088		0.996*
Aniline	AVRG		2.11475644		5.8*
Benzyl Alcohol	AVRG		1.04073188		12.3*
1,2-Diphenylhydrazine	AVRG		1.25730399		8.3*
Diphenyl	AVRG		1.37569194		10.4*
Diphenyl Ether	AVRG		0.76684590		6.0*
Acetophenone	AVRG		2.39088511		11.0**
1,4-Dioxane	AVRG		0.58156018		15.0**
N,N-Dimethylaniline	AVRG		2.11881155		13.9**
2,3,7,8-TCDD (Screen)	AVRG		0.14727547		0.0**
Benzaldehyde	LINR	0.00000000	1.14106773		0.896*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS4

Calibration Date(s): 10/11/06 10/11/06

Calibration Time(s): 1241 1547

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.14267211		6.7*
Atrazine	AVRG		0.25393383		5.1*
n-decane	AVRG		1.55169331		5.5*
Coumarin	AVRG		0.29583111		5.4*
n-Octadecane	AVRG		0.54651068		5.4*
o-Tricresylphosphate	AVRG		0.31558040		2.4*
Carbamazepine	AVRG		0.56163264		7.4*
1-Methylnaphthalene	AVRG		0.71510257		5.7*
2-Fluorophenol (SUR)	2ORDR	0.00000000	0.72572488	-0.0336088	0.997*
Phenol-d5 (SUR)	2ORDR	0.00000000	0.50797093	-0.0127316	0.995*
2,4,6-Tribromophenol (SUR)	2ORDR	0.00000000	3.33694246	-0.5023536	0.994*
Nitrobenzene-d5 (SUR)	AVRG		0.64075480		1.3*
2-Fluorobiphenyl (SUR)	AVRG		1.25274383		7.6*
Terphenyl-d14 (SUR)	AVRG		0.90043791		6.3*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/11/06 Time: 1837

Lab File ID: U32487 Init. Calib. Date(s): 10/11/06 10/11/06

Init. Calib. Times: 1241 1547

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	2.0210000	2.0276837	2.0276837		-0.33	20.00	AVRG
2-Chlorophenol	1.2640000	1.2054228	1.2054228		4.63	20.00	AVRG
2-Methylphenol	1.4070000	1.3069500	1.3069500		7.11	20.00	AVRG
4-Methylphenol	1.5410000	1.5717906	1.5717906		-2.00	20.00	AVRG
2-Nitrophenol	0.2140000	0.2190863	0.2190863		-2.38	20.00	AVRG
2,4-Dimethylphenol	0.3260000	0.3303176	0.3303176		-1.32	20.00	AVRG
2,4-Dichlorophenol	0.3310000	0.3405963	0.3405963		-2.90	20.00	AVRG
4-Chloro-3-methylphenol	0.4700000	0.5073024	0.5073024		-7.94	20.00	AVRG
2,4,6-Trichlorophenol	0.4000000	0.4197461	0.4197461		-4.94	20.00	AVRG
2,4,5-Trichlorophenol	0.4200000	0.4441648	0.4441648		-5.75	20.00	AVRG
2,4-Dinitrophenol	50.167586	50.000000	0.1852626	0.05	-0.34		2RDR
4-Nitrophenol	0.4390000	0.4734676	0.4734676	0.05	-7.85	20.00	AVRG
4,6-Dinitro-2-methylphenol	49.578228	50.000000	0.1689241		0.84		2RDR
Pentachlorophenol	47.132478	50.000000	0.1474339		5.74		2RDR
Benzoic Acid	40.147699	50.000000	0.1316886		19.70		2RDR
N-Nitrosodimethylamine	0.9930000	1.0416943	1.0416943		-4.90	20.00	AVRG
bis(2-Chloroethyl)ether	1.6380000	1.4611388	1.4611388		10.80	20.00	AVRG
1,3-Dichlorobenzene	1.5450000	1.5071990	1.5071990		2.45	20.00	AVRG
1,4-Dichlorobenzene	1.4460000	1.4174579	1.4174579		1.97	20.00	AVRG
1,2-Dichlorobenzene	1.4420000	1.3741700	1.3741700		4.70	20.00	AVRG
bis(2-chloroisopropyl)ether	2.0580000	1.9680556	1.9680556		4.37	20.00	AVRG
N-Nitroso-di-n-propylamine	1.5000000	1.4273130	1.4273130	0.05	4.84	20.00	AVRG
Hexachloroethane	0.8540000	0.8366036	0.8366036		2.04	20.00	AVRG
Nitrobenzene	0.8540000	0.8475884	0.8475884		0.75	20.00	AVRG
Isophorone	1.0660000	1.0831496	1.0831496		-1.61	20.00	AVRG
bis(2-Chloroethoxy)methane	0.5080000	0.4897207	0.4897207		3.60	20.00	AVRG
1,2,4-Trichlorobenzene	0.3750000	0.3812536	0.3812536		-1.67	20.00	AVRG
Naphthalene	0.9520000	0.9876038	0.9876038		-3.74	20.00	AVRG
4-Chloroaniline	0.3910000	0.3942822	0.3942822		-0.84	20.00	AVRG
Hexachlorobutadiene	0.2950000	0.3201919	0.3201919		-8.54	20.00	AVRG
2-Methylnaphthalene	0.7830000	0.8081137	0.8081137		-3.21	20.00	AVRG
Hexachlorocyclopentadiene	52.901070	50.000000	0.2561996	0.05	-5.80		2RDR
2-Chloronaphthalene	1.0040000	1.0323477	1.0323477		-2.82	20.00	AVRG
2-Nitroaniline	0.5580000	0.5955529	0.5955529		-6.73	20.00	AVRG
Dimethylphthalate	1.6010000	1.6646755	1.6646755		-3.98	20.00	AVRG
Acenaphthylene	1.6260000	1.6715850	1.6715850		-2.80	20.00	AVRG
2,6-Dinitrotoluene	0.3290000	0.3785974	0.3785974		-15.08	20.00	AVRG
3-Nitroaniline	0.3290000	0.3463774	0.3463774		-5.28	20.00	AVRG
Acenaphthene	0.9740000	1.0057869	1.0057869		-3.26	20.00	AVRG
Dibenzofuran	1.5750000	1.7477688	1.7477688		-10.97	20.00	AVRG
2,4-Dinitrotoluene	0.4570000	0.5152789	0.5152789		-12.75	20.00	AVRG
Diethylphthalate	1.8400000	1.9833670	1.9833670		-7.79	20.00	AVRG

FORM VII SV-1

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/11/06 Time: 1837

Lab File ID: U32487 Init. Calib. Date(s): 10/11/06 10/11/06

Init. Calib. Times: 1241 1547

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.7890000	0.8461870	0.8461870		-7.25	20.00	AVRG
Fluorene	1.2650000	1.3374868	1.3374868		-5.73	20.00	AVRG
4-Nitroaniline	0.3170000	0.3262615	0.3262615		-2.92	20.00	AVRG
N-Nitrosodiphenylamine	0.5490000	0.5730054	0.5730054		-4.37	20.00	AVRG
4-Bromophenyl-phenylether	0.2820000	0.2808864	0.2808864		0.39	20.00	AVRG
Hexachlorobenzene	0.3440000	0.3352785	0.3352785		2.54	20.00	AVRG
Phenanthrene	1.0280000	1.0046313	1.0046313		2.27	20.00	AVRG
Anthracene	1.0090000	0.9970984	0.9970984		1.18	20.00	AVRG
Carbazole	0.9800000	0.9510527	0.9510527		2.95	20.00	AVRG
Di-n-butylphthalate	1.7760000	1.7702753	1.7702753		0.32	20.00	AVRG
Fluoranthene	1.5350000	1.5705298	1.5705298		-2.31	20.00	AVRG
Pyrene	1.2700000	1.3143640	1.3143640		-3.49	20.00	AVRG
Benzidine	45.399177	50.000000	0.2890912		9.20		2RDR
Butylbenzylphthalate	0.7360000	0.7295589	0.7295589		0.88	20.00	AVRG
3,3'-Dichlorobenzidine	0.4680000	0.4873431	0.4873431		-4.13	20.00	AVRG
Benzo(a)anthracene	1.1480000	1.1175771	1.1175771		2.65	20.00	AVRG
Chrysene	0.9800000	0.9801659	0.9801659		-0.02	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.9560000	0.9839823	0.9839823		-2.93	20.00	AVRG
Di-n-octylphthalate	1.8710000	1.8102698	1.8102698		3.24	20.00	AVRG
Benzo(b)fluoranthene	1.5580000	1.4782865	1.4782865		5.12	20.00	AVRG
Benzo(k)fluoranthene	50.901798	50.000000	1.2960118		-1.80		2RDR
Benzo(a)pyrene	1.3010000	1.2389009	1.2389009		4.77	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.4260000	1.4799406	1.4799406		-3.78	20.00	AVRG
Dibenz(a,h)anthracene	1.1740000	1.1712931	1.1712931		0.23	20.00	AVRG
Benzo(g,h,i)perylene	1.2560000	1.2016536	1.2016536		4.33	20.00	AVRG
Pyridine	45.796914	50.000000	1.7230135		8.41		LINR
Aniline	2.1150000	2.0074812	2.0074812		5.08	20.00	AVRG
Benzyl Alcohol	1.0410000	1.0235392	1.0235392		1.68	20.00	AVRG
1,2-Diphenylhydrazine	1.2570000	1.1972101	1.1972101		4.76	20.00	AVRG
Diphenyl	1.3760000	1.4476951	1.4476951		-5.21	20.00	AVRG
Diphenyl Ether	0.7670000	0.7778421	0.7778421		-1.41	20.00	AVRG
Acetophenone	2.3910000	2.3295983	2.3295983	0.01	2.57	20.00	AVRG
1,4-Dioxane	0.5810000	0.5888391	0.5888391	0.01	-1.35	20.00	AVRG
N,N-Dimethylaniline	2.1190000	2.0601649	2.0601649	0.01	2.78	20.00	AVRG
2,3,7,8-TCDD (Screen)	0.1470000	0.1480193	0.1480193	0.01	-0.69	20.00	AVRG
Benzaldehyde	62.026300	50.000000	1.0871625		-24.05		LINR
Caprolactam	0.1430000	0.1281051	0.1281051		10.42	20.00	AVRG
Atrazine	0.2540000	0.2074677	0.2074677		18.32	20.00	AVRG
n-decane	1.5520000	1.5324867	1.5324867		1.26	20.00	AVRG
Coumarin	0.2960000	0.3088450	0.3088450		-4.34	20.00	AVRG
n-Octadecane	0.5460000	0.5182072	0.5182072		5.09	20.00	AVRG
o-Tricresylphosphate	0.3160000	0.3215652	0.3215652		-1.76	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/11/06 Time: 1837

Lab File ID: U32487 Init. Calib. Date(s): 10/11/06 10/11/06

Init. Calib. Times: 1241 1547

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.5620000	0.5973618	0.5973618		-6.29	20.00	AVRG
1-Methylnaphthalene	0.7150000	0.7057984	0.7057984		1.29	20.00	AVRG
2-Fluorophenol (SUR)	48.418917	50.000000	1.4572986		3.16		2RDR
Phenol-d5 (SUR)	48.752628	50.000000	2.0513391		2.49		2RDR
2,4,6-Tribromophenol (SUR)	50.571171	50.000000	0.3226942		-1.14		2RDR
Nitrobenzene-d5 (SUR)	0.6400000	0.6503436	0.6503436		-1.62	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.2530000	1.2870783	1.2870783		-2.72	20.00	AVRG
Terphenyl-d14 (SUR)	0.9000000	0.9644517	0.9644517		-7.16	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 4.505609989
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/12/06 Time: 1319

Lab File ID: U32510 Init. Calib. Date(s): 10/11/06 10/11/06

Init. Calib. Times: 1241 1547

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	2.0210000	2.1354523	2.1354523		-5.66	20.00	AVRG
2-Chlorophenol	1.2640000	1.2156555	1.2156555		3.82	20.00	AVRG
2-Methylphenol	1.4070000	1.4568086	1.4568086		-3.54	20.00	AVRG
4-Methylphenol	1.5410000	1.6806579	1.6806579		-9.06	20.00	AVRG
2-Nitrophenol	0.2140000	0.2141379	0.2141379		-0.06	20.00	AVRG
2,4-Dimethylphenol	0.3260000	0.3116205	0.3116205		4.41	20.00	AVRG
2,4-Dichlorophenol	0.3310000	0.3316114	0.3316114		-0.18	20.00	AVRG
4-Chloro-3-methylphenol	0.4700000	0.5007618	0.5007618		-6.54	20.00	AVRG
2,4,6-Trichlorophenol	0.4000000	0.4531623	0.4531623		-13.29	20.00	AVRG
2,4,5-Trichlorophenol	0.4200000	0.4456126	0.4456126		-6.10	20.00	AVRG
2,4-Dinitrophenol	50.231740	50.000000	0.1855243	0.05	-0.46		2RDR
4-Nitrophenol	0.4390000	0.5162353	0.5162353	0.05	-17.59	20.00	AVRG
4,6-Dinitro-2-methylphenol	50.698592	50.000000	0.1731643		-1.40		2RDR
Pentachlorophenol	48.543429	50.000000	0.1523342		2.91		2RDR
Benzoic Acid	37.176731	50.000000	0.1246426		25.65		2RDR
N-Nitrosodimethylamine	0.9930000	0.9014063	0.9014063		9.22	20.00	AVRG
bis(2-Chloroethyl)ether	1.6380000	1.5361434	1.5361434		6.22	20.00	AVRG
1,3-Dichlorobenzene	1.5450000	1.5333346	1.5333346		0.76	20.00	AVRG
1,4-Dichlorobenzene	1.4460000	1.5209018	1.5209018		-5.18	20.00	AVRG
1,2-Dichlorobenzene	1.4420000	1.5231341	1.5231341		-5.63	20.00	AVRG
bis(2-chloroisopropyl)ether	2.0580000	2.2565573	2.2565573		-9.65	20.00	AVRG
N-Nitroso-di-n-propylamine	1.5000000	1.5991943	1.5991943	0.05	-6.61	20.00	AVRG
Hexachloroethane	0.8540000	0.9380246	0.9380246		-9.84	20.00	AVRG
Nitrobenzene	0.8540000	0.8713380	0.8713380		-2.03	20.00	AVRG
Isophorone	1.0660000	1.0961448	1.0961448		-2.83	20.00	AVRG
bis(2-Chloroethoxy)methane	0.5080000	0.5104240	0.5104240		-0.48	20.00	AVRG
1,2,4-Trichlorobenzene	0.3750000	0.3936623	0.3936623		-4.98	20.00	AVRG
Naphthalene	0.9520000	0.9723781	0.9723781		-2.14	20.00	AVRG
4-Chloroaniline	0.3910000	0.3875279	0.3875279		0.89	20.00	AVRG
Hexachlorobutadiene	0.2950000	0.3176031	0.3176031		-7.66	20.00	AVRG
2-Methylnaphthalene	0.7830000	0.7949333	0.7949333		-1.52	20.00	AVRG
Hexachlorocyclopentadiene	43.833041	50.000000	0.2084076	0.05	12.33		2RDR
2-Chloronaphthalene	1.0040000	1.0421708	1.0421708		-3.80	20.00	AVRG
2-Nitroaniline	0.5580000	0.5885356	0.5885356		-5.47	20.00	AVRG
Dimethylphthalate	1.6010000	1.6827073	1.6827073		-5.10	20.00	AVRG
Acenaphthylene	1.6260000	1.6483012	1.6483012		-1.37	20.00	AVRG
2,6-Dinitrotoluene	0.3290000	0.3586217	0.3586217		-9.00	20.00	AVRG
3-Nitroaniline	0.3290000	0.3323121	0.3323121		-1.01	20.00	AVRG
Acenaphthene	0.9740000	1.0457745	1.0457745		-7.37	20.00	AVRG
Dibenzofuran	1.5750000	1.6768646	1.6768646		-6.47	20.00	AVRG
2,4-Dinitrotoluene	0.4570000	0.5012738	0.5012738		-9.69	20.00	AVRG
Diethylphthalate	1.8400000	2.0705255	2.0705255		-12.53	20.00	AVRG

FORM VII SV-1

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/12/06 Time: 1319

Lab File ID: U32510 Init. Calib. Date(s): 10/11/06 10/11/06

Init. Calib. Times: 1241 1547

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.7890000	0.8586466	0.8586466		-8.83	20.00	AVRG	
Fluorene	1.2650000	1.4051032	1.4051032		-11.08	20.00	AVRG	
4-Nitroaniline	0.3170000	0.3056060	0.3056060		3.59	20.00	AVRG	
N-Nitrosodiphenylamine	0.5490000	0.5687683	0.5687683		-3.60	20.00	AVRG	
4-Bromophenyl-phenylether	0.2820000	0.3017260	0.3017260		-7.00	20.00	AVRG	
Hexachlorobenzene	0.3440000	0.3665199	0.3665199		-6.55	20.00	AVRG	
Phenanthrene	1.0280000	1.0591574	1.0591574		-3.03	20.00	AVRG	
Anthracene	1.0090000	1.0124265	1.0124265		-0.34	20.00	AVRG	
Carbazole	0.9800000	0.9770662	0.9770662		0.30	20.00	AVRG	
Di-n-butylphthalate	1.7760000	1.8420879	1.8420879		-3.72	20.00	AVRG	
Fluoranthene	1.5350000	1.5414378	1.5414378		-0.42	20.00	AVRG	
Pyrene	1.2700000	1.2182457	1.2182457		4.08	20.00	AVRG	
Benzidine	24.233118	50.000000	0.1955821		51.53		2RDR	
Butylbenzylphthalate	0.7360000	0.7590403	0.7590403		-3.13	20.00	AVRG	
3,3'-Dichlorobenzidine	0.4680000	0.4790260	0.4790260		-2.36	20.00	AVRG	
Benzo(a)anthracene	1.1480000	1.1438426	1.1438426		0.36	20.00	AVRG	
Chrysene	0.9800000	1.0145889	1.0145889		-3.53	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.9560000	1.0100412	1.0100412		-5.65	20.00	AVRG	
Di-n-octylphthalate	1.8710000	1.9897230	1.9897230		-6.34	20.00	AVRG	
Benzo(b)fluoranthene	1.5580000	1.6511177	1.6511177		-5.98	20.00	AVRG	
Benzo(k)fluoranthene	49.205900	50.000000	1.2641689		1.59		2RDR	
Benzo(a)pyrene	1.3010000	1.2391669	1.2391669		4.75	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.4260000	1.3306312	1.3306312		6.69	20.00	AVRG	
Dibenz(a,h)anthracene	1.1740000	1.1182659	1.1182659		4.75	20.00	AVRG	
Benzo(g,h,i)perylene	1.2560000	1.0651489	1.0651489		15.20	20.00	AVRG	
Pyridine	41.534129	50.000000	1.5626351		16.93		LINR	
Aniline	2.1150000	1.9304814	1.9304814		8.72	20.00	AVRG	
Benzyl Alcohol	1.0410000	1.1109674	1.1109674		-6.72	20.00	AVRG	
1,2-Diphenylhydrazine	1.2570000	1.2608495	1.2608495		-0.31	20.00	AVRG	
Diphenyl	1.3760000	1.4230846	1.4230846		-3.42	20.00	AVRG	
Diphenyl Ether	0.7670000	0.7918788	0.7918788		-3.24	20.00	AVRG	
Acetophenone	2.3910000	2.5562376	2.5562376	0.01	-6.91	20.00	AVRG	
1,4-Dioxane	0.5810000	0.4608112	0.4608112	0.01	20.69	20.00	AVRG	<-
N,N-Dimethylaniline	2.1190000	2.2254680	2.2254680	0.01	-5.02	20.00	AVRG	
2,3,7,8-TCDD (Screen)	0.1470000	0.1472081	0.1472081	0.01	-0.14	20.00	AVRG	
Benzaldehyde	68.141870	50.000000	1.1943528		-36.28		LINR	
Caprolactam	0.1430000	0.1278668	0.1278668		10.58	20.00	AVRG	
Atrazine	0.2540000	0.2035769	0.2035769		19.85	20.00	AVRG	
n-decane	1.5520000	1.7070239	1.7070239		-9.99	20.00	AVRG	
Coumarin	0.2960000	0.3008992	0.3008992		-1.66	20.00	AVRG	
n-Octadecane	0.5460000	0.5406881	0.5406881		0.97	20.00	AVRG	
o-Tricresylphosphate	0.3160000	0.3254379	0.3254379		-2.99	20.00	AVRG	

FORM VII SV-2

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y024

Instrument ID: BNAMS4 Calibration Date: 10/12/06 Time: 1319

Lab File ID: U32510 Init. Calib. Date(s): 10/11/06 10/11/06

Init. Calib. Times: 1241 1547

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.5620000	0.5962202	0.5962202		-6.09	20.00	AVRG
1-Methylnaphthalene	0.7150000	0.7050001	0.7050001		1.40	20.00	AVRG
2-Fluorophenol (SUR)	47.828316	50.000000	1.4377455		4.34		2RDR
Phenol-d5 (SUR)	51.067639	50.000000	2.1563263		-2.14		2RDR
2,4,6-Tribromophenol (SUR)	55.073139	50.000000	0.3536115		-10.15		2RDR
Nitrobenzene-d5 (SUR)	0.6400000	0.6511896	0.6511896		-1.75	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.2530000	1.3574203	1.3574203		-8.33	20.00	AVRG
Terphenyl-d14 (SUR)	0.9000000	0.9771669	0.9771669		-8.57	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 6.647607327
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: SOIL Level: LOW Lab Job No: Y024

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SB281	72	89	54	82	78	86	0
02	775888	71	78	65	86	95	90	0
03	775886	50	62	48	86	92	101	0
04	775887	54	66	44	91	97	138	0
05	775886R1	50	61	47	75	89	127	0
06	775887R1	47	61	43	88	102	166*	1
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		QC LIMITS
S1	= 2-Fluorophenol	(38-135)
S2	= Phenol-d5	(40-137)
S3	= 2,4,6-Tribromophenol	(12-151)
S4	= Nitrobenzene-d5	(51-122)
S5	= 2-Fluorobiphenyl	(60-123)
S6	= Terphenyl-d14	(48-142)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 774187

MS Sample from Lab Job No: X701

QA Batch: 4676

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	7700	0.00	6200	81	50-131
2-Chlorophenol	7700	0.00	6900	90	57-126
4-Chloro-3-methylphenol	7700	0.00	6200	81	68-130
4-Nitrophenol	7700	0.00	7200	94	48-137
Pentachlorophenol	7700	0.00	6100	79	0-147
1,4-Dichlorobenzene	3800	0.00	2400	63	50-100
N-Nitroso-di-n-propylami	3800	0.00	2600	68	60-115
1,2,4-Trichlorobenzene	3800	0.00	2600	68	60-112
Acenaphthene	3800	0.00	3200	84	66-114
2,4-Dinitrotoluene	3800	0.00	3000	79	64-121
Pyrene	3800	0.00	3300	87	38-179

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	7700	6600	86	6	40	50-131
2-Chlorophenol	7700	6900	90	0	40	57-126
4-Chloro-3-methylphenol	7700	6900	90	11	40	68-130
4-Nitrophenol	7700	7500	97	4	40	48-137
Pentachlorophenol	7700	5600	73	9	40	0-147
1,4-Dichlorobenzene	3800	2300	61	4	40	50-100
N-Nitroso-di-n-propylami	3800	2700	71	4	40	60-115
1,2,4-Trichlorobenzene	3800	2600	68	0	40	60-112
Acenaphthene	3800	3200	84	0	40	66-114
2,4-Dinitrotoluene	3800	3000	79	0	40	64-121
Pyrene	3800	3700	97	11	40	38-179

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32452 Date Analyzed: 10/09/06

Instrument ID: BNAMS4 Time Analyzed: 1052

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	188768	7.06	703176	8.85	1129470	17.51
	UPPER LIMIT	377536	7.56	1406352	9.35	2258940	18.01
	LOWER LIMIT	94384	6.56	351588	8.35	564735	17.01
	LABORATORY SAMPLE NO.						
01	SB281	172447	7.06	749088	8.84	1359298	17.50
02							
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32452 Date Analyzed: 10/09/06

Instrument ID: BNAMS4 Time Analyzed: 1052

		IS4 (ANT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	464675		11.39		910048		13.53		923874		20.83	
	UPPER LIMIT	929350		11.89		1820096		14.03		1847748		21.33	
	LOWER LIMIT	232338		10.89		455024		13.03		461937		20.33	
	LABORATORY SAMPLE NO.												
01	SB281	580369		11.39		979952		13.52		1125768		20.80	
02													
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22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32478 Date Analyzed: 10/11/06

Instrument ID: BNAMS4 Time Analyzed: 1241

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	134184	7.03	565506	8.81	851194	17.46
	UPPER LIMIT	268368	7.53	1131012	9.31	1702388	17.96
	LOWER LIMIT	67092	6.53	282753	8.31	425597	16.96
	LABORATORY SAMPLE NO.						
01	775888	164336	7.02	687176	8.80	1204982	17.45
02							
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32478 Date Analyzed: 10/11/06

Instrument ID: BNAMS4 Time Analyzed: 1241

		IS4 (ANT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	427862		11.36		773680		13.49		736300		20.75	
	UPPER LIMIT	855724		11.86		1547360		13.99		1472600		21.25	
	LOWER LIMIT	213931		10.86		386840		12.99		368150		20.25	
	LABORATORY SAMPLE NO.												
01	775888	493513		11.35		882797		13.49		1003353		20.72	
02													
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04													
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IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32487 Date Analyzed: 10/11/06

Instrument ID: BNAMS4 Time Analyzed: 1837

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (CRY) AREA	#	RT	#
	12 HOUR STD	144576		7.03		559447		8.81		852321		17.47	
	UPPER LIMIT	289152		7.53		1118894		9.31		1704642		17.97	
	LOWER LIMIT	72288		6.53		279724		8.31		426160		16.97	
	LABORATORY SAMPLE NO.												
01	775886	149657		7.04		599613		8.82		682819		17.46	
02	775887	157473		7.04		641898		8.82		528663		17.47	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32487

Date Analyzed: 10/11/06

Instrument ID: BNAMS4

Time Analyzed: 1837

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	383935	11.36	722900	13.50	736589	20.75
	UPPER LIMIT	767870	11.86	1445800	14.00	1473178	21.25
	LOWER LIMIT	191968	10.86	361450	13.00	368294	20.25
	LABORATORY SAMPLE NO.						
01	775886	399841	11.37	661776	13.50	166497*	20.74
02	775887	422403	11.37	718883	13.51	117587*	20.73
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IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32510 Date Analyzed: 10/12/06

Instrument ID: BNAMS4 Time Analyzed: 1319

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	108230	7.00	458527	8.77	754850	17.40
	UPPER LIMIT	216460	7.50	917054	9.27	1509700	17.90
	LOWER LIMIT	54115	6.50	229264	8.27	377425	16.90
	LABORATORY SAMPLE NO.						
01	775886R1	122957	6.99	583997	8.77	499253	17.39
02	775887R1	140616	6.99	598714	8.77	347648*	17.38
03							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): U32510 Date Analyzed: 10/12/06

Instrument ID: BNAMS4 Time Analyzed: 1319

		IS4 (ANT) AREA #	RT #	IS5 (PHN) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	324779	11.32	611193	13.45	599823	20.64
	UPPER LIMIT	649558	11.82	1222386	13.95	1199646	21.14
	LOWER LIMIT	162390	10.82	305596	12.95	299912	20.14
	LABORATORY SAMPLE NO.						
01	775886R1	384091	11.31	599883	13.45	118781*	20.60
02	775887R1	403740	11.32	644761	13.45	74276*	20.59
03							
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IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Metals Forms and Data

Analytical Results Summary

Client ID: **MW02-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775883
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 10.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	4.4	0.72	*	P
Barium	47.7	0.38		P
Beryllium	0.64	0.067		P
Cadmium	0.17	0.090	B	P
Chromium	63.0	0.36	*	P
Copper	34.8	0.83		P
Lead	22.6	0.61	*	P
Mercury	0.07	0.016		CV
Nickel	89.9	0.54		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.1		P
Zinc	64.2	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW02-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775884
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.9	0.72	*	P
Barium	64.4	0.38		P
Beryllium	0.59	0.068		P
Cadmium	0.47	0.090	B	P
Chromium	47.7	0.36	*	P
Copper	40.2	0.83		P
Lead	40.1	0.61	*	P
Mercury	0.03	0.019		CV
Nickel	68.5	0.54		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	104	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B204-SS01**
Site: **Sun Chemical SI**

Lab Sample No: 775886
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 13.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	8.0	0.74	*	P
Barium	193	0.39		P
Beryllium	0.40	0.069	B	P
Cadmium	0.09	0.092	B	P
Chromium	28.3	0.37	*	P
Copper	56.2	0.85		P
Lead	237	0.62	*	P
Mercury	0.38	0.019		CV
Nickel	28.8	0.55		P
Selenium	1.1	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	205	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B204-SS01D**
Site: **Sun Chemical SI**

Lab Sample No: 775887
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 13.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	1.4	1.3	BN	P
Arsenic	5.8	0.74	*	P
Barium	165	0.39		P
Beryllium	0.36	0.069	B	P
Cadmium	0.10	0.093	B	P
Chromium	22.7	0.37	*	P
Copper	37.8	0.86		P
Lead	177	0.63	*	P
Mercury	0.20	0.019		CV
Nickel	28.2	0.56		P
Selenium	1.6	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.1		P
Zinc	163	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **B204-SS02**
Site: **Sun Chemical SI**

Lab Sample No: 775888
Lab Job No: Y024

Date Sampled: 10/06/06
Date Received: 10/06/06

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.1	0.71	*	P
Barium	36.5	0.38	B	P
Beryllium	0.50	0.066		P
Cadmium	ND	0.089		P
Chromium	38.9	0.35	*	P
Copper	26.7	0.82		P
Lead	21.1	0.60	*	P
Mercury	0.03	0.018	B	CV
Nickel	341	0.53		P
Selenium	ND	0.93		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	88.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	62.6	U	62.6	U	62.6	U	62.6	U	6.260	U	P
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	0.320	U	P
Barium	2.5	B	1.7	U	1.8	B	1.7	U	0.170	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Cadmium	0.9	B	0.4	U	0.5	B	0.4	U	0.040	U	P
Calcium	42.5	U	42.5	U	43.4	B	42.5	U	4.250	U	P
Chromium	1.6	U	1.6	U	1.6	U	1.6	U	0.160	U	P
Cobalt	1.7	U	1.7	U	1.7	U	1.7	U	0.170	U	P
Copper	4.2	B	3.7	U	3.7	U	3.7	U	0.370	U	P
Iron	39.2	U	39.2	U	39.2	U	40.4	B	3.920	U	P
Lead	4.3	B	2.7	U	2.7	U	4.8	B	0.270	U	P
Magnesium	41.6	U	41.6	U	53.8	B	41.6	U	4.160	U	P
Manganese	1.2	B	1.2	U	1.2	U	1.2	U	0.120	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	0.240	U	P
Potassium	484.1	B	482.5	B	335.5	B	1523.1	B	31.540	U	P
Selenium	4.5	B	4.2	U	4.2	U	4.2	U	0.420	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.140	U	P
Sodium	395.5	U	395.5	U	395.5	U	395.5	U	51.352	B	P
Thallium	7.3	B	5.1	B	4.7	U	4.7	U	0.470	U	P
Vanadium	4.7	U	4.7	U	4.7	U	4.7	U	0.470	U	P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _Y024 _____ Batch No.: 21454_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			62.6	U							P
Antimony			5.8	U							P
Arsenic			3.2	U							P
Barium			1.7	U							P
Beryllium			0.3	U							P
Cadmium			0.6	B							P
Calcium			42.5	U							P
Chromium			1.6	U							P
Cobalt			1.7	U							P
Copper			3.7	U							P
Iron			39.2	U							P
Lead			2.7	U							P
Magnesium			56.3	B							P
Manganese			1.2	U							P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.4	U							P
Potassium			1045.8	B							P
Selenium			4.3	B							P
Silver			1.4	U							P
Sodium			395.5	U							P
Thallium			6.6	B							P
Vanadium			4.7	U							P
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _Y024 _____ Batch No.: 21454_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	122.8	B	62.6	U	74.1	B	62.6	U			P
Antimony	5.8	U	5.8	U	5.8	U					P
Arsenic	3.2	U	3.2	U	3.2	U					P
Barium	4.5	B	1.7	U	2.2	B					P
Beryllium	0.5	B	0.3	U	0.3	U					P
Cadmium	1.2	B	0.4	U	0.6	B					P
Calcium	42.5	U	42.5	U	42.5	U	42.5	U			P
Chromium	1.9	B	1.6	U	1.6	U					P
Cobalt	2.0	B	1.7	U	2.2	B	1.8	B			P
Copper	6.2	B	3.7	U	3.7	U					P
Iron	39.2	U	39.2	U	39.2	U	76.9	B			P
Lead	4.8	B	2.7	U	2.7	U					P
Magnesium	41.6	U	41.6	U	41.6	U	41.6	U			P
Manganese	1.2	U	1.2	U	1.2	U	1.2	U			P
Mercury											NR
Nickel	2.4	U	2.4	U	2.4	U					P
Potassium	315.4	U	315.4	U	315.4	U	357.3	B			P
Selenium	4.2	U	4.2	U	4.2	U					P
Silver	1.4	U	1.4	U	1.4	U					P
Sodium	576.7	B	508.3	B	780.0	B	460.1	B			P
Thallium	4.7	U	4.7	U	4.7	U					P
Vanadium	4.7	U	4.7	U	4.7	U	4.7	U			P
Zinc	5.8	U	5.8	U	5.8	U					P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _Y024 _____ Batch No.: 21454_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			74.9	B							P
Antimony	5.8	U	5.8	U	5.8	U	11.6				P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U			P
Barium	2.6	B	1.7	U	1.7	U	1.7	B			P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U			P
Cadmium	0.7	B	0.4	U	0.4	U	0.7	B			P
Calcium			42.5	U							P
Chromium	1.6	U	1.6	U	1.6	U	3.9	B			P
Cobalt			1.7	U							P
Copper	4.2	B	3.7	U	3.7	U	4.4	B			P
Iron			39.2	U							P
Lead	2.7	U	2.7	U	2.7	U	2.7	U			P
Magnesium			41.6	U							P
Manganese			1.2	U							P
Mercury											NR
Nickel	2.4	U	2.4	U	2.4	U	3.5	B			P
Potassium			315.4	U							P
Selenium	4.2	U	4.2	U	4.2	U	4.2	U			P
Silver	1.9	B	1.4	U	2.4	B	2.5	B			P
Sodium			520.1	B							P
Thallium	4.7	U	4.7	U	4.7	U	6.4	B			P
Vanadium			4.7	U							P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _Y024 _____ Batch No.: 21454_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			73.8	B	62.6	U	62.6	U			P
Antimony			5.8	U							P
Arsenic			3.2	U							P
Barium			1.7	U							P
Beryllium			0.3	U							P
Cadmium			0.4	U							P
Calcium			42.5	U	42.5	U	42.5	U			P
Chromium			1.6	U							P
Cobalt			1.7	U	2.1	B	1.7	U			P
Copper			3.7	U							P
Iron			39.2	U	39.2	U	39.2	U			P
Lead			2.7	U							P
Magnesium			41.6	U	41.6	U	41.6	U			P
Manganese			1.2	U	1.2	U	1.2	U			P
Mercury											NR
Nickel			2.4	U							P
Potassium			315.4	U	315.4	U	404.3	B			P
Selenium			4.2	U							P
Silver			1.7	B							P
Sodium			545.4	B	396.7	B	614.4	B			P
Thallium			-5.1	B							P
Vanadium			4.7	U	4.7	U	4.7	U			P
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: _Y024 _____ Batch No.: 21454_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep. Blank	C	M
Aluminum											NR
Antimony			5.8	U	5.8	U	5.8	U			P
Arsenic			3.2	U	3.2	U	3.4	B			P
Barium			1.7	U	1.7	U	1.7	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium											NR
Chromium			1.6	U	1.6	U	1.6	U			P
Cobalt											NR
Copper			3.7	U	3.7	U	3.7	U			P
Iron											NR
Lead			2.7	U	3.6	B	2.7	U			P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel			2.4	U	2.4	U	2.4	U			P
Potassium											NR
Selenium			4.2	U	4.2	U	4.2	U			P
Silver			1.5	B	1.4	U	1.9	B			P
Sodium											NR
Thallium			4.7	U	4.7	U	4.7	U			P
Vanadium											NR
Zinc			5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: Y024 Batch No.: 21454_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum	125000.0	125762.9	100.6	125000.0	123239.8	98.6	126531.6	101.2	P
Antimony	1000.0	979.50	98.0	1000.0	950.08	95.0	1008.93	100.9	P
Arsenic	5000.0	5002.01	100.0	5000.0	4835.87	96.7	4994.65	99.9	P
Barium	10000.0	10161.54	101.6	10000.0	9987.41	99.9	10332.75	103.3	P
Beryllium	1000.0	1009.50	101.0	1000.0	978.94	97.9	1015.96	101.6	P
Cadmium	2500.0	2535.89	101.4	2500.0	2430.98	97.2	2490.74	99.6	P
Calcium	125000.0	123338.2	98.7	125000.0	119477.4	95.6	124642.3	99.7	P
Chromium	5000.0	5006.28	100.1	5000.0	4877.76	97.6	5035.91	100.7	P
Cobalt	2500.0	2514.94	100.6	2500.0	2442.80	97.7	2522.86	100.9	P
Copper	12500.0	12534.88	100.3	12500.0	12356.58	98.9	12787.12	102.3	P
Iron	100000.0	100353.8	100.4	100000.0	97337.39	97.3	100987.9	101.0	P
Lead	10000.0	9959.19	99.6	10000.0	9652.00	96.5	10012.16	100.1	P
Magnesium	125000.0	124892.8	99.9	125000.0	121249.2	97.0	125126.4	100.1	P
Manganese	5000.0	5032.03	100.6	5000.0	4902.74	98.1	5059.13	101.2	P
Mercury	5.0	5.42	108.4	5.0	5.57	111.4	5.56	111.2	CV
Nickel	2500.0	2519.72	100.8	2500.0	2440.06	97.6	2496.54	99.9	P
Potassium	50000.0	47787.27	95.6	50000.0	46308.39	92.6	47240.98	94.5	P
Selenium	5000.0	4975.61	99.5	5000.0	4766.09	95.3	4984.32	99.7	P
Silver	1250.0	1267.07	101.4	1250.0	1246.06	99.7	1285.84	102.9	P
Sodium	125000.0	124758.4	99.8	125000.0	122459.1	98.0	124331.3	99.5	P
Thallium	5000.0	5069.02	101.4	5000.0	4927.76	98.6	5023.02	100.5	P
Vanadium	2500.0	2510.09	100.4	2500.0	2450.58	98.0	2540.76	101.6	P
Zinc	7500.0	7571.72	101.0	7500.0	7316.93	97.6	7564.86	100.9	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				125000.0	121327.9	97.1	122969.2	98.4	P
Antimony				1000.0	954.46	95.4	955.83	95.6	P
Arsenic				5000.0	4939.92	98.8	4860.37	97.2	P
Barium				10000.0	9548.15	95.5	9823.38	98.2	P
Beryllium				1000.0	982.85	98.3	977.69	97.8	P
Cadmium				2500.0	2535.18	101.4	2467.32	98.7	P
Calcium				125000.0	122193.9	97.8	121458.2	97.2	P
Chromium				5000.0	4928.10	98.6	4898.24	98.0	P
Cobalt				2500.0	2512.72	100.5	2483.67	99.3	P
Copper				12500.0	11803.30	94.4	12158.57	97.3	P
Iron				100000.0	99030.32	99.0	98291.36	98.3	P
Lead				10000.0	10082.19	100.8	9898.11	99.0	P
Magnesium				125000.0	125545.8	100.4	122553.7	98.0	P
Manganese				5000.0	4892.93	97.9	4880.27	97.6	P
Mercury				5.0	5.69	113.8	5.48	109.6	CV
Nickel				2500.0	2504.10	100.2	2463.23	98.5	P
Potassium				50000.0	47990.25	96.0	48614.82	97.2	P
Selenium				5000.0	4889.07	97.8	4857.86	97.2	P
Silver				1250.0	1206.89	96.6	1231.18	98.5	P
Sodium				125000.0	120659.2	96.5	122220.1	97.8	P
Thallium				5000.0	5013.60	100.3	4951.02	99.0	P
Vanadium				2500.0	2434.51	97.4	2438.13	97.5	P
Zinc				7500.0	7835.94	104.5	7535.26	100.5	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: Y024 Batch No.: 21454_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	125000.0	125547.7	100.4	125000.0	125482.3	100.4	130482.8	104.4	P
Antimony	1000.0	991.05	99.1	1000.0	986.24	98.6	1016.36	101.6	P
Arsenic	5000.0	4933.84	98.7	5000.0	4921.87	98.4	5005.79	100.1	P
Barium	10000.0	10198.71	102.0	10000.0	10173.77	101.7	10393.43	103.9	P
Beryllium	1000.0	1002.58	100.3	1000.0	994.08	99.4	1015.15	101.5	P
Cadmium	2500.0	2463.91	98.6	2500.0	2448.50	97.9	2482.34	99.3	P
Calcium	125000.0	120649.6	96.5	125000.0	119243.5	95.4	119765.5	95.8	P
Chromium	5000.0	4952.36	99.0	5000.0	4971.39	99.4	5052.45	101.0	P
Cobalt	2500.0	2461.00	98.4	2500.0	2434.57	97.4	2464.33	98.6	P
Copper	12500.0	12609.72	100.9	12500.0	12580.65	100.6	12858.16	102.9	P
Iron	100000.0	98801.88	98.8	100000.0	97766.84	97.8	99289.62	99.3	P
Lead	10000.0	9766.35	97.7	10000.0	9891.62	98.9	9988.14	99.9	P
Magnesium	125000.0	121667.4	97.3	125000.0	120540.1	96.4	120796.1	96.6	P
Manganese	5000.0	4985.11	99.7	5000.0	4965.39	99.3	5057.96	101.2	P
Mercury				5.0	5.78	115.6	5.57	111.4	CV
Nickel	2500.0	2456.50	98.3	2500.0	2463.82	98.6	2490.58	99.6	P
Potassium	50000.0	48520.67	97.0	50000.0	48116.92	96.2	49093.09	98.2	P
Selenium	5000.0	4903.70	98.1	5000.0	4925.04	98.5	4980.76	99.6	P
Silver	1250.0	1267.29	101.4	1250.0	1260.53	100.8	1286.37	102.9	P
Sodium	125000.0	127213.2	101.8	125000.0	126816.7	101.5	131290.8	105.0	P
Thallium	5000.0	4943.25	98.9	5000.0	4951.96	99.0	5007.38	100.1	P
Vanadium	2500.0	2500.11	100.0	2500.0	2487.90	99.5	2559.92	102.4	P
Zinc	7500.0	7433.01	99.1	7500.0	7464.91	99.5	7564.87	100.9	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				125000.0	125262.4	100.2	125117.7	100.1	P
Antimony	1000.0	980.38	98.0	1000.0	983.92	98.4	1017.06	101.7	P
Arsenic	5000.0	4883.38	97.7	5000.0	4842.67	96.9	4895.73	97.9	P
Barium	10000.0	10282.86	102.8	10000.0	10318.94	103.2	10914.70	109.1	P
Beryllium	1000.0	995.02	99.5	1000.0	984.19	98.4	998.43	99.8	P
Cadmium	2500.0	2455.31	98.2	2500.0	2393.03	95.7	2381.64	95.3	P
Calcium				125000.0	122854.5	98.3	122082.2	97.7	P
Chromium	5000.0	4938.27	98.8	5000.0	4905.39	98.1	4994.19	99.9	P
Cobalt				2500.0	2509.07	100.4	2482.62	99.3	P
Copper	12500.0	12672.41	101.4	12500.0	12749.66	102.0	13459.65	107.7	P
Iron				100000.0	99563.21	99.6	99116.21	99.1	P
Lead	10000.0	9746.45	97.5	10000.0	9623.98	96.2	9543.15	95.4	P
Magnesium				125000.0	124673.7	99.7	122356.9	97.9	P
Manganese				5000.0	4985.15	99.7	4974.95	99.5	P
Mercury									NR
Nickel	2500.0	2460.78	98.4	2500.0	2427.76	97.1	2457.80	98.3	P
Potassium				50000.0	49110.58	98.2	48059.41	96.1	P
Selenium	5000.0	4896.52	97.9	5000.0	4853.02	97.1	4872.67	97.5	P
Silver	1250.0	1269.16	101.5	1250.0	1266.92	101.4	1321.94	105.8	P
Sodium				125000.0	126996.5	101.6	126744.6	101.4	P
Thallium	5000.0	4948.58	99.0	5000.0	4887.82	97.8	4963.74	99.3	P
Vanadium				2500.0	2489.82	99.6	2487.33	99.5	P
Zinc	7500.0	7294.65	97.3	7500.0	7175.60	95.7	7033.14	93.8	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: Y024 Batch No.: 21454_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	126267.1	101.0	125247.5	100.2	P
Antimony				1000.0	972.74	97.3	976.22	97.6	P
Arsenic				5000.0	4959.98	99.2	4914.20	98.3	P
Barium				10000.0	10053.88	100.5	10182.39	101.8	P
Beryllium				1000.0	991.70	99.2	987.40	98.7	P
Cadmium				2500.0	2500.38	100.0	2456.65	98.3	P
Calcium				125000.0	120789.1	96.6	119801.5	95.8	P
Chromium				5000.0	4985.02	99.7	4946.66	98.9	P
Cobalt				2500.0	2486.69	99.5	2474.86	99.0	P
Copper				12500.0	12410.77	99.3	12576.35	100.6	P
Iron				100000.0	99244.35	99.2	98594.53	98.6	P
Lead				10000.0	9982.91	99.8	9802.92	98.0	P
Magnesium				125000.0	122565.5	98.1	121975.7	97.6	P
Manganese				5000.0	4968.63	99.4	4926.06	98.5	P
Mercury									NR
Nickel				2500.0	2516.60	100.7	2484.97	99.4	P
Potassium				50000.0	48890.60	97.8	48727.84	97.5	P
Selenium				5000.0	4954.14	99.1	4912.90	98.3	P
Silver				1250.0	1247.34	99.8	1256.79	100.5	P
Sodium				125000.0	128106.4	102.5	127675.4	102.1	P
Thallium				5000.0	5055.63	101.1	4990.55	99.8	P
Vanadium				2500.0	2501.18	100.0	2479.32	99.2	P
Zinc				7500.0	7587.02	101.2	7383.59	98.4	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: Y024 Batch No.: 21454_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	124055.4	99.2			P
Antimony				1000.0	981.75	98.2	966.43	96.6	P
Arsenic				5000.0	4918.32	98.4	4884.07	97.7	P
Barium				10000.0	10287.83	102.9	10167.92	101.7	P
Beryllium				1000.0	991.52	99.2	980.60	98.1	P
Cadmium				2500.0	2453.44	98.1	2441.97	97.7	P
Calcium				125000.0	121216.5	97.0			P
Chromium				5000.0	4966.67	99.3	4932.56	98.7	P
Cobalt				2500.0	2480.18	99.2			P
Copper				12500.0	12684.28	101.5	12531.01	100.2	P
Iron				100000.0	98361.62	98.4			P
Lead				10000.0	9869.23	98.7	9791.05	97.9	P
Magnesium				125000.0	122023.8	97.6			P
Manganese				5000.0	4885.02	97.7			P
Mercury									NR
Nickel				2500.0	2485.13	99.4	2479.87	99.2	P
Potassium				50000.0	48790.44	97.6			P
Selenium				5000.0	4936.52	98.7	4895.93	97.9	P
Silver				1250.0	1265.32	101.2	1252.93	100.2	P
Sodium				125000.0	126630.0	101.3			P
Thallium				5000.0	4994.24	99.9	4985.52	99.7	P
Vanadium				2500.0	2450.88	98.0			P
Zinc				7500.0	7357.52	98.1	7331.48	97.8	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: Y024 Batch No.: 21454_

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				1000.0	950.81	95.1			P
Arsenic				5000.0	4887.17	97.7			P
Barium				10000.0	9959.54	99.6			P
Beryllium				1000.0	973.69	97.4			P
Cadmium				2500.0	2469.08	98.8			P
Calcium									NR
Chromium				5000.0	4914.39	98.3			P
Cobalt									NR
Copper				12500.0	12264.01	98.1			P
Iron									NR
Lead				10000.0	9790.08	97.9			P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel				2500.0	2493.99	99.8			P
Potassium									NR
Selenium				5000.0	4859.11	97.2			P
Silver				1250.0	1232.08	98.6			P
Sodium									NR
Thallium				5000.0	5007.81	100.2			P
Vanadium									NR
Zinc				7500.0	7416.20	98.9			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	525482	506625.5	101.3	492720	495413.7	99.1
Antimony		100		96.6	96.6		93.1	93.1
Arsenic		100		96.5	96.5		91.3	91.3
Barium		100		103.7	103.7		101.3	101.3
Beryllium		100		99.2	99.2		97.2	97.2
Cadmium		100		87.9	87.9		93.2	93.2
Calcium	500000	500000	515865	498805.3	99.8	484823	489832.4	98.0
Chromium		100		99.7	99.7		97.8	97.8
Cobalt		100		94.8	94.8		93.4	93.4
Copper		100		102.7	102.7		100.3	100.3
Iron	200000	200000	210363	202868.8	101.4	197100	199259.0	99.6
Lead		100		97.6	97.6		93.0	93.0
Magnesium	500000	500000	551257	529101.6	105.8	517033	520017.1	104.0
Manganese		100		98.4	98.4		96.2	96.2
Mercury								
Nickel		100		99.0	99.0		98.6	98.6
Potassium		10000		9620.2	96.2		9314.1	93.1
Selenium		100		111.1	111.1		98.9	98.9
Silver		100		102.7	102.7		100.9	100.9
Sodium		10000		10390.3	103.9		10344.4	103.4
Thallium		100		100.0	100.0		99.9	99.9
Vanadium		100		98.4	98.4		96.2	96.2
Zinc		100		104.7	104.7		103.4	103.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000				485864	487333.1	97.5
Antimony		100					91.2	91.2
Arsenic		100					91.2	91.2
Barium		100					97.1	97.1
Beryllium		100					94.9	94.9
Cadmium		100					92.7	92.7
Calcium	500000	500000				483033	485299.1	97.1
Chromium		100					96.0	96.0
Cobalt		100					92.4	92.4
Copper		100					95.7	95.7
Iron	200000	200000				195834	196348.2	98.2
Lead		100					92.7	92.7
Magnesium	500000	500000				514208	513451.5	102.7
Manganese		100					93.8	93.8
Mercury								
Nickel		100					96.7	96.7
Potassium		10000					9962.9	99.6
Selenium		100					96.0	96.0
Silver		100					97.5	97.5
Sodium		10000					10138.7	101.4
Thallium		100					90.3	90.3
Vanadium		100					94.3	94.3
Zinc		100					104.0	104.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _Y024 Batch No.: 21454_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	494983	508624.2	101.7	500269	514544.0	102.9
Antimony		100		92.4	92.4		100.3	100.3
Arsenic		100		95.9	95.9		103.3	103.3
Barium		100		104.9	104.9		104.9	104.9
Beryllium		100		100.0	100.0		100.9	100.9
Cadmium		100		94.8	94.8		95.7	95.7
Calcium	500000	500000	484138	496875.6	99.4	489093	504939.4	101.0
Chromium		100		99.9	99.9		102.3	102.3
Cobalt		100		94.3	94.3		95.5	95.5
Copper		100		102.9	102.9		103.9	103.9
Iron	200000	200000	198087	203359.6	101.7	199819	206449.6	103.2
Lead		100		88.2	88.2		90.9	90.9
Magnesium	500000	500000	520223	531939.3	106.4	527277	541633.8	108.3
Manganese		100		98.5	98.5		99.6	99.6
Mercury								
Nickel		100		98.5	98.5		100.1	100.1
Potassium		10000		9442.4	94.4		9691.1	96.9
Selenium		100		95.4	95.4		96.8	96.8
Silver		100		103.0	103.0		103.7	103.7
Sodium		10000		10588.5	105.9		10705.0	107.0
Thallium		100		87.1	87.1		93.4	93.4
Vanadium		100		99.9	99.9		102.2	102.2
Zinc		100		104.4	104.4		107.2	107.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	502084	512275.8	102.5	501337	509559.3	101.9
Antimony		100		92.4	92.4		92.8	92.8
Arsenic		100		99.2	99.2		97.0	97.0
Barium		100		105.5	105.5		104.3	104.3
Beryllium		100		99.5	99.5		99.0	99.0
Cadmium		100		94.4	94.4		93.9	93.9
Calcium	500000	500000	485985	497306.4	99.5	490085	500248.1	100.0
Chromium		100		100.2	100.2		100.7	100.7
Cobalt		100		95.7	95.7		95.2	95.2
Copper		100		103.9	103.9		102.5	102.5
Iron	200000	200000	198867	203072.0	101.5	199144	203236.6	101.6
Lead		100		89.1	89.1		88.9	88.9
Magnesium	500000	500000	517276	527303.4	105.5	521347	530805.6	106.2
Manganese		100		98.5	98.5		99.7	99.7
Mercury								
Nickel		100		98.3	98.3		98.0	98.0
Potassium		10000		9557.5	95.6		9469.0	94.7
Selenium		100		91.0	91.0		88.6	88.6
Silver		100		105.4	105.4		103.8	103.8
Sodium		10000		10997.1	110.0		11043.2	110.4
Thallium		100		85.1	85.1		92.8	92.8
Vanadium		100		101.8	101.8		101.1	101.1
Zinc		100		102.6	102.6		103.2	103.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _Y024 Batch No.: 21454_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000				503035	508599.1	101.7
Antimony		100					89.5	89.5
Arsenic		100					100.4	100.4
Barium		100					102.5	102.5
Beryllium		100					98.6	98.6
Cadmium		100					94.8	94.8
Calcium	500000	500000				491252	499976.2	100.0
Chromium		100					99.9	99.9
Cobalt		100					96.4	96.4
Copper		100					99.6	99.6
Iron	200000	200000				200704	203531.7	101.8
Lead		100					91.4	91.4
Magnesium	500000	500000				525118	533306.2	106.7
Manganese		100					97.1	97.1
Mercury								
Nickel		100					99.2	99.2
Potassium		10000					9722.4	97.2
Selenium		100					94.9	94.9
Silver		100					103.0	103.0
Sodium		10000					10978.1	109.8
Thallium		100					91.1	91.1
Vanadium		100					101.2	101.2
Zinc		100					105.3	105.3

Spike Sample Recovery Summary

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

BSS101006

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	200.4848		6.2600	U	200.00	100.2		P
Antimony	75-125	50.6774		0.5800	U	50.00	101.4		P
Arsenic	75-125	200.2392		0.3200	U	200.00	100.1		P
Barium	75-125	198.8072		0.1700	U	200.00	99.4		P
Beryllium	75-125	4.9506		0.0300	U	5.00	99.0		P
Cadmium	75-125	5.1603		0.0400	U	5.00	103.2		P
Calcium	75-125	2068.7863		4.2500	U	2000.00	103.4		P
Chromium	75-125	20.0417		0.1600	U	20.00	100.2		P
Cobalt	75-125	49.6040		0.1700	U	50.00	99.2		P
Copper	75-125	24.8063		0.3700	U	25.00	99.2		P
Iron	75-125	100.1458		3.9200	U	100.00	100.1		P
Lead	75-125	51.6182		0.2700	U	50.00	103.2		P
Magnesium	75-125	2000.4574		4.1600	U	2000.00	100.0		P
Manganese	75-125	49.4664		0.1200	U	50.00	98.9		P
Mercury	75-125	0.1717		0.0167	U	0.17	101.0		CV
Nickel	75-125	49.9617		0.2400	U	50.00	99.9		P
Potassium	75-125	1854.7688		31.5400	U	2000.00	92.7		P
Selenium	75-125	201.2005		0.4200	U	200.00	100.6		P
Silver	75-125	4.8778		0.1400	U	5.00	97.6		P
Sodium	75-125	2112.7236		51.3516	B	2000.00	103.1		P
Thallium	75-125	207.0643		0.4700	U	200.00	103.5		P
Vanadium	75-125	49.5949		0.4700	U	50.00	99.2		P
Zinc	75-125	50.3029		0.5800	U	50.00	100.6		P
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775888MS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: Y024 Batch No.: 21454_

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.2289		0.0312	B	0.18	109.8		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

776295MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 88.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		11304.4059		10113.4680		226.76	525.2		P
Antimony	75-125	32.2971		1.3152	U	56.69	57.0	N	P
Arsenic	75-125	210.7018		1.2383		226.76	92.4		P
Barium	75-125	261.0027		46.1683		226.76	94.7		P
Beryllium	75-125	5.6882		0.5136		5.67	91.3		P
Cadmium	75-125	5.4023		0.0907	U	5.67	95.3		P
Calcium	75-125	3768.7483		1530.6197		2267.57	98.7		P
Chromium	75-125	31.7136		10.1170		22.68	95.2		P
Cobalt	75-125	58.2692		5.5449	B	56.69	93.0		P
Copper	75-125	41.2005		13.8435		28.34	96.5		P
Iron		13893.5347		13292.6889		113.38	529.9		P
Lead	75-125	70.9998		18.7798		56.69	92.1		P
Magnesium	75-125	4267.2991		2206.8059		2267.57	90.9		P
Manganese	75-125	225.1766		180.1549		56.69	79.4		P
Mercury									NR
Nickel	75-125	63.6061		10.5934		56.69	93.5		P
Potassium	75-125	2649.6871		852.8206	B	2267.57	79.2		P
Selenium	75-125	209.1946		1.2587		226.76	91.7		P
Silver	75-125	5.2438		0.3175	U	5.67	92.5		P
Sodium	75-125	2427.1599		161.3494	B	2267.57	99.9		P
Thallium	75-125	215.4857		1.0658	U	226.76	95.0		P
Vanadium	75-125	68.3145		15.7404		56.69	92.7		P
Zinc	75-125	138.0875		82.7127		56.69	97.7		P
Molybdenu									NR

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

LCSSD048-D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7379.6094		6903.6726		6.7		P
Antimony		54.6824		50.9482		7.1		P
Arsenic		80.8728		74.6612		8.0		P
Barium		160.2648		152.4954		5.0		P
Beryllium		145.1072		134.3128		7.7		P
Cadmium		237.8130		218.7410		8.4		P
Calcium		4424.4312		4092.4124		7.8		P
Chromium		61.6404		57.3880		7.1		P
Cobalt		70.4972		65.7672		6.9		P
Copper		135.4890		126.2462		7.1		P
Iron		13239.8594		13017.1360		1.7		P
Lead		78.5130		72.4904		8.0		P
Magnesium	500.0	2171.0854		1977.3960		9.3		P
Manganese		306.0586		287.9952		6.1		P
Mercury		4.1417		3.7333		10.4		CV
Nickel		52.1272		48.6174		7.0		P
Potassium	500.0	2159.9692		1971.0816		9.1		P
Selenium		85.2472		80.2192		6.1		P
Silver		81.8078		76.3542		6.9		P
Sodium	500.0	541.4972	B	531.0344	B	2.0		P
Thallium		164.0734		147.8268		10.4		P
Vanadium		69.1856		65.3424		5.7		P
Zinc		119.0734		110.1830		7.8		P
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

775888D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 90.3 % Solids for Duplicate: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.0312	B	0.0329	B	5.3		CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

776295D

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: __Y024

Batch No.: 21454_

Matrix (soil/water): SOIL_

Level (low/med): _LOW__

% Solids for Sample: _88.2

% Solids for Duplicate: __88.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		10113.4680		10287.0952		1.7		P
Antimony		1.3152	U	1.3152	U			P
Arsenic	0.6	1.2383		2.0907		51.2	*	P
Barium	22.7	46.1683		52.6667		13.1		P
Beryllium	0.2	0.5136		0.5878		13.5		P
Cadmium		0.0907	U	0.0907	U			P
Calcium	566.9	1530.6197		1663.3154		8.3		P
Chromium		10.1170		15.2914		40.7	*	P
Cobalt	5.7	5.5449	B	5.7918	B	4.4		P
Copper	2.8	13.8435		15.0540		8.4		P
Iron		13292.6889		14317.9385		7.4		P
Lead		18.7798		33.2830		55.7	*	P
Magnesium	566.9	2206.8059		2059.9272		6.9		P
Manganese		180.1549		190.4939		5.6		P
Mercury								NR
Nickel	4.5	10.5934		9.8077		7.7		P
Potassium	566.9	852.8206	B	578.5306	B	38.3		P
Selenium	0.6	1.2587		0.9524	U	200.0		P
Silver		0.3175	U	0.3175	U			P
Sodium		161.3494	B	236.6435	B	37.8		P
Thallium		1.0658	U	1.0658	U			P
Vanadium	5.7	15.7404		18.8662		18.1		P
Zinc		82.7127		84.9345		2.7		P
Molybdenu								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7590.0	7379.6		4390.0	10800.0	97.2
Antimony				77.5	54.7		0.1	173.0	70.6
Arsenic				80.9	80.9		64.5	97.3	100.0
Barium				156.0	160.3		128.0	184.0	102.8
Beryllium				143.0	145.1		117.0	169.0	101.5
Cadmium				233.0	237.8		188.0	277.0	102.1
Calcium				4320.0	4424.4		3420.0	5220.0	102.4
Chromium				60.8	61.6		47.7	73.8	101.3
Cobalt				68.6	70.5		56.1	81.1	102.8
Copper				131.0	135.5		108.0	154.0	103.4
Iron				14400.0	13239.9		7420.0	21400.0	91.9
Lead				76.8	78.5		61.9	91.8	102.2
Magnesium				2220.0	2171.1		1710.0	2730.0	97.8
Manganese				304.0	306.1		243.0	365.0	100.7
Mercury				3.6	4.1		2.4	4.8	113.9
Nickel				49.6	52.1		40.4	58.8	105.0
Potassium				2380.0	2160.0		1700.0	3060.0	90.8
Selenium				82.9	85.2		62.6	103.0	102.8
Silver				80.0	81.8		49.0	111.0	102.2
Sodium				456.0	541.5	B	254.0	658.0	118.8
Thallium				158.0	164.1		119.0	197.0	103.9
Vanadium				72.4	69.2		51.7	93.0	95.6
Zinc				116.0	119.1		90.5	141.0	102.7
Molybdenu									

Serial Dilution Summary

LAB SAMPLE NO.

ICP SERIAL DILUTION

776295L

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y024 Batch No.: 21454

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	44600.39		45346.04		1.7		P
Antimony	5.80	U	29.00	U			P
Arsenic	5.46		16.00	U	100.0		P
Barium	203.60		211.90	B	4.1		P
Beryllium	2.26		1.90	B	15.9		P
Cadmium	0.40	U	2.00	U			P
Calcium	6750.03		6712.87	B	0.6		P
Chromium	44.62		42.44	B	4.9		P
Cobalt	24.45	B	31.16	B	27.4		P
Copper	61.05		61.16	B	0.2		P
Iron	58620.76		58967.94		0.6		P
Lead	82.82		75.58		8.7		P
Magnesium	9732.01		9558.59	B	1.8		P
Manganese	794.48		803.74		1.2		P
Mercury							NR
Nickel	46.72		38.00	B	18.7		P
Potassium	3760.94	B	2299.99	B	38.8		P
Selenium	5.55		21.00	U	100.0		P
Silver	1.40	U	7.00	U			P
Sodium	711.55	B	3425.02	B	381.3		P
Thallium	4.70	U	23.50	U			P
Vanadium	69.42		79.52	B	14.5		P
Zinc	364.76		351.38		3.7		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD01	1.00	1341																X									
STD02	1.00	1343																X									
STD03	1.00	1344																X									
STD04	1.00	1346																X									
STD05	1.00	1348																X									
STD06	1.00	1349																X									
ICV/ACCV	1.00	1352																X									
ICB/CCB	1.00	1354																X									
ZZZZZZ	1.00	1355																									
ZZZZZZ	1.00	1358																									
ZZZZZZ	5.00	1400																									
ZZZZZZ	5.00	1402																									
ZZZZZZ	1.00	1404																									
ZZZZZZ	1.00	1406																									
ZZZZZZ	1.00	1408																									
ZZZZZZ	1.00	1410																									
CCV	1.00	1412																X									
CCB	1.00	1413																X									
ZZZZZZ	1.00	1415																									
ZZZZZZ	1.00	1417																									
ZZZZZZ	1.00	1418																									
ZZZZZZ	1.00	1420																									
ZZZZZZ	1.00	1422																									
ZZZZZZ	1.00	1424																									
ZZZZZZ	1.00	1426																									
ZZZZZZ	1.00	1427																									
CCV	1.00	1429																X									
CCB	1.00	1431																X									
ZZZZZZ	1.00	1433																									
ZZZZZZ	1.00	1434																									
ZZZZZZ	1.00	1436																									
ZZZZZZ	1.00	1438																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1441																												
ZZZZZZ	1.00	1442																												
ZZZZZZ	1.00	1444																												
ZZZZZZ	1.00	1446																												
CCV	1.00	1447																X												
CCB	1.00	1449																X												
BS101006	1.00	1451																X												
SS101006	1.00	1453																X												
LCSSD048	1.00	1455																X												
SSD048-D	1.00	1456																X												
775888	1.00	1458																X												
775888D	1.00	1500																X												
775888MS	1.00	1502																X												
773382	1.00	1503																X												
773383	1.00	1505																X												
CCV	1.00	1507																X												
CCB	1.00	1509																X												
773384	1.00	1510																X												
773385	1.00	1512																X												
773386	1.00	1514																X												
773387	1.00	1515																X												
773388	1.00	1517																X												
773389	1.00	1519																X												
773390	1.00	1521																X												
775883	1.00	1523																X												
775884	1.00	1525																X												
CCV	1.00	1527																X												
CCB	1.00	1529																X												
775886	1.00	1530																X												
775887	1.00	1532																X												
776294	1.00	1535																X												
776295	1.00	1537																X												

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: LEEMAN4_____ Method: CV

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
774771	1.00	1539																X									
774772	1.00	1540																X									
774773	1.00	1542																X									
774774	1.00	1544																X									
CCV	1.00	1546																X									
CCB	1.00	1547																X									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1036		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1042		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1047		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1053		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1058																												
ICV/CCV	1.00	1104		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB/CCB	1.00	1110		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.00	1115		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1121		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1126																												
ZZZZZZ	1.00	1135		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1141		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1147		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1152		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1158		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1203		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1209		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1215		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1220		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1226																												
ZZZZZZ	1.00	1233		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1239		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	3.00	1245		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1251		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1256		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	3.00	1302		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1307		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICSA	1.00	1313		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1319		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1324		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1330		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	2.00	1402																												
_____	_____	_____	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/10/06 End Date: 10/10/06

Lab Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	2.00	1407		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1413		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1419		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1424		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1430		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1435		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1441		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1447		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1452		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1458		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	1503		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ZZZZZZ	2.00	1509		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1515		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1520		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1526		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1531		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	2.00	1537		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
776294	2.00	1543		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
776295	2.00	1548		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ICSA	1.00	1554		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ICSAB	1.00	1559		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCV	1.00	1605		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	1610		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/11/06 End Date: 10/11/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO			
3CAL-BLK	1.00	1407		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X			
T3CAL1	1.00	1412		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X			
T3CAL2	1.00	1418		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X			
T3CAL3	1.00	1424		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1429		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ICV/CCV	1.00	1435		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICB/CCB	1.00	1440		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICSA	1.00	1446		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICSAB	1.00	1452		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ZZZZZZ	1.00	1457		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	1503		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
ZZZZZZ	1.00	1508		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			
775883	2.00	1517		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
775884	2.00	1522		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
775886	2.00	1528		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
775887	2.00	1533		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
775888	2.00	1539		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
CCV	1.00	1545		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
CCB	1.00	1550		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICSA	1.00	1556		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
ICSAB	1.00	1601		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
CCV	1.00	1607		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
CCB	1.00	1613		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_			
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ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/11/06 End Date: 10/11/06

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	1710		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1716		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	1722		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	1727		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1733																										
ICV/CCV	1.00	1738		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB/CCB	1.00	1744		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.00	1750		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1755		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1801		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1806		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1812		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1820		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1826		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1832		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1837		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1843		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1848		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1854		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1859																										
ZZZZZZ	1.00	1905		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1911		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1916		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1922		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1928		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1933		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1939		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1944		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1950		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1955		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2001		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	2007		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
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ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/11/06 End Date: 10/11/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	2012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2018		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2029		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2035		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2040		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2046		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2057		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	2103		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2108		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	2114		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2119		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2125		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICSA	1.00	2131		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	2136		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	2142		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2147		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
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ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21454_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 10/11/06 End Date: 10/12/06

Lab Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
SS101006	1.00	2153		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
BS101006	1.00	2159		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
LCSSD048	2.00	2204		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
SSD048-D	2.00	2210		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
776295D_	2.00	2215		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
776295L_	2.00	2221		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
776295MS	2.00	2227		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ__	2.00	2232																_									_
773382__	2.00	2238		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773383__	2.00	2244		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV_____	1.00	2249		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB_____	1.00	2255		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773384__	2.00	2300		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773385__	2.00	2306		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773386__	2.00	2312		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773387__	2.00	2317		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773388__	2.00	2323		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773389__	2.00	2328		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
773390__	2.00	2334		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
774771__	2.00	2340		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
774772__	2.00	2345		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
774773__	2.00	2351		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV_____	1.00	2357		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB_____	1.00	0002		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
774774__	2.00	0008		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA_____	1.00	0014		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB____	1.00	0019		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV_____	1.00	0025		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB_____	1.00	0030		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
_____	_____	_____	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
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STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

10/31/2006

Environ Corporation, Inc.
214 Carnegie Center, Suite 200
Princeton, NJ 08540

Attention: Mr. Bill Kraft

Laboratory Results
Job No. Y485 - Sun Chemical SI

Dear Mr. Kraft:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 17, 2006.

Lab No.	Client ID	Analysis Required
778385	MW01-061017	TCL VOA+10 PP Metals + Ba
778386	MW02-061017	TCL VOA+10 PP Metals + Ba
778387	MW03-061017	TCL VOA+10 PP Metals + Ba
778388	MW04-061017	TCL VOA+10 TCL BN+15 PP Metals + Ba
778389	MW05-061017	TCL VOA+10 PP Metals + Ba
778390	MW05D-061017	TCL VOA+10 PP Metals + Ba
778391	MW06-061017	TCL VOA+10 PP Metals + Ba
778392	MW07-061017	TCL VOA+10 PP Metals + Ba
778393	FB-061017	TCL VOA+10 PP Metals + Ba

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Laboratory Results
Job No. Y485 - Sun Chemical SI (cont'd)

Lab No.	Client ID	Analysis Required
778394	TB-061017	TCL VOA+10
778395	MW03-061017D	TCL VOA+10
		PP Metals + Ba

If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael Urban
Laboratory Manager

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Analytical Results Summary

Client ID: **MW01-061017**
Site: Sun Chemical SI

Lab Sample No: **778385**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79763.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	2.5J	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW01-061017**
Site: Sun Chemical SI

Lab Sample No: **778385**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79763.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW02-061017**
Site: Sun Chemical SI

Lab Sample No: **778386**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79764.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	0.6J	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	1.3J	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW02-061017**
Site: Sun Chemical SI

Lab Sample No: **778386**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79764.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW03-061017**
Site: Sun Chemical SI

Lab Sample No: **778387**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79775.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	25
Bromomethane	ND	25
Vinyl Chloride	5.7J	25
Chloroethane	ND	25
Methylene Chloride	30	15
Acetone	ND	25
Carbon Disulfide	ND	25
1,1-Dichloroethene	150	10
1,1-Dichloroethane	520	25
trans-1,2-Dichloroethene	ND	25
cis-1,2-Dichloroethene	ND	25
Chloroform	20 J	25
1,2-Dichloroethane	540	10
2-Butanone	ND	25
1,1,1-Trichloroethane	9.8J	25
Carbon Tetrachloride	ND	10
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	6.7	5.0
cis-1,3-Dichloropropene	ND	25
Trichloroethene	ND	5.0
Dibromochloromethane	ND	25
1,1,2-Trichloroethane	3.6J	15
Benzene	18	5.0
trans-1,3-Dichloropropene	ND	25
Bromoform	ND	20
4-Methyl-2-Pentanone	ND	25
2-Hexanone	ND	25
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND	25
Chlorobenzene	ND	25
Ethylbenzene	ND	20
Styrene	ND	25
Xylene (Total)	ND	25

Client ID: **MW03-061017**
Site: Sun Chemical SI

Lab Sample No: **778387**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79775.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79766.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	4.6J	5.0
1,1-Dichloroethene	15	2.0
1,1-Dichloroethane	22	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	0.8J	5.0
1,2-Dichloroethane	26	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	4.6J	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	4.2	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	0.9J	3.0
Benzene	1.5	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79766.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW05-061017**
Site: Sun Chemical SI

Lab Sample No: **778389**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79767.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	0.7J	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05-061017**
Site: Sun Chemical SI

Lab Sample No: **778389**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79767.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW05D-061017**
Site: Sun Chemical SI

Lab Sample No: **778390**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79768.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	10	5.0
1,2-Dichloroethane	1.3J	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	0.7J	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05D-061017**
Site: Sun Chemical SI

Lab Sample No: **778390**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79768.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Propane, 2-methoxy-2-methyl-	6.56	32	
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TOTAL ESTIMATED CONCENTRATION 32

Client ID: **MW06-061017**
Site: Sun Chemical SI

Lab Sample No: **778391**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79852.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW06-061017**
Site: Sun Chemical SI

Lab Sample No: **778391**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79852.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

Client ID: **MW07-061017**
Site: Sun Chemical SI

Lab Sample No: **778392**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79853.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW07-061017**
Site: Sun Chemical SI

Lab Sample No: **778392**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79853.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **FB-061017**
Site: Sun Chemical SI

Lab Sample No: **778393**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79761.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **FB-061017**
Site: Sun Chemical SI

Lab Sample No: **778393**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79761.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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16.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **TB-061017**
Site: Sun Chemical SI

Lab Sample No: **778394**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79762.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **TB-061017**
Site: Sun Chemical SI

Lab Sample No: **778394**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79762.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

Client ID: **MW03-061017D**
Site: Sun Chemical SI

Lab Sample No: **778395**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79776.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	25
Bromomethane	ND	25
Vinyl Chloride	5.8J	25
Chloroethane	ND	25
Methylene Chloride	32	15
Acetone	ND	25
Carbon Disulfide	ND	25
1,1-Dichloroethene	160	10
1,1-Dichloroethane	540	25
trans-1,2-Dichloroethene	ND	25
cis-1,2-Dichloroethene	ND	25
Chloroform	21 J	25
1,2-Dichloroethane	550	10
2-Butanone	ND	25
1,1,1-Trichloroethane	11 J	25
Carbon Tetrachloride	ND	10
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	7.1	5.0
cis-1,3-Dichloropropene	ND	25
Trichloroethene	ND	5.0
Dibromochloromethane	ND	25
1,1,2-Trichloroethane	3.1J	15
Benzene	20	5.0
trans-1,3-Dichloropropene	ND	25
Bromoform	ND	20
4-Methyl-2-Pentanone	ND	25
2-Hexanone	ND	25
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND	25
Chlorobenzene	ND	25
Ethylbenzene	ND	20
Styrene	ND	25
Xylene (Total)	ND	25

Client ID: **MW03-061017D**
Site: Sun Chemical SI

Lab Sample No: **778395**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79776.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28861.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28861.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28861.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown	10.88	160	
2.	Unknown	17.31	14	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 174

Client ID: **MW01-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778385
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	66.4	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	5.7	2.8	B	P
Copper	8.2	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	20.6	3.9	B	P
Selenium	4.9	4.8	B	P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	15.4	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW02-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778386
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	261	1.3		P
Beryllium	0.24	0.10	B	P
Cadmium	ND	0.50		P
Chromium	33.9	2.8		P
Copper	22.2	3.1	B	P
Lead	18.5	2.2		P
Mercury	ND	0.10		CV
Nickel	70.3	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	34.6	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW03-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778387
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	5.0	4.5	B	P
Barium	72.2	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	21.3	2.8		P
Copper	15.2	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	330	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	19.7	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW04-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778388
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	91.5	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	3.2	2.8	B	P
Copper	5.8	3.1	B	P
Lead	2.9	2.2	B	P
Mercury	ND	0.10		CV
Nickel	91.9	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	9.9	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778389
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	17.7	4.5		P
Barium	239	1.3		P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	5.2	2.8	B	P
Copper	9.7	3.1	B	P
Lead	20.6	2.2		P
Mercury	ND	0.10		CV
Nickel	32.5	3.9	B	P
Selenium	6.5	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	24.1	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05D-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778390
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	623	1.3		P
Beryllium	0.57	0.10	B	P
Cadmium	ND	0.50		P
Chromium	15.5	2.8		P
Copper	33.8	3.1		P
Lead	12.6	2.2		P
Mercury	ND	0.10		CV
Nickel	41.7	3.9		P
Selenium	5.4	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	34.7	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW06-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778391
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	164	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	4.9	2.8	B	P
Copper	5.6	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	98.5	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	10.0	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW07-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778392
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	173	1.3	B	P
Beryllium	0.23	0.10	B	P
Cadmium	ND	0.50		P
Chromium	14.9	2.8		P
Copper	12.7	3.1	B	P
Lead	4.8	2.2		P
Mercury	ND	0.10		CV
Nickel	84.1	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	23.2	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **FB-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778393
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	ND	1.3		P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	ND	2.8		P
Copper	ND	3.1		P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	ND	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	ND	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW03-061017D**
Site: **Sun Chemical SI**

Lab Sample No: 778395
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	73.4	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	22.2	2.8		P
Copper	14.3	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	319	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	19.7	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

Y485

STL Edison

38

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 2

Name (for report and invoice): Bill Kraft	Sampler's Name (Printed): T. Tompkins/M. Utley	Site/Project Identification: Sun Chemical : Staten Island
Company: ENVIRON	P.O. #: 21-16443A	State (Location of Site): NJ: ☐ NY: ☒ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: 609-243-9800 Fax: 609-452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	PP Metals + Barium	VOCs	SVOCs	LAB USE ONLY Sample Numbers
MW01-061017	10/17/06	1120	GW	4	X	X		778385
MW02-061017		1450		4	X	X		778386
MW03-061017		0942		4	X	X		778387
MW04-061017		1538		5	X	X	X	778388
MW05-061017		1307		4	X	X		778389
MW05D-061017		1409		4	X	X		778390
MW06-061017		1030		4	X	X		778391
MW07-061017		1153		4	X	X		778392
FB-061017		1540	Aq	3	X	X		778393
TB-061017		1541	Aq	2		X		778394
			Soil:					
			Water:		4	2		

Project No.

Job No. 1485

Sample Numbers

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____

Special Instructions _____ Cooler Temp: 2° Water Metals Filtered (Yes/No)? _____

	Company	Date/Time	Received by	Company
Relinquished by 1. Meg Utley	ENVIRON	10/17/06 1655	Received by	
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

Y485

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Bill Kropt	Sampler's Name (Printed): T. Tompkins/M. Utley	Site/Project Identification: Sun Chemical: Staten Island
Company: ENVIRON	P.O. #: 21-164434	State (Location of Site): NJ: ☐ NY: ☐ Other:
Address: 214 Carnegie Center	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Princeton State: NJ Zip: 08540	Rush Charges Authorized For: 1 Week ☐ 3 Day ☒ Other ☐	
Phone: (609) 452-9000 Fax: (609) 452-0284		

Sample Identification	Date	Time	Matrix	No. of Cont.	VOCs	PP Metals (Boron)	LAB USE ONLY Sample Numbers
MW03-061017D	10/17/06	0942	GW	4	X	X	778395

Project No.: Job No. 4485

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____

	VOCs	PP Metals (Boron)
Soil:	2	4
Water:		

Special Instructions _____ Cooler Temp: 2° Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date/Time	Received by	Company
1. [signature]	ENVIRON	10/17/06 4:55pm	[signature] TR	
2.				
3.				
4.				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y485 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

VOAMS

WATER - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
778385	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778386	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778387	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778388	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778389	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778390	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778391	10/17/2006	10/17/2006			10/24/2006	Zhang, Yannong	3749
778392	10/17/2006	10/17/2006			10/24/2006	Zhang, Yannong	3749
778393	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778394	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749
778395	10/17/2006	10/17/2006			10/19/2006	Martinez, Eddie	3749

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y485 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc.

BNAMS

WATER - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
778388	10/17/2006	10/17/2006	10/18/2006	Ladao, Rodger	10/20/2006	Vanaman, Susan	4309

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	Y485	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/17/2006
Sample No.:	778385	**Date Received:**	10/17/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

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Job No: Y485 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/17/2006

Sample No.: 778386 **Date Received:** 10/17/2006

Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	Y485	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/17/2006
Sample No.:	778387	**Date Received:**	10/17/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
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Job No:	Y485	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/17/2006
Sample No.:	778388	**Date Received:**	10/17/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	Y485	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/17/2006
Sample No.:	778389	**Date Received:**	10/17/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y485 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/17/2006

Sample No.: 778390 **Date Received:** 10/17/2006

Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y485 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/17/2006

Sample No.: 778391 **Date Received:** 10/17/2006

Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	Y485	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/17/2006
Sample No.:	778392	**Date Received:**	10/17/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	Y485	**Site:**	Sun Chemical SI
Client:	Environ Corporation, Inc.	**Date Sampled:**	10/17/2006
Sample No.:	778393	**Date Received:**	10/17/2006
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: Y485 **Site:** Sun Chemical SI

Client: Environ Corporation, Inc. **Date Sampled:** 10/17/2006

Sample No.: 778395 **Date Received:** 10/17/2006

Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/18/2006	Racin, Brian	10/18/2006	Racin, Brian	21516
ANTIMONY	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ARSENIC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BARIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
BERYLLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CADMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
CHROMIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
COPPER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
LEAD	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
NICKEL	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SELENIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
SILVER	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
THALLIUM	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516
ZINC	10/18/2006	Yang, Qin	10/20/2006	Maguire, Christopher	21516

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND/U - The compound was not detected at the indicated concentration.

B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

\+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: Y485

Client: Environ Corporation, Inc.

Date: 10/31/2006

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

All data conforms with method requirements.

Base/Neutral and/or Acid Extractable Organics (GC/MS):

Sample # 778388: S-Terphenyl-d14 surrogate std recovery is biased low (Insufficient volume to reextract sample). Sample extract reanalyzed confirming low recovery.

Metals:

All data conforms with method requirements.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **MW01-061017**
Site: Sun Chemical SI

Lab Sample No: **778385**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79763.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	2.5J	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW01-061017**
Site: Sun Chemical SI

Lab Sample No: **778385**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79763.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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23.				
24.				
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26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79763.d
Report Date: 24-Oct-2006 19:03

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79763.d
Lab Smp Id: 778385 Client Smp ID: MW01-061017
Inj Date : 19-OCT-2006 12:37
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778385
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

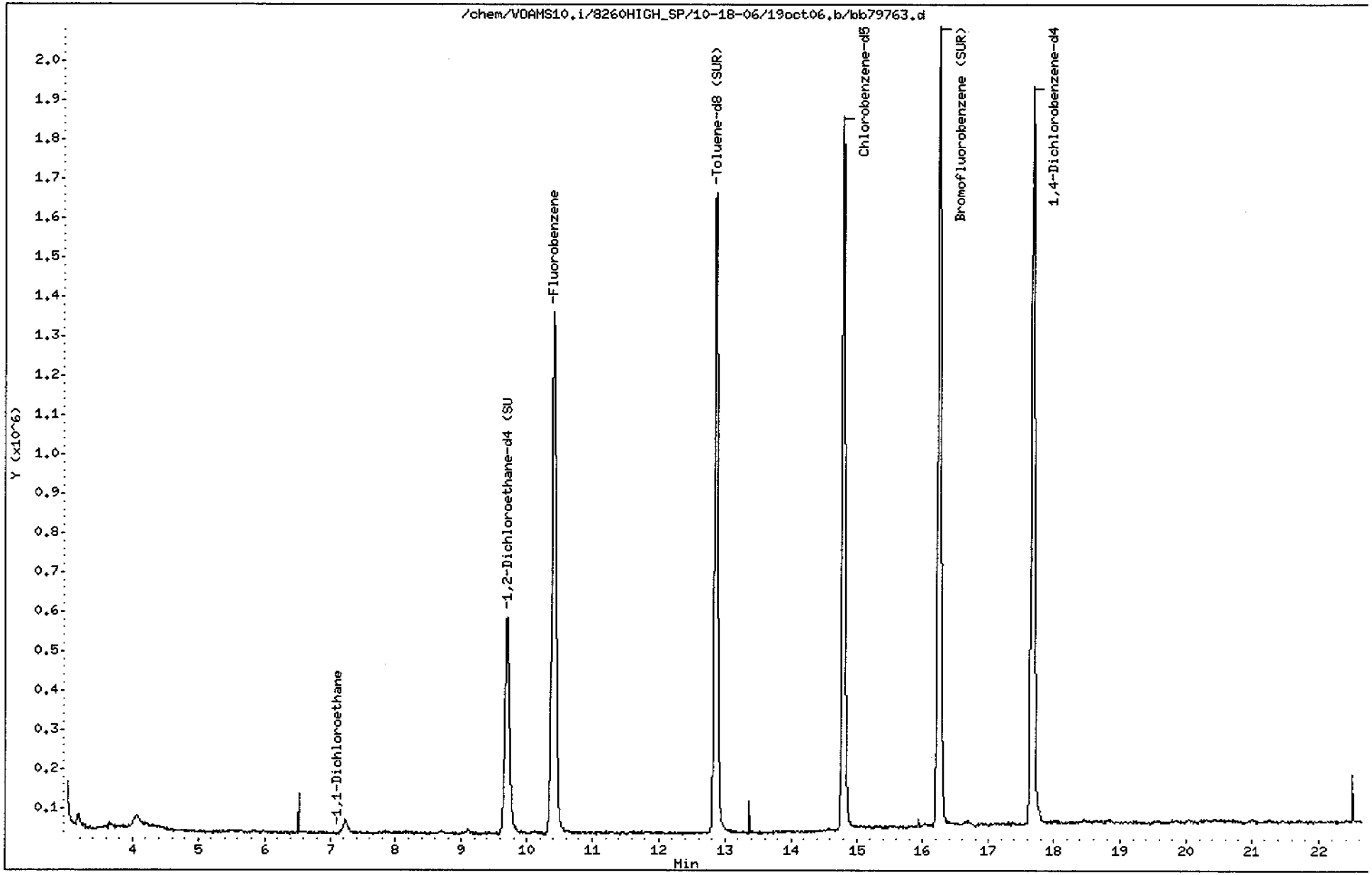
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
11 1,1-Dichloroethane	63	7.229	7.214	(0.695)	75333	2.52982	2.5(a)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.703	9.678	(0.933)	960814	54.3409	54
* 19 Fluorobenzene	96	10.402	10.398	(1.000)	2813995	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.856	12.841	(0.869)	2067909	50.2997	50
* 32 Chlorobenzene-d5	117	14.788	14.783	(1.000)	1665331	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	16.236	16.232	(0.919)	923423	51.6350	52
* 91 1,4-Dichlorobenzene-d4	152	17.665	17.661	(1.000)	959326	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79763.d
Date : 19-OCT-2006 12:37
Client ID: MW01-061017
Instrument: VOAMS10.i
Sample Info: 778385
Purge Volume: 5.0
Operator: VOAMS 3
Column phase: Rtx-VMS
Column diameter: 0.18



66
STL Edison
Y485

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79763.d

Date : 19-OCT-2006 12:37

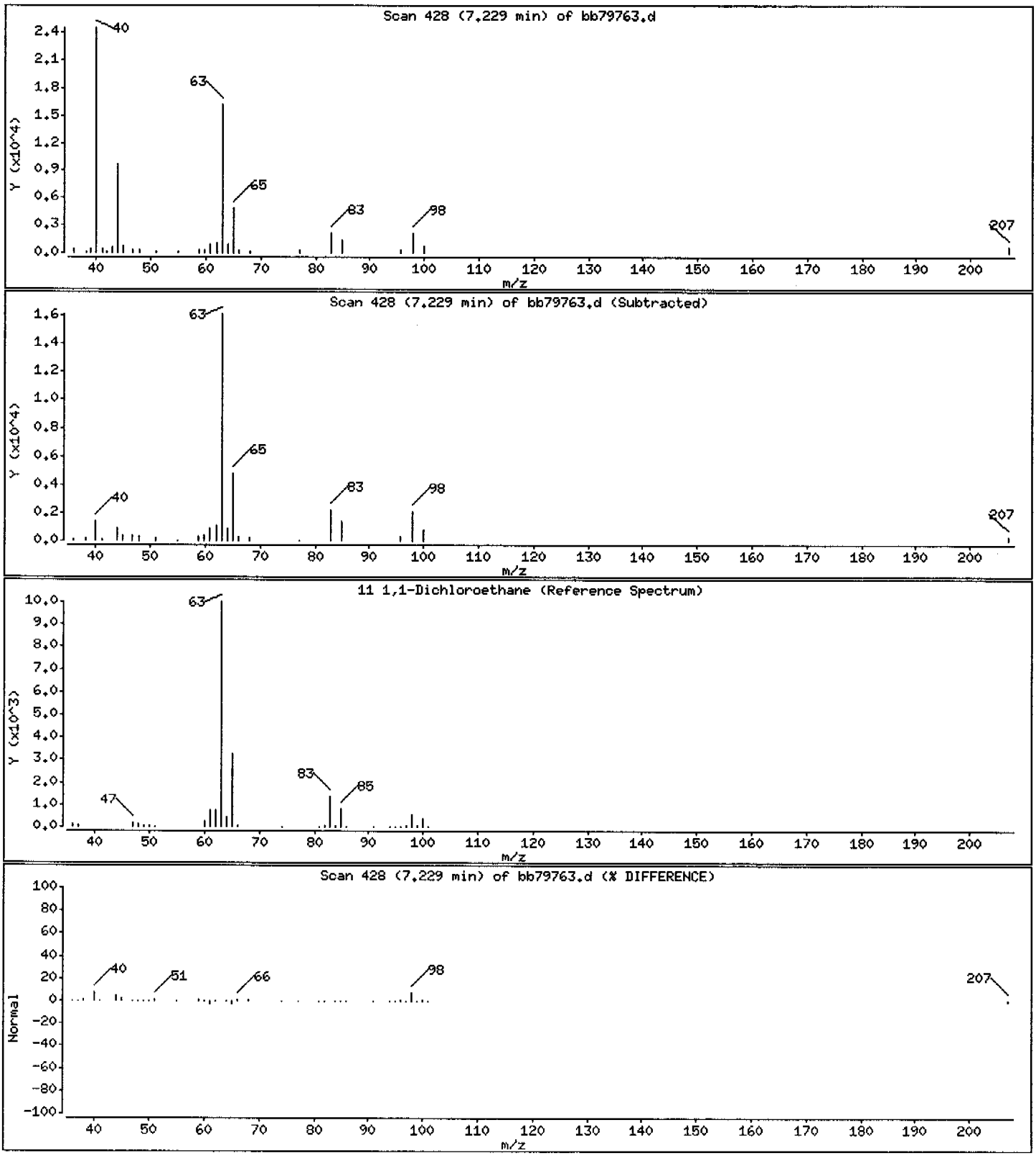
Client ID: MW01-061017 Instrument: VOAMS10.i

Sample Info: 778385

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

11 1,1-Dichloroethane Concentration: 2.5 ug/L



Client ID: **MW02-061017**
Site: Sun Chemical SI

Lab Sample No: **778386**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79764.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	0.6J	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	1.3J	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW02-061017**
Site: Sun Chemical SI

Lab Sample No: **778386**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79764.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: bb79764.d
Report Date: 24-Oct-2006 19:03

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79764.d
Lab Smp Id: 778386 Client Smp ID: MW02-061017
Inj Date : 19-OCT-2006 13:07
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778386
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

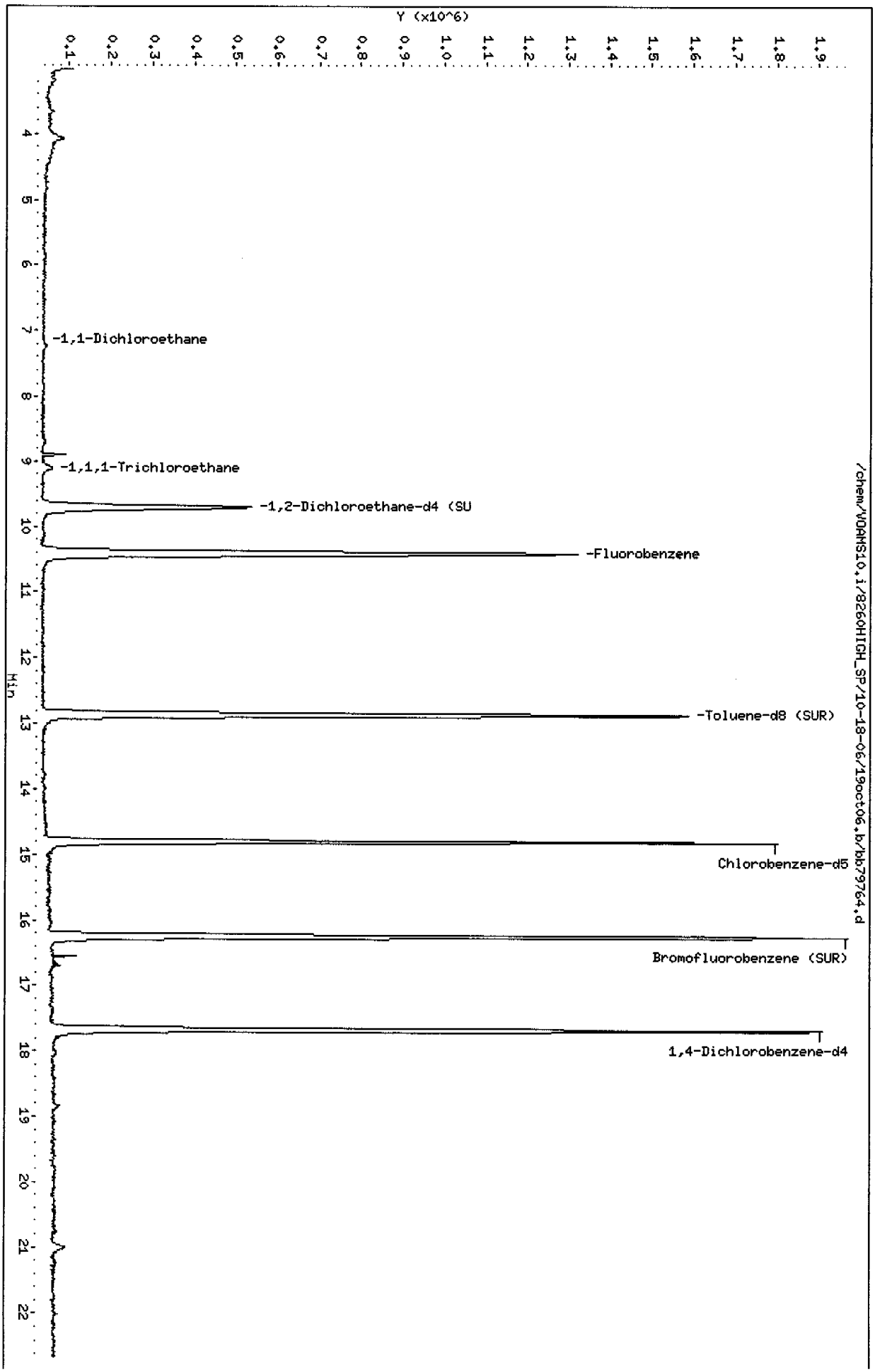
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	11 1,1-Dichloroethane	63	7.228	7.214	(0.694)	17535	0.60817	0.61(a)
	20 1,1,1-Trichloroethane	97	9.120	9.087	(0.876)	39987	1.30404	1.3(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.702	9.678	(0.932)	896394	52.3606	52
*	19 Fluorobenzene	96	10.411	10.398	(1.000)	2724614	50.0000	
$	37 Toluene-d8 (SUR)	98	12.855	12.841	(0.869)	1980165	48.8294	49
*	32 Chlorobenzene-d5	117	14.797	14.783	(1.000)	1642687	50.0000	
$	41 Bromofluorobenzene (SUR)	174	16.246	16.232	(0.920)	867710	48.9876	49
*	91 1,4-Dichlorobenzene-d4	152	17.665	17.661	(1.000)	950164	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).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Date : 19-OCT-2006 13:07
Client ID: MW02-061017
Sample Info: 778386
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
Min
-1,1-Dichloroethane
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79764.d

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79764.d

Date : 19-OCT-2006 13:07

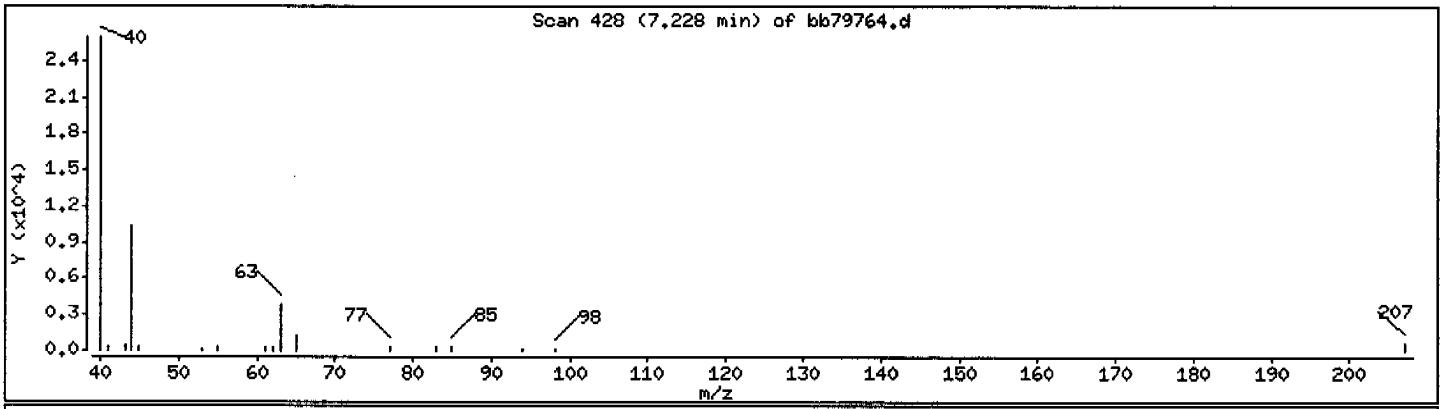
Client ID: MW02-061017 Instrument: VOAMS10.i

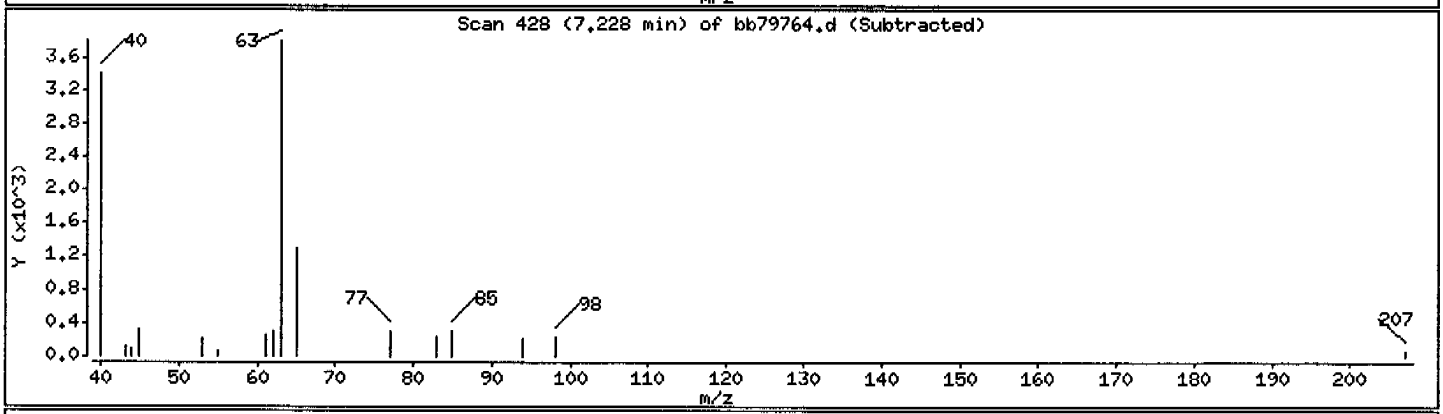
Sample Info: 778386

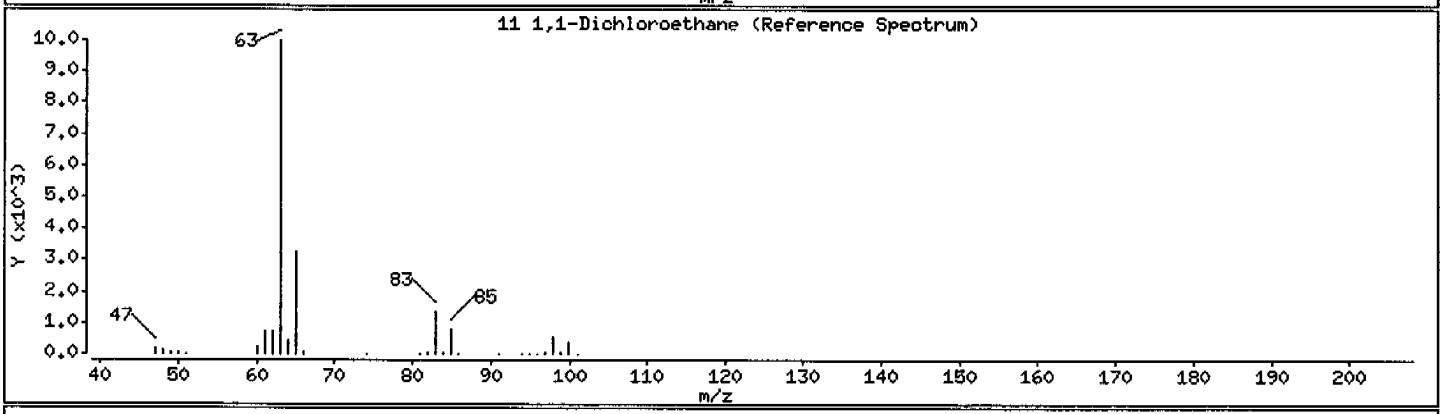
Purge Volume: 5.0 Operator: VOAMS 3

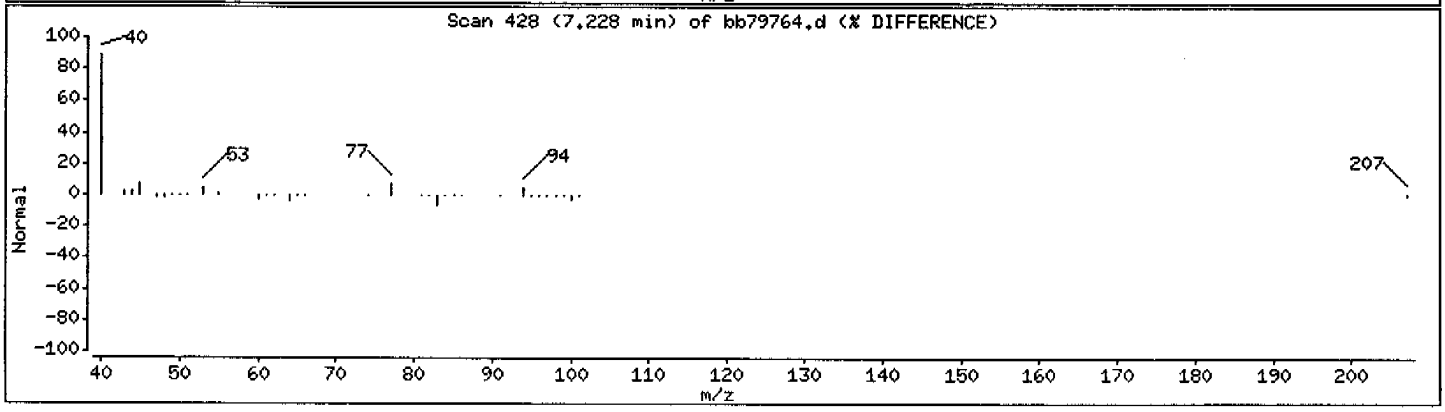
Column phase: Rtx-VMS Column diameter: 0.18

11 1,1-Dichloroethane Concentration: 0.61 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79764.d

Date : 19-OCT-2006 13:07

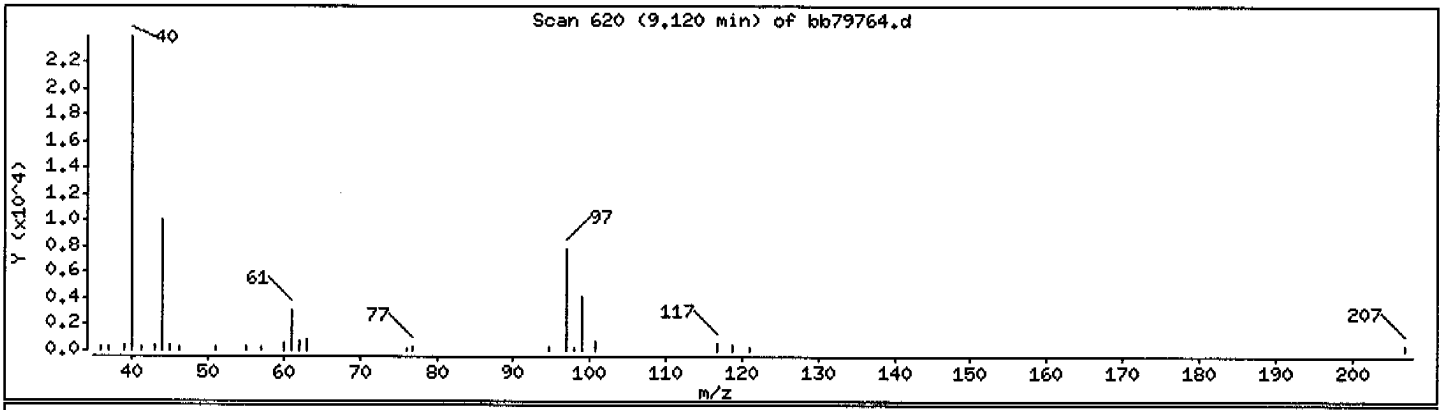
Client ID: MW02-061017 Instrument: VOAMS10.i

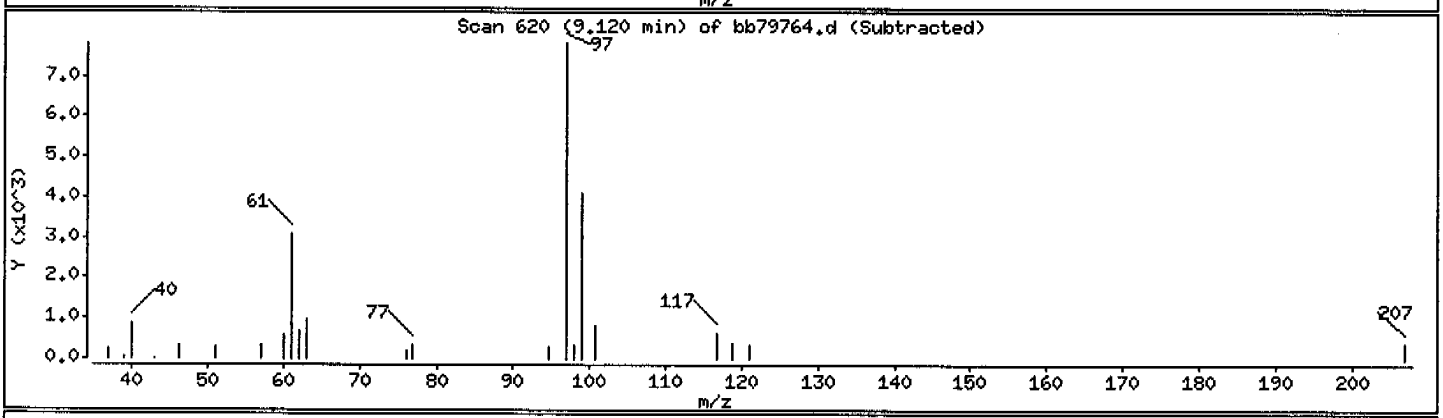
Sample Info: 778386

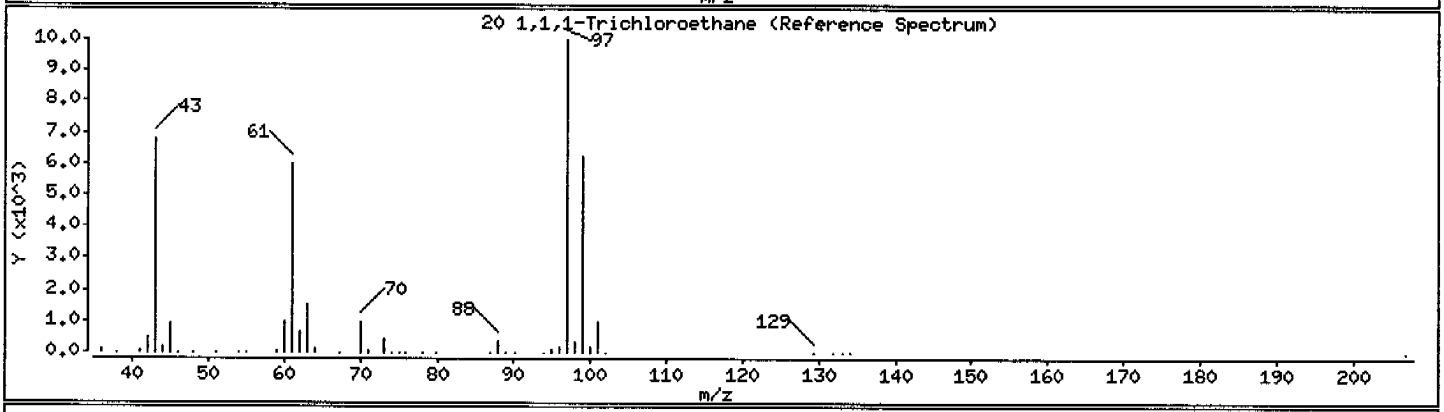
Purge Volume: 5.0 Operator: VOAMS 3

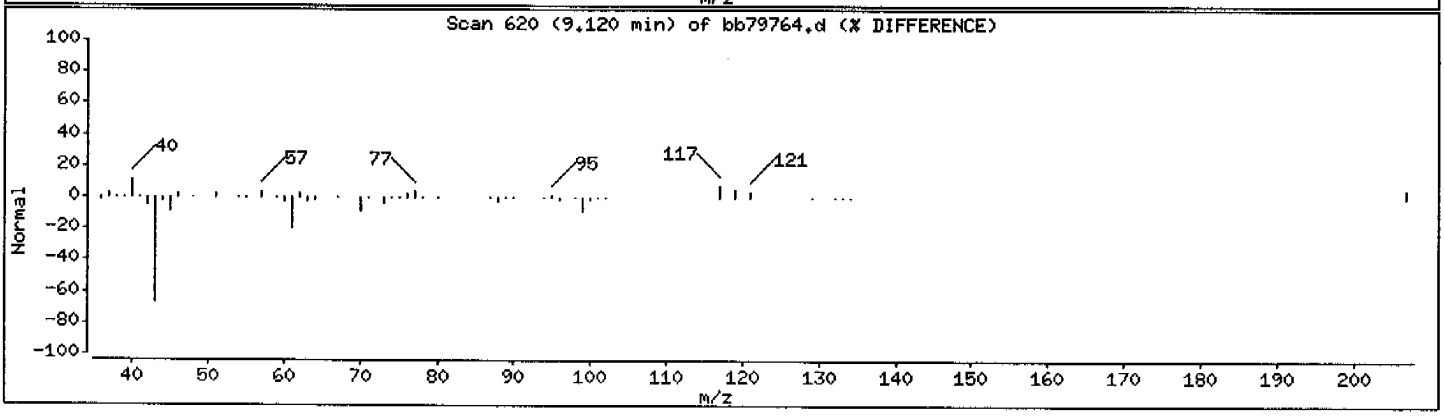
Column phase: Rtx-VMS Column diameter: 0.18

20 1,1,1-Trichloroethane Concentration: 1.3 ug/L









Client ID: **MW03-061017**
Site: Sun Chemical SI

Lab Sample No: **778387**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79775.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	25
Bromomethane	ND	25
Vinyl Chloride	5.7J	25
Chloroethane	ND	25
Methylene Chloride	30	15
Acetone	ND	25
Carbon Disulfide	ND	25
1,1-Dichloroethene	150	10
1,1-Dichloroethane	520	25
trans-1,2-Dichloroethene	ND	25
cis-1,2-Dichloroethene	ND	25
Chloroform	20 J	25
1,2-Dichloroethane	540	10
2-Butanone	ND	25
1,1,1-Trichloroethane	9.8J	25
Carbon Tetrachloride	ND	10
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	6.7	5.0
cis-1,3-Dichloropropene	ND	25
Trichloroethene	ND	5.0
Dibromochloromethane	ND	25
1,1,2-Trichloroethane	3.6J	15
Benzene	18	5.0
trans-1,3-Dichloropropene	ND	25
Bromoform	ND	20
4-Methyl-2-Pentanone	ND	25
2-Hexanone	ND	25
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND	25
Chlorobenzene	ND	25
Ethylbenzene	ND	20
Styrene	ND	25
Xylene (Total)	ND	25

Client ID: **MW03-061017**
Site: Sun Chemical SI

Lab Sample No: **778387**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79775.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79775.d
Report Date: 24-Oct-2006 19:04

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79775.d
Lab Smp Id: 778387 Client Smp ID: MW03-061017
Inj Date : 19-OCT-2006 18:34
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778387;5
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 3
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Vo	5.00000	SampleVolume

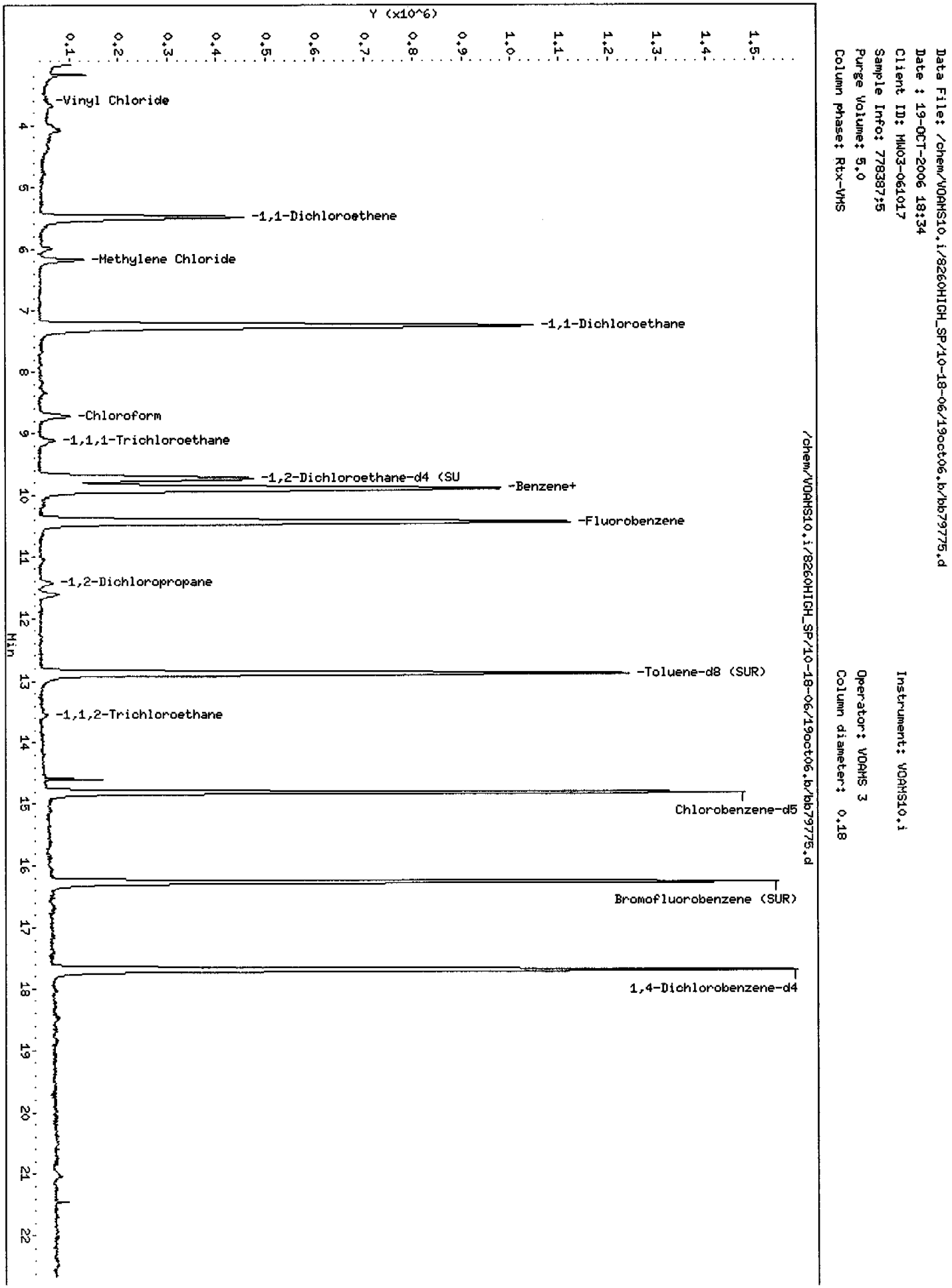
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	4 Vinyl Chloride	62	3.701	3.677	(0.355)	11036	1.13456	5.7(a)
	10 1,1-Dichloroethene	96	5.494	5.450	(0.527)	368602	30.8734	150
	6 Methylene Chloride	84	6.174	6.140	(0.592)	80219	6.03321	30
	11 1,1-Dichloroethane	63	7.248	7.214	(0.695)	2511069	103.235	520
	15 Chloroform	83	8.717	8.683	(0.836)	119181	4.07363	20(a)
	20 1,1,1-Trichloroethane	97	9.111	9.087	(0.873)	50842	1.96536	9.8(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.722	9.678	(0.932)	711130	49.2382	49
	28 Benzene	78	9.880	9.836	(0.947)	145977	3.68256	18
	17 1,2-Dichloroethane	62	9.890	9.846	(0.948)	1882908	107.863	540
*	19 Fluorobenzene	96	10.432	10.398	(1.000)	2298572	50.0000	
	23 1,2-Dichloropropane	63	11.427	11.403	(1.095)	20451	1.34386	6.7
$	37 Toluene-d8 (SUR)	98	12.876	12.841	(0.870)	1534079	46.5568	46
	27 1,1,2-Trichloroethane	83	13.546	13.531	(0.915)	8566	0.71624	3.6(a)
*	32 Chlorobenzene-d5	117	14.807	14.783	(1.000)	1334748	50.0000	
$	41 Bromofluorobenzene (SUR)	174	16.256	16.232	(0.919)	672150	45.4395	45
*	91 1,4-Dichlorobenzene-d4	152	17.685	17.661	(1.000)	793492	50.0000	

Data File: bb79775.d
Report Date: 24-Oct-2006 19:04

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79775.d
Date : 19-OCT-2006 18:34
Client ID: MW03-061017
Sample Info: 778387;5
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
-Vinyl Chloride
-1,1-Dichloroethene
-Methylene Chloride
-1,1-Dichloroethane
-Chloroform
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4 (SU
-Benzene+
-Fluorobenzene
-1,2-Dichloropropane
-Toluene-d8 (SUR)
-1,1,2-Trichloroethane
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79775.d

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79775.d

Date : 19-OCT-2006 18:34

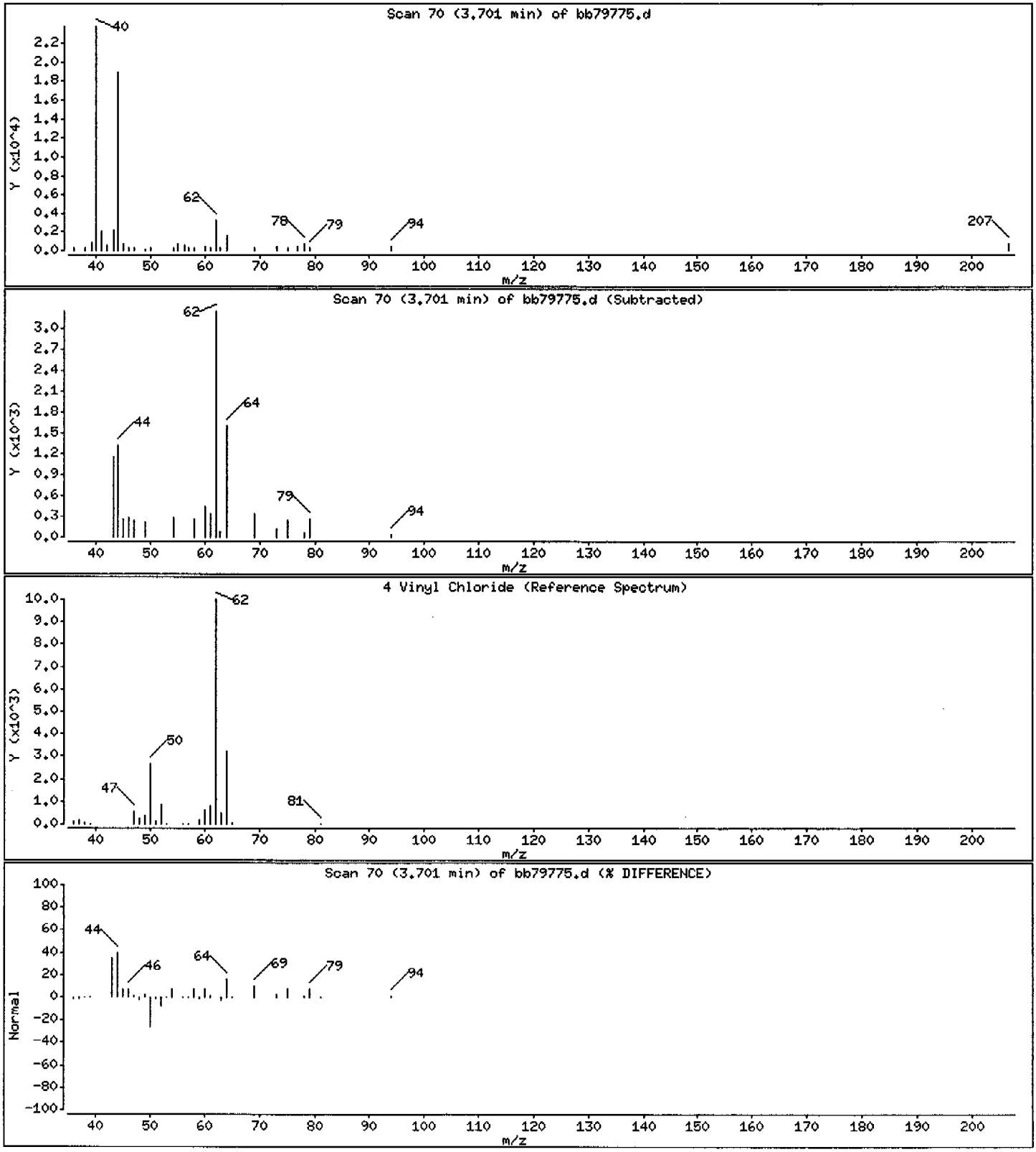
Client ID: MW03-061017 Instrument: VOAMS10.i

Sample Info: 778387;5

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

4 Vinyl Chloride Concentration: 5.7 ug/L



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Date : 19-OCT-2006 18:34

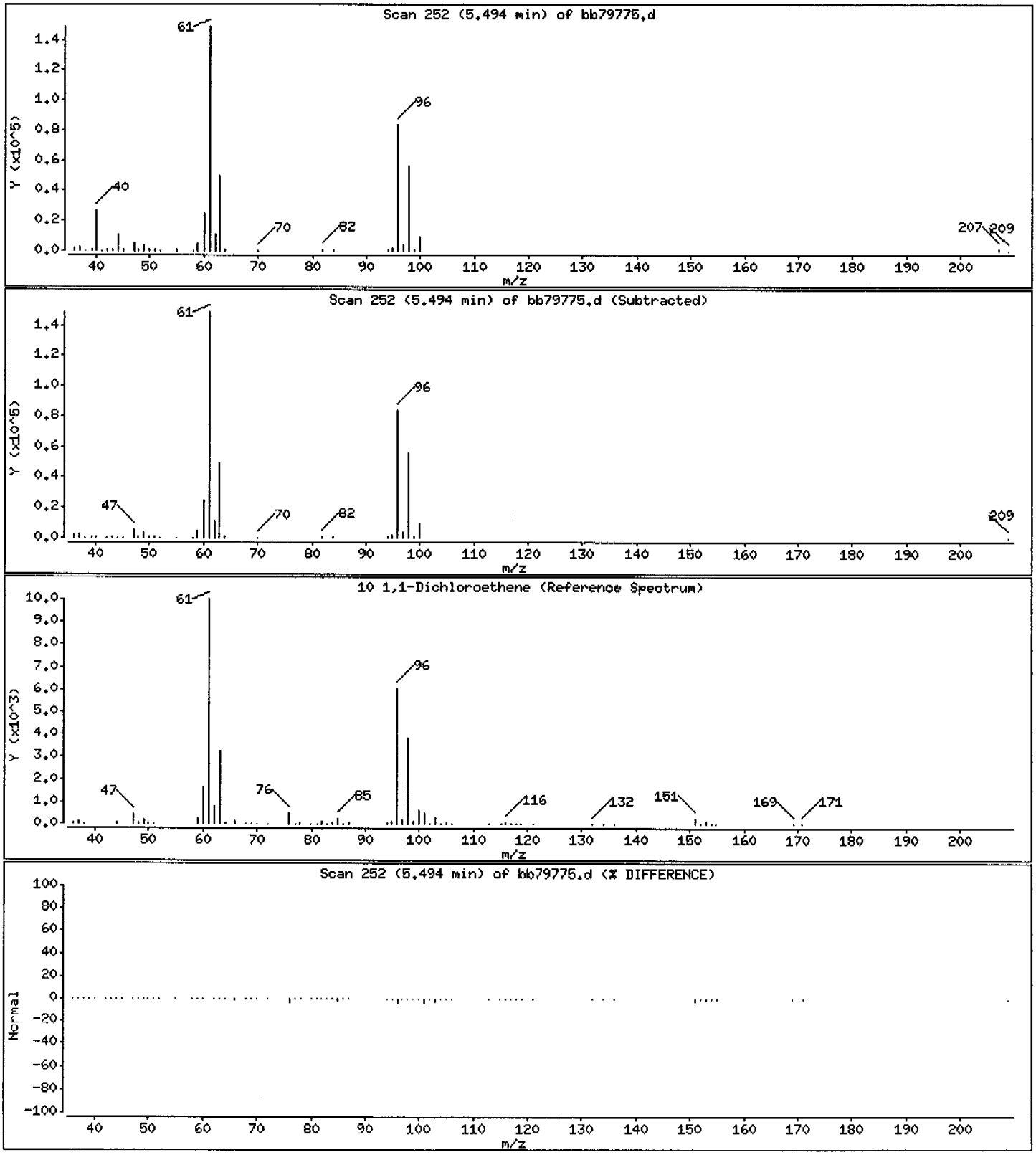
Client ID: MW03-061017 Instrument: VOAMS10.i

Sample Info: 778387;5

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

10 1,1-Dichloroethene Concentration: 150 ug/L



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Date : 19-OCT-2006 18:34

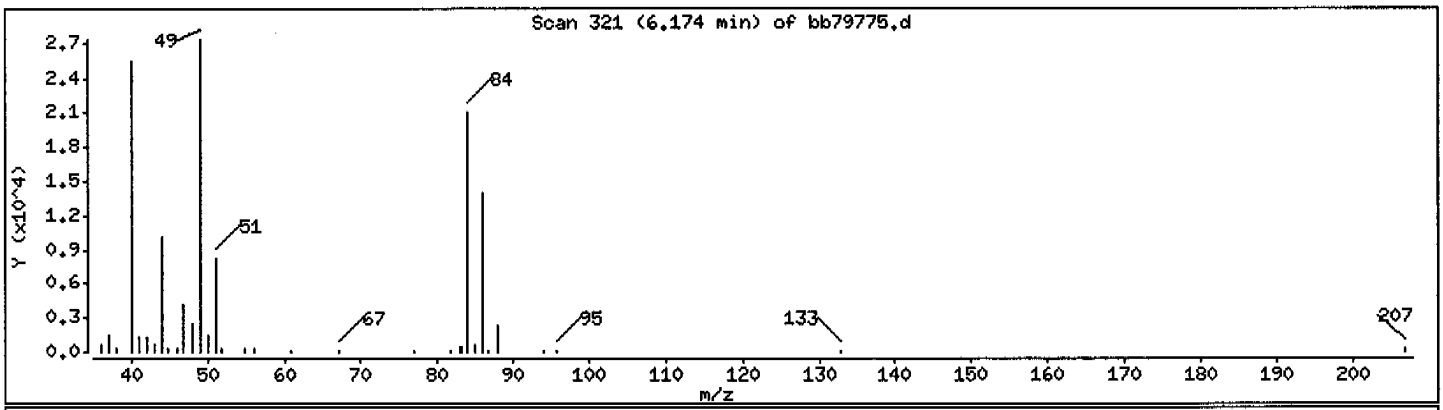
Client ID: MW03-061017 Instrument: VOAMS10.i

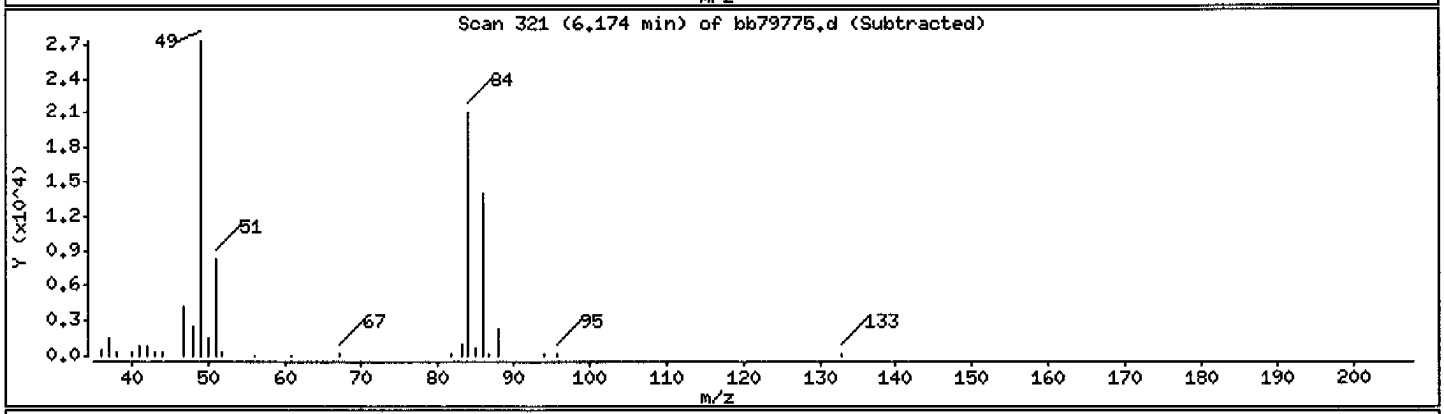
Sample Info: 778387;5

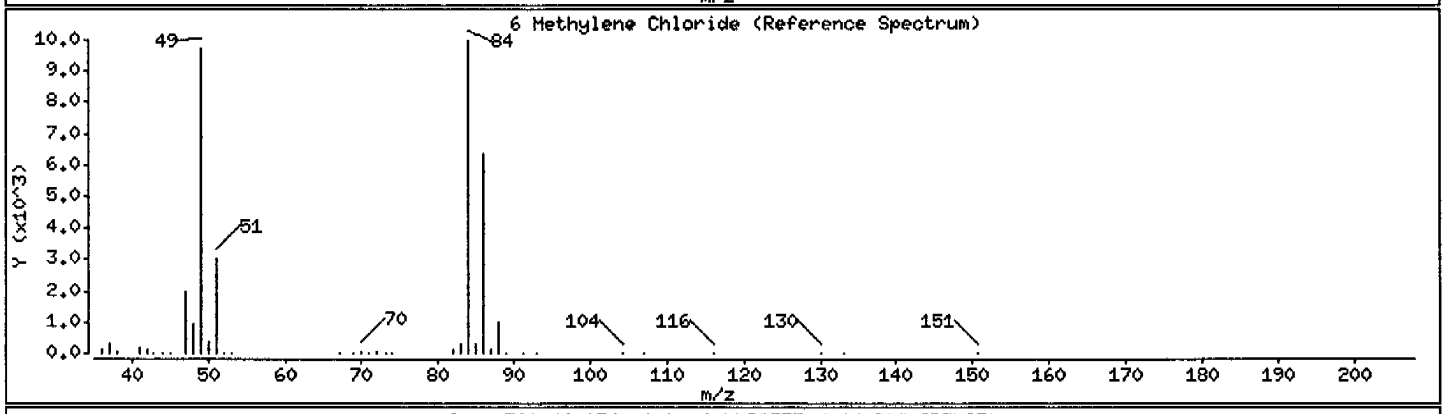
Purge Volume: 5.0 Operator: VOAMS 3

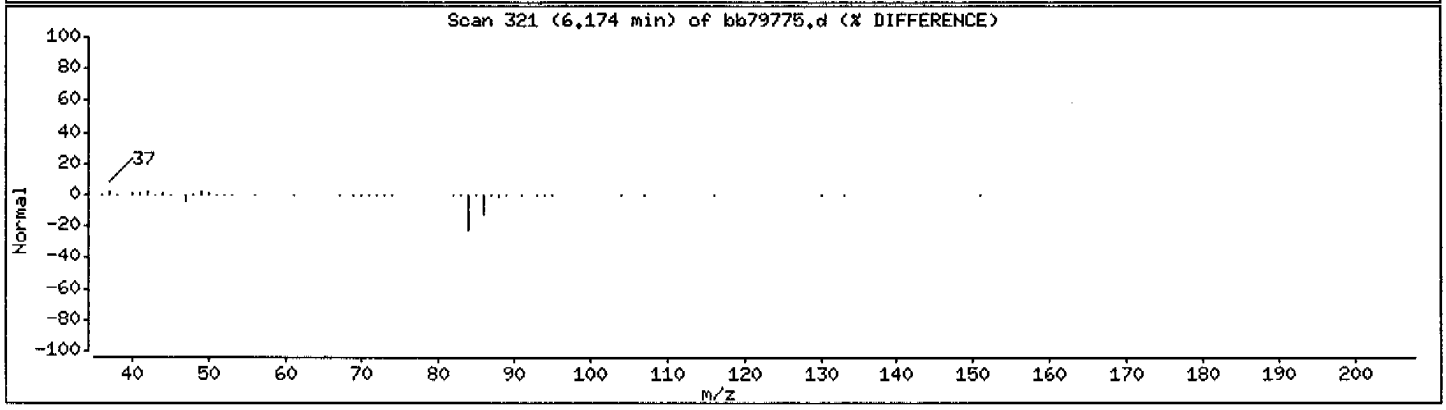
Column phase: Rtx-VMS Column diameter: 0.18

6 Methylene Chloride Concentration: 30 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79775.d

Date : 19-OCT-2006 18:34

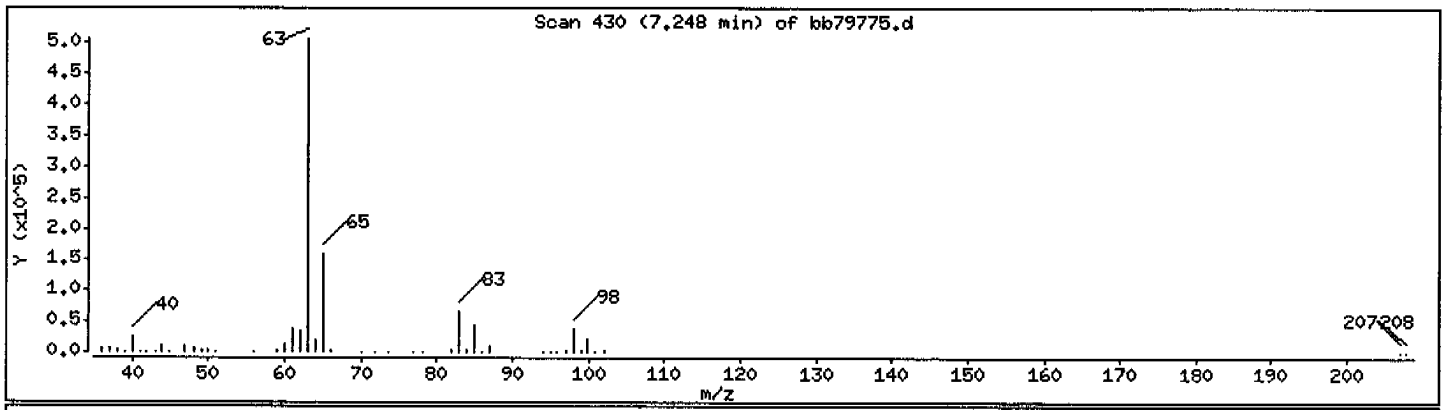
Client ID: MW03-061017 Instrument: VOAMS10.i

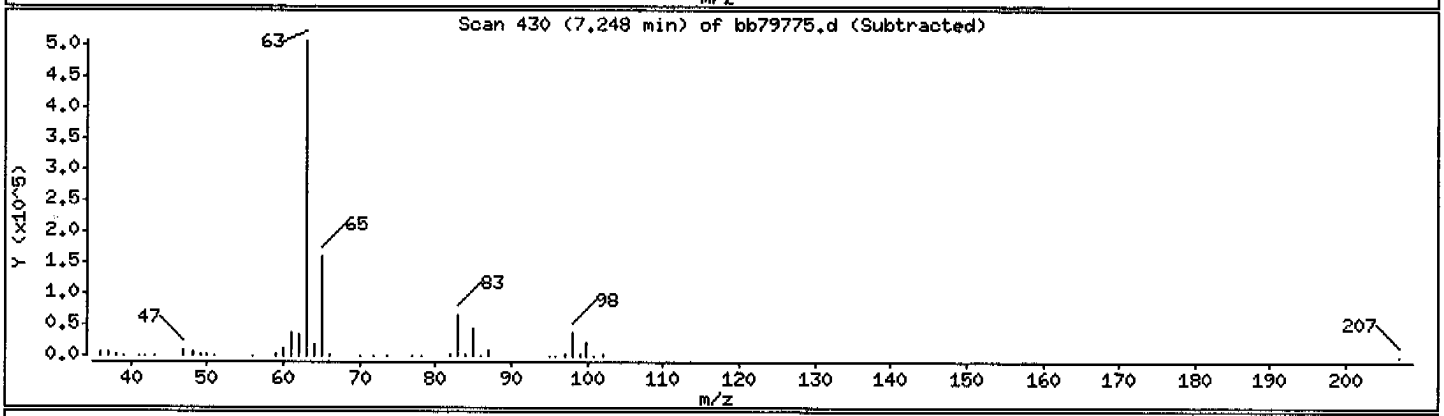
Sample Info: 778387;5

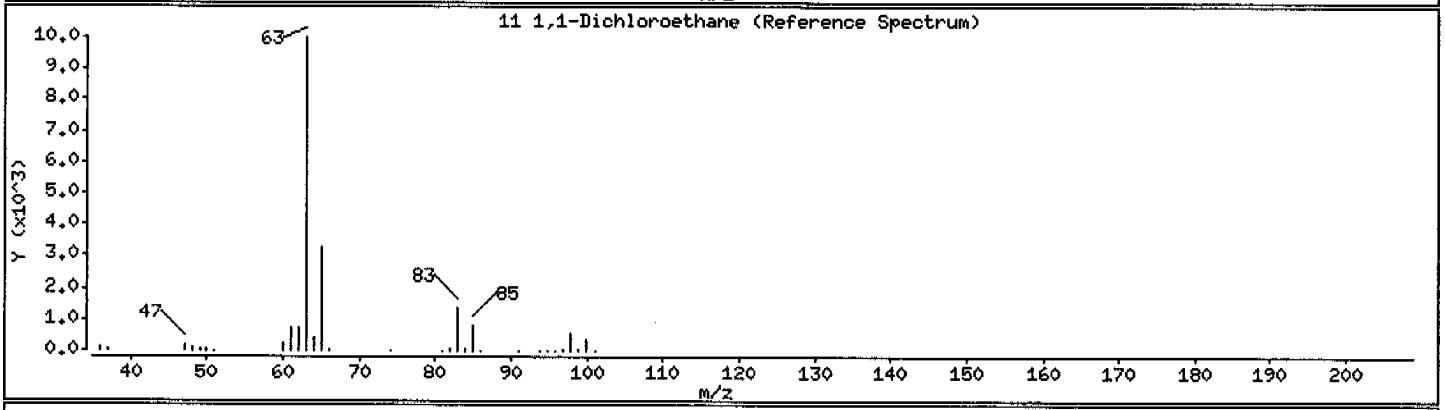
Purge Volume: 5.0 Operator: VOAMS 3

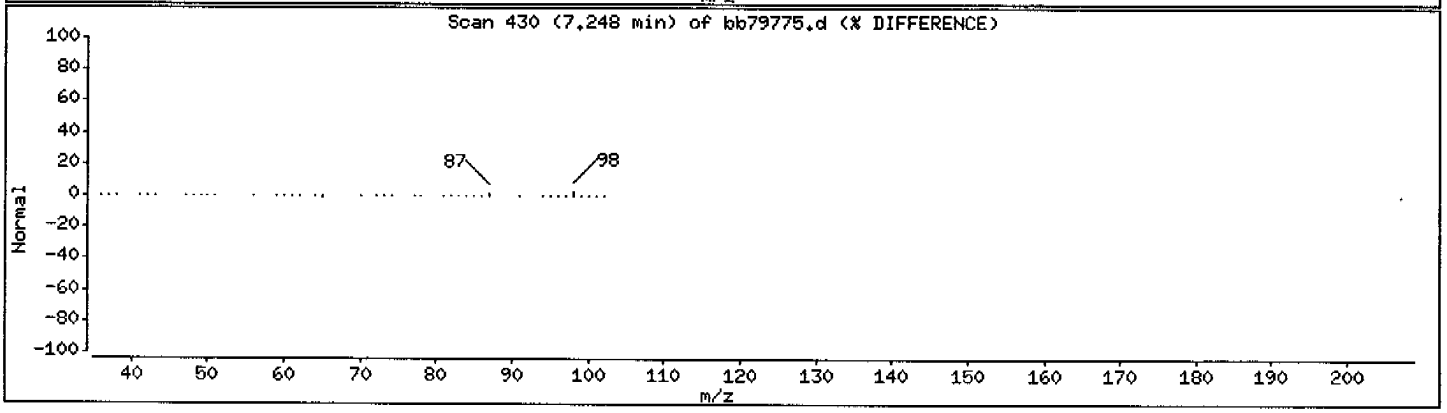
Column phase: Rtx-VMS Column diameter: 0.18

11 1,1-Dichloroethane Concentration: 520 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79775.d

Date : 19-OCT-2006 18:34

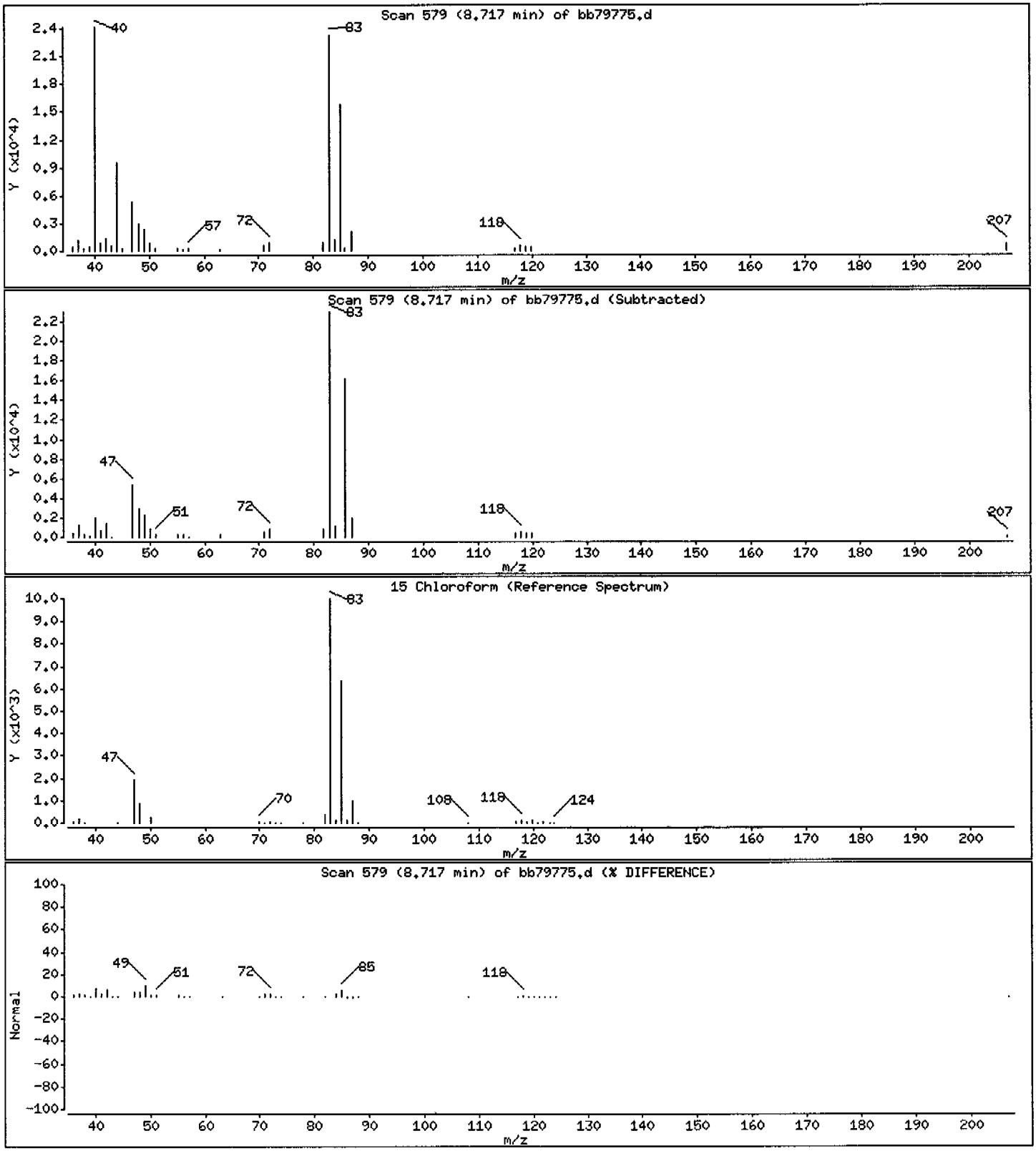
Client ID: MW03-061017 Instrument: VOAMS10.i

Sample Info: 778387;5

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

15 Chloroform Concentration: 20 ug/L



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Date : 19-OCT-2006 18:34

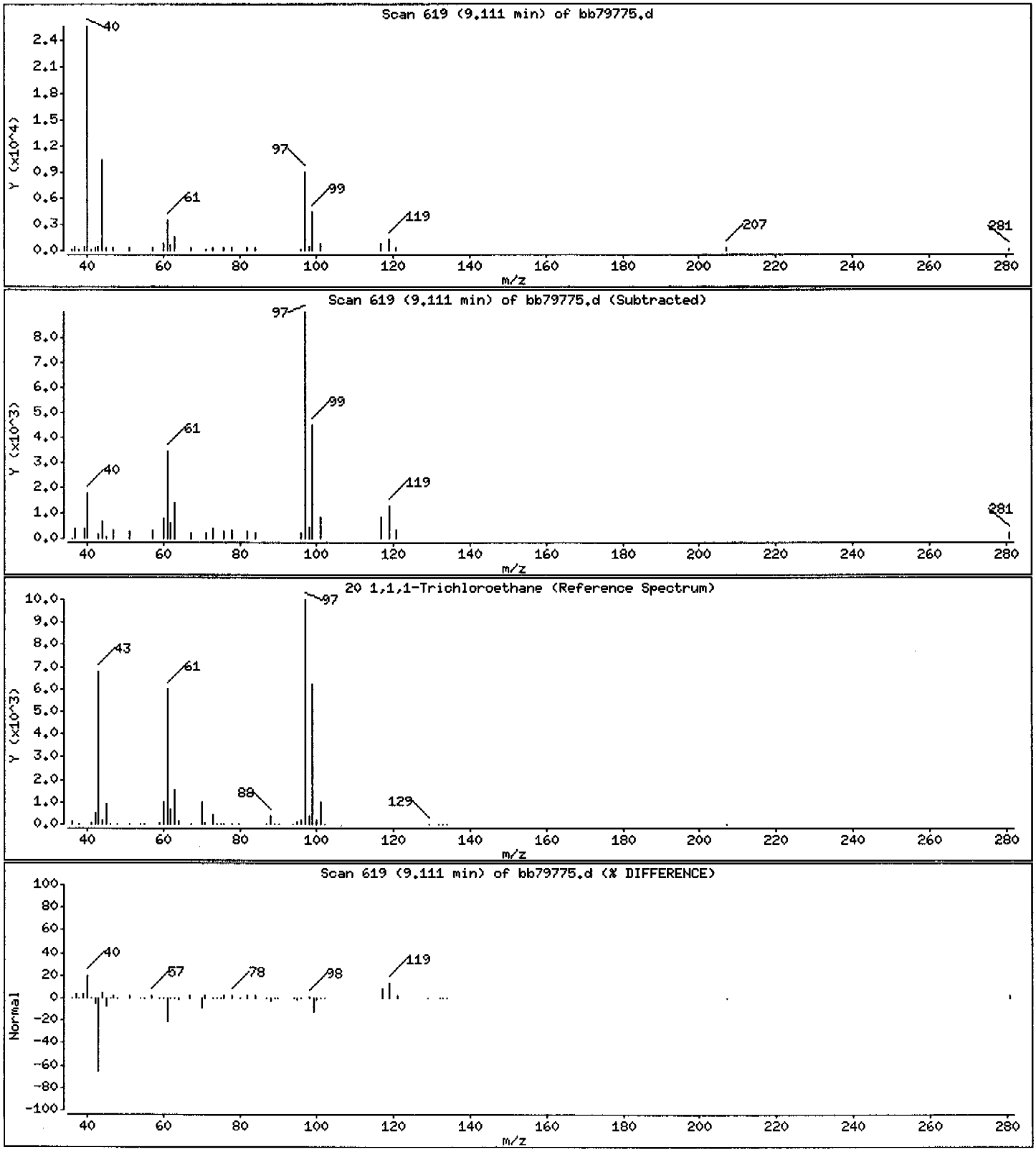
Client ID: MW03-061017 Instrument: VOAMS10.i

Sample Info: 778387;5

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

20 1,1,1-Trichloroethane Concentration: 9.8 ug/L



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Date : 19-OCT-2006 18:34

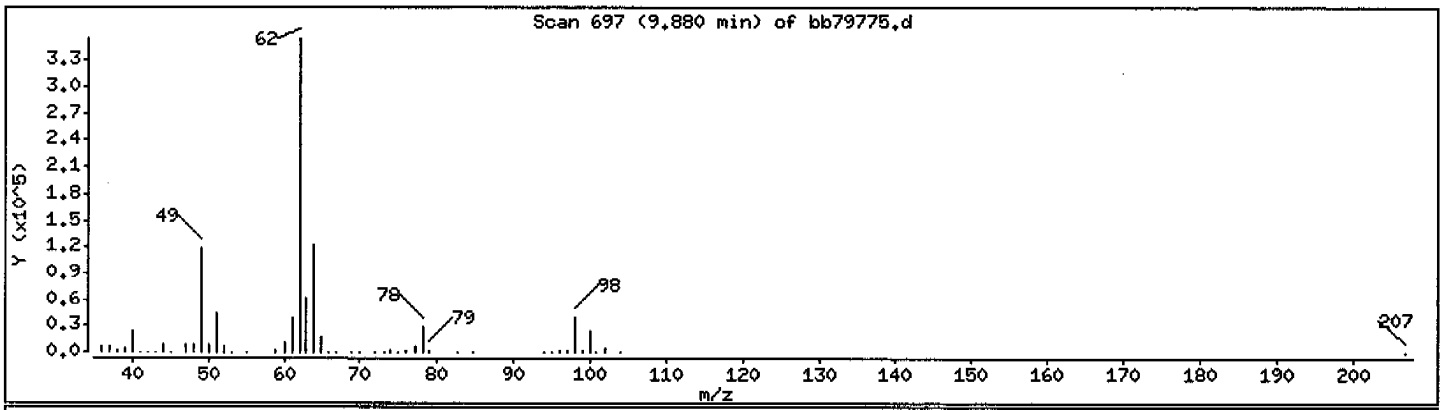
Client ID: MW03-061017 Instrument: VOAMS10.i

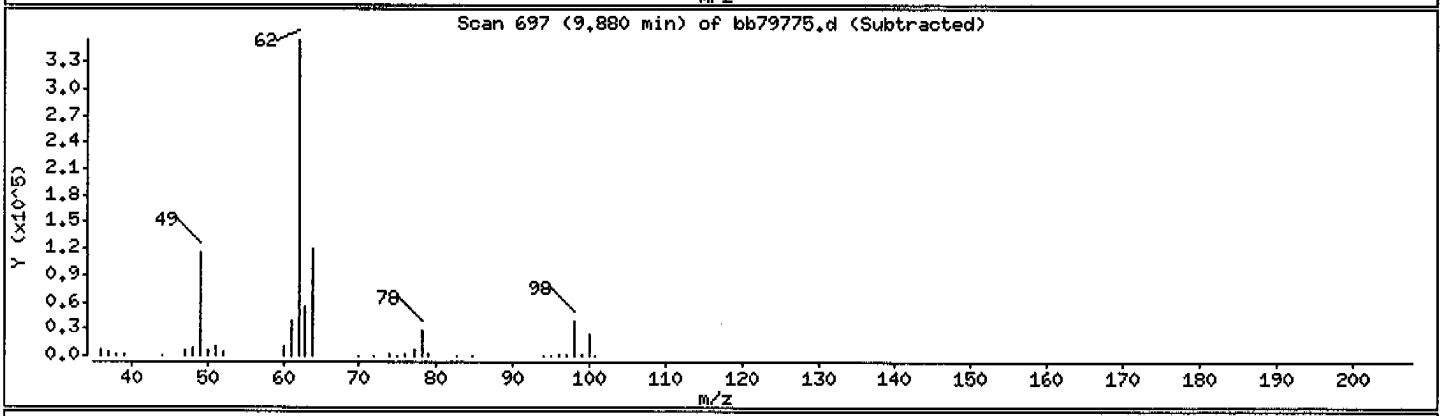
Sample Info: 778387;5

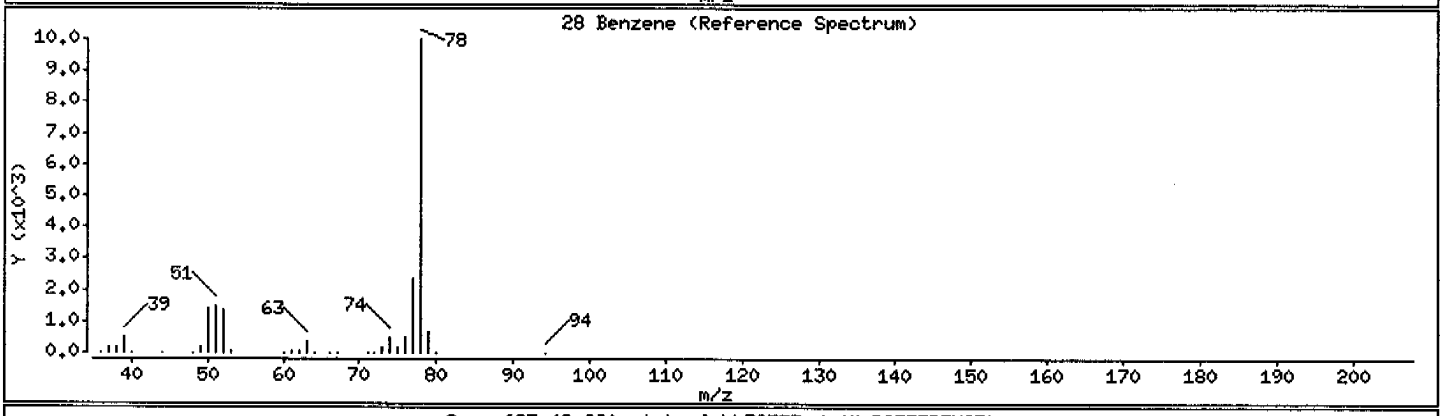
Purge Volume: 5.0 Operator: VOAMS 3

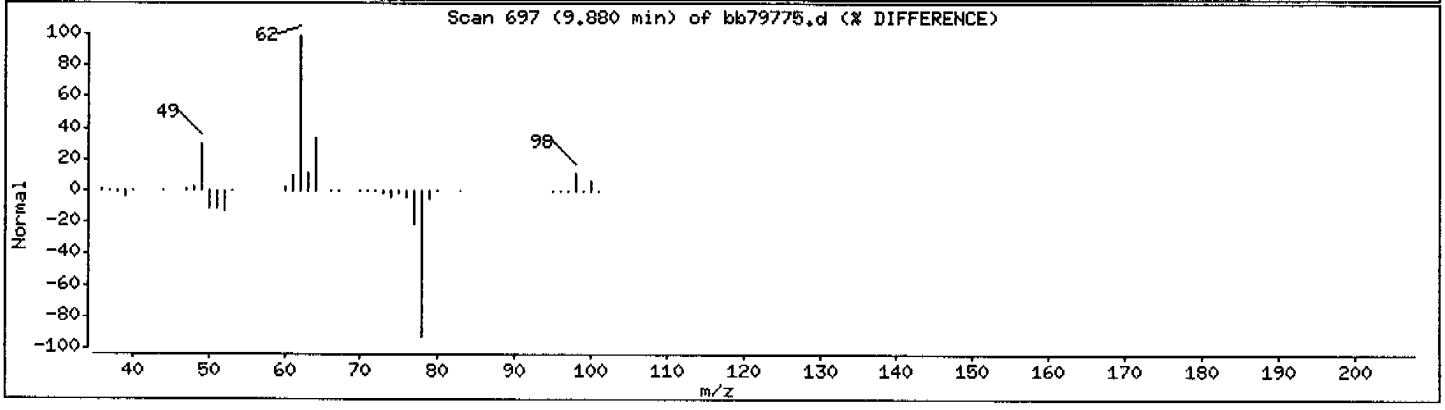
Column phase: Rtx-VMS Column diameter: 0.18

28 Benzene Concentration: 18 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79775.d

Date : 19-OCT-2006 18:34

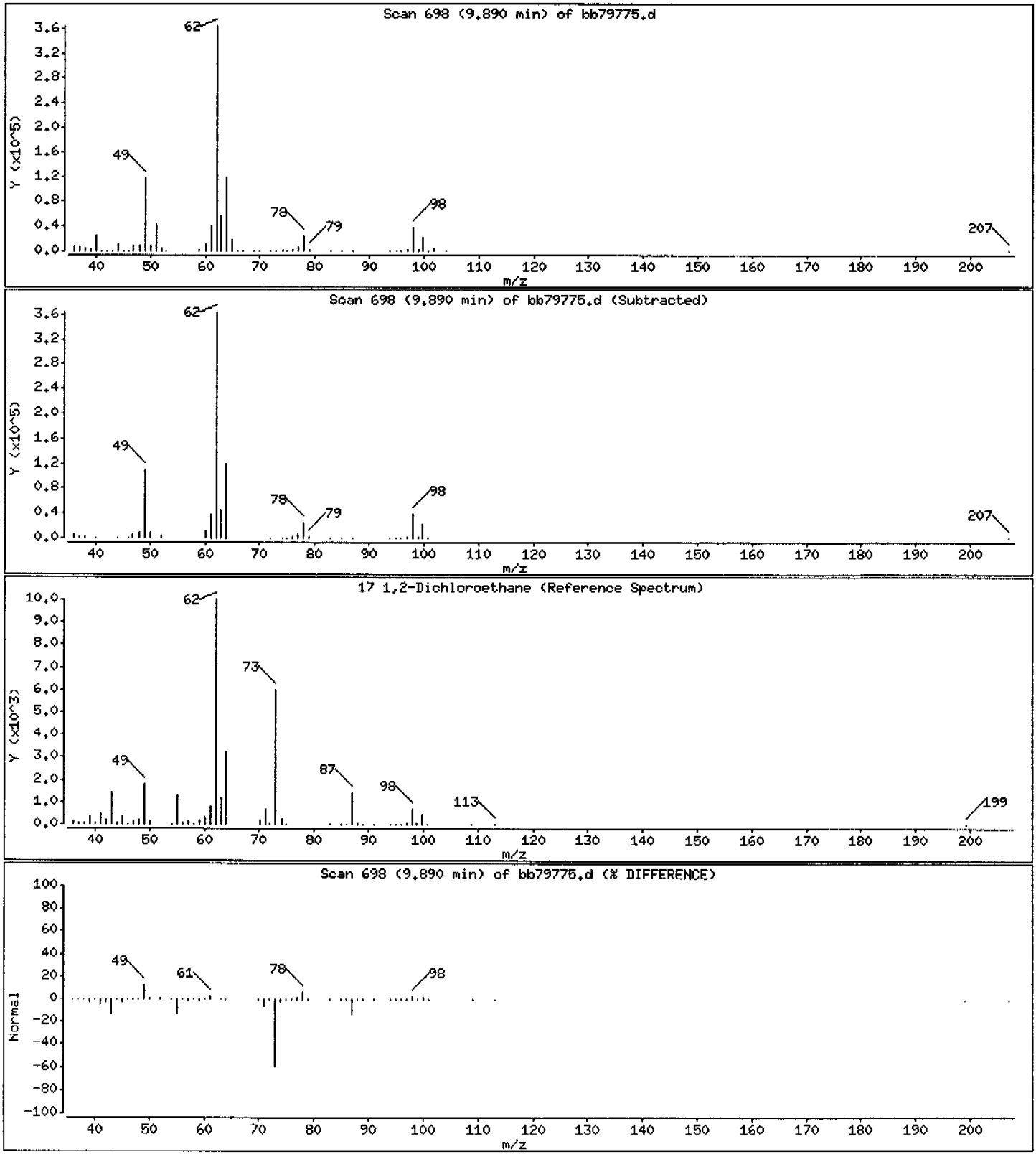
Client ID: MW03-061017 Instrument: VOAMS10.i

Sample Info: 778387;5

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

17 1,2-Dichloroethane Concentration: 540 ug/L



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Date : 19-OCT-2006 18:34

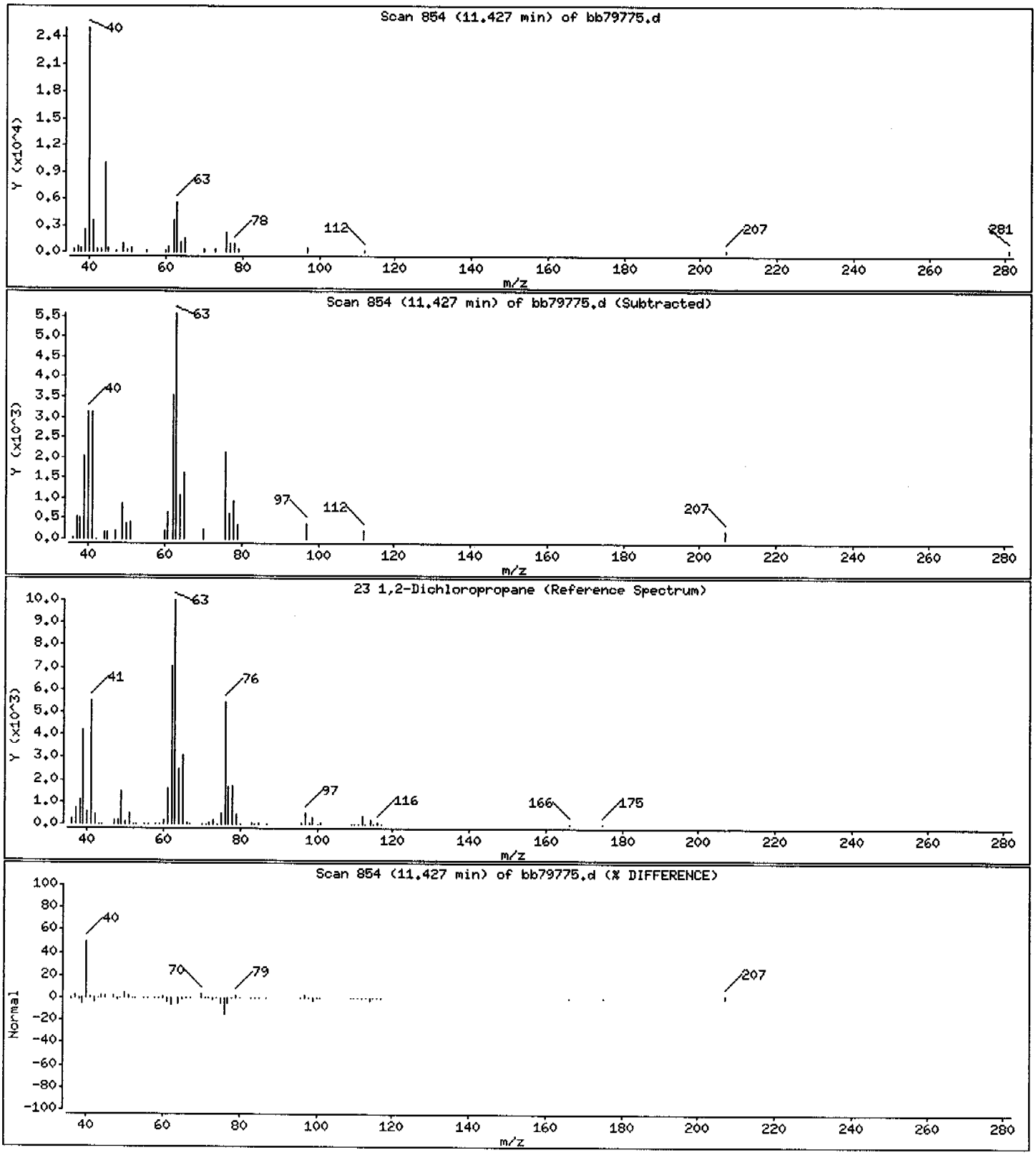
Client ID: MW03-061017 Instrument: VOAMS10.i

Sample Info: 778387;5

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

23 1,2-Dichloropropane Concentration: 6.7 ug/L



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Date : 19-OCT-2006 18:34

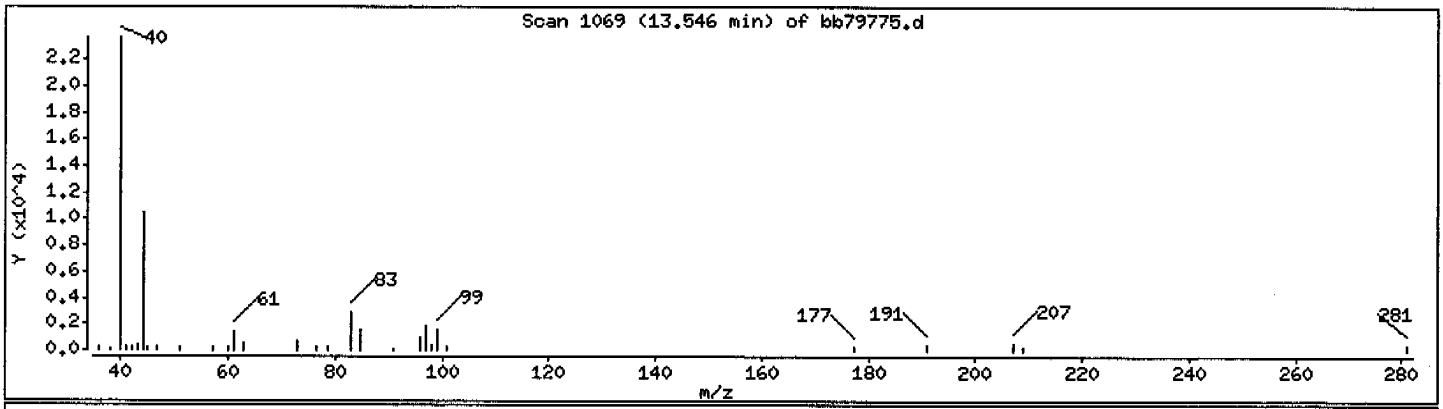
Client ID: MW03-061017 Instrument: VOAMS10.i

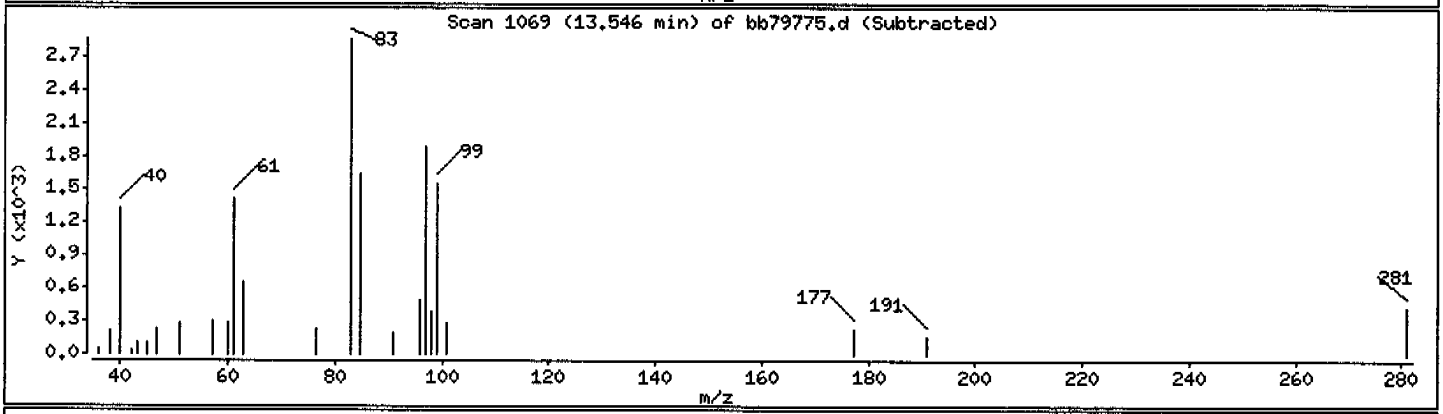
Sample Info: 778387:5

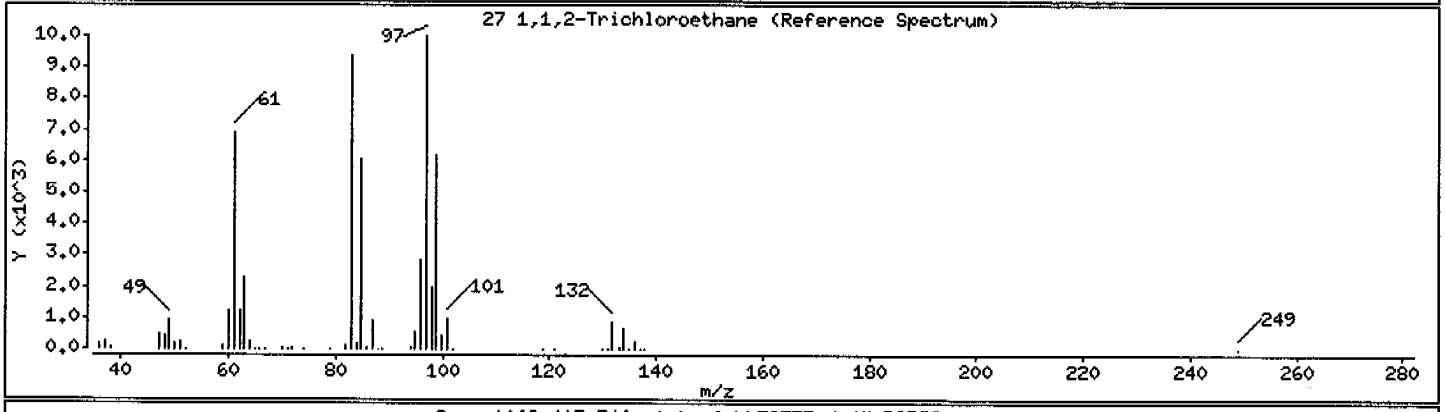
Purge Volume: 5.0 Operator: VOAMS 3

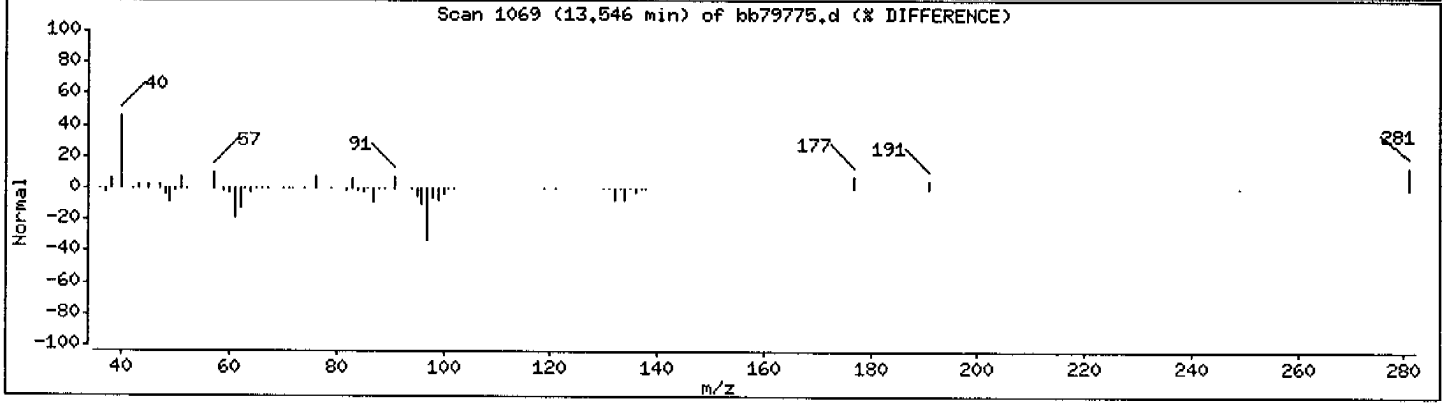
Column phase: Rtx-VMS Column diameter: 0.18

27 1,1,2-Trichloroethane Concentration: 3.6 ug/L









Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79766.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	4.6J	5.0
1,1-Dichloroethene	15	2.0
1,1-Dichloroethane	22	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	0.8J	5.0
1,2-Dichloroethane	26	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	4.6J	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	4.2	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	0.9J	3.0
Benzene	1.5	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79766.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Data File: bb79766.d
Report Date: 24-Oct-2006 19:03

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d
Lab Smp Id: 778388 Client Smp ID: MW04-061017
Inj Date : 19-OCT-2006 14:06
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778388
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

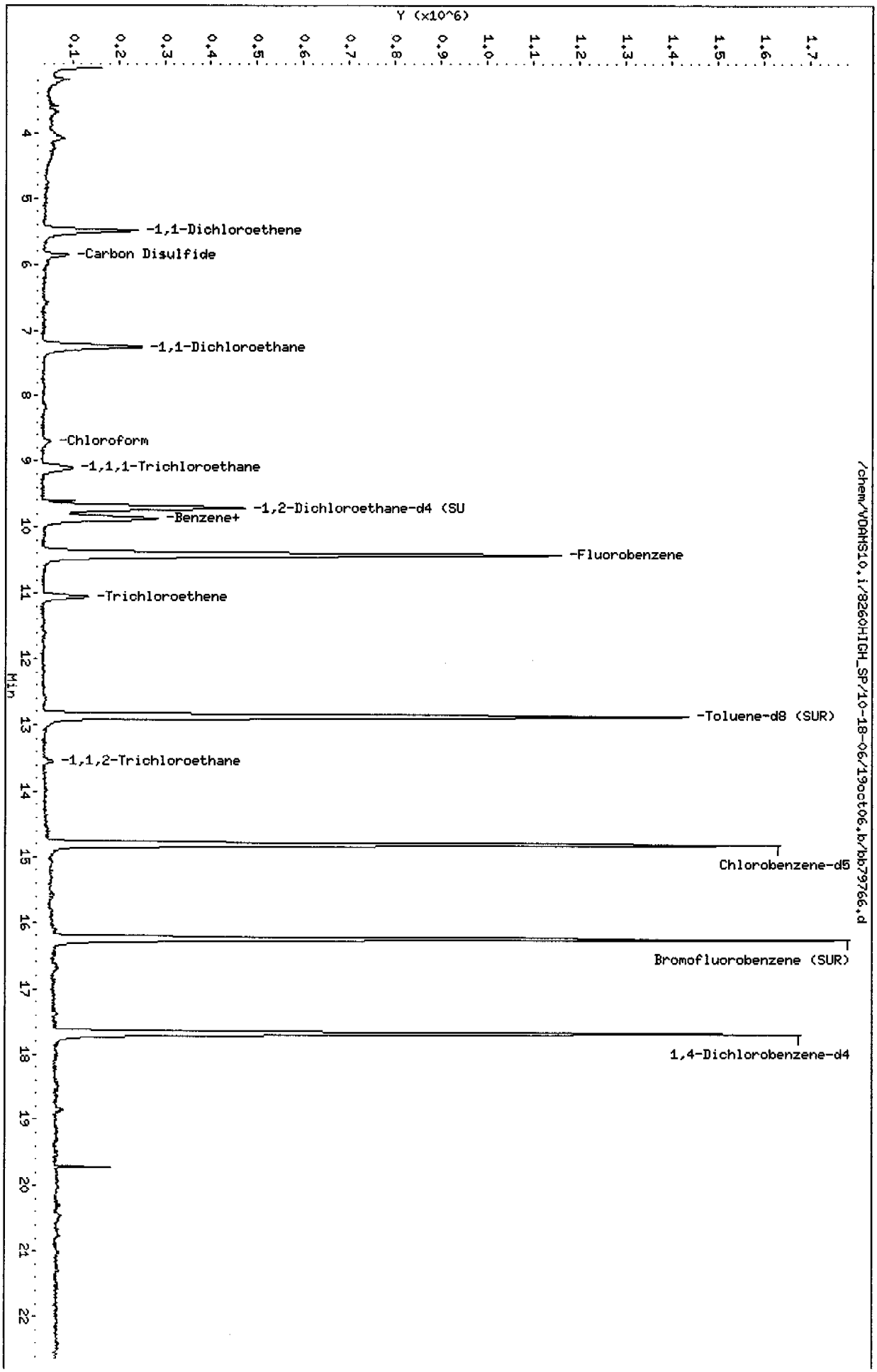
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	10 1,1-Dichloroethene	96	5.486	5.450	(0.527)	186750	15.1645	15
	8 Carbon Disulfide	76	5.861	5.825	(0.563)	170951	4.56176	4.6(a)
	11 1,1-Dichloroethane	63	7.240	7.214	(0.695)	560808	22.3524	22
	15 Chloroform	83	8.699	8.683	(0.835)	25622	0.84904	0.85(a)
	20 1,1,1-Trichloroethane	97	9.113	9.087	(0.875)	122795	4.60193	4.6(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.714	9.678	(0.933)	793051	53.2346	53
	28 Benzene	78	9.872	9.836	(0.948)	61663	1.50810	1.5
	17 1,2-Dichloroethane	62	9.872	9.846	(0.948)	465276	25.8400	26
*	19 Fluorobenzene	96	10.414	10.398	(1.000)	2370926	50.0000	
	25 Trichloroethene	95	11.064	11.038	(1.062)	75435	4.20025	4.2
$	37 Toluene-d8 (SUR)	98	12.858	12.841	(0.869)	1780841	49.3062	49
	27 1,1,2-Trichloroethane	83	13.547	13.531	(0.915)	12011	0.91623	0.92(a)
*	32 Chlorobenzene-d5	117	14.799	14.783	(1.000)	1463046	50.0000	
$	41 Bromofluorobenzene (SUR)	174	16.248	16.232	(0.919)	781119	49.6955	50
*	91 1,4-Dichlorobenzene-d4	152	17.677	17.661	(1.000)	843160	50.0000	

Data File: bb79766.d
Report Date: 24-Oct-2006 19:03

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).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Date : 19-OCT-2006 14:06
Client ID: MW04-061017
Sample Info: 778388
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
Min
-1,1-Dichloroethene
-Carbon Disulfide
-1,1-Dichloroethane
-Chloroform
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4 (SU
-Benzene+
-Fluorobenzene
-Trichloroethene
-Toluene-d8 (SUR)
-1,1,2-Trichloroethane
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

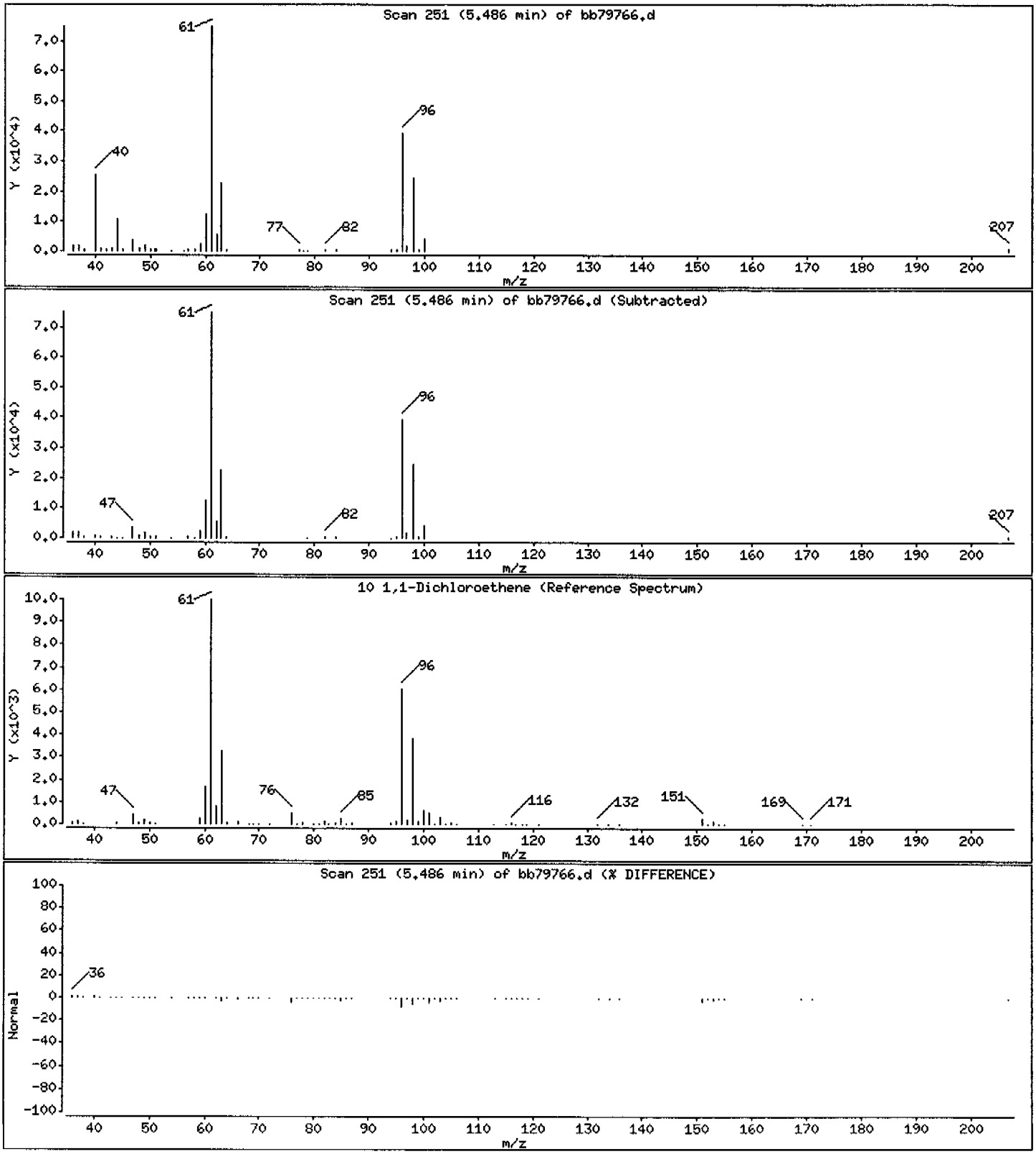
Client ID: MW04-061017 Instrument: VOAMS10.i

Sample Info: 778388

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

10 1,1-Dichloroethene Concentration: 15 ug/L



Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

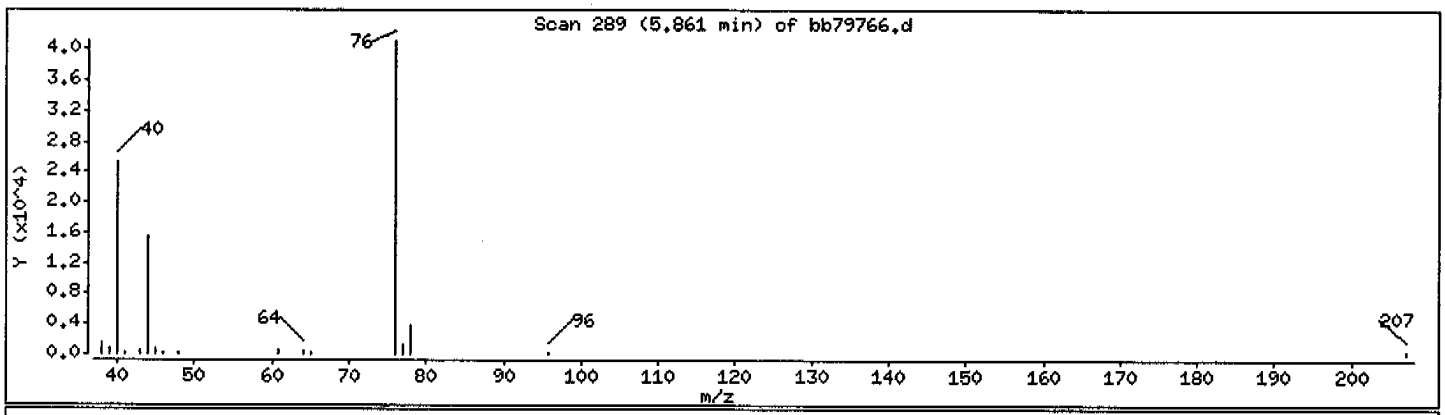
Client ID: MW04-061017 Instrument: VOAMS10.i

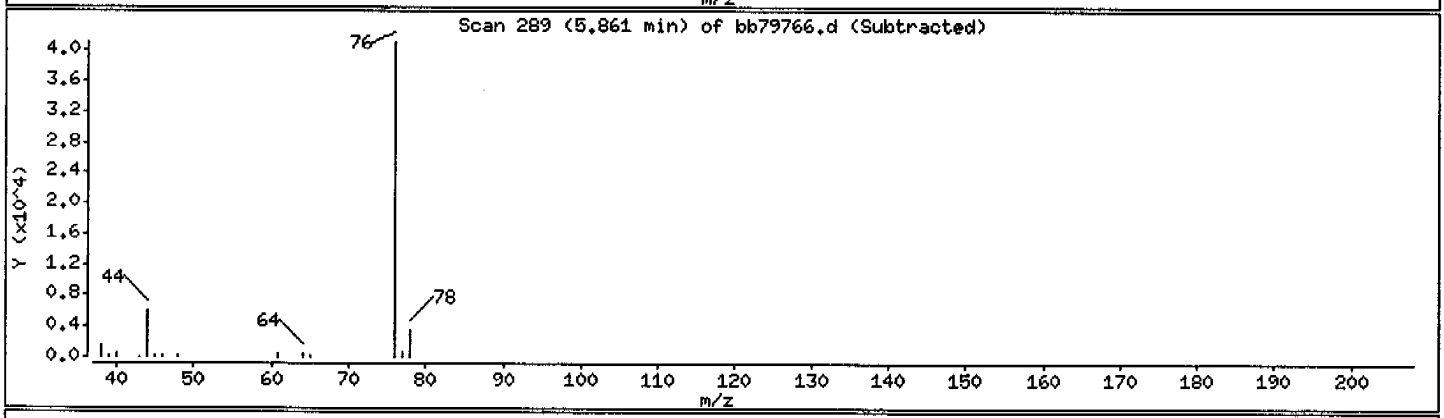
Sample Info: 778388

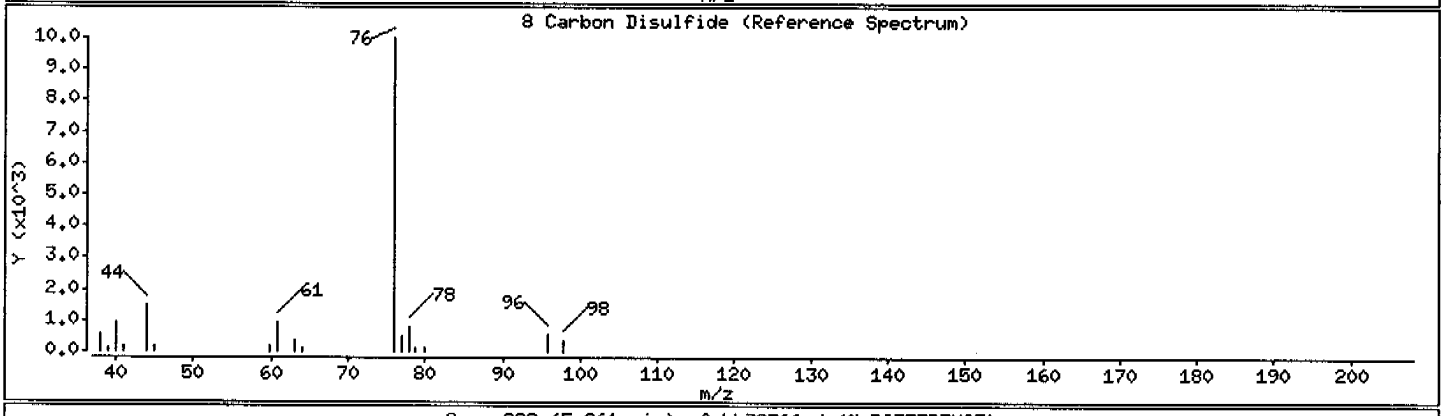
Purge Volume: 5.0 Operator: VOAMS 3

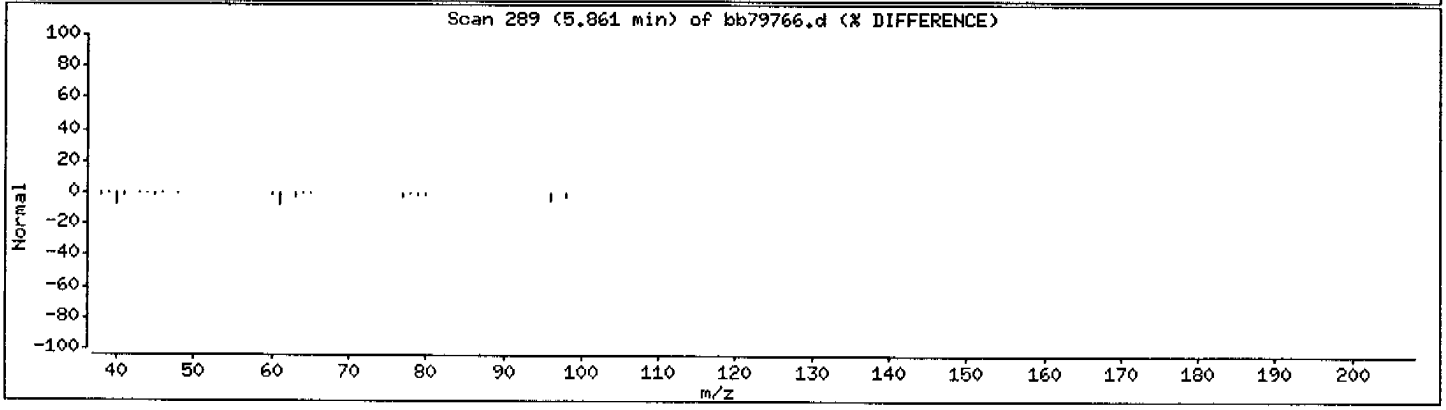
Column phase: Rtx-VMS Column diameter: 0.18

8 Carbon Disulfide Concentration: 4.6 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

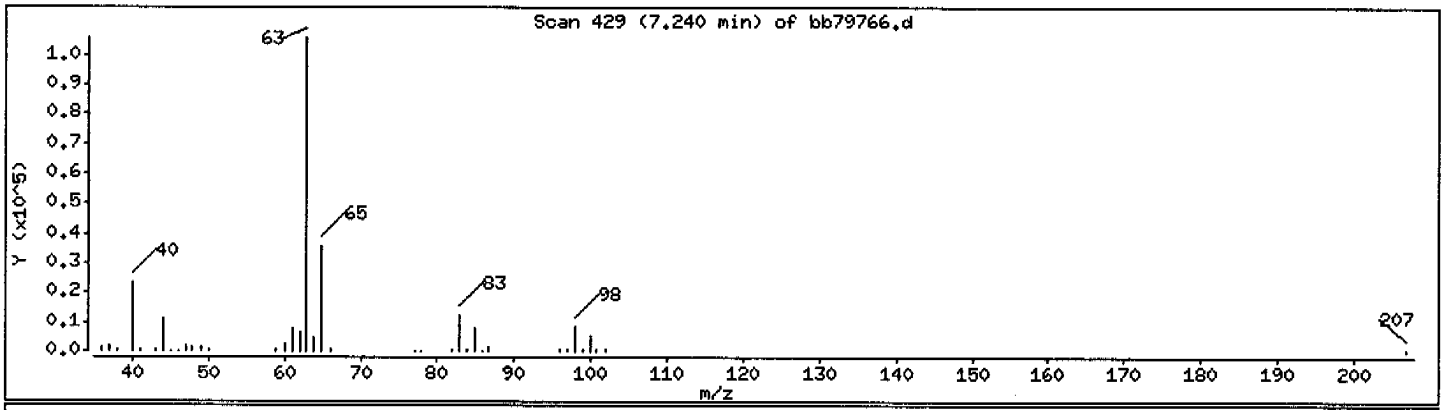
Client ID: MW04-061017 Instrument: VOAMS10.i

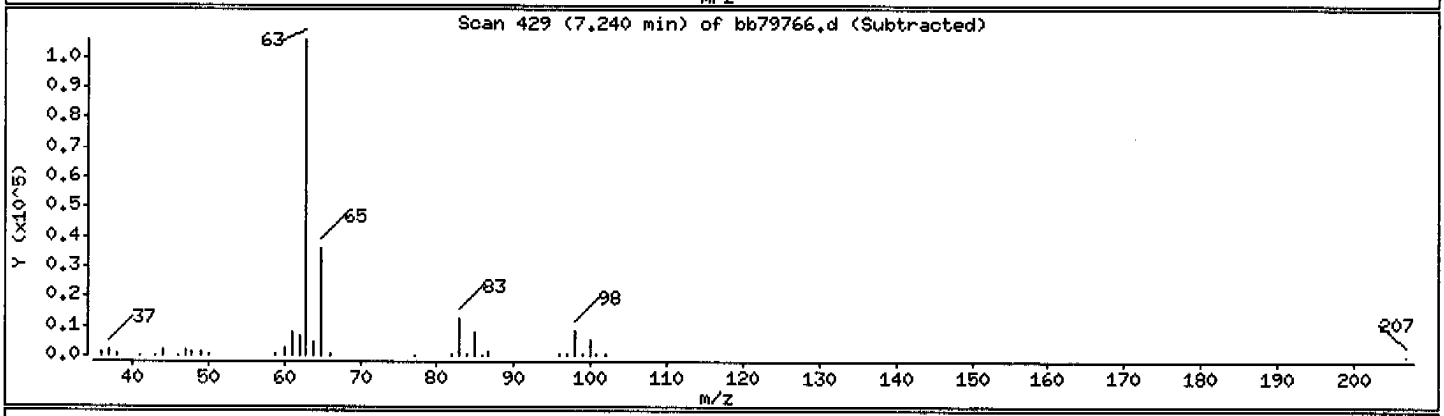
Sample Info: 778388

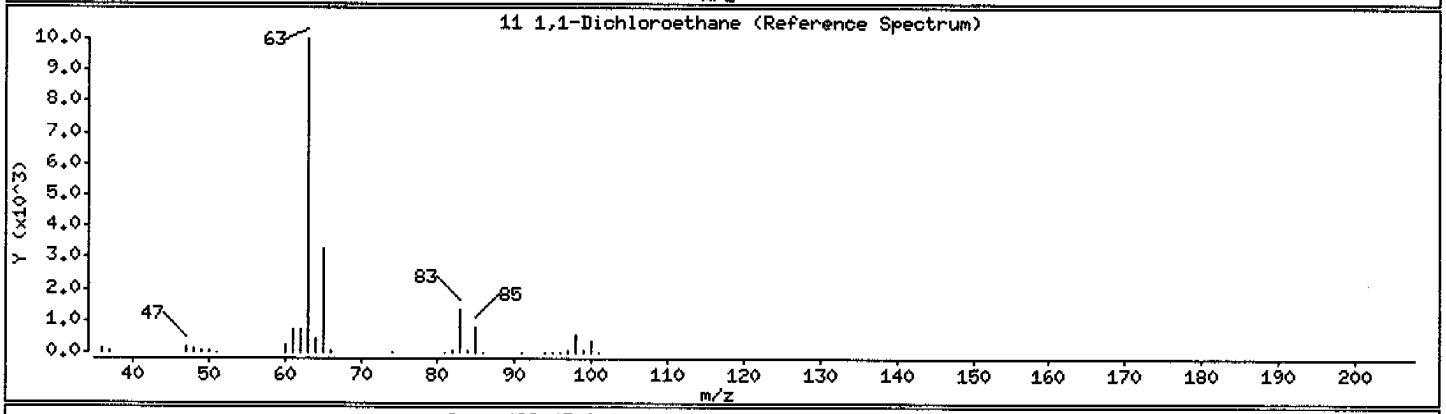
Purge Volume: 5.0 Operator: VOAMS 3

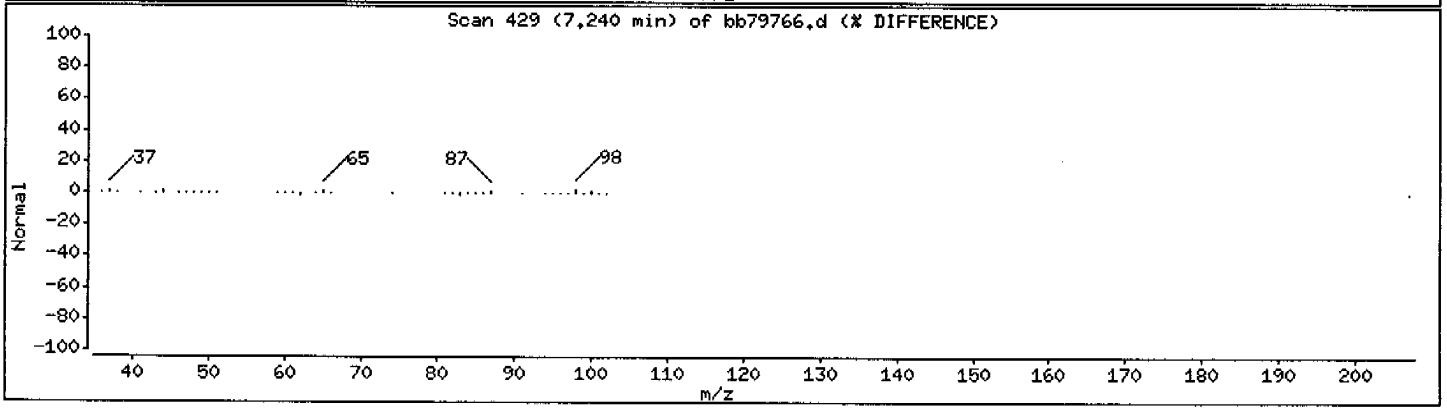
Column phase: Rtx-VMS Column diameter: 0.18

11 1,1-Dichloroethane Concentration: 22 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

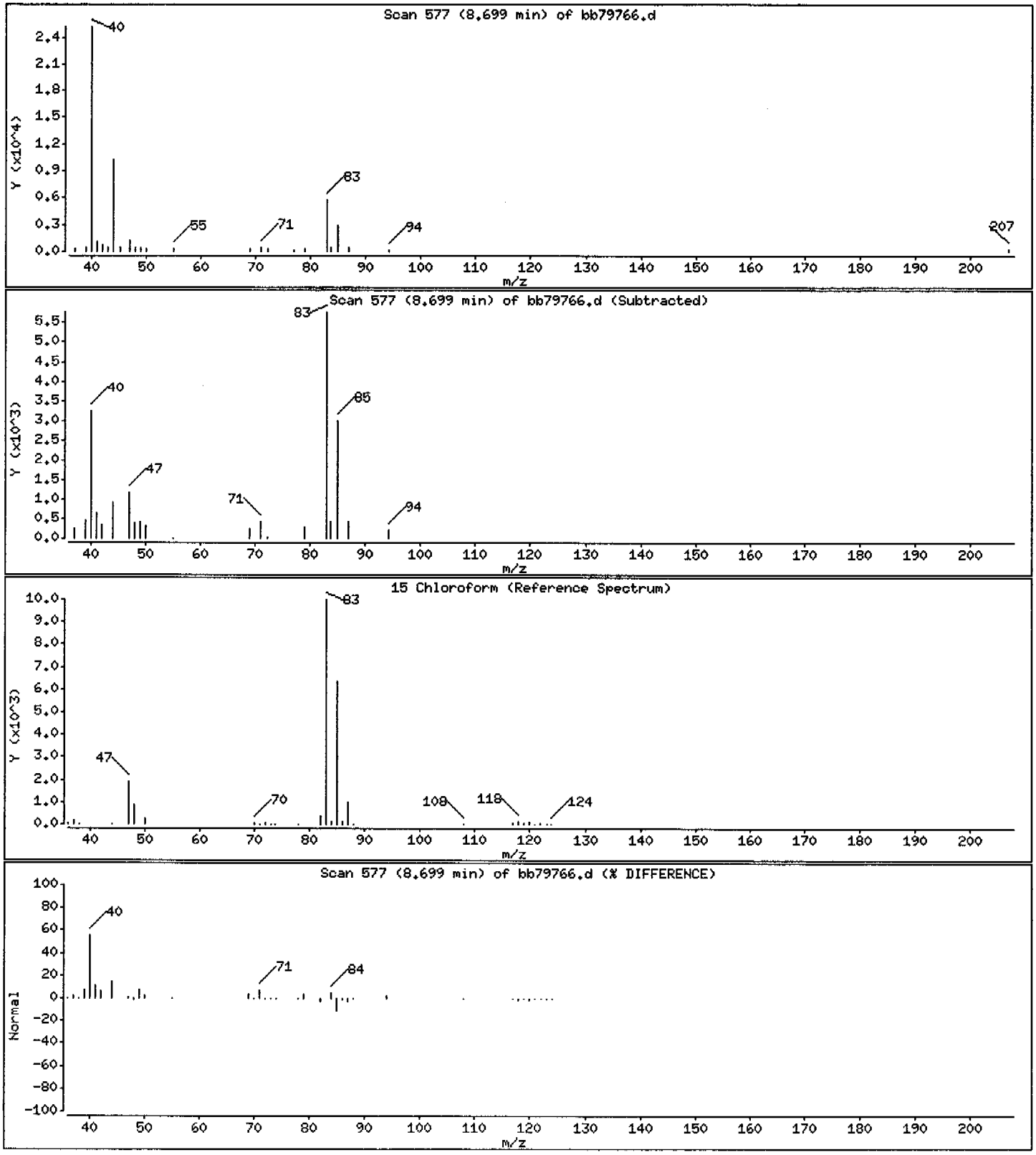
Client ID: MW04-061017 Instrument: VOAMS10.i

Sample Info: 778388

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

15 Chloroform Concentration: 0.85 ug/L



Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

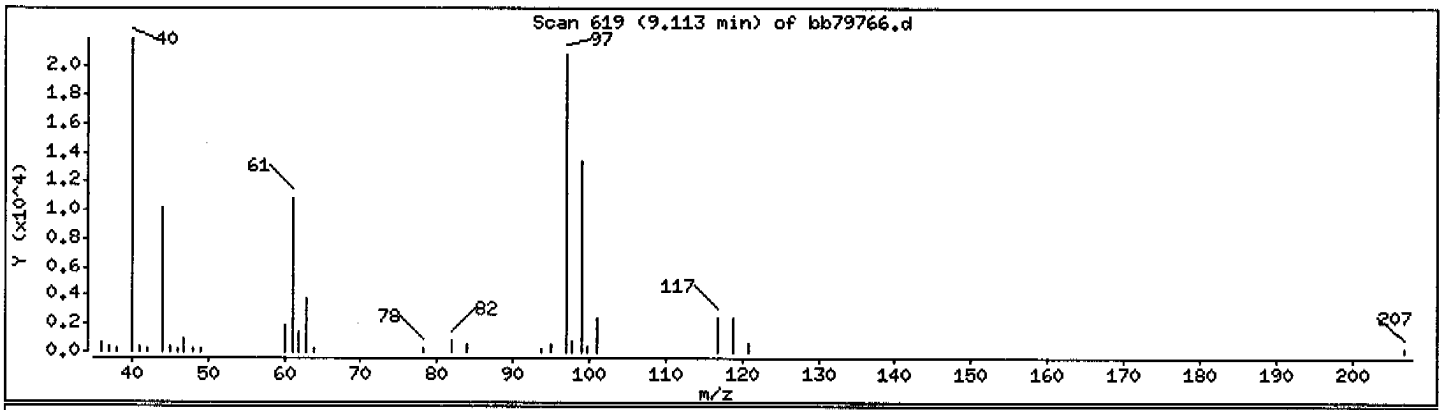
Client ID: MW04-061017 Instrument: VOAMS10.i

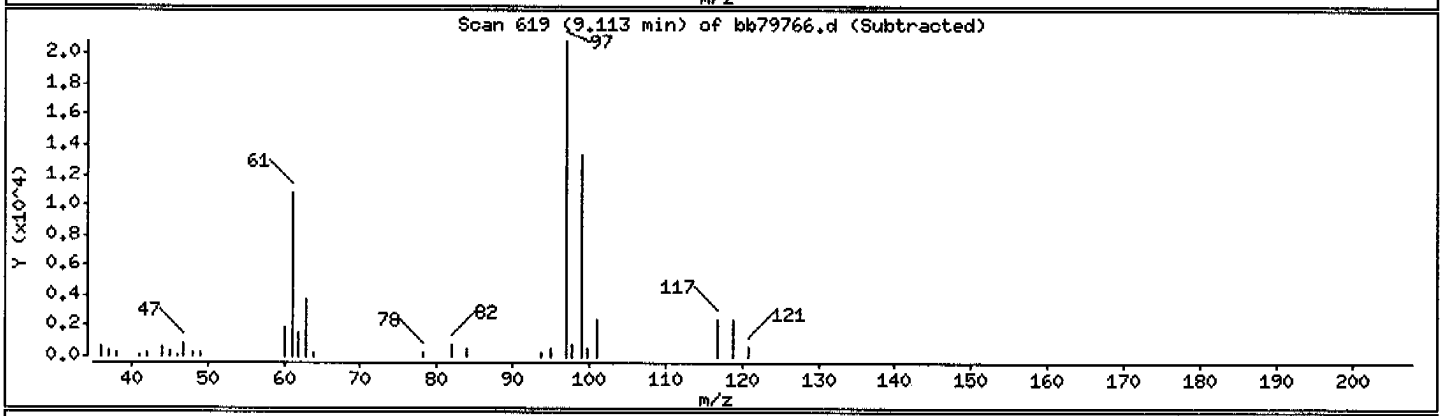
Sample Info: 778388

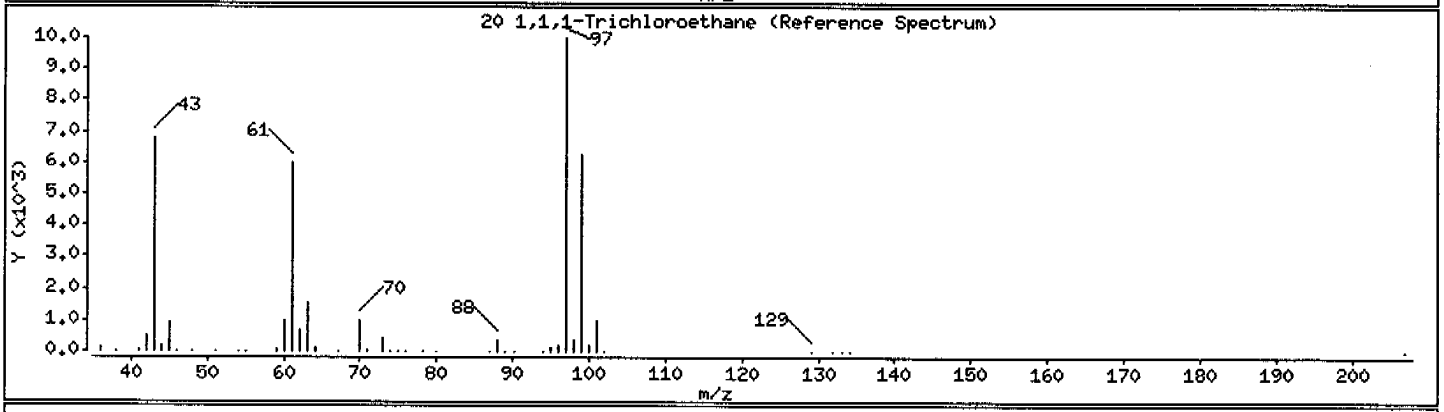
Purge Volume: 5.0 Operator: VOAMS 3

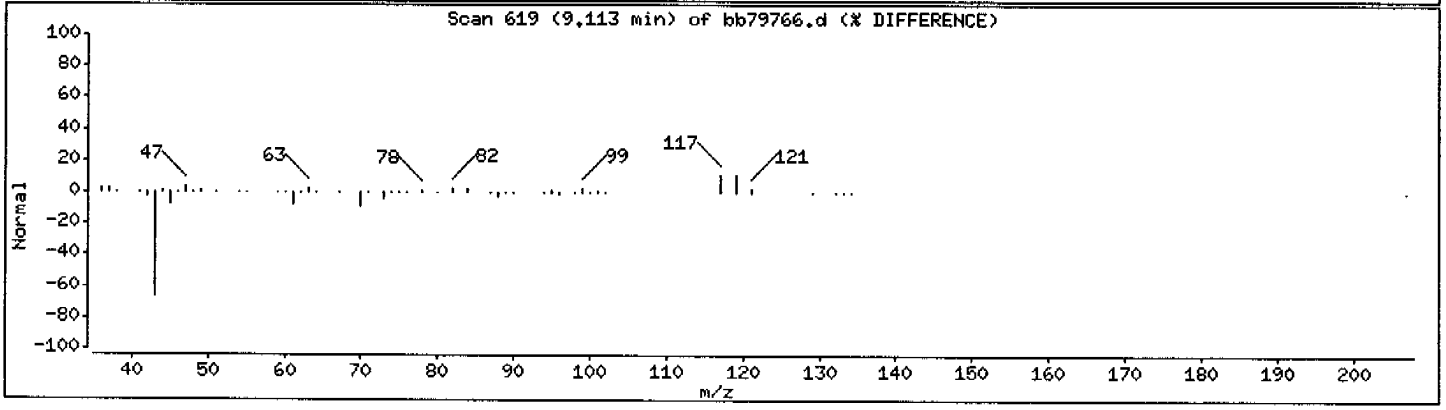
Column phase: Rtx-VMS Column diameter: 0.18

20 1,1,1-Trichloroethane Concentration: 4.6 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

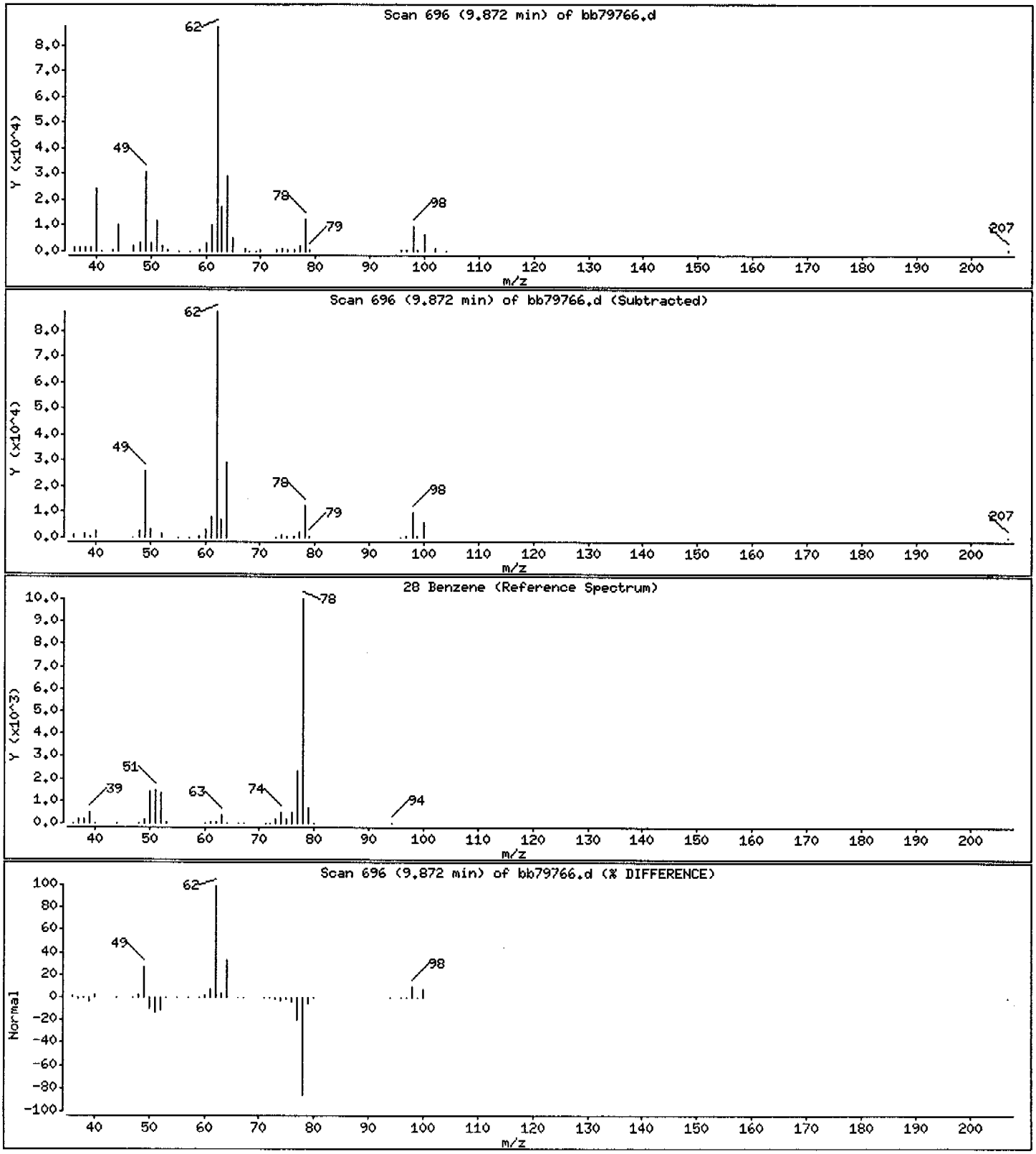
Client ID: MW04-061017 Instrument: VOAMS10.i

Sample Info: 778388

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

28 Benzene Concentration: 1.5 ug/L



Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

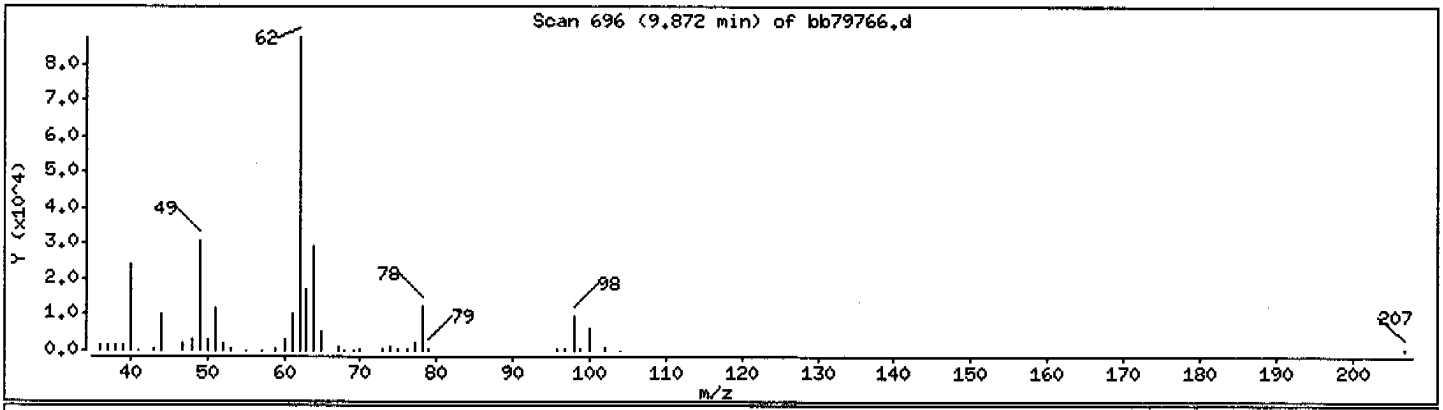
Client ID: MW04-061017 Instrument: VOAMS10.i

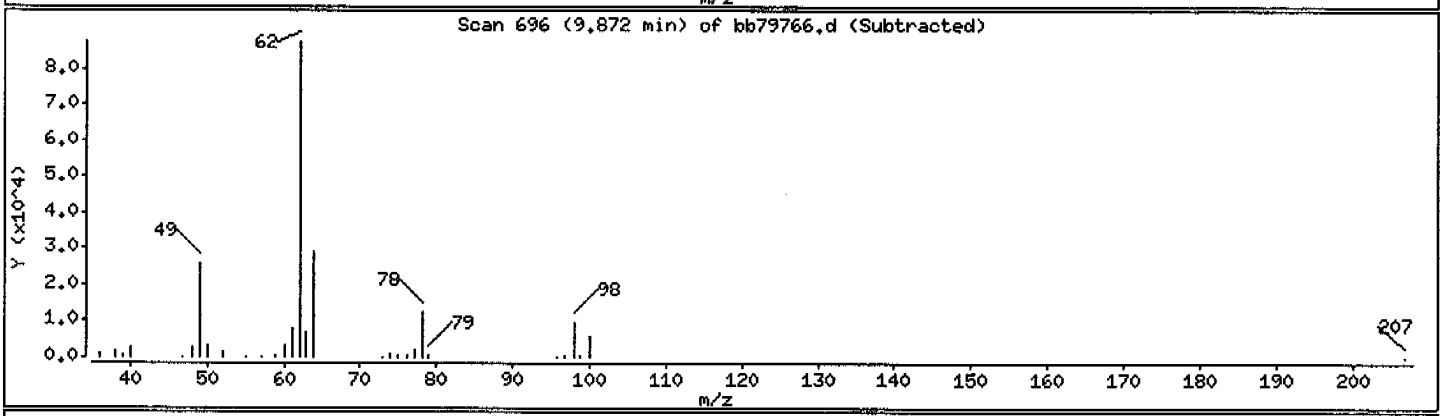
Sample Info: 778388

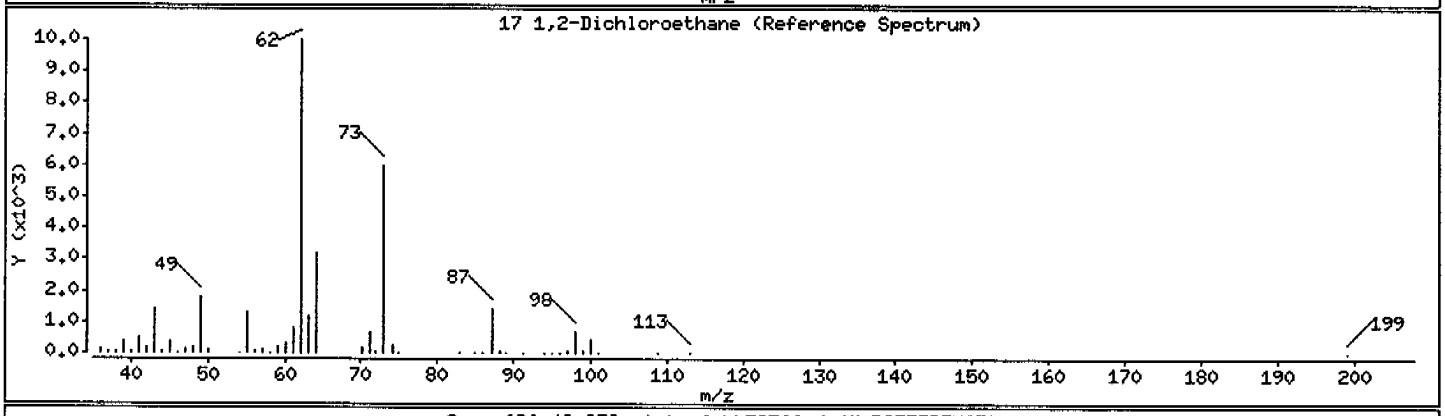
Purge Volume: 5.0 Operator: VOAMS 3

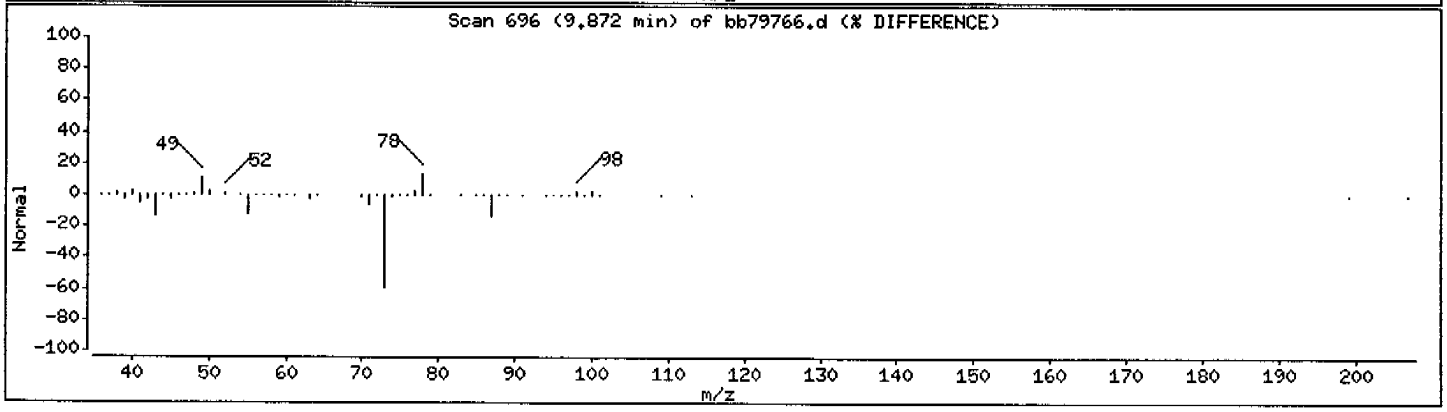
Column phase: Rtx-VMS Column diameter: 0.18

17 1,2-Dichloroethane Concentration: 26 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

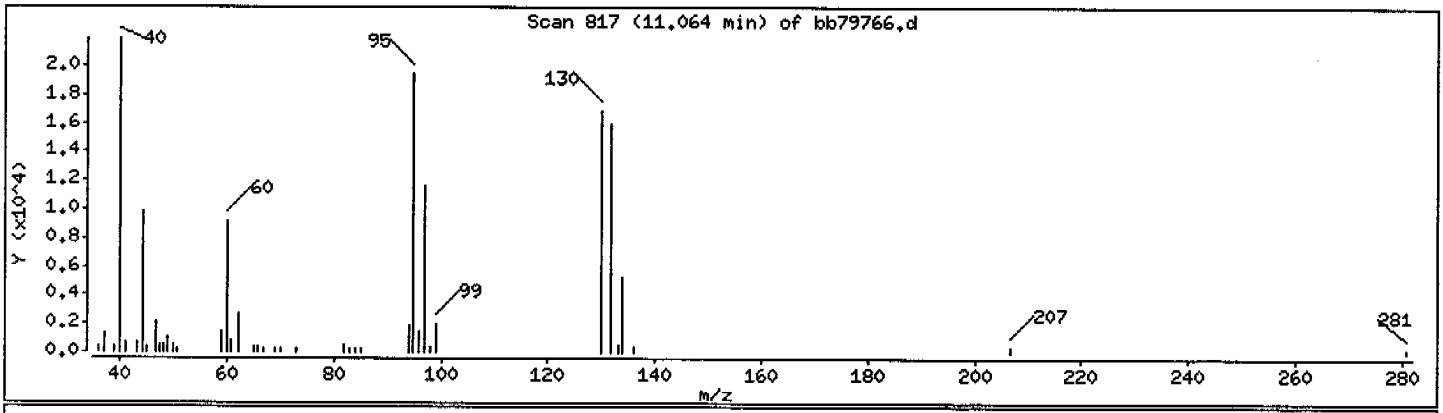
Client ID: MW04-061017 Instrument: VOAMS10.i

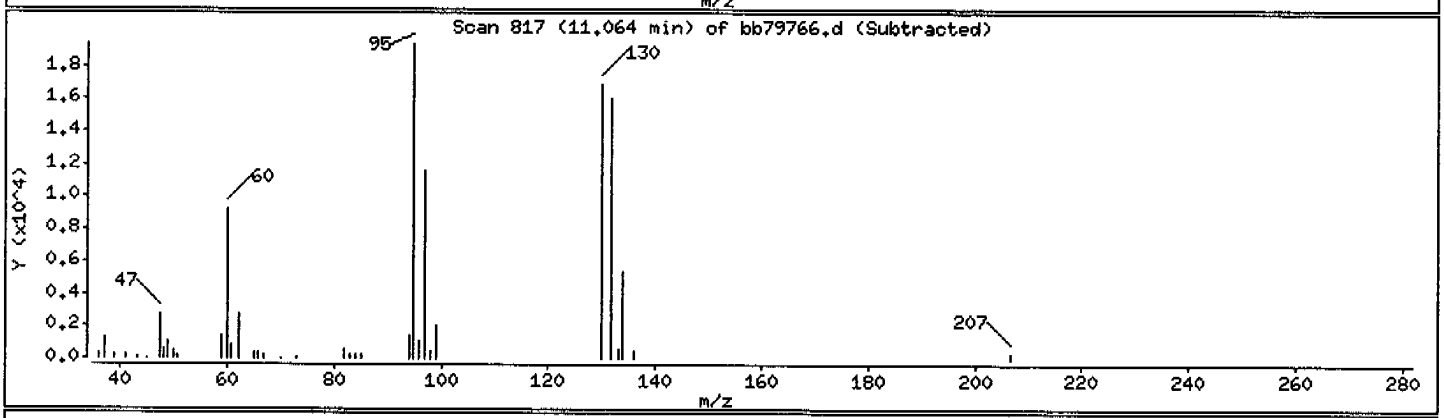
Sample Info: 778388

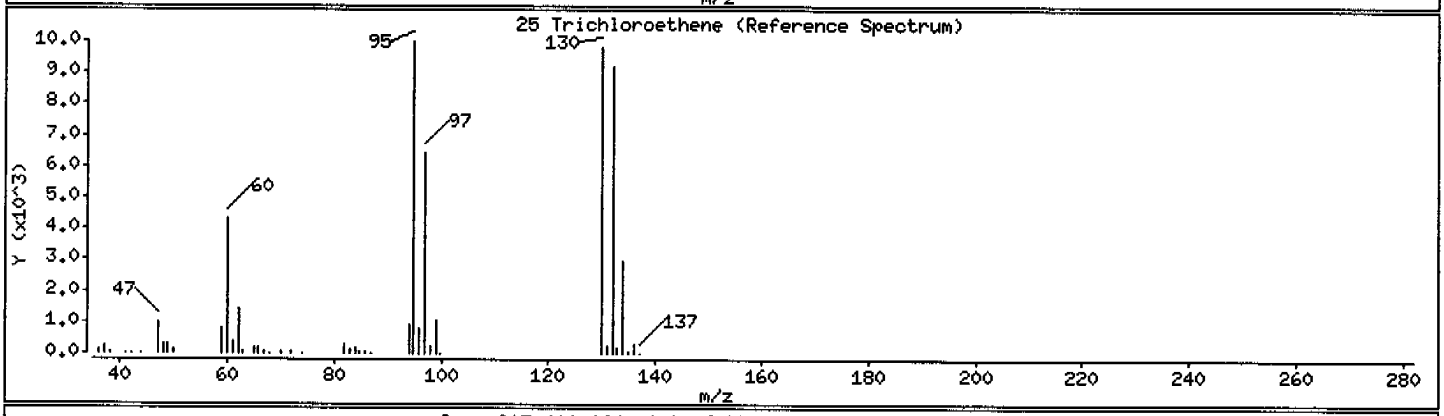
Purge Volume: 5.0 Operator: VOAMS 3

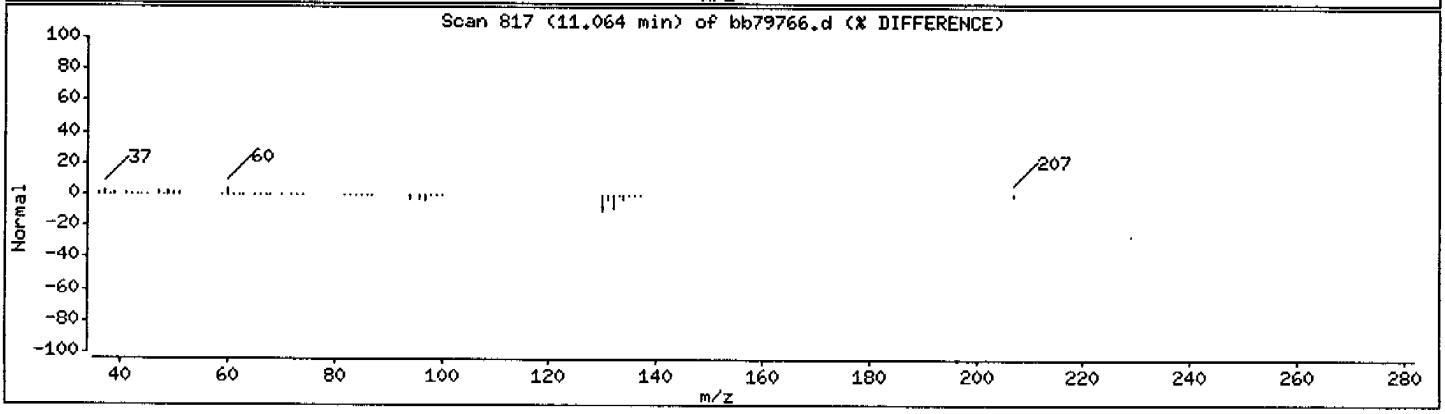
Column phase: Rtx-VMS Column diameter: 0.18

25 Trichloroethene Concentration: 4.2 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79766.d

Date : 19-OCT-2006 14:06

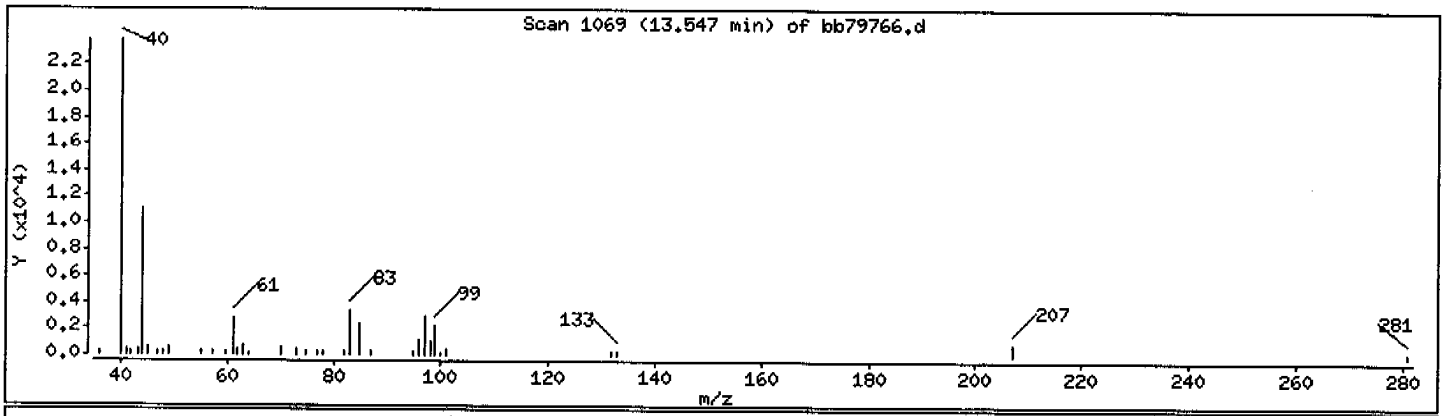
Client ID: MW04-061017 Instrument: VOAMS10.i

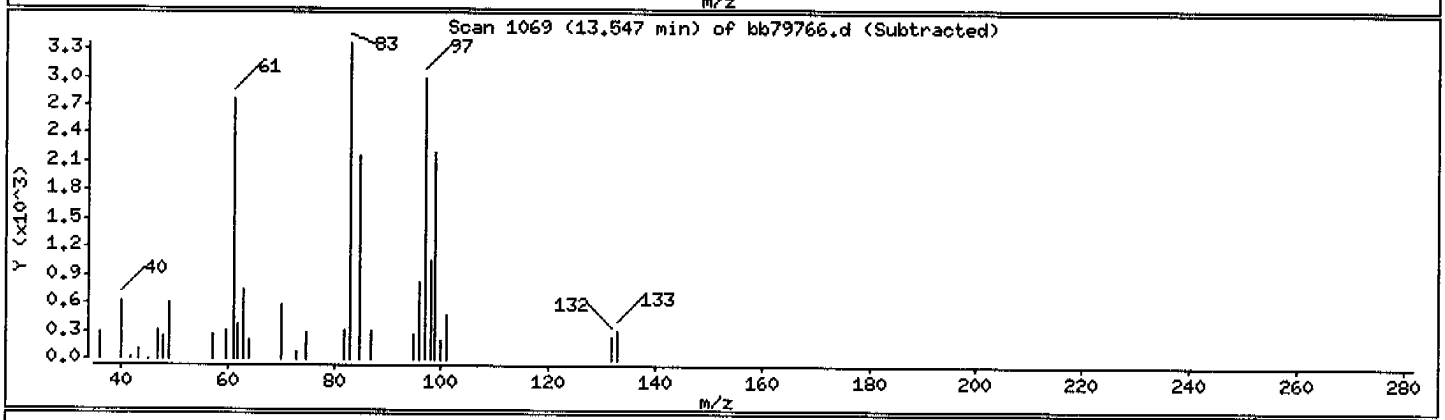
Sample Info: 778388

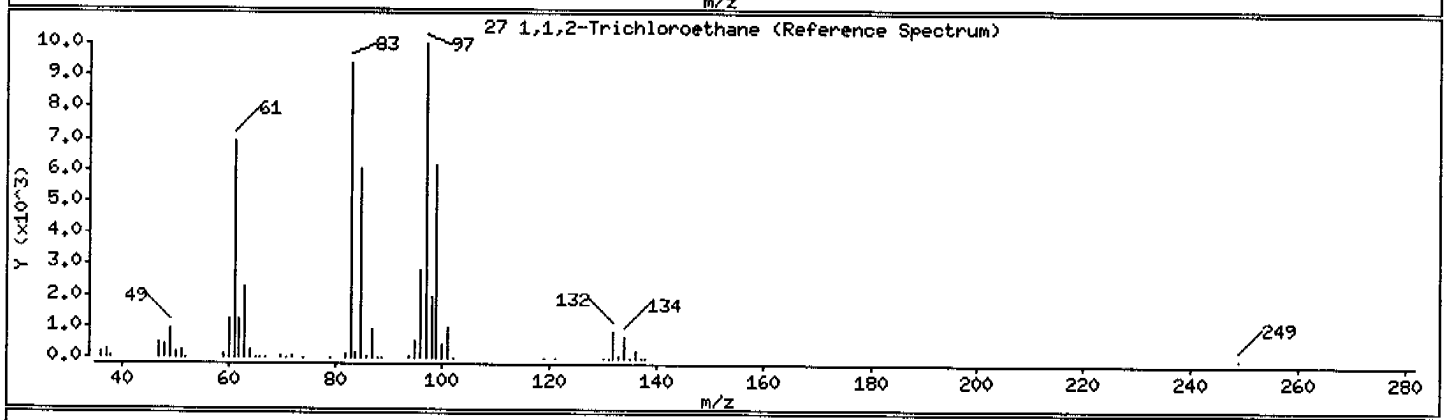
Purge Volume: 5.0 Operator: VOAMS 3

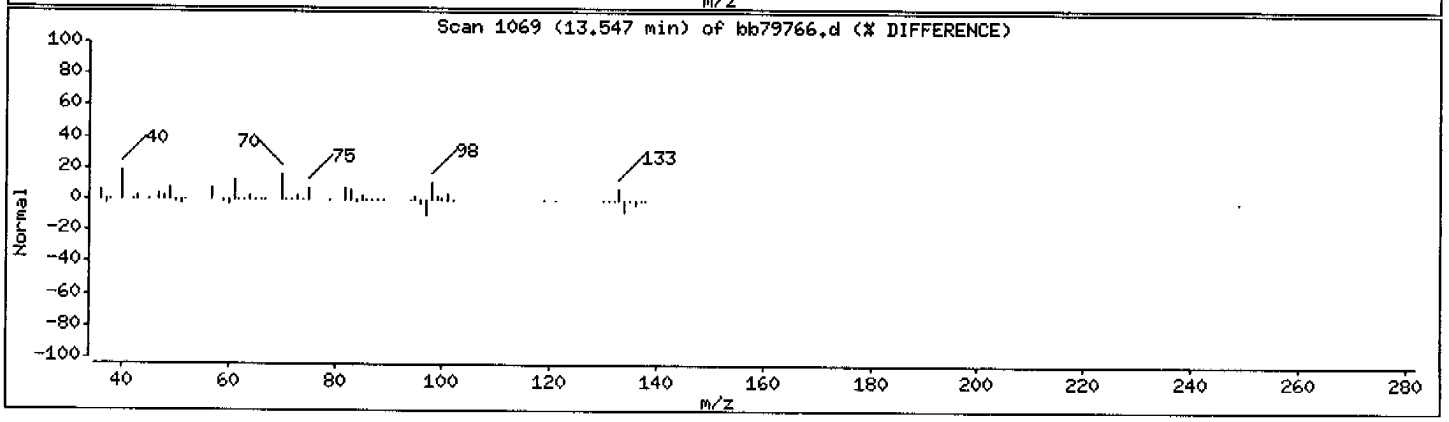
Column phase: Rtx-VMS Column diameter: 0.18

27 1,1,2-Trichloroethane Concentration: 0.92 ug/L









Client ID: **MW05-061017**
Site: Sun Chemical SI

Lab Sample No: **778389**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79767.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	0.7J	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05-061017**
Site: Sun Chemical SI

Lab Sample No: **778389**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79767.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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7.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79767.d
Report Date: 24-Oct-2006 19:03

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79767.d
Lab Smp Id: 778389 Client Smp ID: MW05-061017
Inj Date : 19-OCT-2006 14:36
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778389
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

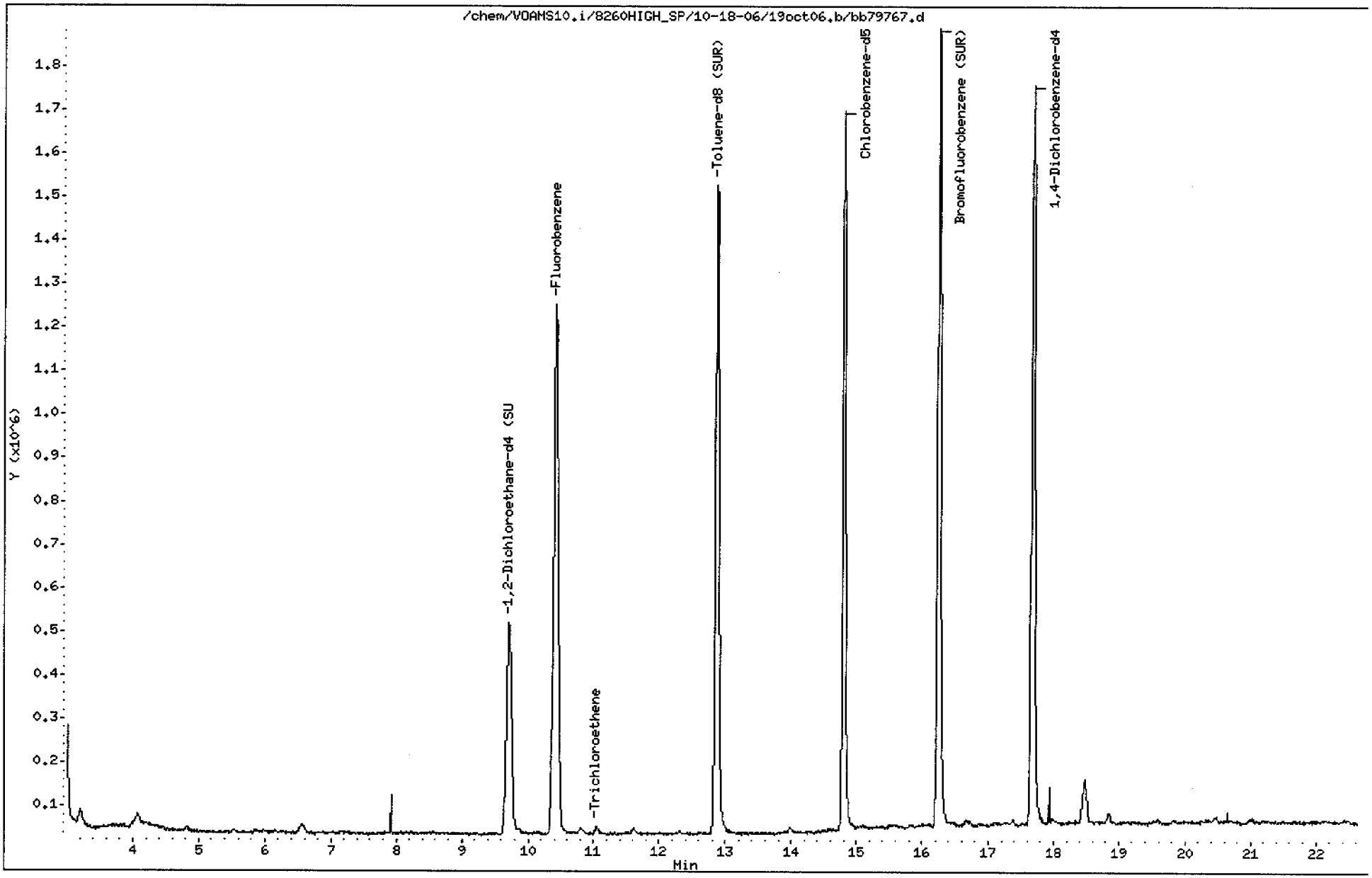
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.702	9.678	(0.932)	872402	54.8403	55
* 19 Fluorobenzene	96	10.412	10.398	(1.000)	2531788	50.0000	
25 Trichloroethene	95	11.052	11.038	(1.062)	13251	0.69094	0.69(a)
$ 37 Toluene-d8 (SUR)	98	12.856	12.841	(0.869)	1890558	49.5850	50
* 32 Chlorobenzene-d5	117	14.797	14.783	(1.000)	1544453	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	16.246	16.232	(0.919)	834371	51.3236	51
* 91 1,4-Dichlorobenzene-d4	152	17.675	17.661	(1.000)	872071	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79767.d
Date : 19-OCT-2006 14:36
Client ID: MW05-061017
Sample Info: 778389
Purge Volume: 5.0
Column phase: Rtx-VMS

Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18



106
STL Edison
Y485

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79767.d

Date : 19-OCT-2006 14:36

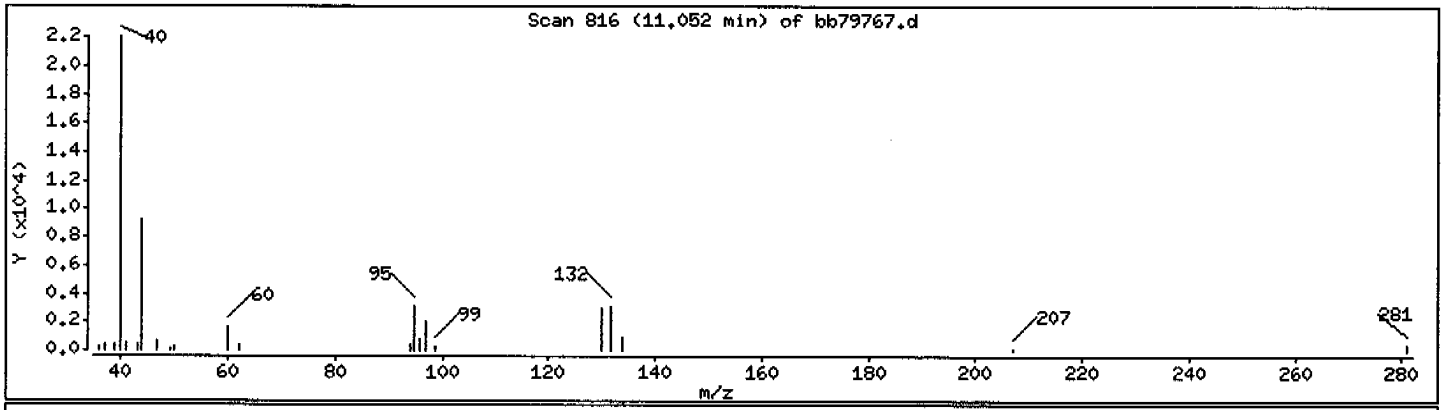
Client ID: MW05-061017 Instrument: VOAMS10.i

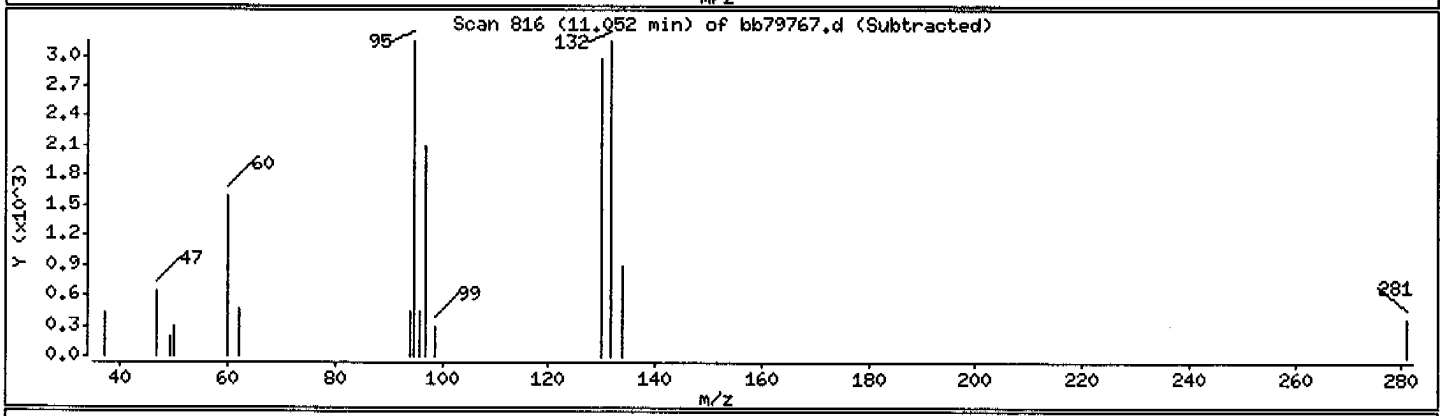
Sample Info: 778389

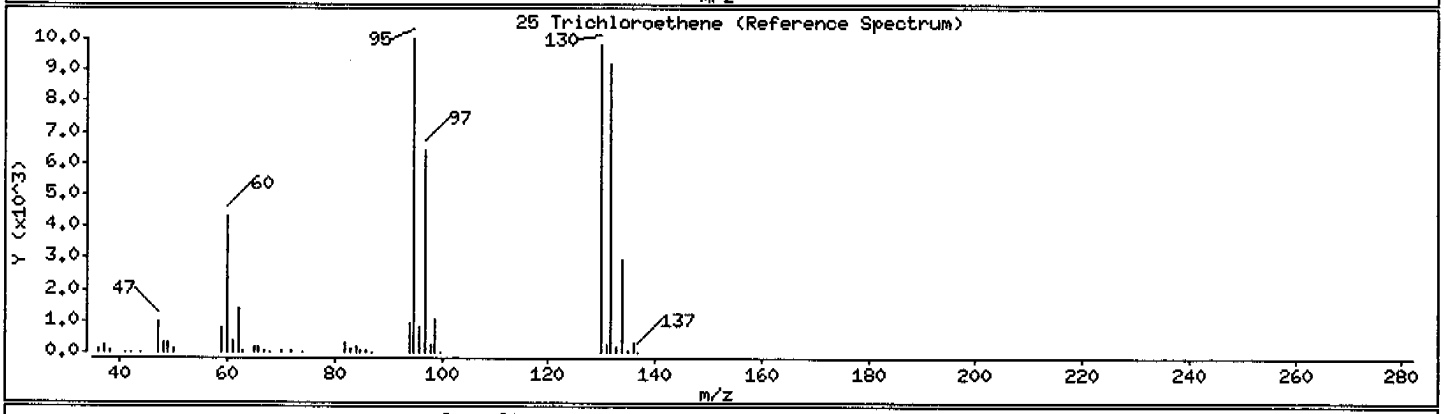
Purge Volume: 5.0 Operator: VOAMS 3

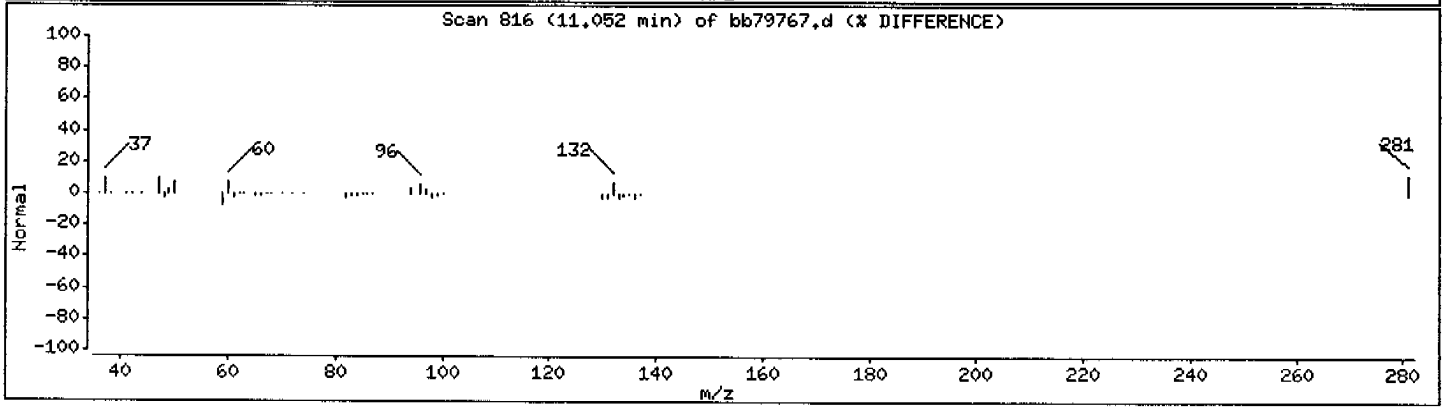
Column phase: Rtx-VMS Column diameter: 0.18

25 Trichloroethene Concentration: 0.69 ug/L









Client ID: **MW05D-061017**
Site: Sun Chemical SI

Lab Sample No: **778390**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79768.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	10	5.0
1,2-Dichloroethane	1.3J	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	0.7J	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW05D-061017**
Site: Sun Chemical SI

Lab Sample No: **778390**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79768.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Propane, 2-methoxy-2-methyl-	6.56	32	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 32

Data File: bb79768.d
Report Date: 24-Oct-2006 19:04

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79768.d
Lab Smp Id: 778390 Client Smp ID: MW05D-061017
Inj Date : 19-OCT-2006 15:06
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778390
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

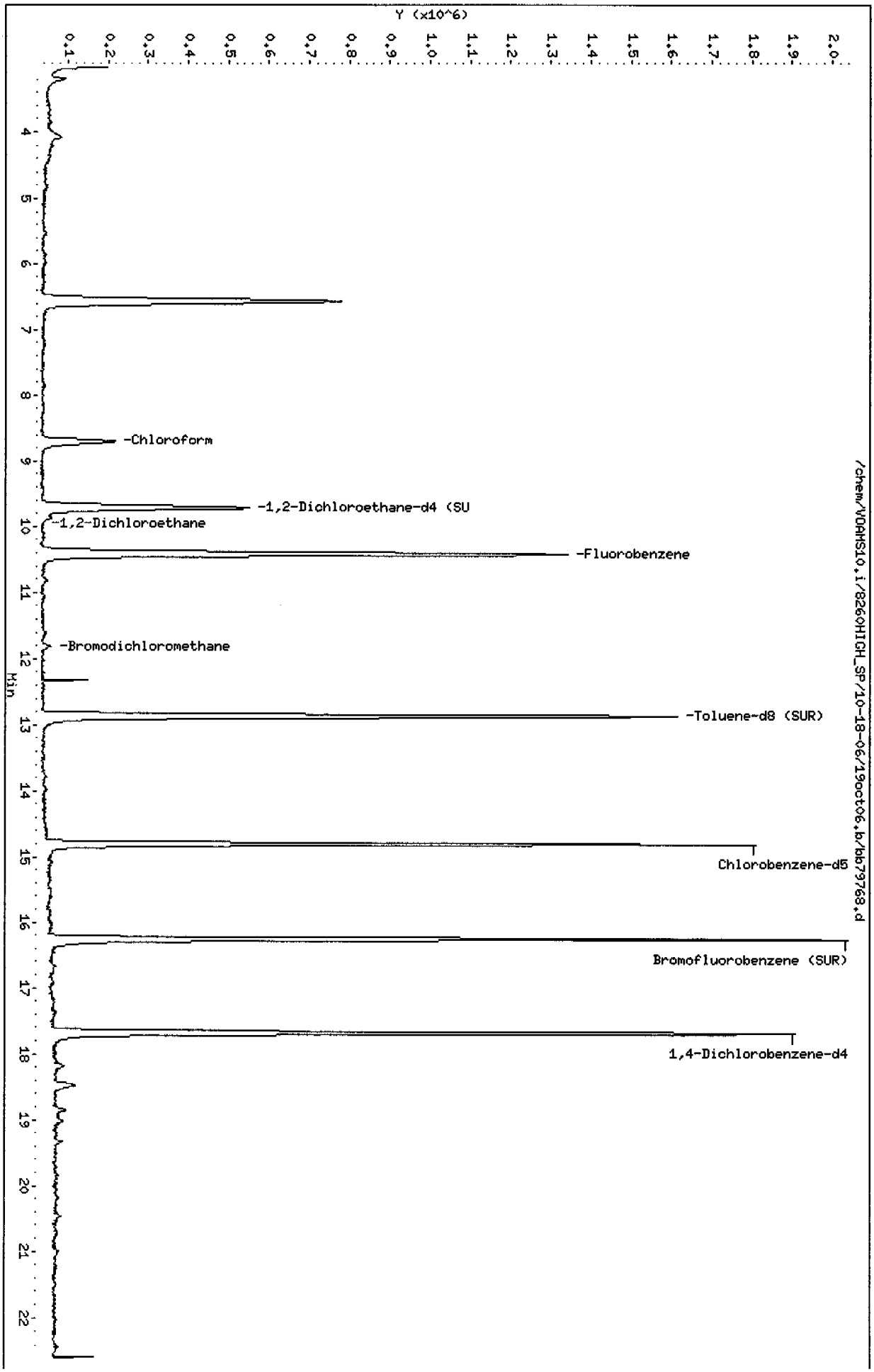
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Chloroform	83	8.698	8.683	(0.835)	363945	10.4765	10
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.703	9.678	(0.932)	925941	53.9939	54
	17 1,2-Dichloroethane	62	9.881	9.846	(0.949)	27825	1.34241	1.3(a)
*	19 Fluorobenzene	96	10.413	10.398	(1.000)	2729290	50.0000	
	22 Bromodichloromethane	83	11.812	11.797	(1.134)	24872	0.69269	0.69(a)
$	37 Toluene-d8 (SUR)	98	12.867	12.841	(0.869)	1988780	49.1783	49
*	32 Chlorobenzene-d5	117	14.798	14.783	(1.000)	1638130	50.0000	
$	41 Bromofluorobenzene (SUR)	174	16.247	16.232	(0.919)	868492	49.6832	50
*	91 1,4-Dichlorobenzene-d4	152	17.676	17.661	(1.000)	937705	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79768.d
Date : 19-OCT-2006 15:06
Client ID: MW05D-061017
Sample Info: 778390
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
Min
-Chloroform
-1,2-Dichloroethane-d4 (SU
-1,2-Dichloroethane
-Fluorobenzene
-Bromodichloromethane
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79769.d

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79768.d

Date : 19-OCT-2006 15:06

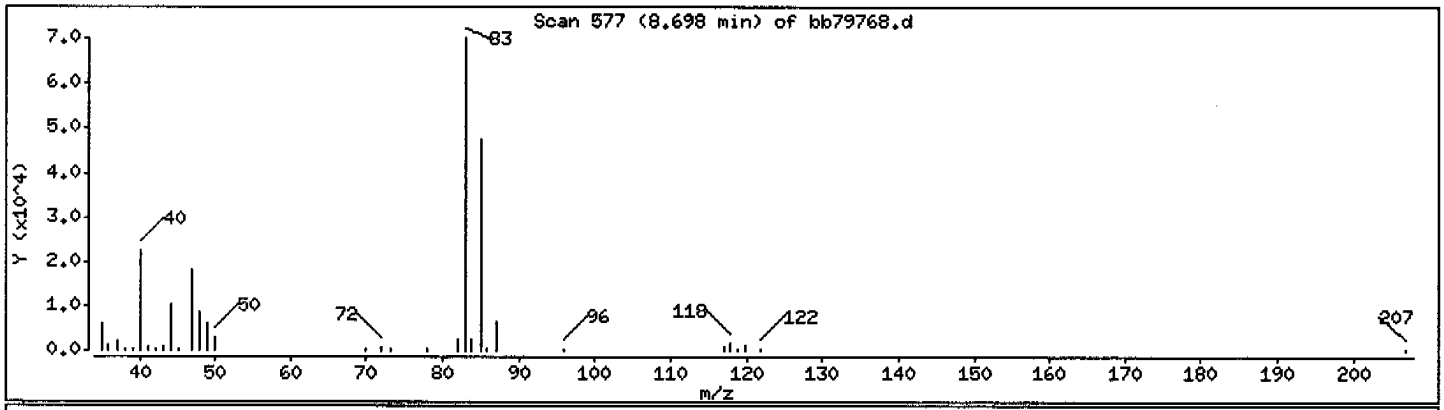
Client ID: MW05D-061017 Instrument: VOAMS10.i

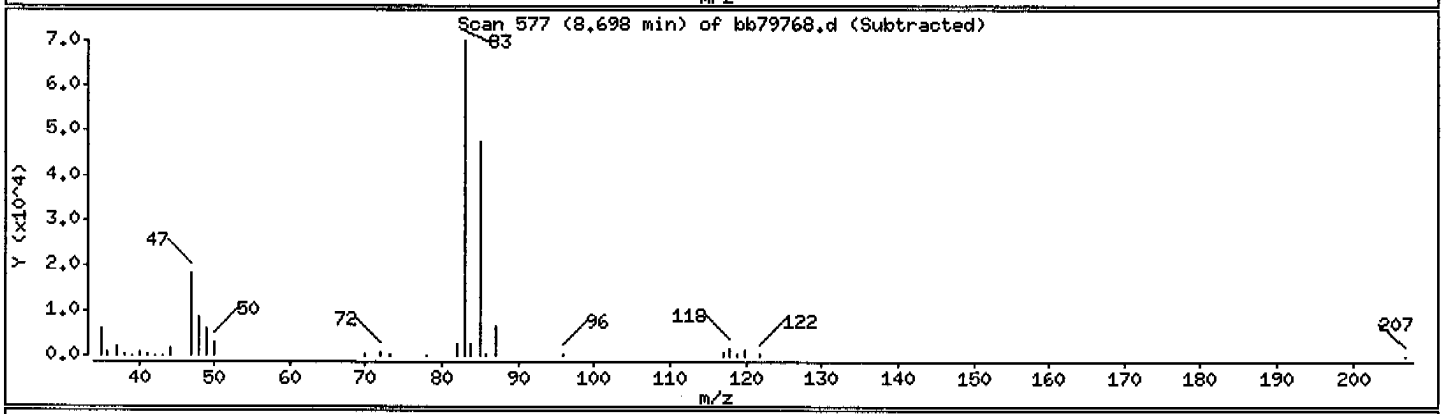
Sample Info: 778390

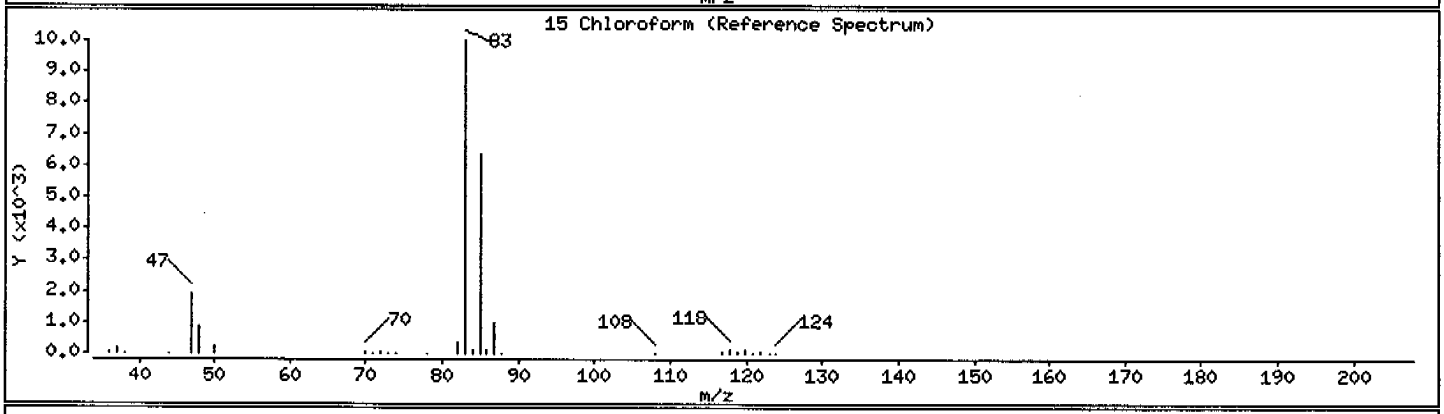
Purge Volume: 5.0 Operator: VOAMS 3

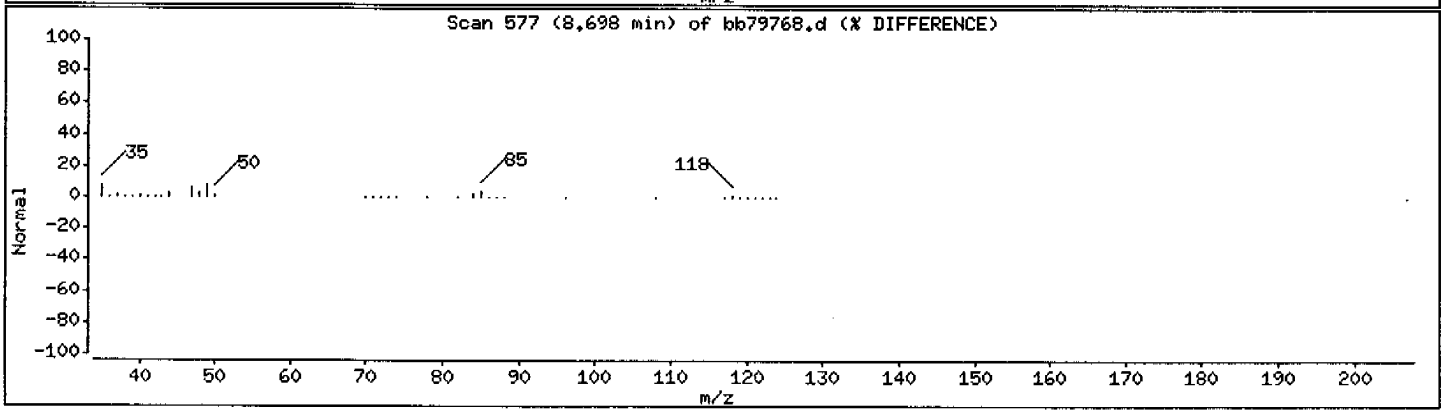
Column phase: Rtx-VMS Column diameter: 0.18

15 Chloroform Concentration: 10 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79768.d

Date : 19-OCT-2006 15:06

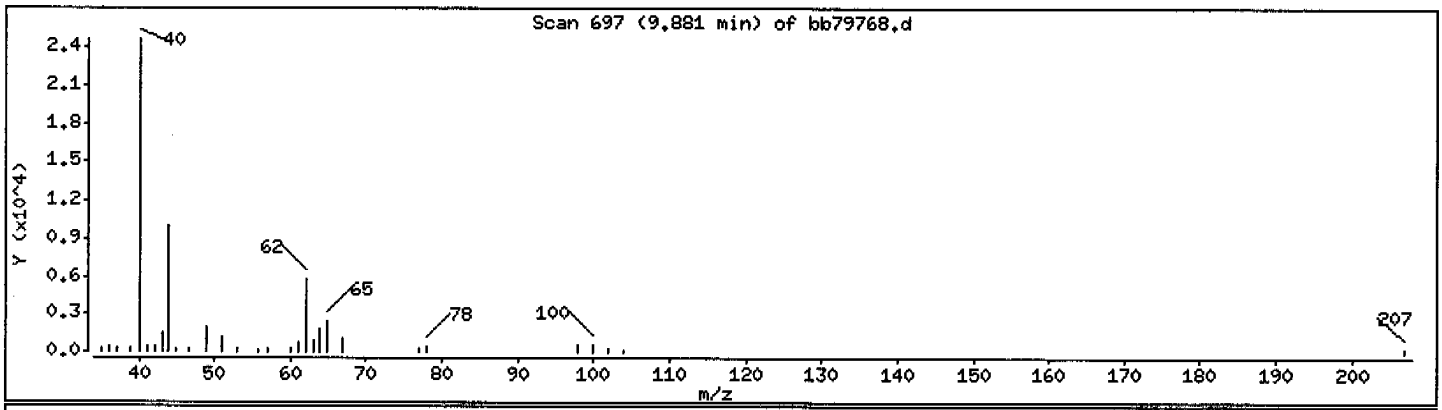
Client ID: MW05D-061017 Instrument: VOAMS10.i

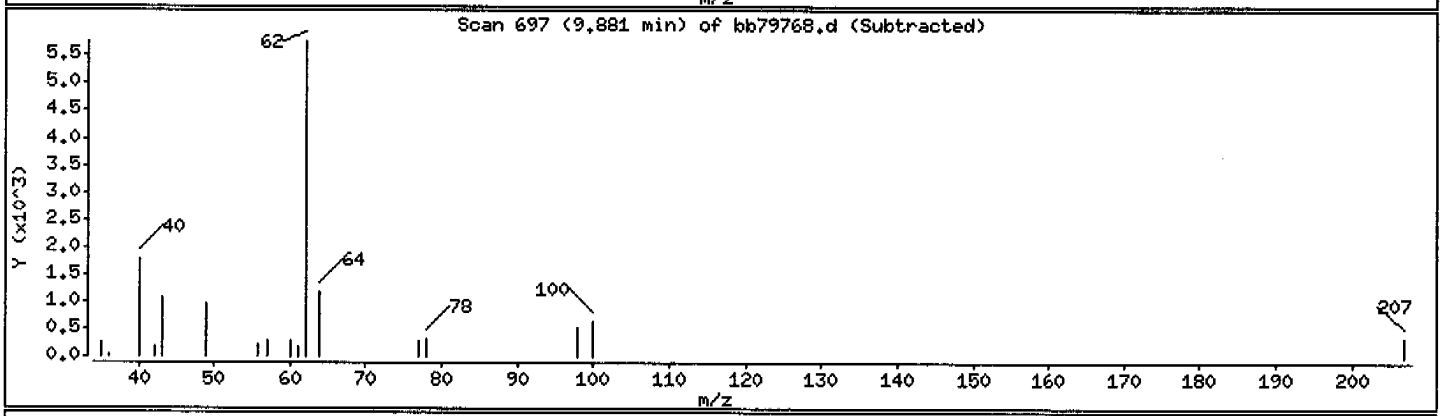
Sample Info: 778390

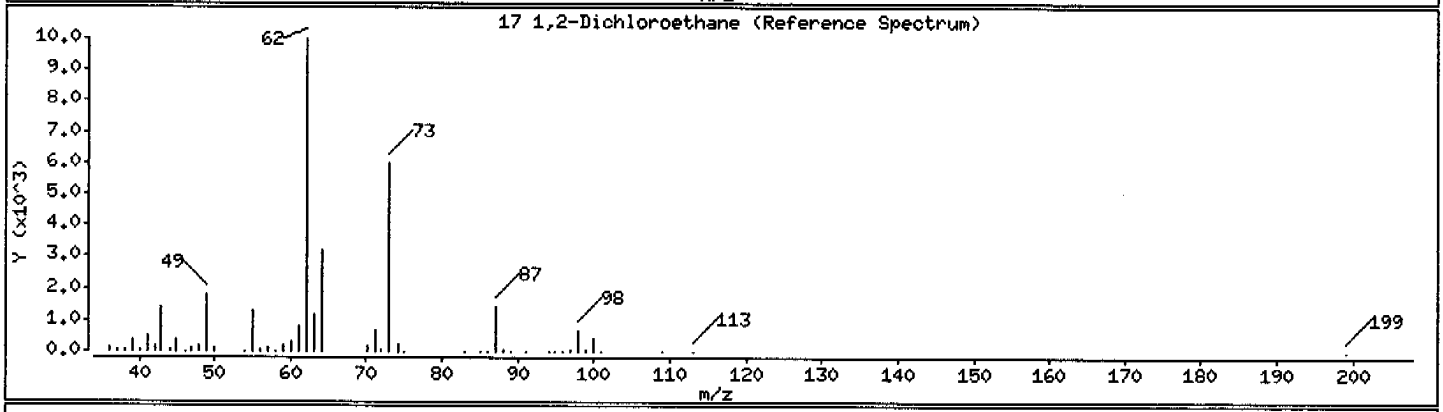
Purge Volume: 5.0 Operator: VOAMS 3

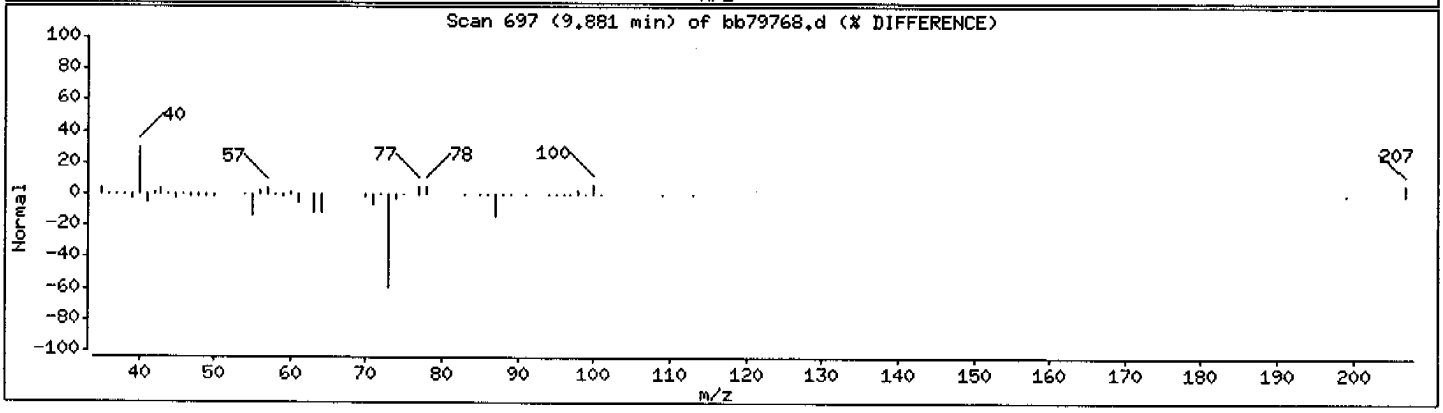
Column phase: Rtx-VMS Column diameter: 0.18

17 1,2-Dichloroethane Concentration: 1.3 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79768.d

Date : 19-OCT-2006 15:06

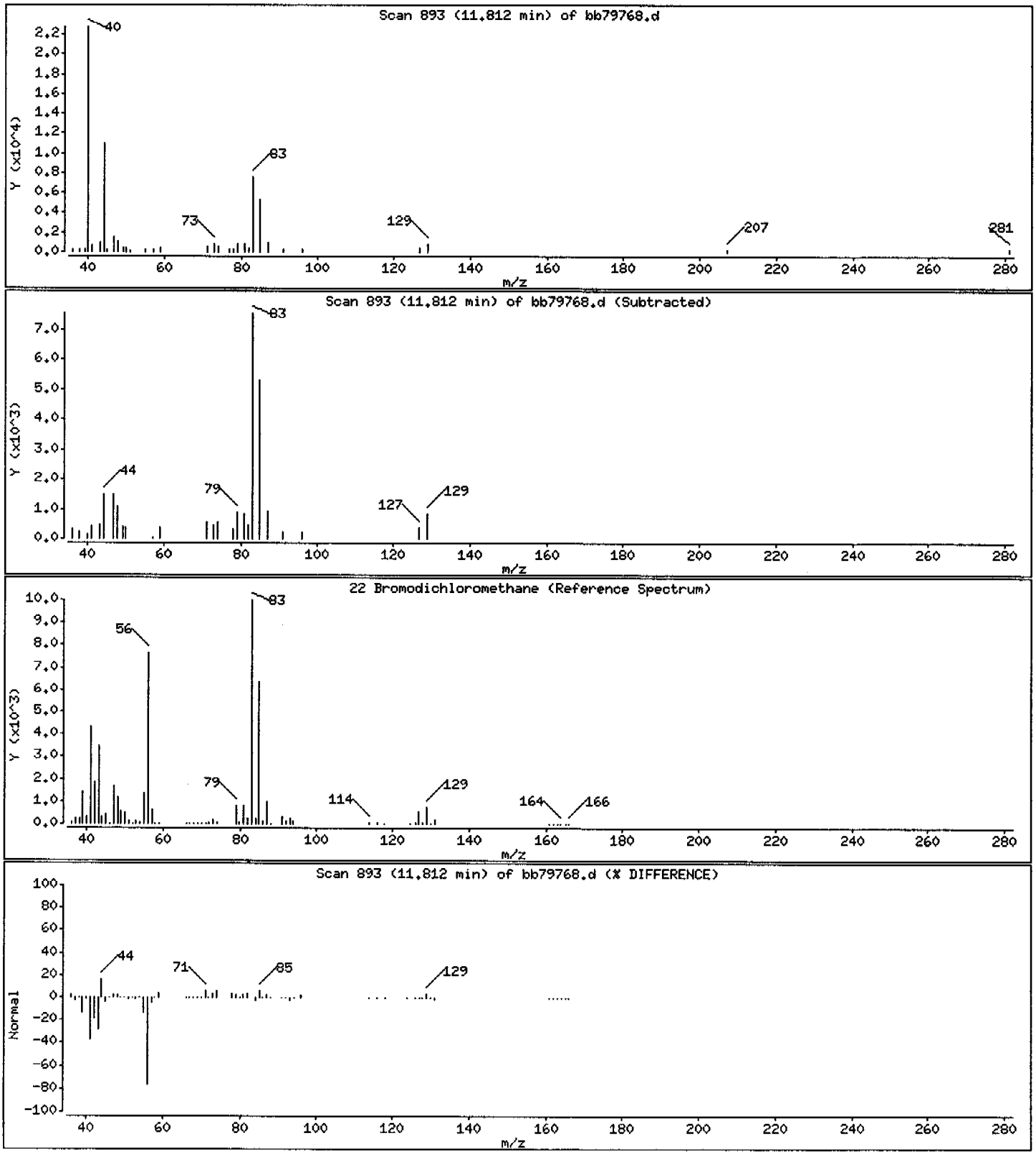
Client ID: MW05D-061017 Instrument: VOAMS10.i

Sample Info: 778390

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

22 Bromodichloromethane Concentration: 0.69 ug/L



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Date : 19-OCT-2006 15:06

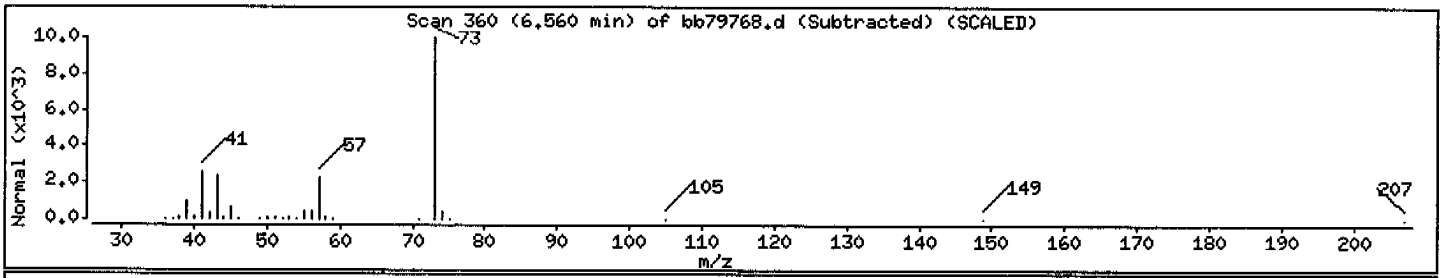
Client ID: MW05D-061017 Instrument: VOAMS10.i

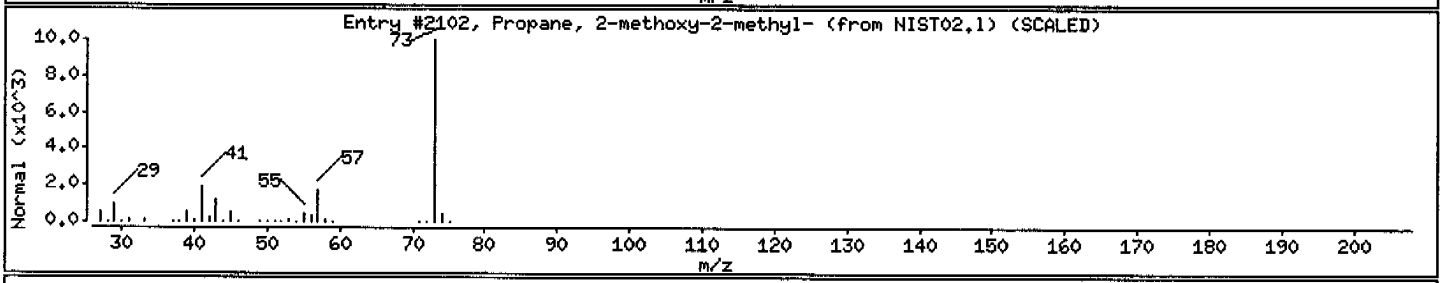
Sample Info: 778390

Purge Volume: 5.0 Operator: VOAMS 3

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propane, 2-methoxy-2-methyl-	1634-04-4	NIST02.l	2102	78	C5H12O	88





Client ID: **MW06-061017**
Site: Sun Chemical SI

Lab Sample No: **778391**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79852.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW06-061017**
Site: Sun Chemical SI

Lab Sample No: **778391**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79852.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79852.d
Report Date: 27-Oct-2006 10:14

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VOLATILE ORGANIC COMPOUND ANALYSIS

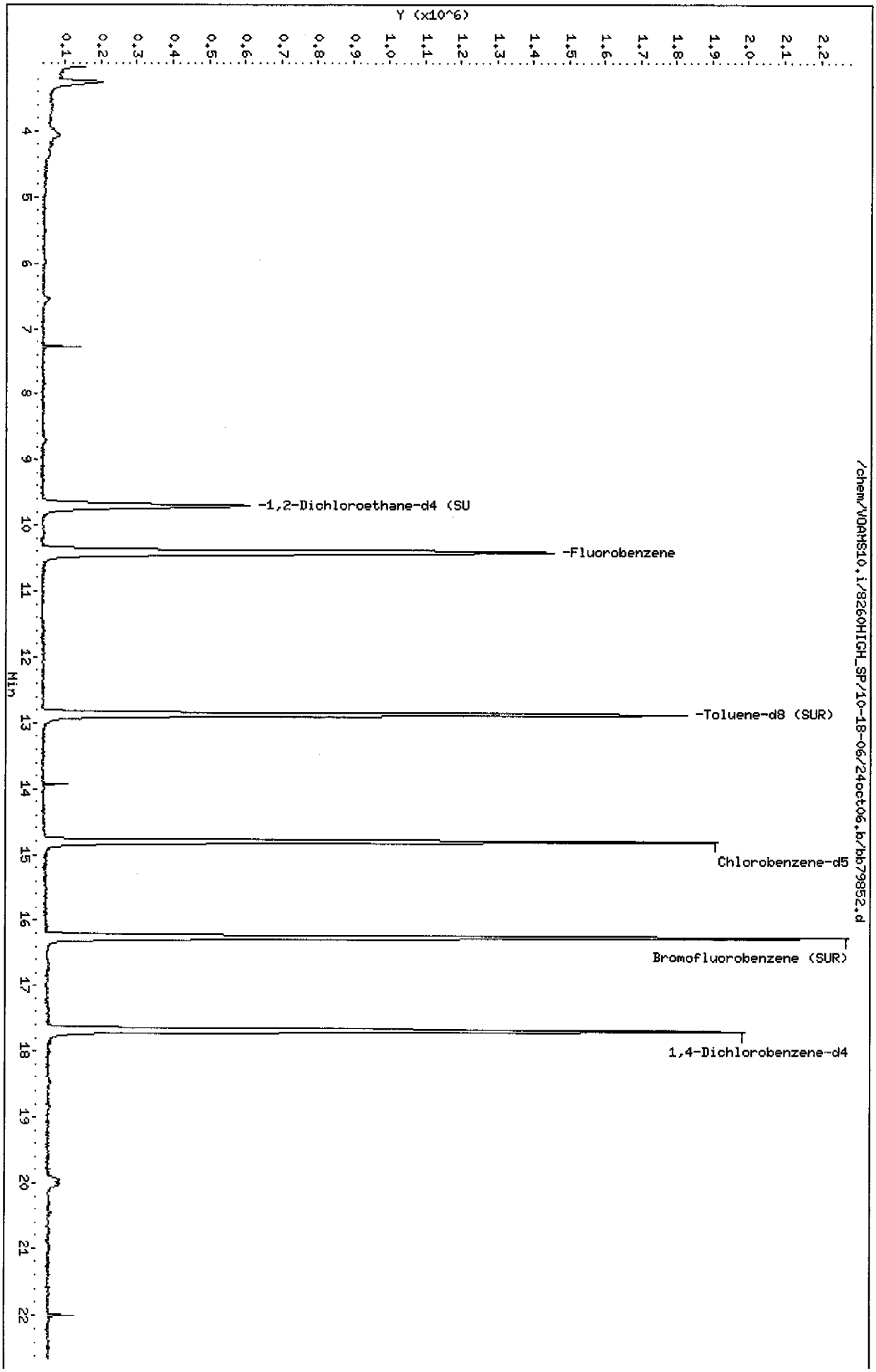
Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79852.d
Lab Smp Id: 778391 Client Smp ID: MW06-061017
Inj Date : 24-OCT-2006 11:29
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778391
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/8260H_06.m
Meth Date : 25-Oct-2006 16:59 ben Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.703	9.733	(0.932)	988071	51.0157	51
* 19 Fluorobenzene	96	10.412	10.432	(1.000)	3082445	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.866	12.876	(0.869)	2325630	51.9369	52
* 32 Chlorobenzene-d5	117	14.798	14.818	(1.000)	1813843	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	16.246	16.266	(0.919)	1047159	54.6223	55
* 91 1,4-Dichlorobenzene-d4	152	17.675	17.695	(1.000)	1028377	50.0000	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Date : 24-OCT-2006 11:29
Client ID: MW06-061017
Sample Info: 778391
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79852.d

Client ID: **MW07-061017**
Site: Sun Chemical SI

Lab Sample No: **778392**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79853.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **MW07-061017**
Site: Sun Chemical SI

Lab Sample No: **778392**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79853.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79853.d
Report Date: 27-Oct-2006 10:14

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79853.d
Lab Smp Id: 778392 Client Smp ID: MW07-061017
Inj Date : 24-OCT-2006 11:59
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778392
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/8260H_06.m
Meth Date : 27-Oct-2006 10:14 yzhang Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

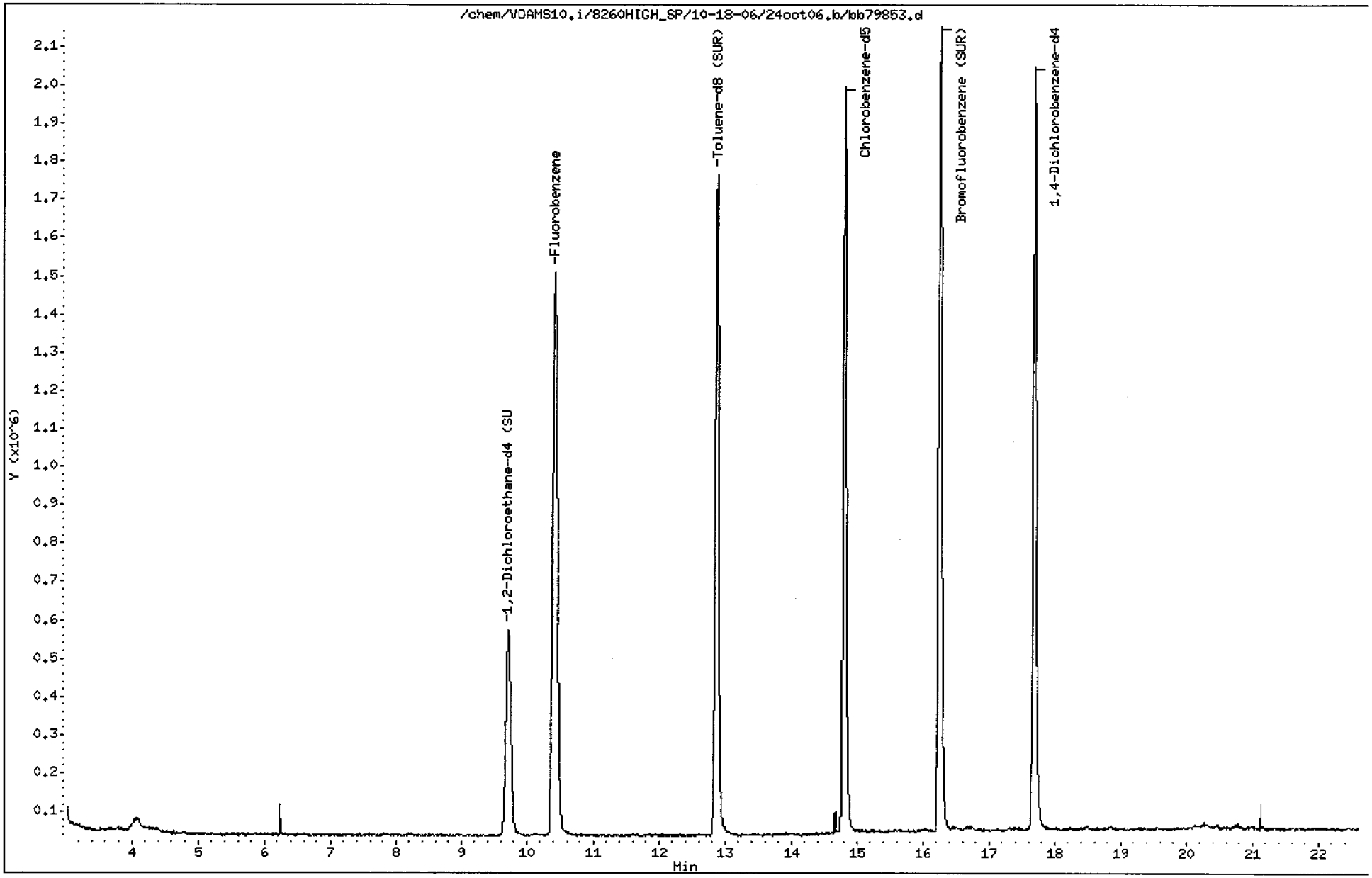
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.719	9.733	(0.932)	927367	46.3577	46
* 19 Fluorobenzene	96	10.428	10.432	(1.000)	3183759	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.872	12.876	(0.870)	2212122	48.6151	49
* 32 Chlorobenzene-d5	117	14.804	14.818	(1.000)	1843201	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	16.252	16.266	(0.919)	973246	50.7244	51
* 91 1,4-Dichlorobenzene-d4	152	17.681	17.695	(1.000)	1029238	50.0000	

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79853.d
Date : 24-OCT-2006 11:59
Client ID: MW07-061017
Sample Info: 778392
Purge Volume: 5.0
Column phase: Rtx-VMS

Instrument: VOAMS10.i

Operator: VOAMS 3
Column diameter: 0.18



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STL Edison
Y485

Client ID: **FB-061017**
Site: Sun Chemical SI

Lab Sample No: **778393**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79761.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **FB-061017**
Site: Sun Chemical SI

Lab Sample No: **778393**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79761.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79761.d
Report Date: 24-Oct-2006 19:03

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

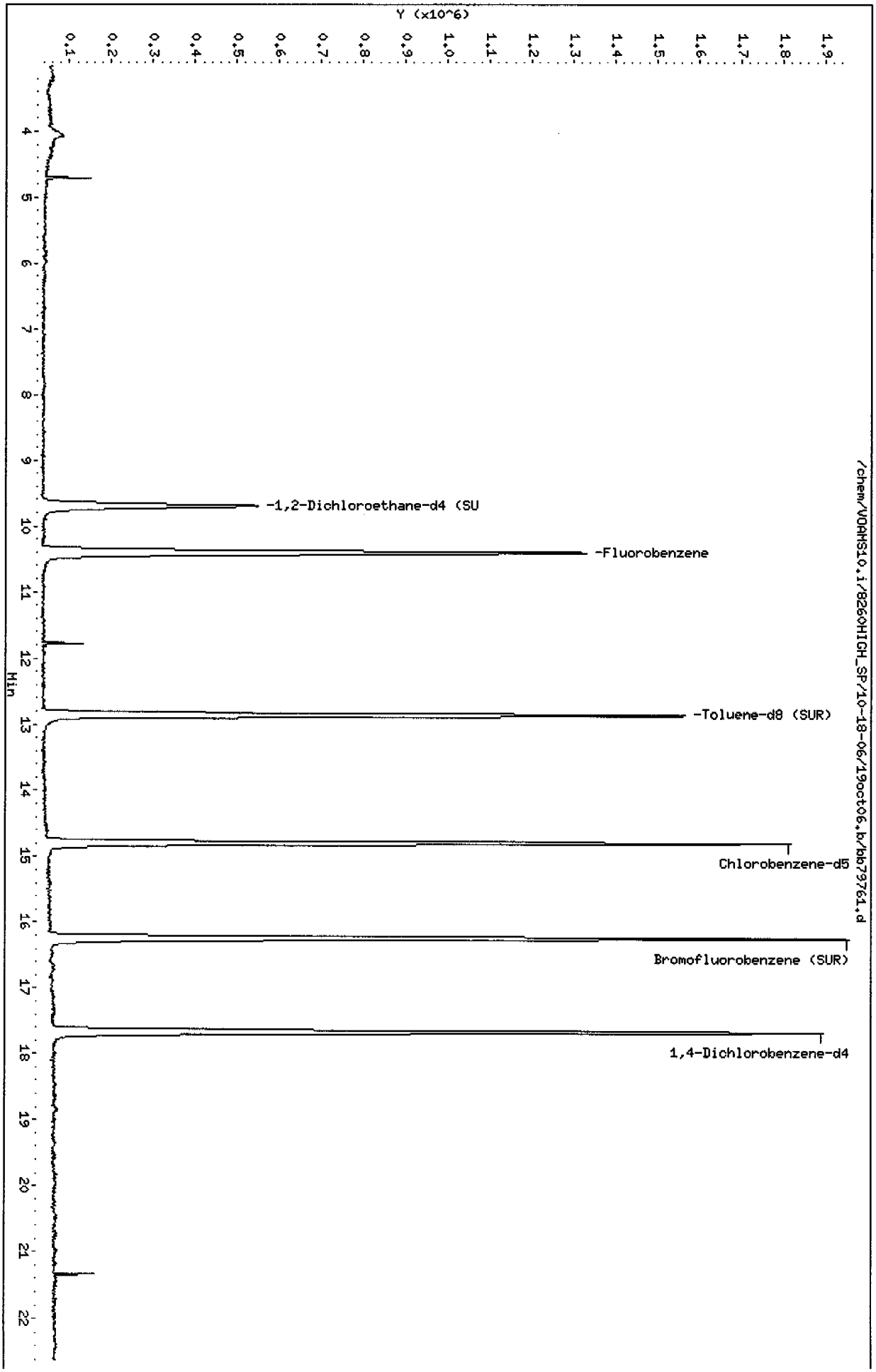
Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79761.d
Lab Smp Id: 778393 Client Smp ID: FB-061017
Inj Date : 19-OCT-2006 11:38
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778393
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.693	9.678	(0.932)	901431	52.0107	52
* 19 Fluorobenzene	96	10.402	10.398	(1.000)	2758359	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.856	12.841	(0.869)	1981669	49.3804	49
* 32 Chlorobenzene-d5	117	14.788	14.783	(1.000)	1625590	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	16.236	16.232	(0.919)	878003	49.8234	50
* 91 1,4-Dichlorobenzene-d4	152	17.665	17.661	(1.000)	945306	50.0000	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Date : 19-OCT-2006 11:38
Client ID: FB-061017
Sample Info: 778393
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79764.d

Client ID: **TB-061017**
Site: Sun Chemical SI

Lab Sample No: **778394**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79762.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **TB-061017**
Site: Sun Chemical SI

Lab Sample No: **778394**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79762.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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11.				
12.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79762.d
Report Date: 24-Oct-2006 19:03

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79762.d
Lab Smp Id: 778394 Client Smp ID: TB-061017
Inj Date : 19-OCT-2006 12:07
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778394
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

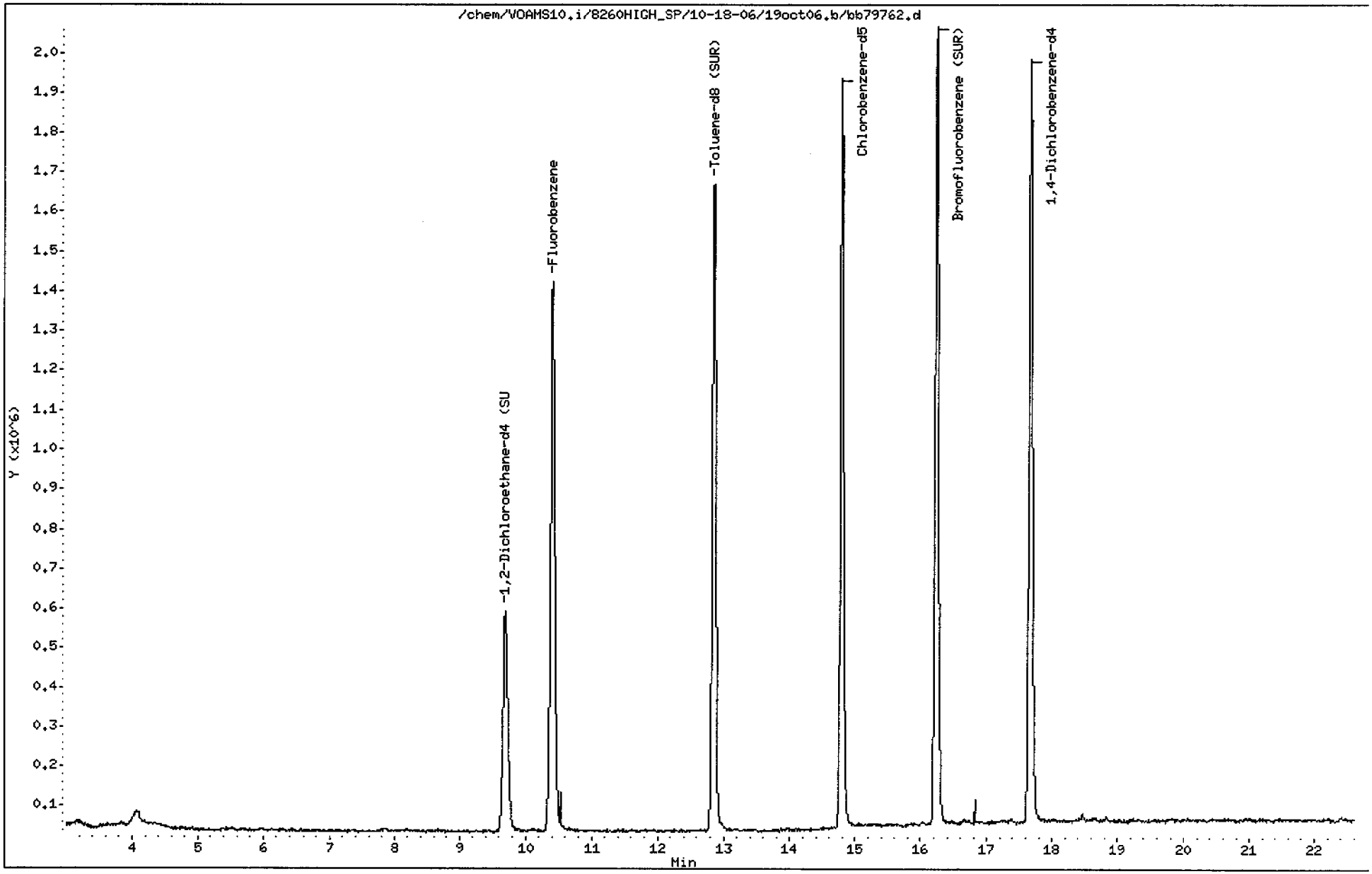
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.693	9.678	(0.932)	981887	53.0514	53
* 19 Fluorobenzene	96	10.403	10.398	(1.000)	2945612	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.847	12.841	(0.869)	2072699	48.6241	49
* 32 Chlorobenzene-d5	117	14.788	14.783	(1.000)	1726710	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	16.237	16.232	(0.919)	917174	49.5805	50
* 91 1,4-Dichlorobenzene-d4	152	17.666	17.661	(1.000)	992318	50.0000	

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79762.d
Date : 19-OCT-2006 12:07
Client ID: TB-061017
Sample Info: 778394
Purge Volume: 5.0
Column phase: Rtx-VMS

Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18



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STL Edison
Y485

Client ID: **MW03-061017D**
Site: Sun Chemical SI

Lab Sample No: **778395**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79776.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	25
Bromomethane	ND	25
Vinyl Chloride	5.8J	25
Chloroethane	ND	25
Methylene Chloride	32	15
Acetone	ND	25
Carbon Disulfide	ND	25
1,1-Dichloroethene	160	10
1,1-Dichloroethane	540	25
trans-1,2-Dichloroethene	ND	25
cis-1,2-Dichloroethene	ND	25
Chloroform	21 J	25
1,2-Dichloroethane	550	10
2-Butanone	ND	25
1,1,1-Trichloroethane	11 J	25
Carbon Tetrachloride	ND	10
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	7.1	5.0
cis-1,3-Dichloropropene	ND	25
Trichloroethene	ND	5.0
Dibromochloromethane	ND	25
1,1,2-Trichloroethane	3.1J	15
Benzene	20	5.0
trans-1,3-Dichloropropene	ND	25
Bromoform	ND	20
4-Methyl-2-Pentanone	ND	25
2-Hexanone	ND	25
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND	25
Chlorobenzene	ND	25
Ethylbenzene	ND	20
Styrene	ND	25
Xylene (Total)	ND	25

Client ID: **MW03-061017D**
Site: Sun Chemical SI

Lab Sample No: **778395**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79776.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79776.d
Report Date: 24-Oct-2006 19:04

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d
Lab Smp Id: 778395 Client Smp ID: MW03-061017D
Inj Date : 19-OCT-2006 19:03
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : 778395;5
Misc Info : Y485;3749;;YZ
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 4
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: HSLVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Vo	5.00000	SampleVolume

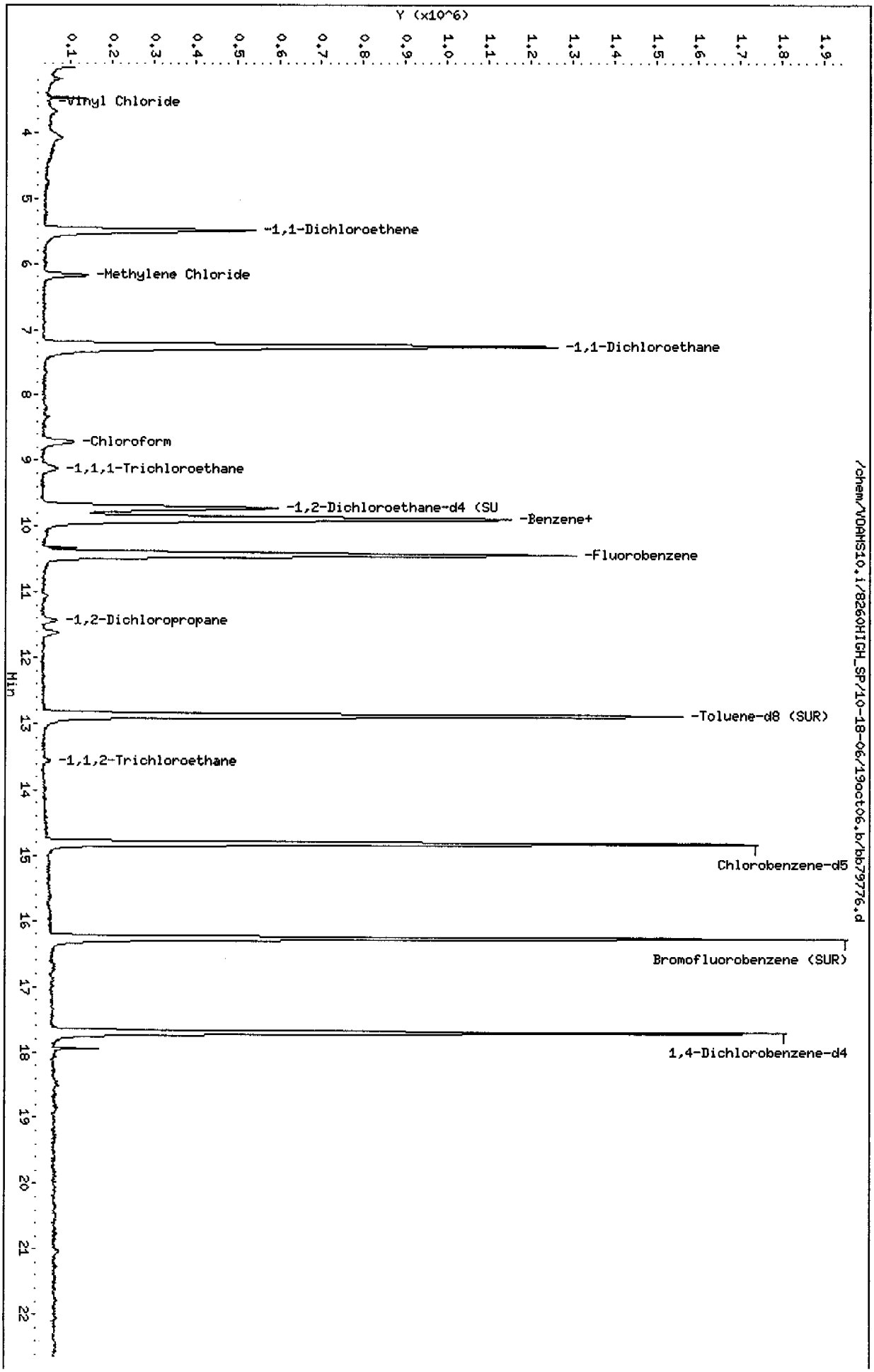
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	4 Vinyl Chloride	62	3.702	3.677	(0.355)	13037	1.16026	5.8(a)
	10 1,1-Dichloroethene	96	5.495	5.450	(0.527)	445786	32.3235	160
	6 Methylene Chloride	84	6.175	6.140	(0.592)	96998	6.31537	32
	11 1,1-Dichloroethane	63	7.250	7.214	(0.695)	3044322	108.349	540
	15 Chloroform	83	8.718	8.683	(0.836)	141587	4.18950	21(a)
	20 1,1,1-Trichloroethane	97	9.132	9.087	(0.875)	64401	2.15515	11(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.733	9.678	(0.933)	925487	55.4738	55
	28 Benzene	78	9.891	9.836	(0.948)	180878	3.95017	20
	17 1,2-Dichloroethane	62	9.881	9.846	(0.947)	2229315	110.555	550
*	19 Fluorobenzene	96	10.433	10.398	(1.000)	2655175	50.0000	
	23 1,2-Dichloropropane	63	11.418	11.403	(1.094)	25105	1.42812	7.1
$	37 Toluene-d8 (SUR)	98	12.867	12.841	(0.869)	1955466	50.5878	50
	27 1,1,2-Trichloroethane	83	13.547	13.531	(0.915)	8694	0.61967	3.1(a)
*	32 Chlorobenzene-d5	117	14.808	14.783	(1.000)	1565810	50.0000	
$	41 Bromofluorobenzene (SUR)	174	16.257	16.232	(0.919)	855373	51.2199	51
*	91 1,4-Dichlorobenzene-d4	152	17.686	17.661	(1.000)	895832	50.0000	

Data File: bb79776.d
Report Date: 24-Oct-2006 19:04

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).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Date : 19-OCT-2006 19:03
Client ID: MW03-061017D
Sample Info: 778395;5
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
-Vinyl Chloride
-1,1-Dichloroethene
-Methylene Chloride
-1,1-Dichloroethane
-Chloroform
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4 (SU
-Benzene+
-Fluorobenzene
-1,2-Dichloropropane
-Toluene-d8 (SUR)
-1,1,2-Trichloroethane
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
Min
4
5
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21
22
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

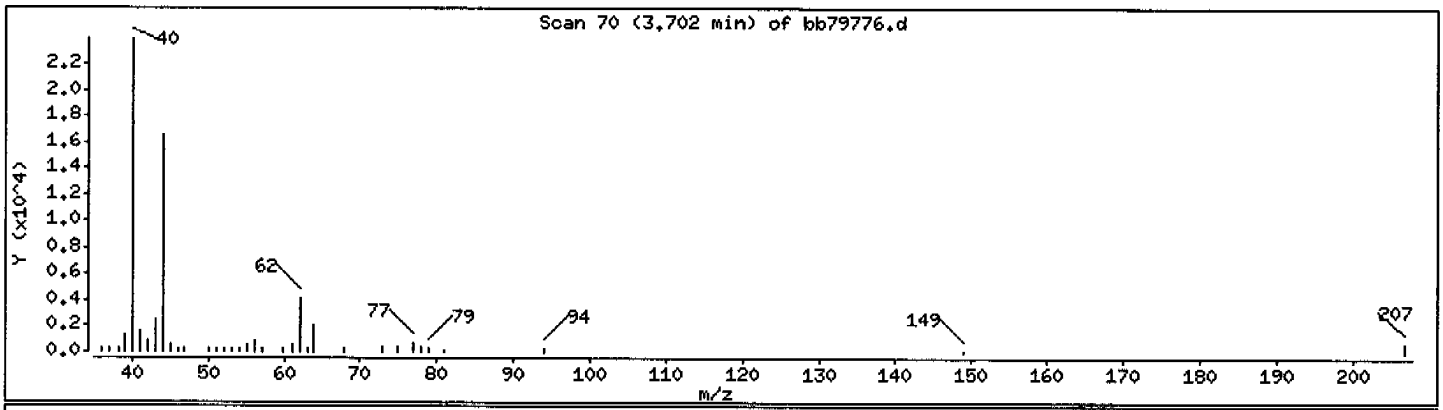
Operator: VOAMS 3

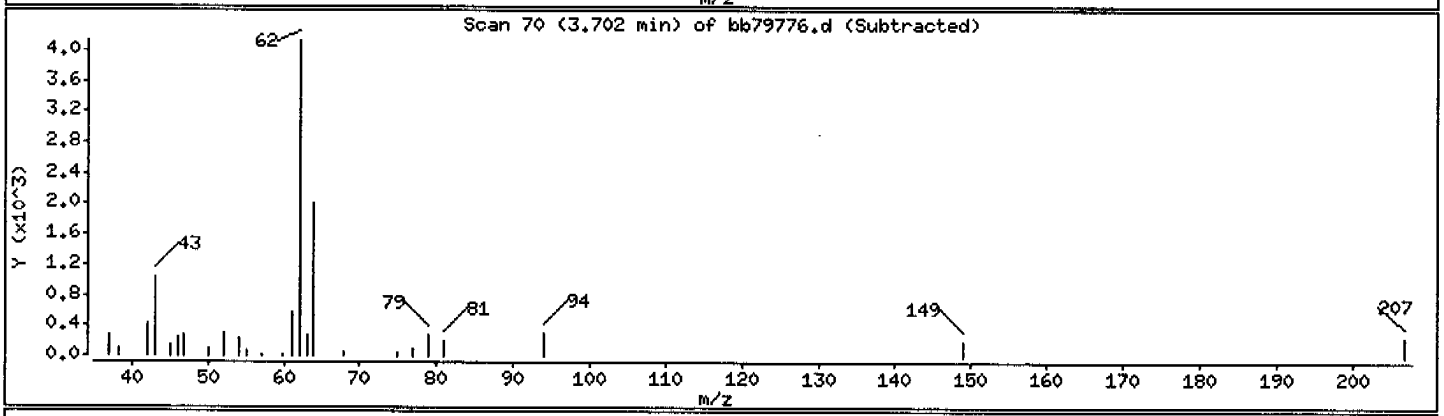
Column phase: Rtx-VMS

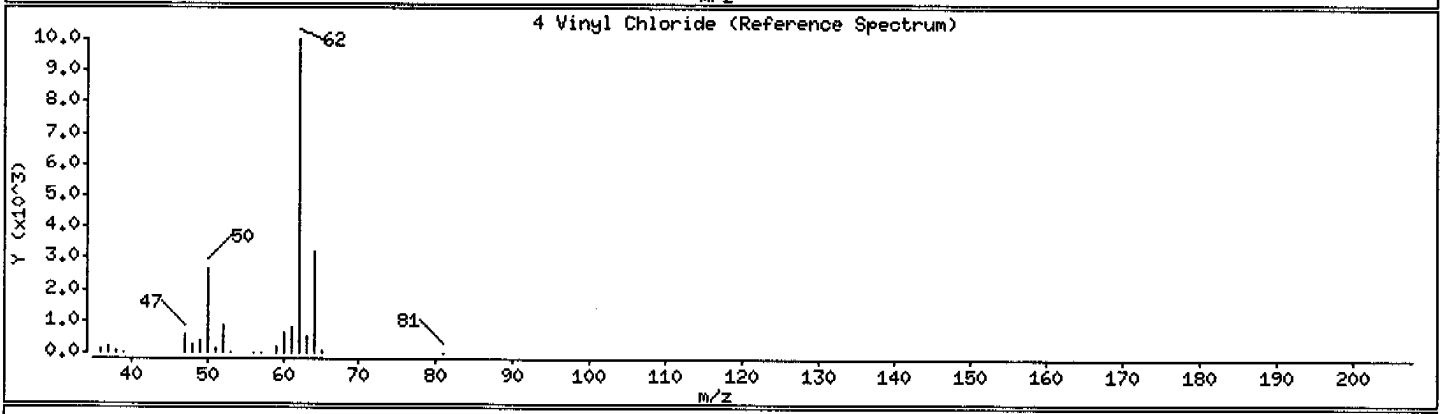
Column diameter: 0.18

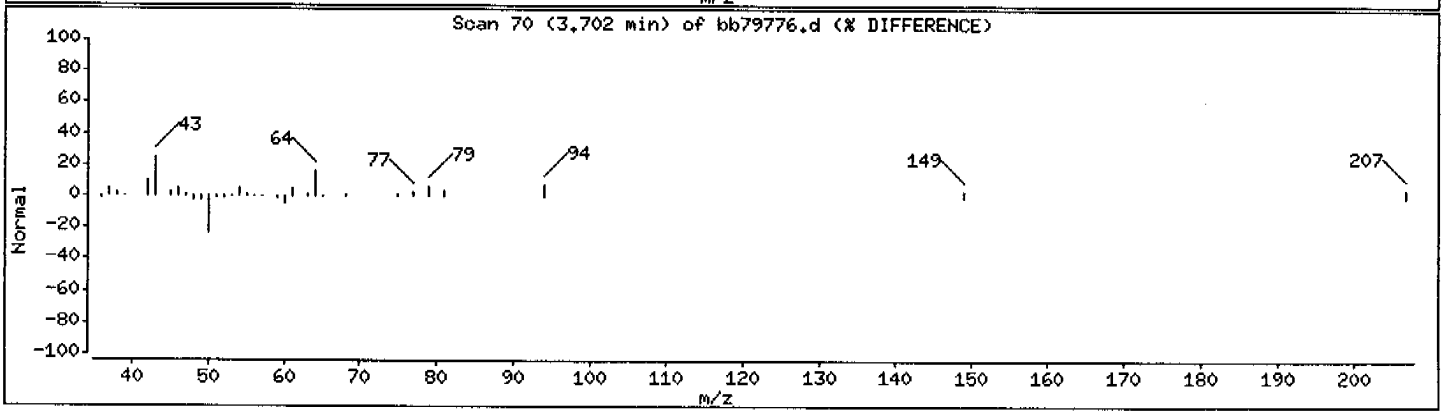
4 Vinyl Chloride

Concentration: 5.8 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

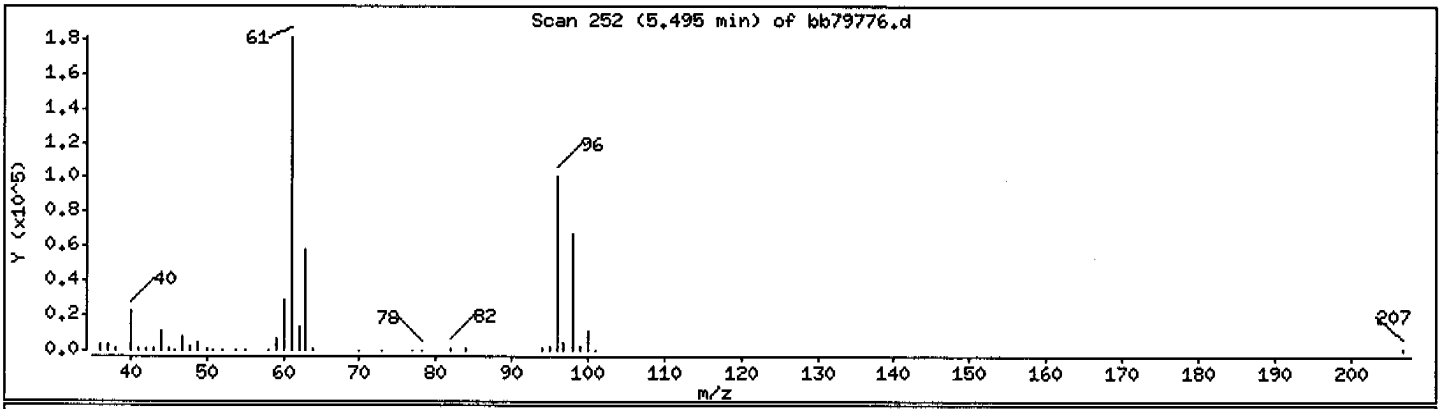
Operator: VOAMS 3

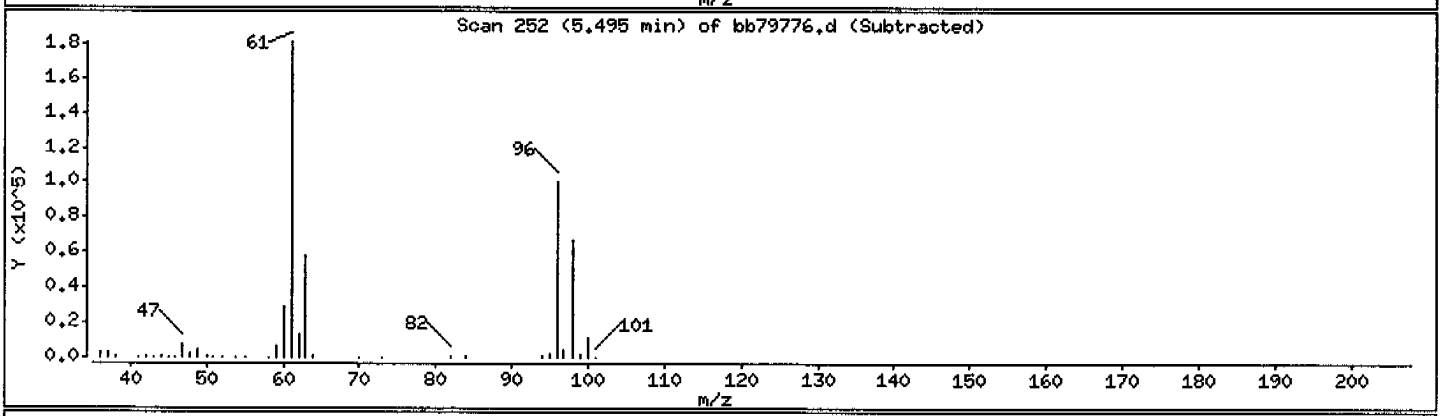
Column phase: Rtx-VMS

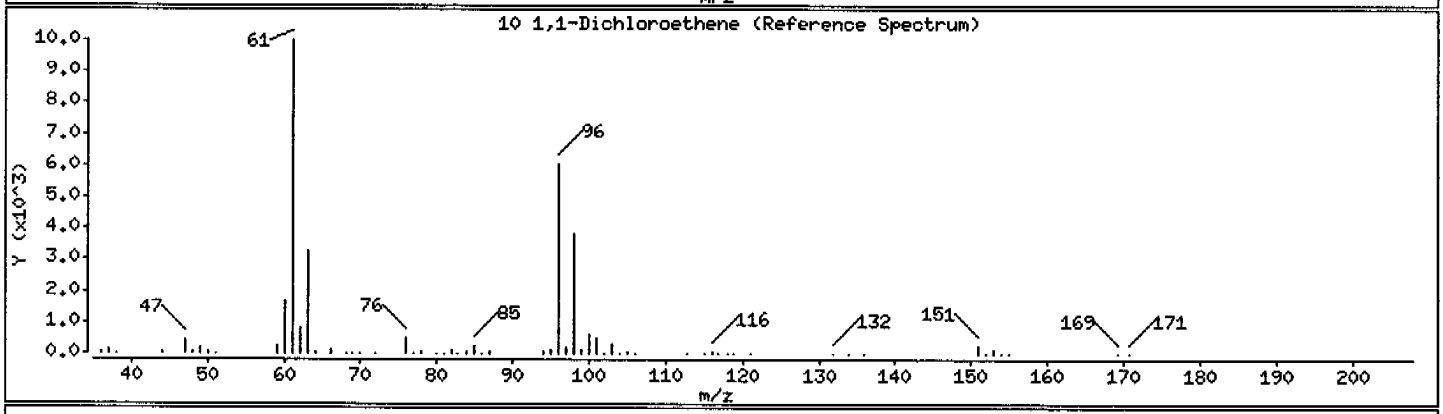
Column diameter: 0.18

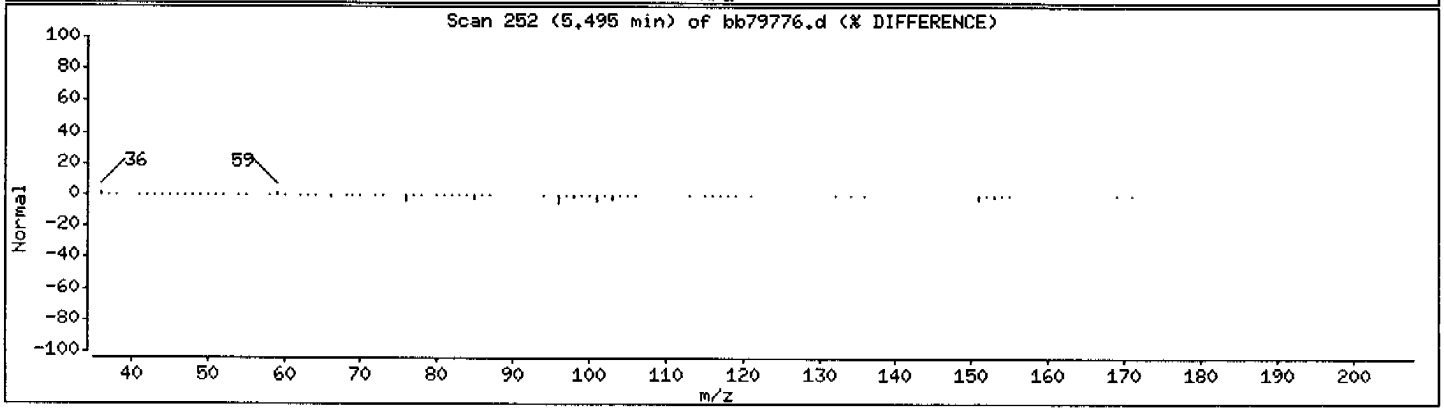
10 1,1-Dichloroethene

Concentration: 160 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

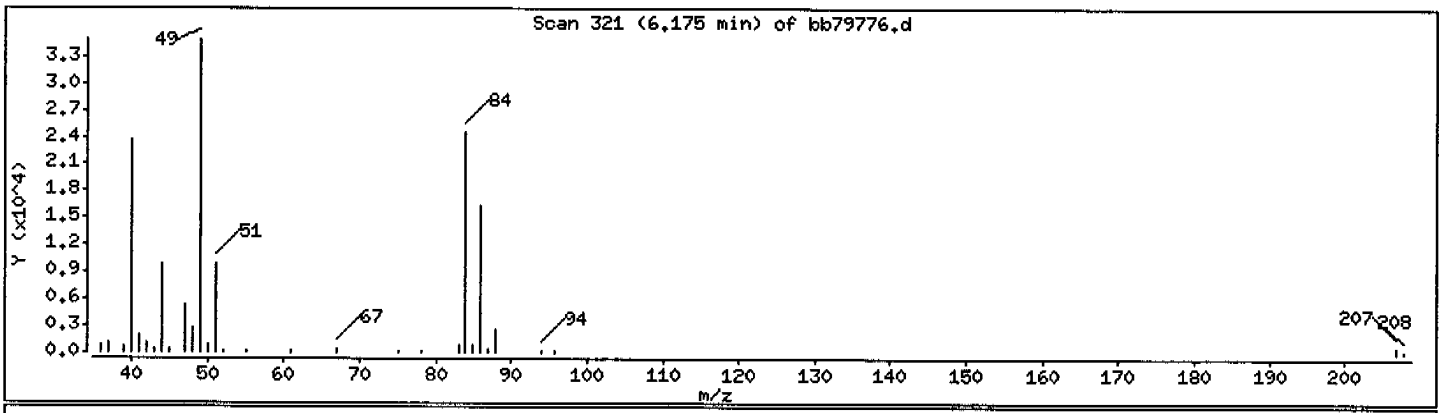
Operator: VOAMS 3

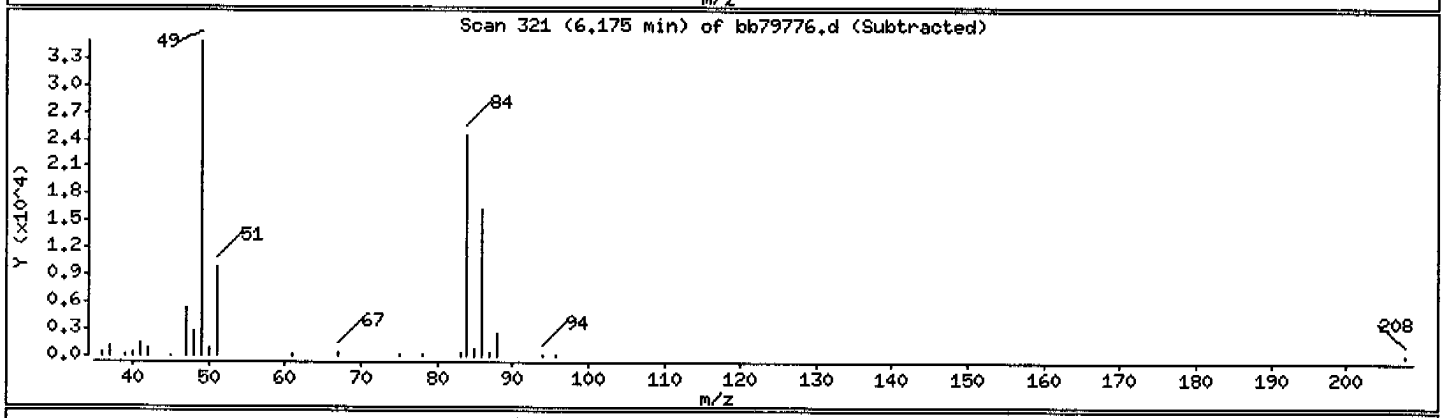
Column phase: Rtx-VMS

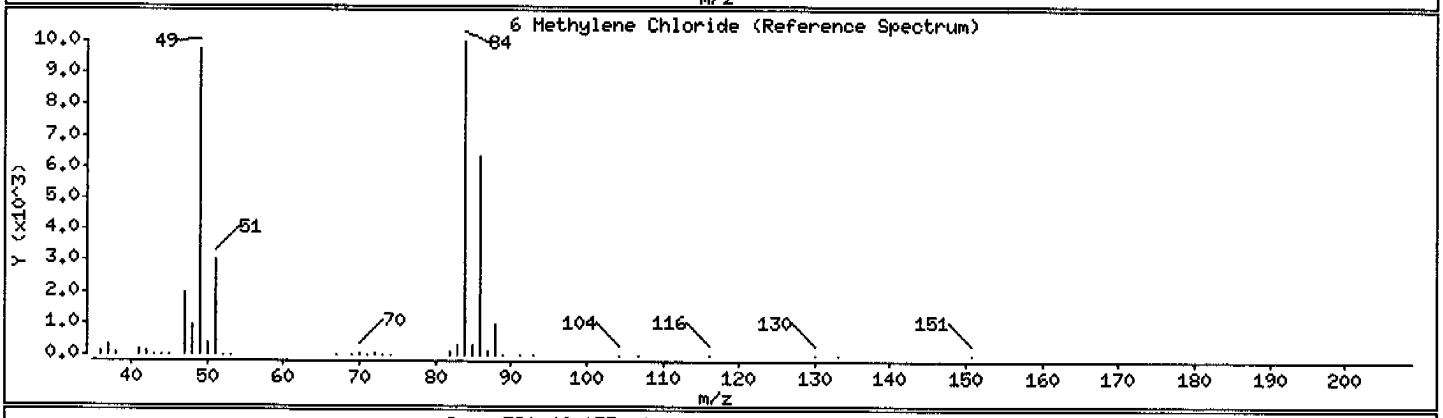
Column diameter: 0.18

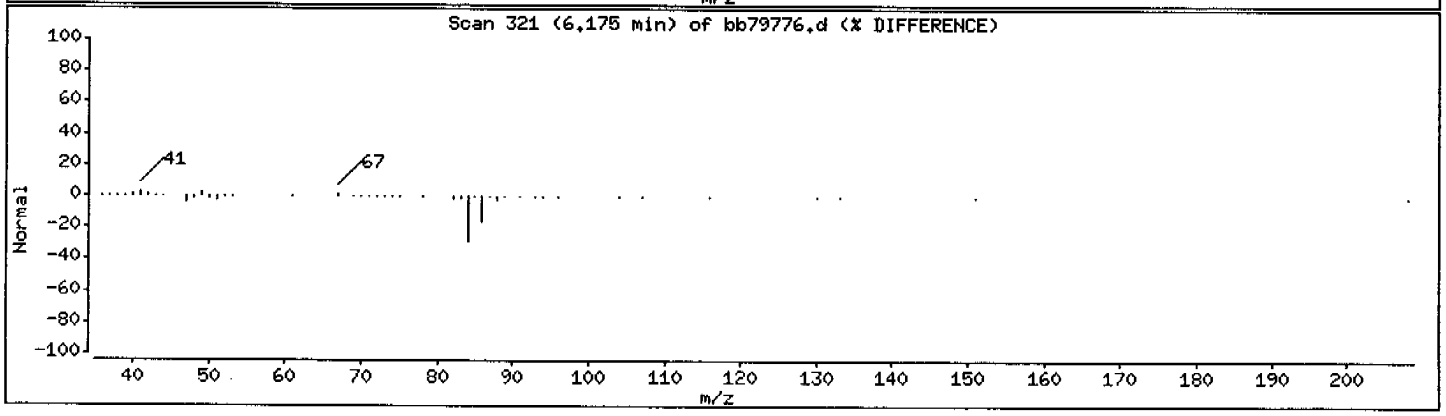
6 Methylene Chloride

Concentration: 32 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

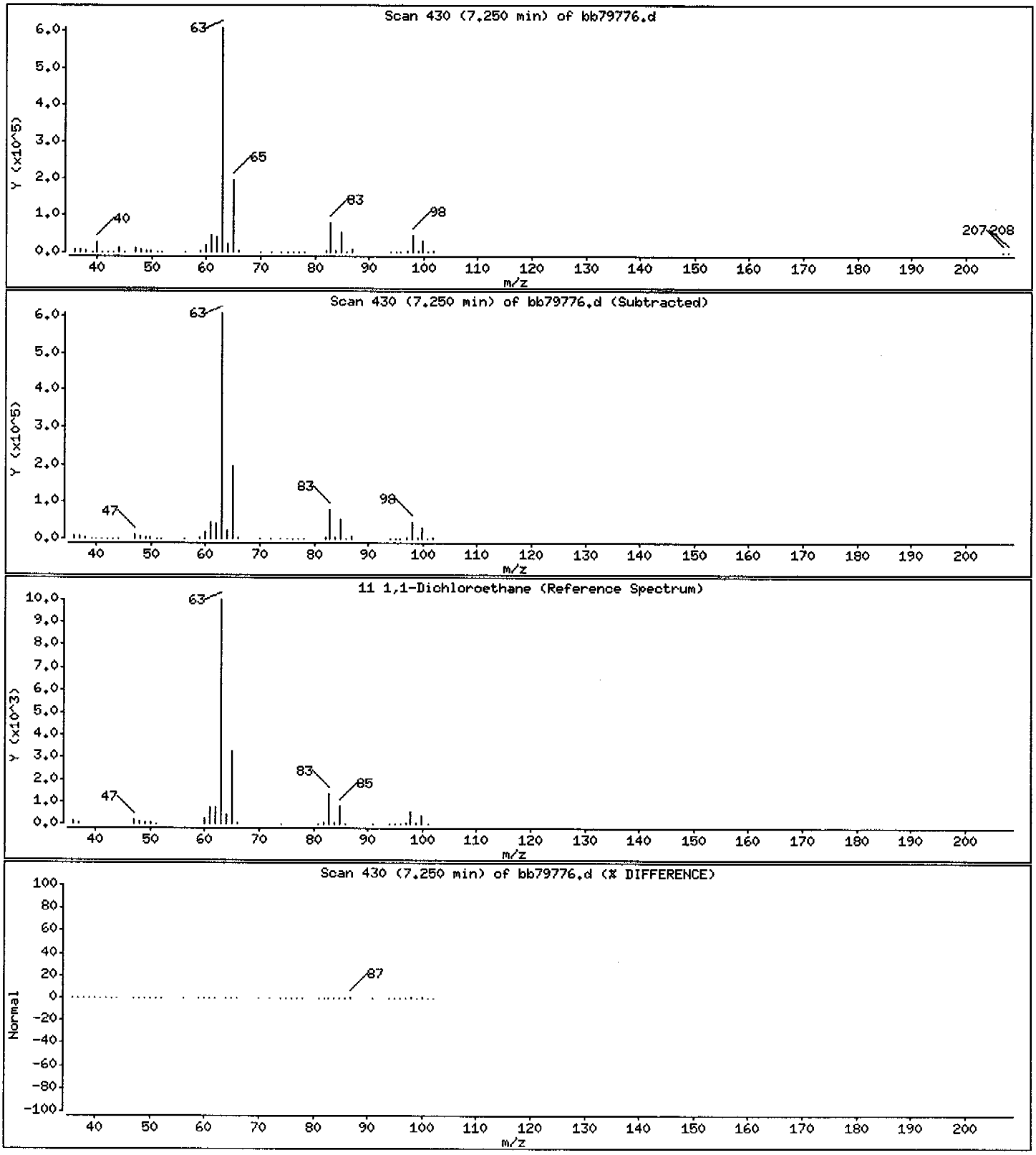
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

11 1,1-Dichloroethane

Concentration: 540 ug/L



Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

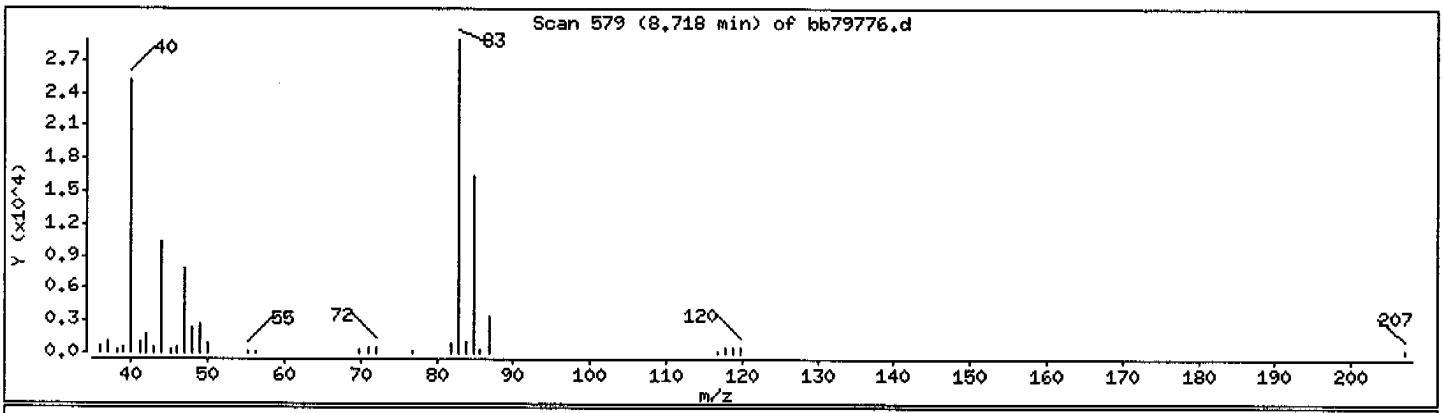
Operator: VOAMS 3

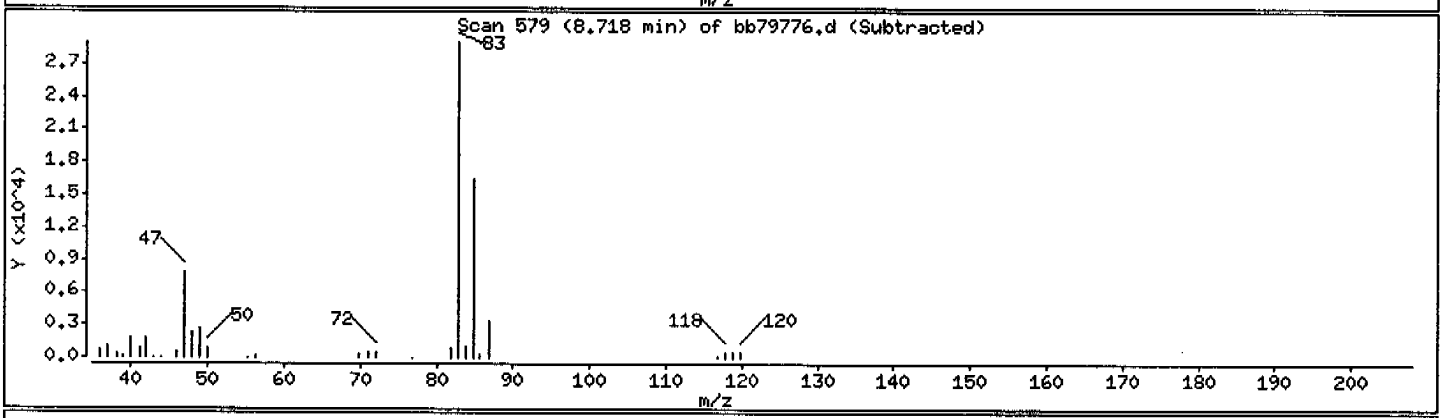
Column phase: Rtx-VMS

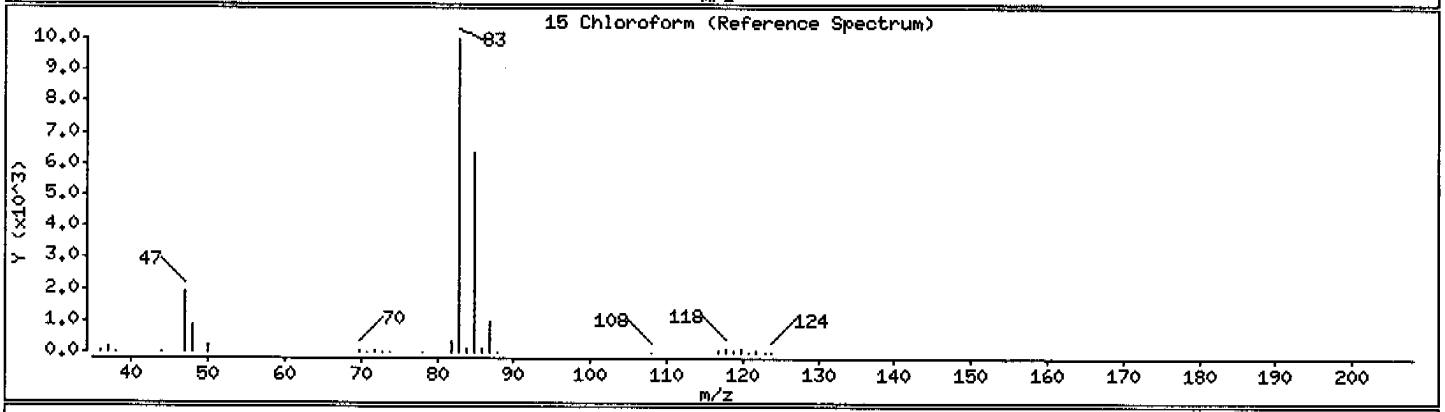
Column diameter: 0.18

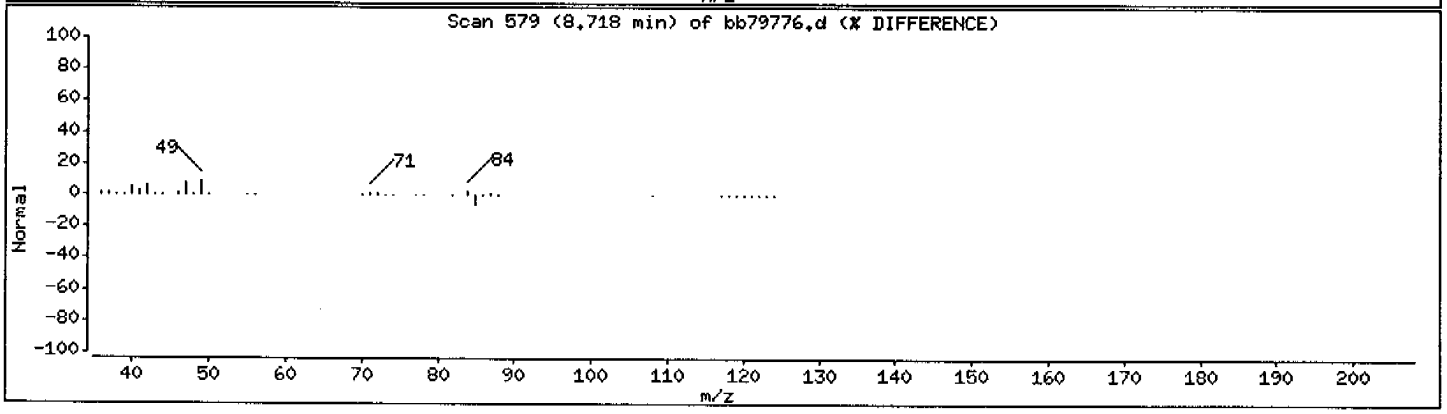
15 Chloroform

Concentration: 21 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

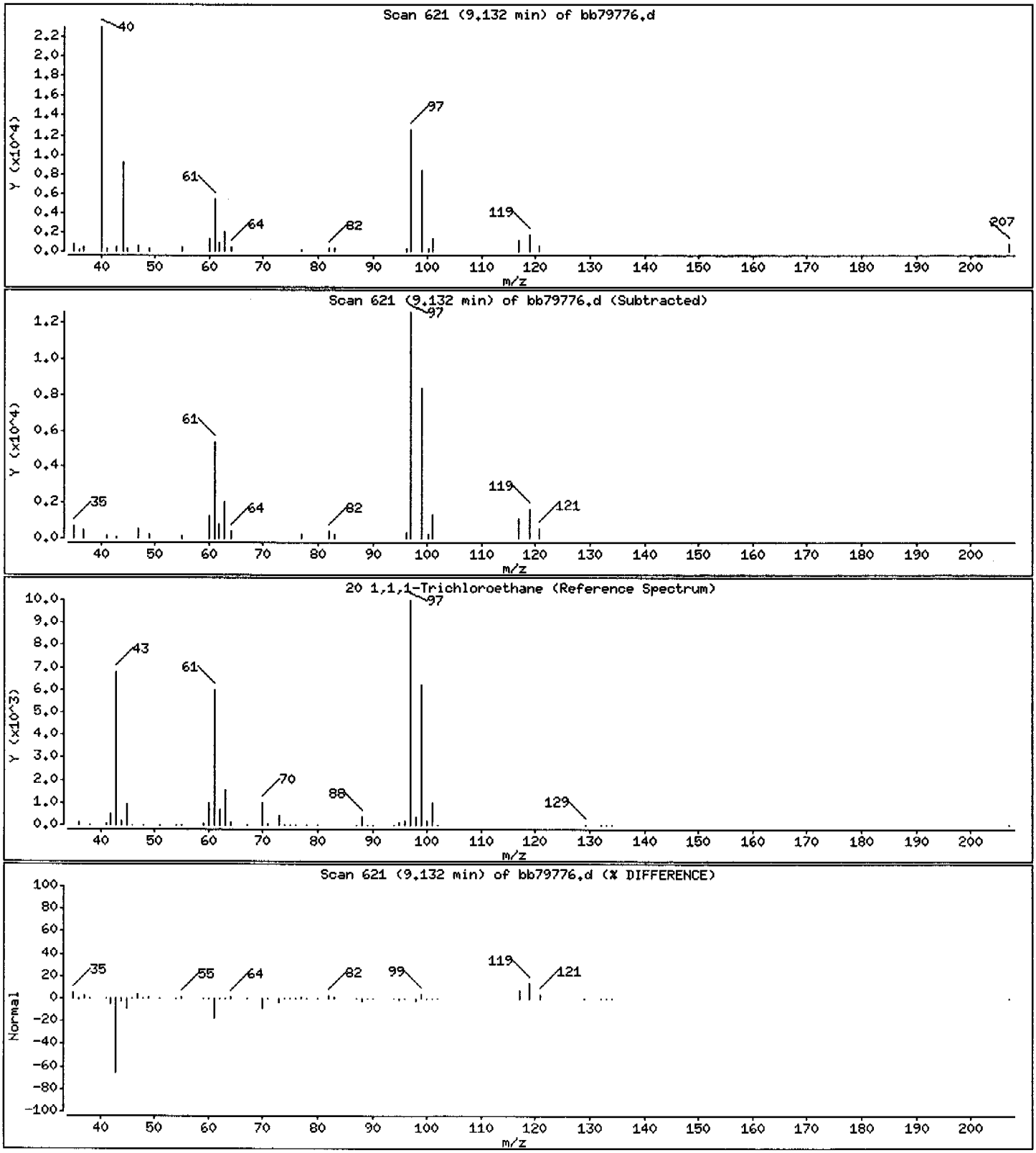
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

20 1,1,1-Trichloroethane

Concentration: 11 ug/L



Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

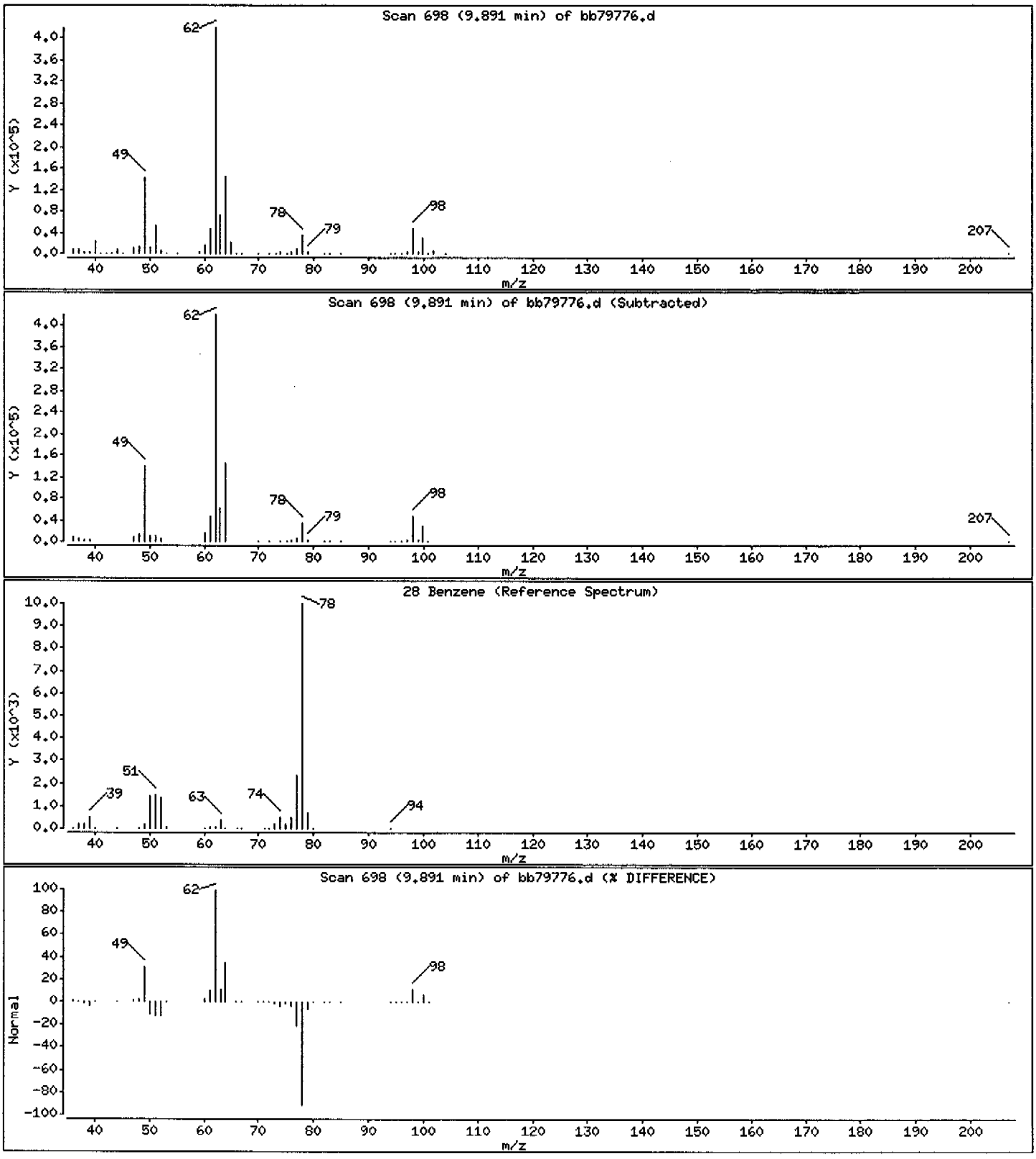
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

28 Benzene

Concentration: 20 ug/L



Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

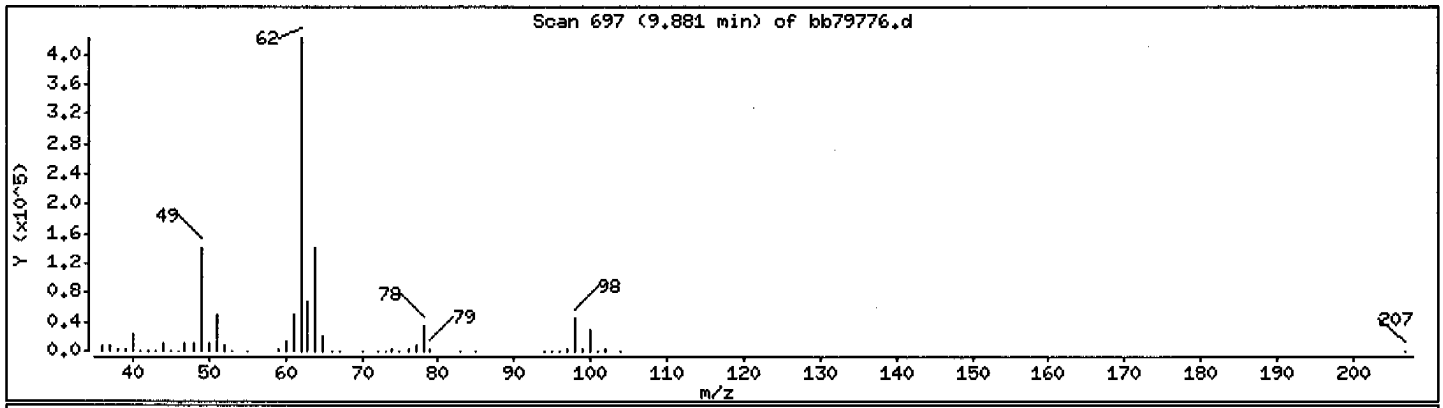
Operator: VOAMS 3

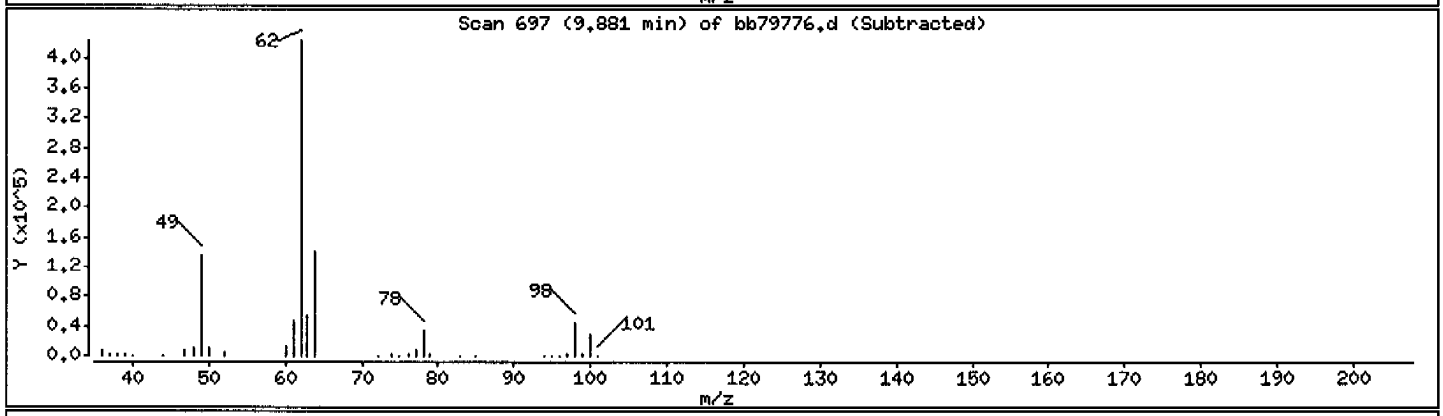
Column phase: Rtx-VMS

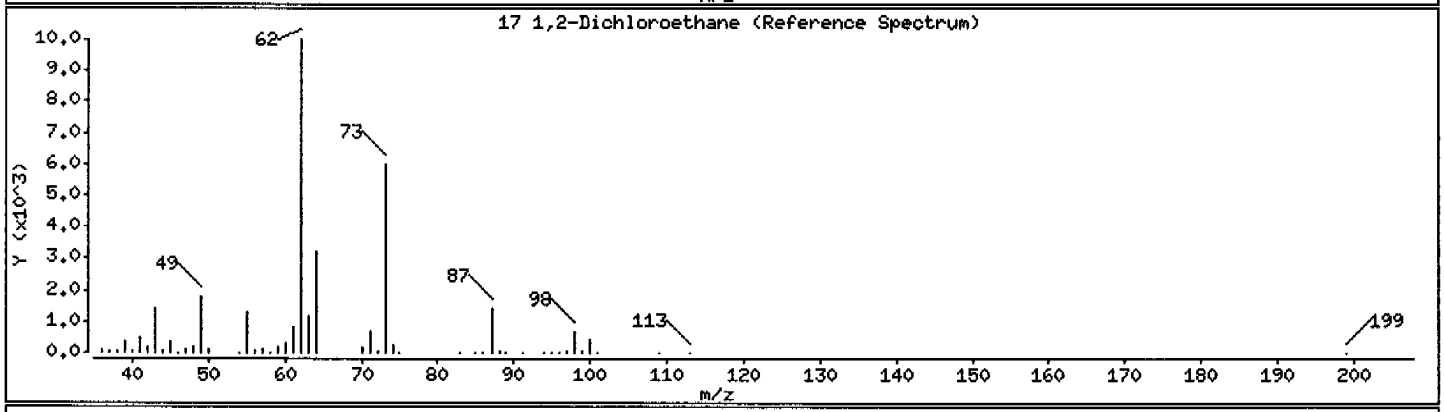
Column diameter: 0.18

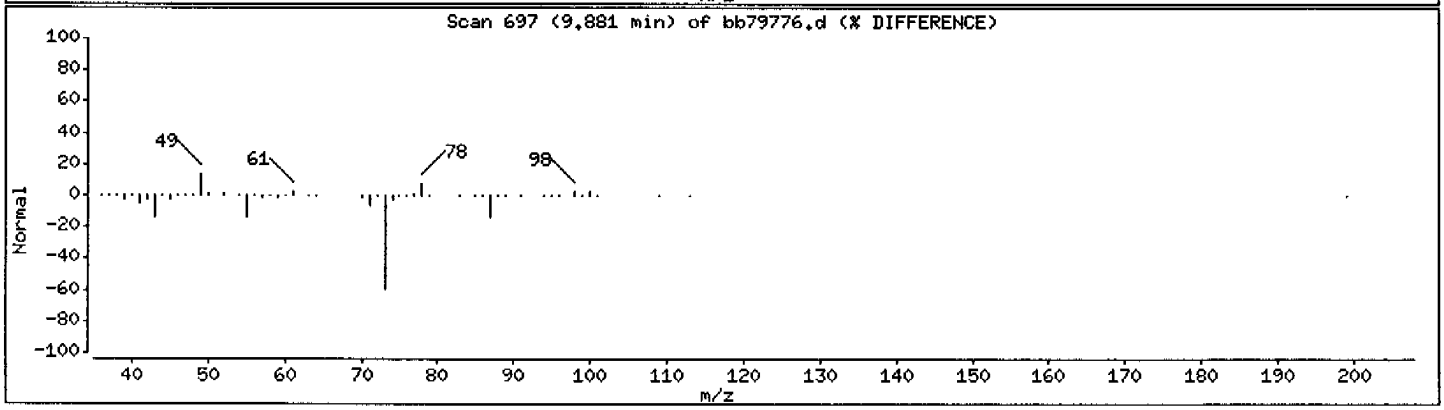
17 1,2-Dichloroethane

Concentration: 550 ug/L









Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

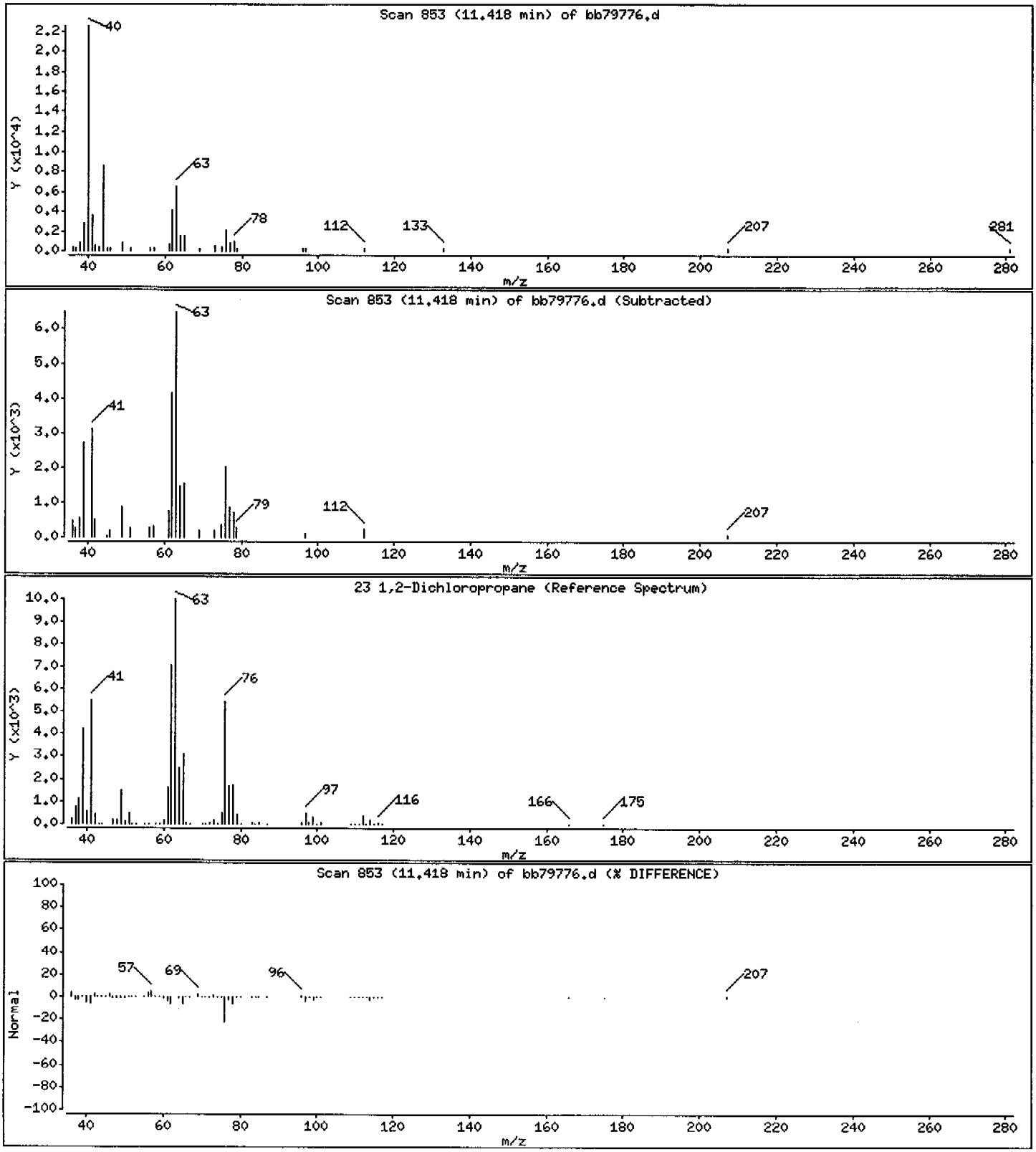
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

23 1,2-Dichloropropane

Concentration: 7.1 ug/L



Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79776.d

Date : 19-OCT-2006 19:03

Client ID: MW03-061017D

Instrument: VOAMS10.i

Sample Info: 778395;5

Purge Volume: 5.0

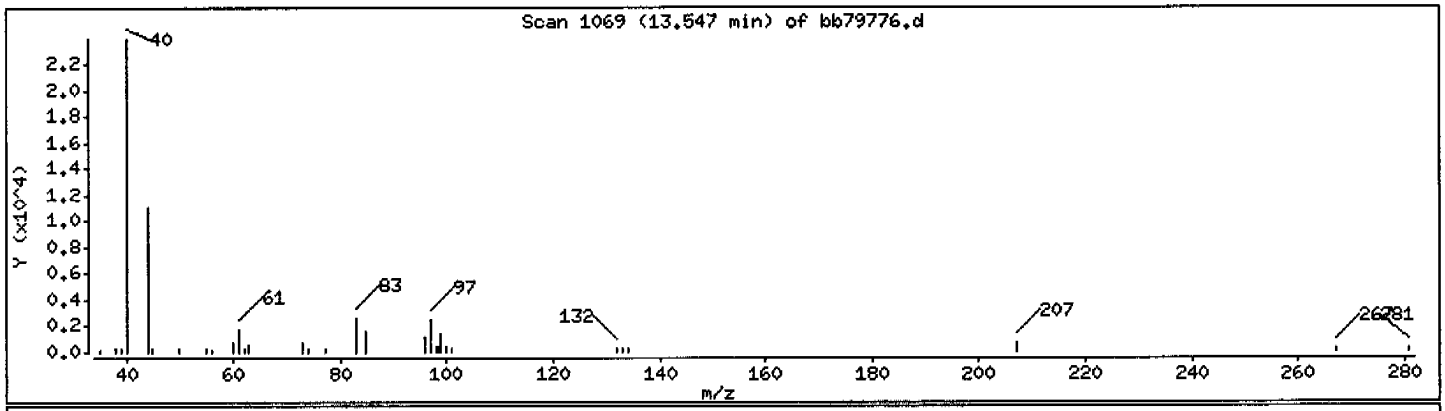
Operator: VOAMS 3

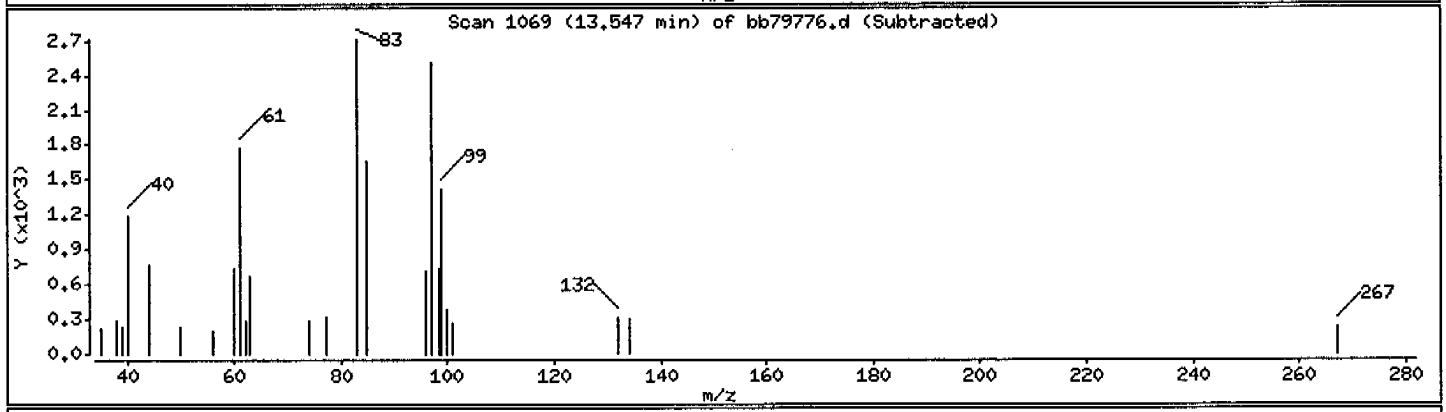
Column phase: Rtx-VMS

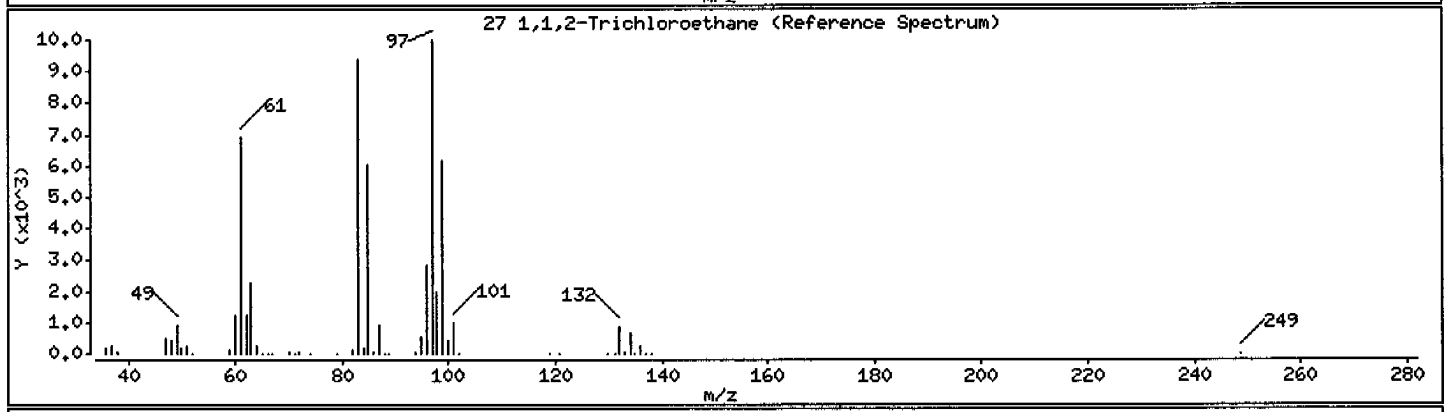
Column diameter: 0.18

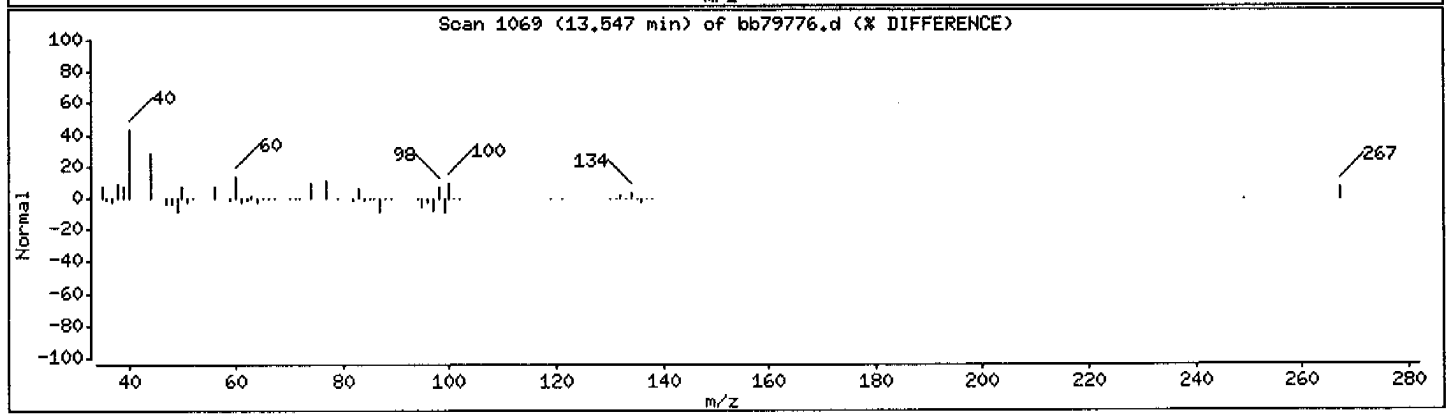
27 1,1,2-Trichloroethane

Concentration: 3.1 ug/L









Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: BB79743

BFB Injection Date: 10/18/06

Instrument ID: VOAMS10

BFB Injection Time: 1203

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	64.5
175	5.0 - 9.0% of mass 174	4.7 (7.3)1
176	95.0 - 101.0% of mass 174	62.9 (97.6)1
177	5.0 - 9.0% of mass 176	4.2 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BBSTD020	BBSTD020	BB79747	10/18/06	1426
02	BBSTD050	BBSTD050	BB79748	10/18/06	1456
03	BBSTD100	BBSTD100	BB79749	10/18/06	1527
04	BBSTD200	BBSTD200	BB79750	10/18/06	1557
05	BBSTD005	BBSTD005	BB79752	10/18/06	1943
06	BBSTD010	BBSTD010	BB79753	10/18/06	2013
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/18oct06.b/bb79743.d

Date : 18-OCT-2006 12:03

Client ID:

Instrument: VOAMS10.i

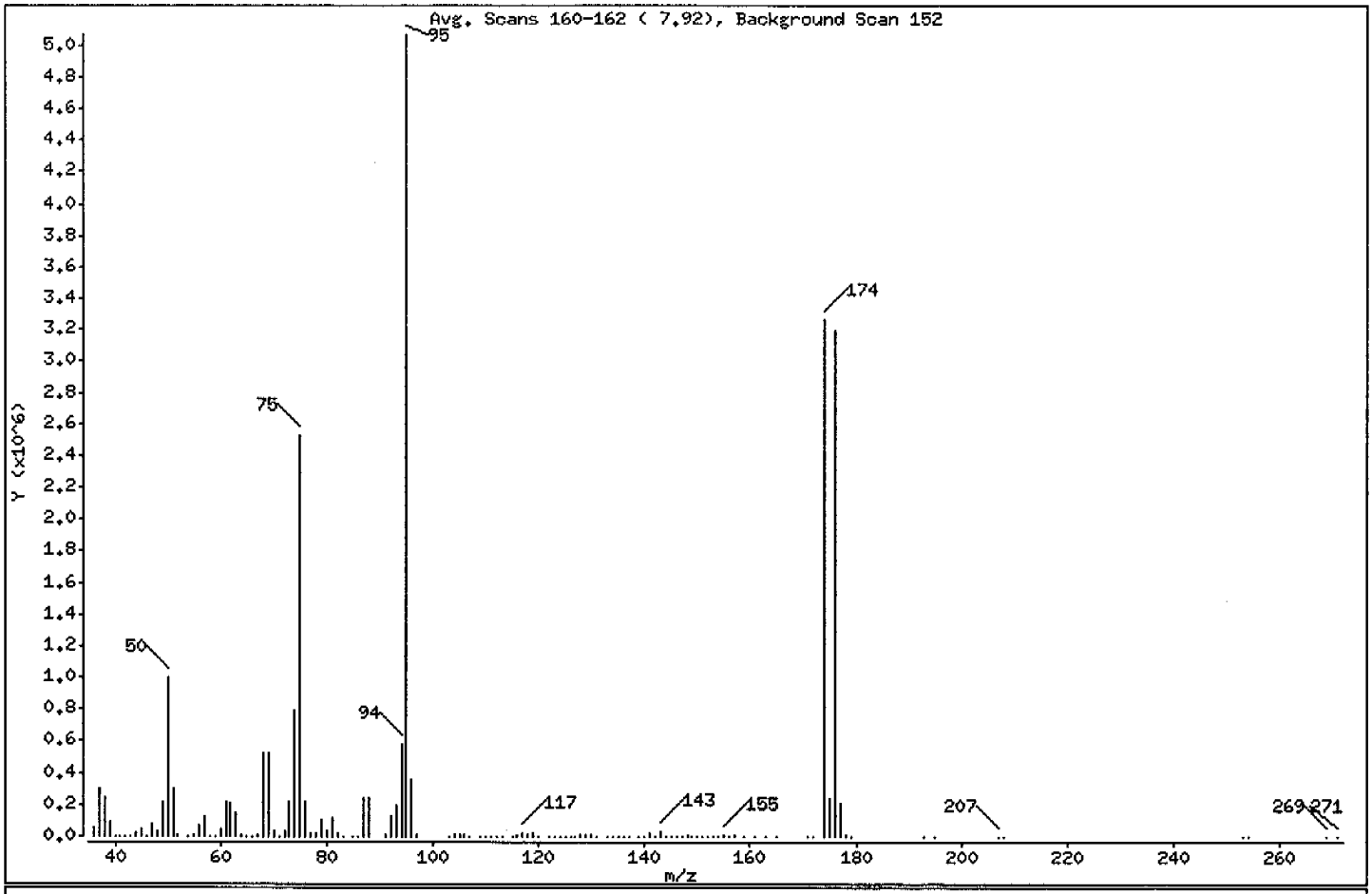
Sample Info: BBBFB291

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.78
75	30.00 - 60.00% of mass 95	49.95
96	5.00 - 9.00% of mass 95	7.20
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	64.46
175	5.00 - 9.00% of mass 174	4.72 (7.33)
176	95.00 - 101.00% of mass 174	62.89 (97.56)
177	5.00 - 9.00% of mass 176	4.16 (6.62)

Date : 18-OCT-2006 12:03

Client ID: Instrument: VOAMS10.i

Sample Info: BBBFB291

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

Data File: bb79743.d

Spectrum: Avg. Scans 160-162 (7.92), Background Scan 152

Location of Maximum: 95.00

Number of points: 128

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	58488	70.00	40488	112.00	2957	149.00	3003
37.00	302080	71.00	2168	113.00	2129	150.00	4563
38.00	243392	72.00	29408	115.00	4650	151.00	344
39.00	90992	73.00	222720	116.00	12225	152.00	1961
40.00	5426	74.00	788160	117.00	22208	153.00	3124
41.00	973	75.00	2530816	118.00	13661	154.00	2803
42.00	409	76.00	218368	119.00	18104	155.00	10581
43.00	3484	77.00	28448	120.00	781	156.00	986
44.00	22088	78.00	23536	122.00	354	157.00	7774
45.00	47856	79.00	103440	123.00	1542	159.00	3809
46.00	2412	80.00	31384	124.00	1852	161.00	4218
47.00	82656	81.00	110976	125.00	1915	163.00	1173
48.00	33072	82.00	21096	126.00	1662	165.00	377
49.00	217472	83.00	2533	127.00	1984	171.00	336
50.00	1002432	85.00	414	128.00	14224	172.00	1012
51.00	301248	86.00	4455	129.00	7143	174.00	3266048
52.00	12158	87.00	247104	130.00	13537	175.00	239232
54.00	426	88.00	242880	131.00	5540	176.00	3186688
55.00	12517	91.00	15844	133.00	447	177.00	210816
56.00	67192	92.00	131968	134.00	944	178.00	6293
57.00	126608	93.00	193472	135.00	3966	179.00	369
58.00	4770	94.00	577088	136.00	494	193.00	373
59.00	359	95.00	5066752	137.00	5121	195.00	354
60.00	47848	96.00	364608	139.00	3221	207.00	1969
61.00	224320	97.00	9398	140.00	778	208.00	1103
62.00	211392	103.00	3079	141.00	28848	253.00	580
63.00	152384	104.00	16968	142.00	3228	254.00	351
64.00	13645	105.00	6609	143.00	32016	269.00	2177
65.00	367	106.00	15634	144.00	1624	271.00	397
66.00	481	107.00	4424	145.00	2758		
67.00	14661	109.00	352	146.00	5496		
68.00	518784	110.00	2216	147.00	3191		
69.00	524928	111.00	1829	148.00	9876		

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/18oct06.b/bb79743.d

Date : 18-OCT-2006 12:03

Client ID:

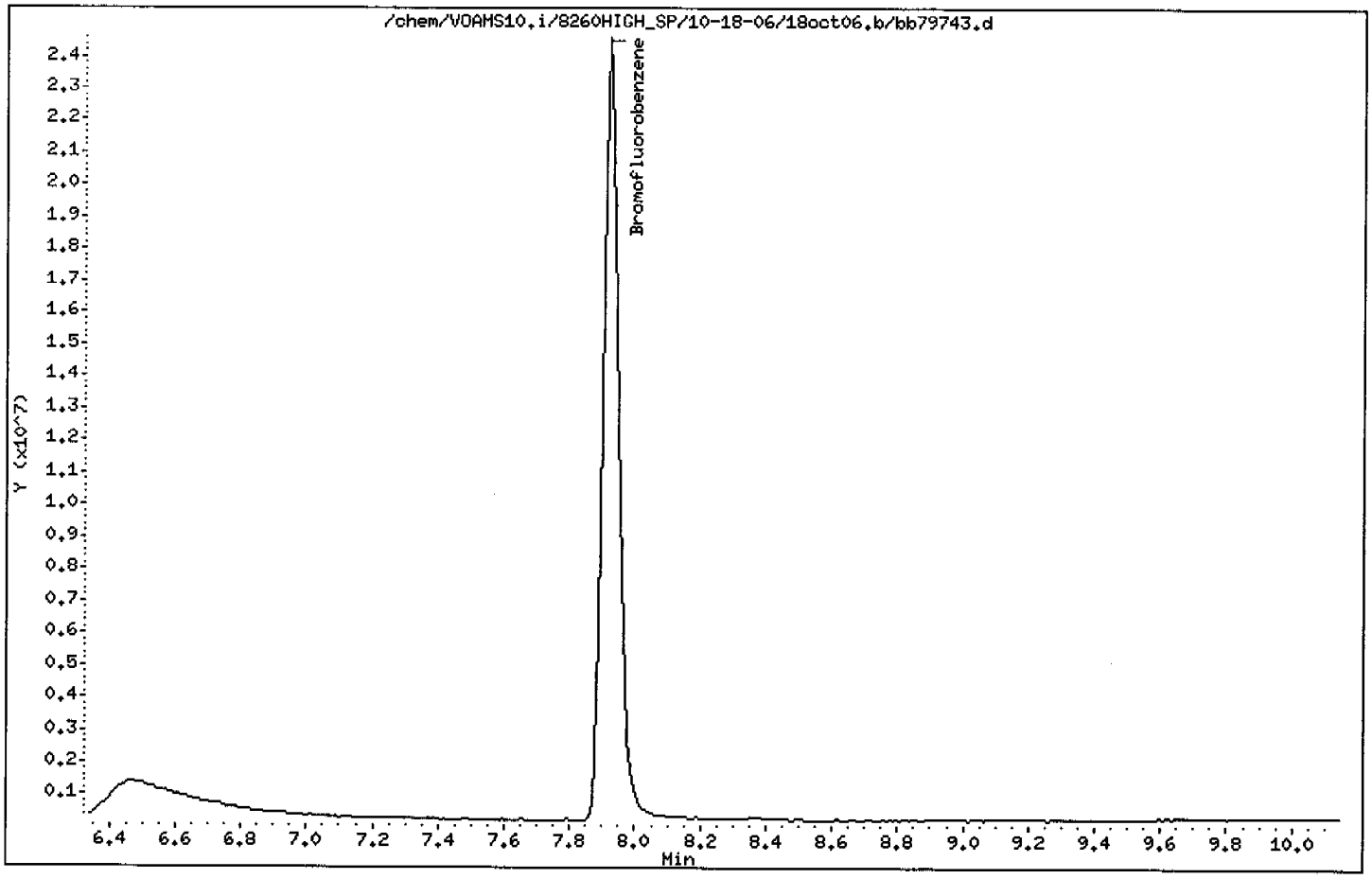
Instrument: VOAMS10.i

Sample Info: BBBFB291

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: BB79754 BFB Injection Date: 10/19/06

Instrument ID: VOAMS10 BFB Injection Time: 0730

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	46.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	59.5
175	5.0 - 9.0% of mass 174	3.9 (6.6)1
176	95.0 - 101.0% of mass 174	59.3 (99.7)1
177	5.0 - 9.0% of mass 176	3.8 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BBSTD292	BBSTD292	BB79755	10/19/06	0759
02	BBV292	BBV292	BB79760	10/19/06	1105
03	FB-061017	778393	BB79761	10/19/06	1138
04	TB-061017	778394	BB79762	10/19/06	1207
05	MW01-061017	778385	BB79763	10/19/06	1237
06	MW02-061017	778386	BB79764	10/19/06	1307
07	MW04-061017	778388	BB79766	10/19/06	1406
08	MW05-061017	778389	BB79767	10/19/06	1436
09	MW05D-061017	778390	BB79768	10/19/06	1506
10	MW06-061017M	778391MS	BB79772	10/19/06	1705
11	MW06-061017M	778391MSD	BB79773	10/19/06	1734
12	MW03-061017	778387	BB79775	10/19/06	1834
13	MW03-061017D	778395	BB79776	10/19/06	1903
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79754.d

Date : 19-OCT-2006 07:30

Client ID:

Instrument: VOAMS10.i

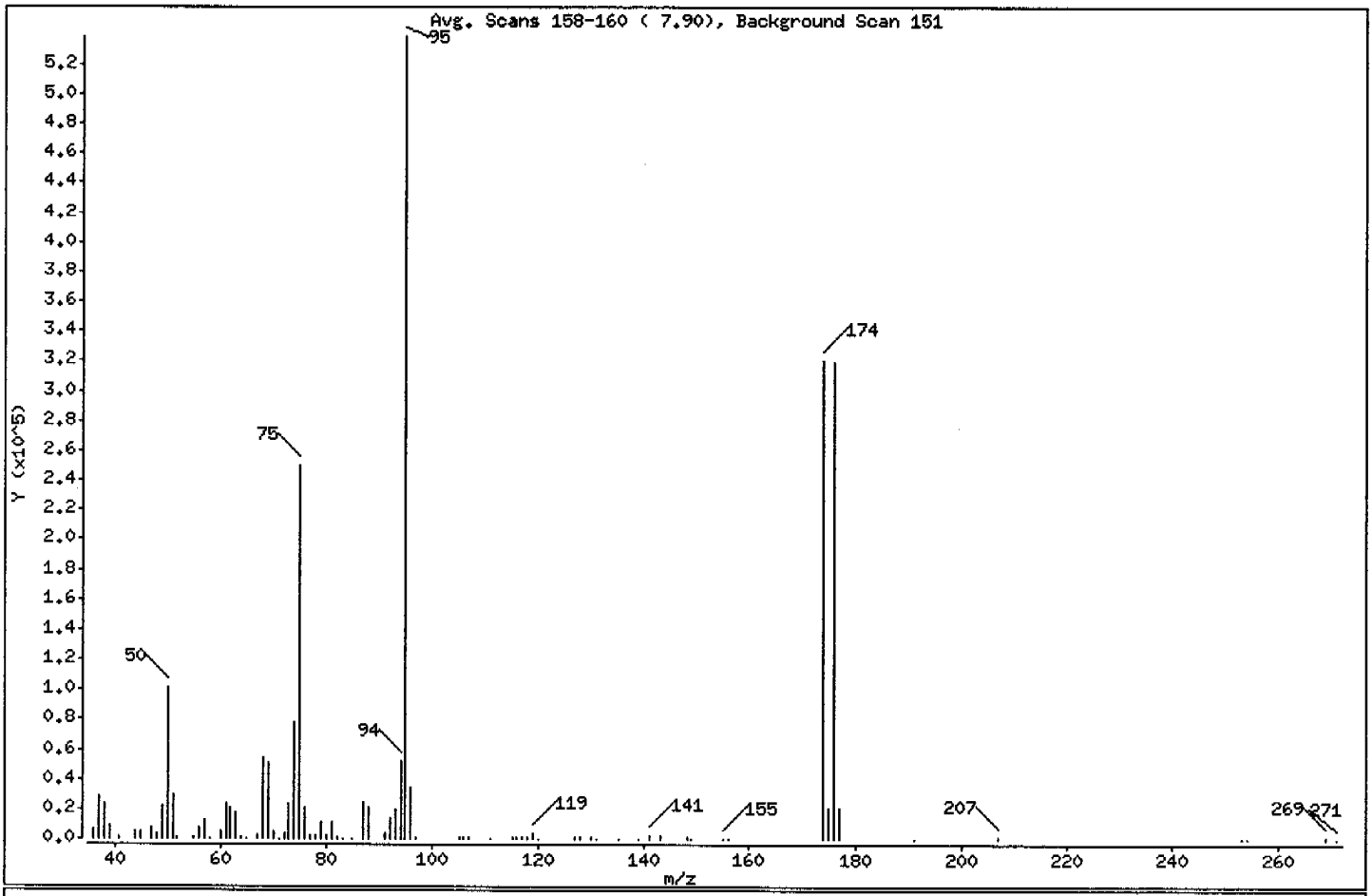
Sample Info: BBBFB292

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.92
75	30.00 - 60.00% of mass 95	46.39
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	59.51
175	5.00 - 9.00% of mass 174	3.94 (6.61)
176	95.00 - 101.00% of mass 174	59.31 (99.66)
177	5.00 - 9.00% of mass 176	3.82 (6.45)

Date : 19-OCT-2006 07:30

Client ID: Instrument: VOAMS10.i

Sample Info: BBBFB292

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

Data File: bb79754.d
Spectrum: Avg. Scans 158-160 (7.90), Background Scan 151
Location of Maximum: 95.00
Number of points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5972	64.00	1532	88.00	20936	131.00	430
37.00	28936	65.00	393	91.00	3796	135.00	106
38.00	22984	67.00	1995	92.00	13844	139.00	438
39.00	8807	68.00	53840	93.00	19512	141.00	2697
41.00	1362	69.00	51000	94.00	51776	143.00	2551
44.00	5280	70.00	4723	95.00	538176	148.00	1761
45.00	5008	71.00	349	96.00	34488	149.00	90
47.00	7198	72.00	3200	97.00	1597	155.00	476
48.00	3109	73.00	22960	105.00	1803	156.00	358
49.00	22584	74.00	77800	106.00	1791	174.00	320256
50.00	101832	75.00	249664	107.00	843	175.00	21184
51.00	29464	76.00	21040	111.00	338	176.00	319168
52.00	934	77.00	2846	115.00	880	177.00	20576
55.00	804	78.00	2459	116.00	1303	191.00	340
56.00	7563	79.00	11531	117.00	1729	207.00	1637
57.00	12354	80.00	2597	118.00	693	253.00	259
58.00	445	81.00	11698	119.00	3218	254.00	356
60.00	5374	82.00	1307	120.00	357	269.00	1079
61.00	22912	83.00	474	127.00	1077	271.00	354
62.00	21112	85.00	389	128.00	1327		
63.00	16856	87.00	24504	130.00	1101		

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79754.d

Date : 19-OCT-2006 07:30

Client ID:

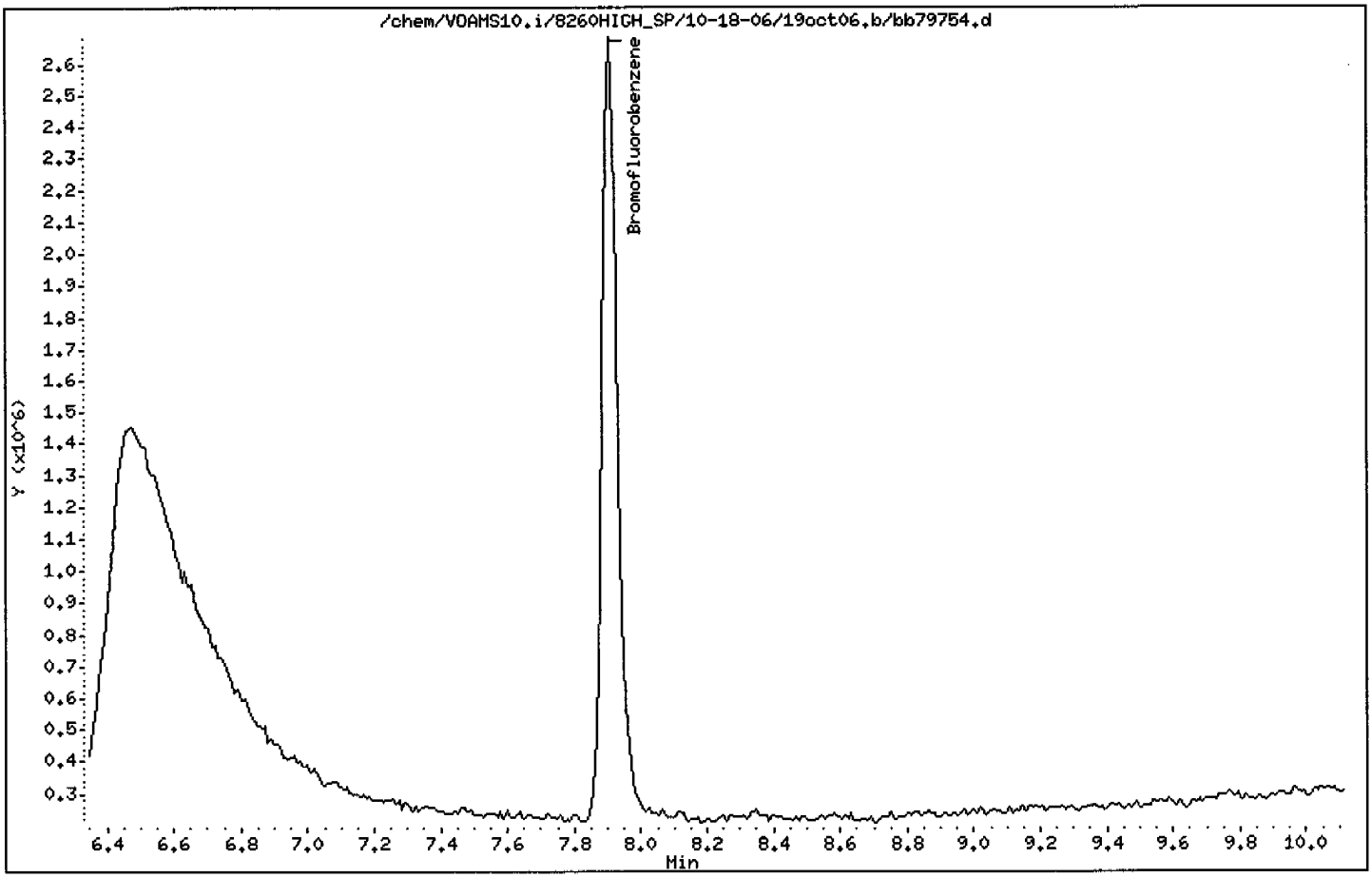
Instrument: VOAMS10.i

Sample Info: BBBFB292

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: BB79847

BFB Injection Date: 10/24/06

Instrument ID: VOAMS10

BFB Injection Time: 0839

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	46.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	64.5
175	5.0 - 9.0% of mass 174	4.6 (7.2)1
176	95.0 - 101.0% of mass 174	61.3 (95.0)1
177	5.0 - 9.0% of mass 176	3.7 (6.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BBSTD297	BBSTD297	BB79848	10/24/06	0905
02	BBV297	BBV297	BB79851	10/24/06	1044
03	MW06-061017	778391	BB79852	10/24/06	1129
04	MW07-061017	778392	BB79853	10/24/06	1159
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79847.d

Date : 24-OCT-2006 08:39

Client ID:

Instrument: VOAMS10.i

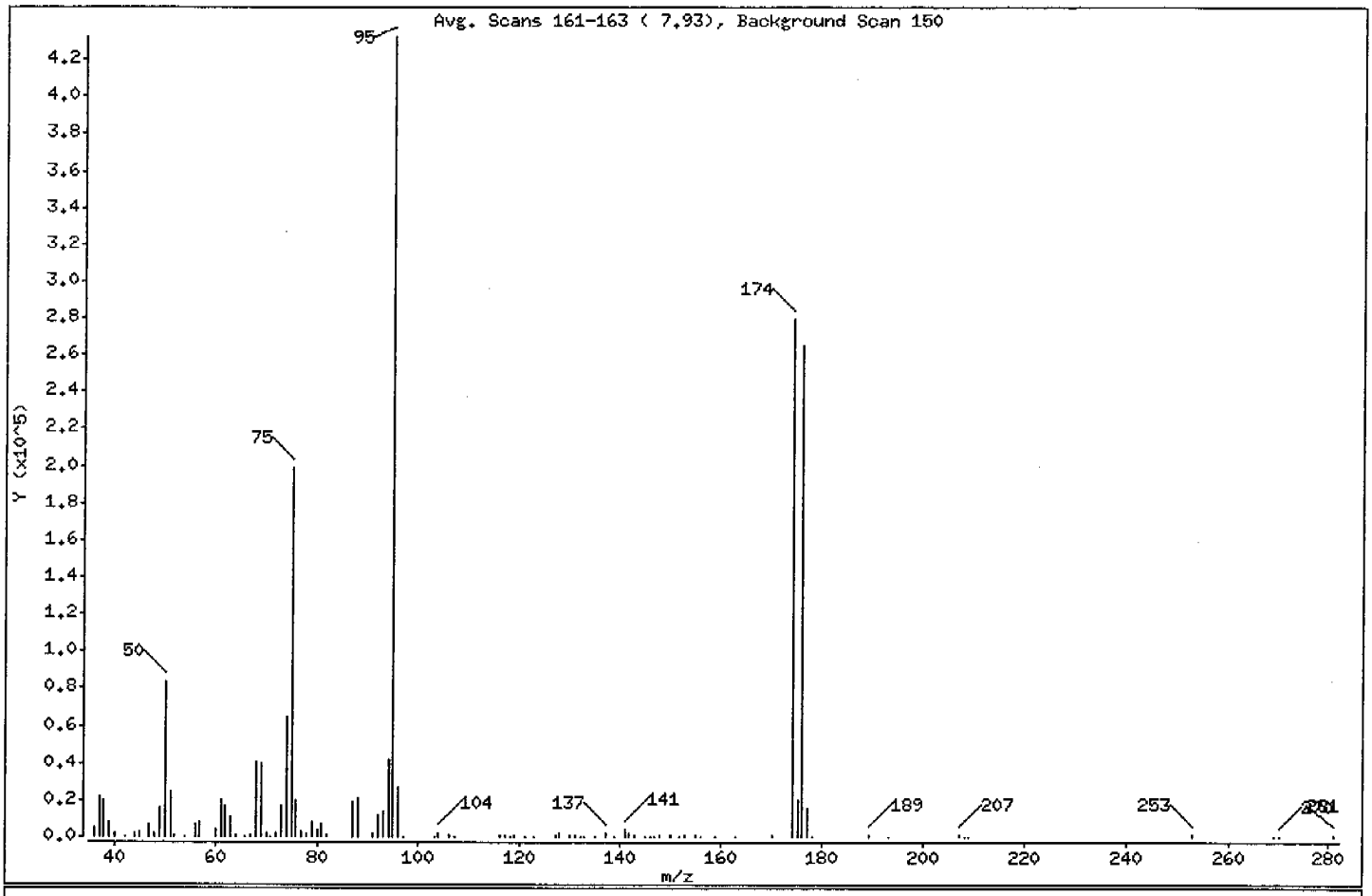
Sample Info: BBBFB297

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.35
75	30.00 - 60.00% of mass 95	46.00
96	5.00 - 9.00% of mass 95	6.30
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	64.50
175	5.00 - 9.00% of mass 174	4.65 (7.21)
176	95.00 - 101.00% of mass 174	61.29 (95.02)
177	5.00 - 9.00% of mass 176	3.72 (6.07)

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79847.d

Date : 24-OCT-2006 08:39

Client ID:

Instrument: VOAMS10.i

Sample Info: BBBFB297

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: bb79847.d
Spectrum: Avg. Scans 161-163 (7.93), Background Scan 150
Location of Maximum: 95.00
Number of points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4654	69.00	40128	106.00	1239	152.00	421
37.00	22208	70.00	1927	107.00	4	153.00	827
38.00	20352	71.00	412	116.00	1082	155.00	589
39.00	8323	72.00	2108	117.00	1387	156.00	353
40.00	1826	73.00	16696	118.00	495	159.00	442
42.00	69	74.00	64720	119.00	1116	163.00	417
44.00	2101	75.00	198720	121.00	345	170.00	1347
45.00	3380	76.00	19824	123.00	19	174.00	278656
47.00	6584	77.00	2615	127.00	850	175.00	20080
48.00	2436	78.00	1743	128.00	1623	176.00	264768
49.00	16351	79.00	7514	130.00	1483	177.00	16077
50.00	83608	80.00	4382	131.00	1100	178.00	347
51.00	24704	81.00	7008	132.00	396	189.00	1146
52.00	930	82.00	1400	133.00	139	193.00	454
54.00	338	87.00	19168	135.00	240	207.00	543
56.00	6572	88.00	20384	137.00	1696	208.00	240
57.00	8408	91.00	1999	139.00	481	209.00	377
60.00	4018	92.00	11871	141.00	4046	253.00	698
61.00	19984	93.00	13462	142.00	1546	269.00	56
62.00	16720	94.00	41776	143.00	1446	270.00	346
63.00	11147	95.00	432000	145.00	396	281.00	908
64.00	572	96.00	27224	146.00	391		
66.00	407	97.00	283	147.00	200		
67.00	634	103.00	338	148.00	871		
68.00	40896	104.00	1861	150.00	852		

Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79847.d

Date : 24-OCT-2006 08:39

Client ID:

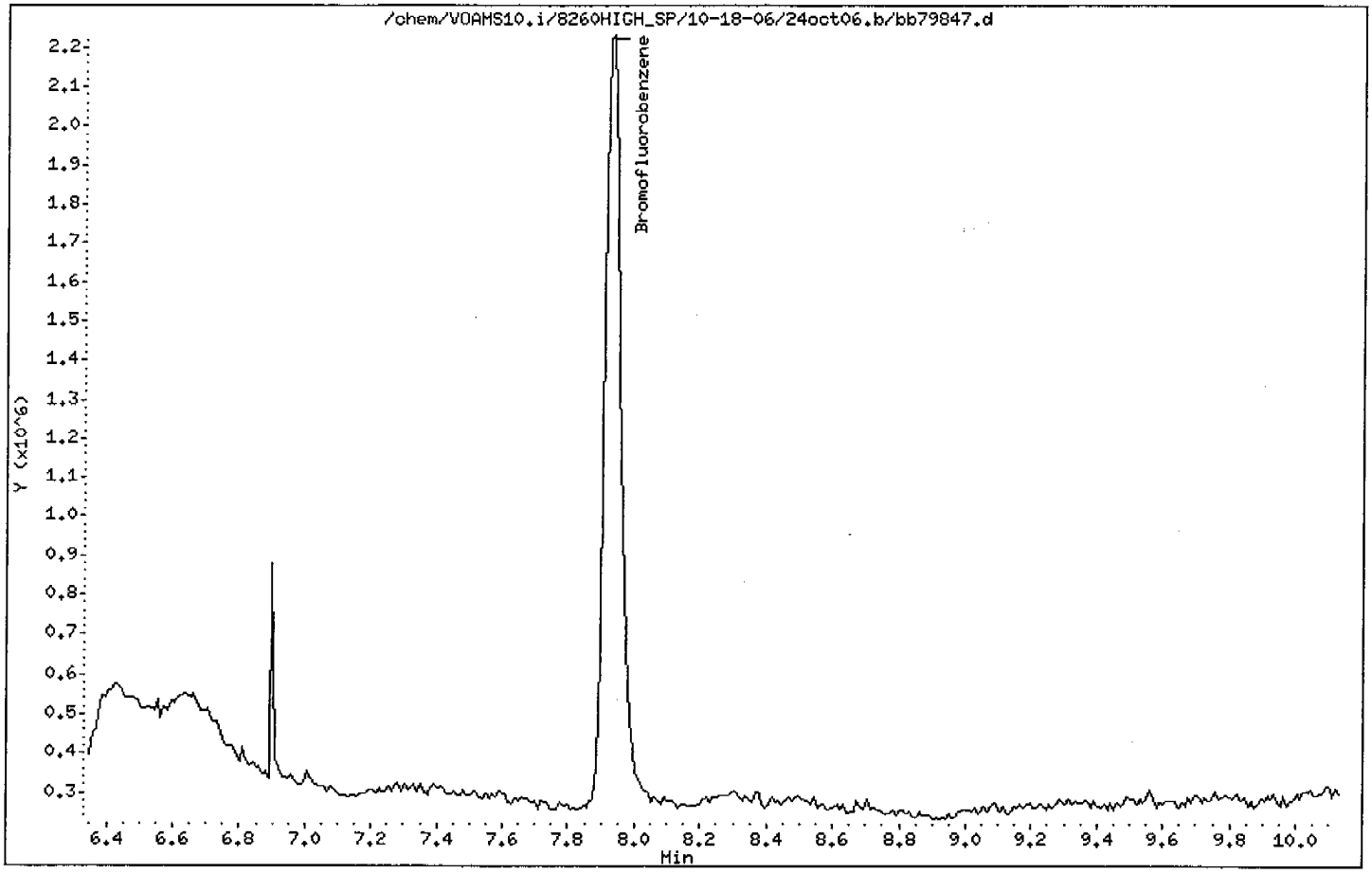
Instrument: VOAMS10.i

Sample Info: BBBFB297

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BBV292

Matrix: WATER

Level: LOW

Lab File ID: BB79760

Instrument ID: VOAMS10

Date Analyzed: 10/19/06

Time Analyzed: 1105

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	FB-061017	778393	BB79761	1138
02	TB-061017	778394	BB79762	1207
03	MW01-061017	778385	BB79763	1237
04	MW02-061017	778386	BB79764	1307
05	MW04-061017	778388	BB79766	1406
06	MW05-061017	778389	BB79767	1436
07	MW05D-061017	778390	BB79768	1506
08	MW06-061017MS	778391MS	BB79772	1705
09	MW06-061017MSD	778391MSD	BB79773	1734
10	MW03-061017	778387	BB79775	1834
11	MW03-061017D	778395	BB79776	1903
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **BBV292**
Site:

Lab Sample No: **BBV292**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79760.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **BBV292**
Site:

Lab Sample No: **BBV292**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79760.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000

Client ID: **BBV292**
Site:

Lab Sample No: **BBV292**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79760.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Isopropylbenzene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
2-Octanol	ND	10
2-Octanone	ND	5.0
Ethyl Acrylate	ND	5.0
Butyl Acrylate	ND	5.0
Butyl Methacrylate	ND	5.0
Ethyl methacrylate	ND	5.0
Ethanol	ND	500

Client ID: **BBV292**
Site:

Lab Sample No: **BBV292**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79760.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Methyl Acetate	ND	5.0
Methyl cyclohexane	ND	5.0
Cyclohexanone	ND	100
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0
1,2,4,5-Tetramethylbenzene	ND	5.0
Propylene Oxide	ND	50
Camphene (total)	ND	20
Camphor	ND	20
Amyl Acetate	ND	10
2-Methylnaphthalene	ND	5.0
1-Chlorohexane	ND	5.0
Chlorotrifluoromethane	ND	5.0
Chlorodifluoromethane	ND	5.0
tert-Amylmethyl Ether	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
Acetaldehyde	ND	10
1,3,5-Trichlorobenzene	ND	5.0
1,2-Dichlorotrifluoroethane	ND	5.0
1-Bromo-2-chloroethane	ND	5.0
4-Chlorobenzotrifluoride	ND	5.0
2-Chloropropene	ND	5.0
tert-Butyl ethyl ether	ND	5.0
1,3-Butadiene	ND	5.0

Client ID: **BBV292**
Site:

Lab Sample No: **BBV292**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/19/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79760.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: bb79760.d
Report Date: 24-Oct-2006 19:03

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

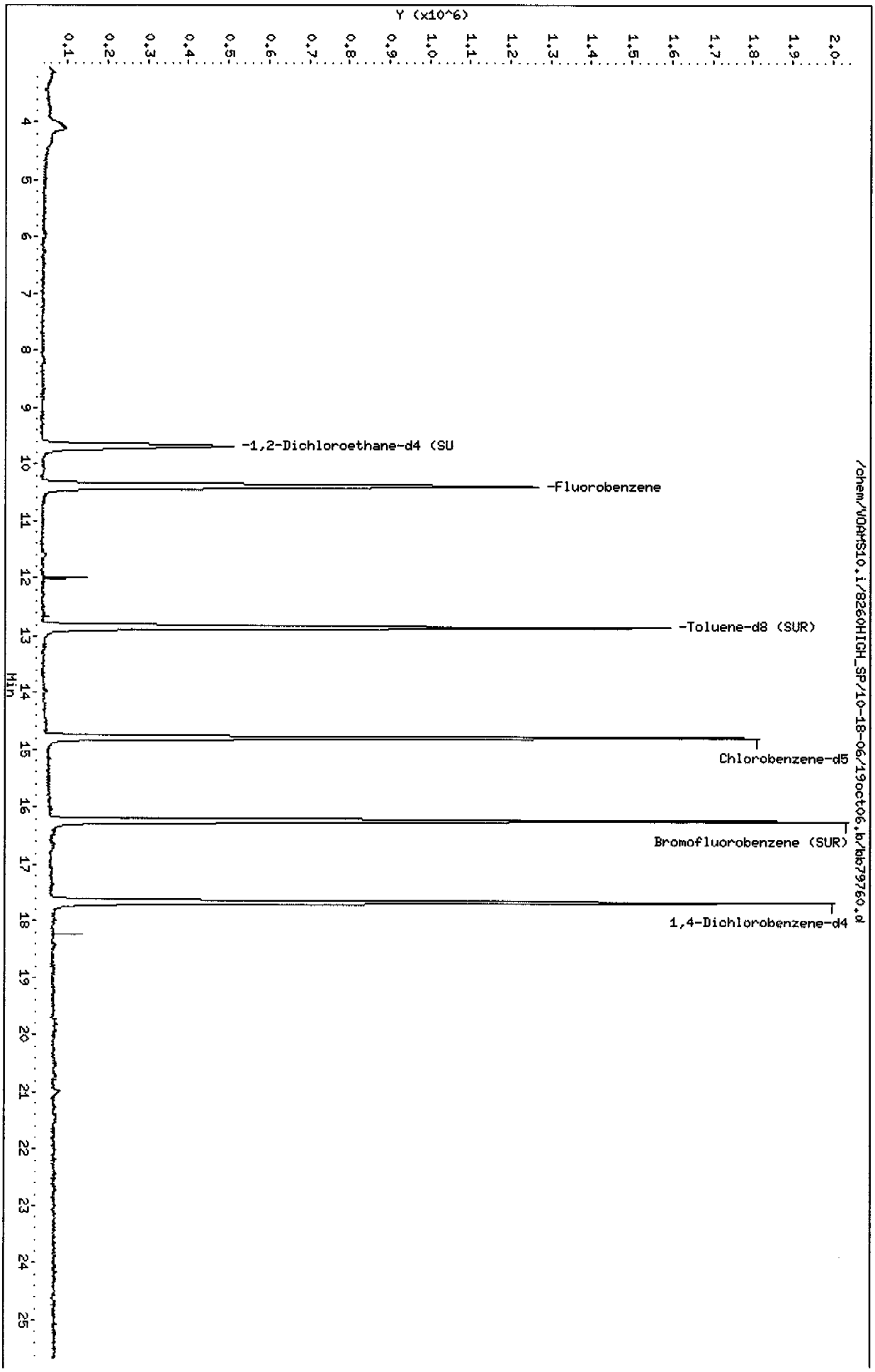
Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79760.d
Lab Smp Id: BBV292 Client Smp ID: BBV292
Inj Date : 19-OCT-2006 11:05
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : BBV292
Misc Info :
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/8260H_06.m
Meth Date : 24-Oct-2006 18:23 vibha Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.680	9.678	(0.932)	852635	50.5467	50
*	19 Fluorobenzene	96	10.389	10.398	(1.000)	2684608	50.0000	
$	37 Toluene-d8 (SUR)	98	12.843	12.841	(0.869)	1959516	47.4835	47
*	32 Chlorobenzene-d5	117	14.785	14.783	(1.000)	1671634	50.0000	
$	41 Bromofluorobenzene (SUR)	174	16.233	16.232	(0.920)	893411	47.9127	48
*	91 1,4-Dichlorobenzene-d4	152	17.652	17.661	(1.000)	1000255	50.0000	


Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79760.d
Date : 19-OCT-2006 11:05
Client ID: BBV292
Sample Info: BBV292
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/19oct06.b/bb79760.d

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BBV297

Matrix: WATER

Level: LOW

Lab File ID: BB79851

Instrument ID: VOAMS10

Date Analyzed: 10/24/06

Time Analyzed: 1044

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	MW06-061017	778391	BB79852	1129
02	MW07-061017	778392	BB79853	1159
03				
04				
05				
06				
07				
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COMMENTS:

Client ID: **BBV297**
Site:

Lab Sample No: **BBV297**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **BBV297**
Site:

Lab Sample No: **BBV297**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000

Client ID: **BBV297**
Site:

Lab Sample No: **BBV297**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Isopropylbenzene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
2-Octanol	ND	10
2-Octanone	ND	5.0
Ethyl Acrylate	ND	5.0
Butyl Acrylate	ND	5.0
Butyl Methacrylate	ND	5.0
Ethyl methacrylate	ND	5.0
Ethanol	ND	500

Client ID: **BBV297**
Site:

Lab Sample No: **BBV297**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Methyl Acetate	ND	5.0
Methyl cyclohexane	ND	5.0
Cyclohexanone	ND	100
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0
1,2,4,5-Tetramethylbenzene	ND	5.0
Propylene Oxide	ND	50
Camphene (total)	ND	20
Camphor	ND	20
Amyl Acetate	ND	10
2-Methylnaphthalene	ND	5.0
1-Chlorohexane	ND	5.0
Chlorotrifluoromethane	ND	5.0
Chlorodifluoromethane	ND	5.0
tert-Amylmethyl Ether	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
Acetaldehyde	ND	10
1,3,5-Trichlorobenzene	ND	5.0
1,2-Dichlorotrifluoroethane	ND	5.0
1-Bromo-2-chloroethane	ND	5.0
4-Chlorobenzotrifluoride	ND	5.0
2-Chloropropene	ND	5.0
tert-Butyl ethyl ether	ND	5.0
1,3-Butadiene	ND	5.0

Client ID: **BBV297**
Site:

Lab Sample No: **BBV297**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/24/06
GC Column: Rtx-VMS
Instrument ID: VOAMS10.i
Lab File ID: bb79851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Data File: bb79851.d
Report Date: 27-Oct-2006 10:14

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

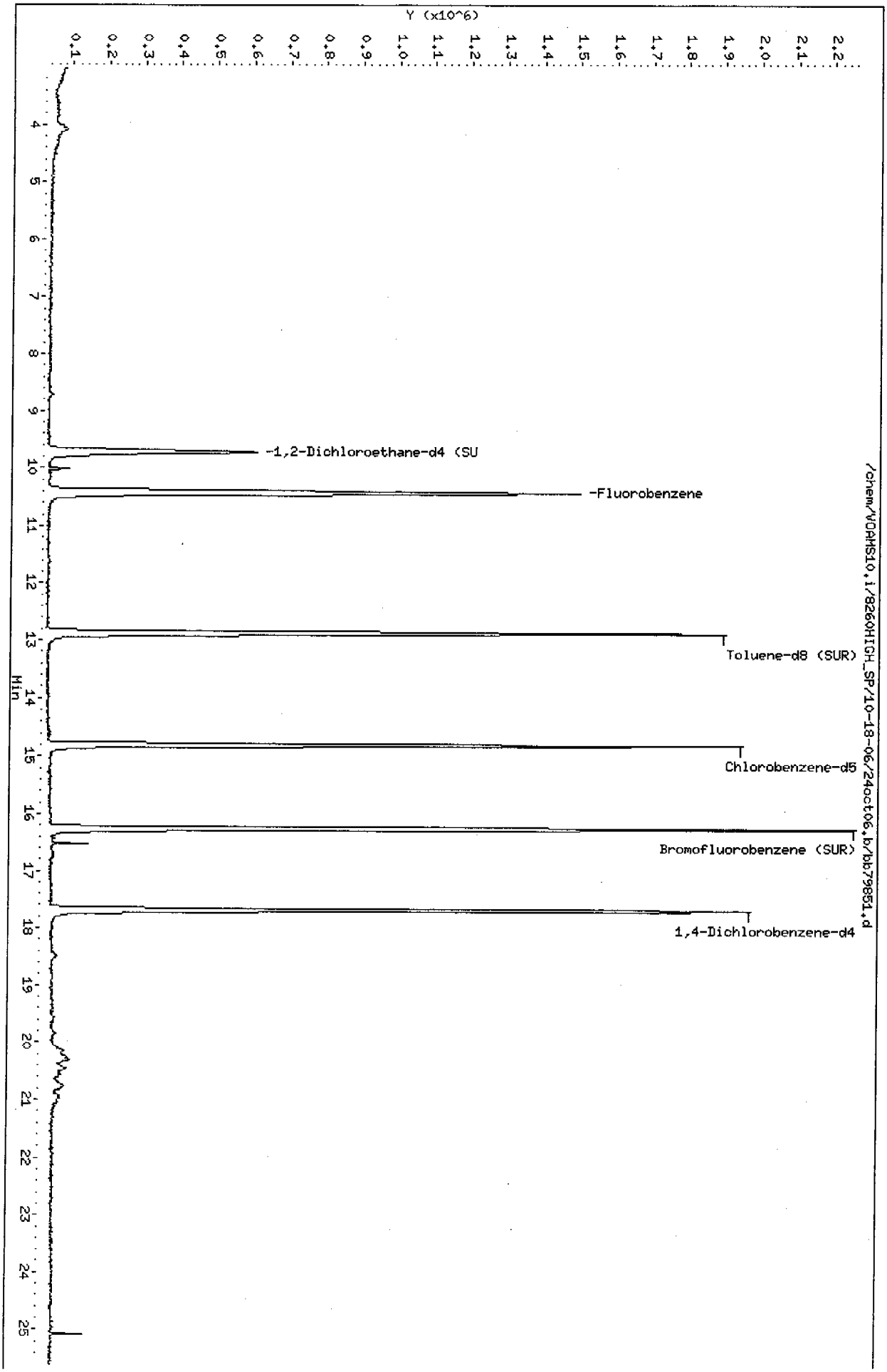
Data file : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79851.d
Lab Smp Id: BBV297 Client Smp ID: BBV297
Inj Date : 24-OCT-2006 10:44
Operator : VOAMS 3 Inst ID: VOAMS10.i
Smp Info : BBV297
Misc Info :
Comment :
Method : /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/8260H_06.m
Meth Date : 25-Oct-2006 16:59 ben Quant Type: ISTD
Cal Date : 18-OCT-2006 20:13 Cal File: bb79753.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.725	9.733	(0.933)	1005499	51.0840	51
* 19 Fluorobenzene	96	10.425	10.432	(1.000)	3132622	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.869	12.876	(0.869)	2406772	53.2630	53
* 32 Chlorobenzene-d5	117	14.800	14.818	(1.000)	1830391	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	16.259	16.266	(0.920)	1067698	55.4191	55
* 91 1,4-Dichlorobenzene-d4	152	17.678	17.695	(1.000)	1033472	50.0000	


Data File: /chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79851.d
Date : 24-OCT-2006 10:44
Client ID: BBV297
Sample Info: BBV297
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS10.i
Operator: VOAMS 3
Column diameter: 0.18
Y (x10^6)
Min
-1,2-Dichloroethane-d4 (SU
-Fluorobenzene
Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4
/chem/VOAMS10.i/8260HIGH_SP/10-18-06/24oct06.b/bb79851.d

Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

LAB FILE ID: RRF5: BB79752 RRF10: BB79753 RRF20: BB79747
RRF50: BB79748 RRF100: BB79749

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
Chloromethane	0.195	0.150	0.177	0.159	0.175
Bromomethane	0.271	0.216	0.225	0.209	0.190
Vinyl Chloride	0.239	0.199	0.223	0.209	0.202
Chloroethane	0.170	0.144	0.145	0.149	0.148
Methylene Chloride	0.255	0.301	0.294	0.304	0.286
Acetone	0.018	0.018	0.019	0.018	0.019
Carbon Disulfide	0.766	0.773	0.827	0.835	0.801
Trichlorofluoromethane	0.608	0.558	0.600	0.580	0.569
1,1-Dichloroethene	0.269	0.266	0.253	0.263	0.250
1,1-Dichloroethane	0.462	0.548	0.555	0.545	0.535
trans-1,2-Dichloroethene	0.267	0.313	0.313	0.307	0.294
cis-1,2-Dichloroethene	0.282	0.316	0.326	0.315	0.303
Chloroform	0.568	0.662	0.672	0.649	0.638
1,2-Dichloroethane	0.350	0.390	0.387	0.401	0.382
2-Butanone	0.031	0.027	0.028	0.028	0.028
1,1,1-Trichloroethane	0.511	0.589	0.576	0.592	0.556
Carbon Tetrachloride	0.434	0.518	0.503	0.541	0.503
Bromodichloromethane	0.586	0.684	0.660	0.696	0.661
1,2-Dichloropropane	0.318	0.343	0.328	0.341	0.327
cis-1,3-Dichloropropene	0.478	0.530	0.544	0.536	0.508
Trichloroethene	0.357	0.388	0.378	0.397	0.372
Dibromochloromethane	0.727	0.855	0.851	0.883	0.812
1,1,2-Trichloroethane	0.413	0.472	0.452	0.474	0.434
Benzene	0.771	0.894	0.878	0.896	0.861
trans-1,3-Dichloropropene	0.704	0.799	0.776	0.815	0.720
2-Chloroethyl Vinyl Ether	0.160	0.169	0.188	0.195	0.183
Bromoform	0.447	0.563	0.586	0.604	0.588
4-Methyl-2-Pentanone	0.238	0.239	0.296	0.292	0.322
2-Hexanone	0.260	0.251	0.305	0.304	0.334
Tetrachloroethene	0.618	0.678	0.648	0.674	0.622
1,1,2,2-Tetrachloroethane	1.312	1.282	1.299	1.363	1.284
Toluene	1.346	1.510	1.523	1.504	1.419
Chlorobenzene	0.887	0.998	1.029	0.997	0.955
Ethylbenzene	0.414	0.473	0.475	0.470	0.457
Styrene	0.822	0.921	0.974	0.942	0.943
Xylene (Total)	0.505	0.560	0.585	0.572	0.565
Ethyl Ether	0.170	0.163	0.178	0.182	0.179
Acrolein					
Freon TF	0.605	0.595	0.611	0.638	0.593

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

LAB FILE ID: RRF5: BB79752 RRF10: BB79753 RRF20: BB79747
RRF50: BB79748 RRF100: BB79749

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
Isopropanol					
Acetonitrile	0.016	0.016	0.020	0.020	0.022
TBA	0.016	0.017	0.020	0.020	0.022
Acrylonitrile	0.050	0.058	0.059	0.066	0.067
MTBE	0.696	0.696	0.766	0.783	0.741
Hexane					
DIPE	1.130	1.138	1.302	1.224	1.215
Ethyl Acetate	0.030	0.031	0.032	0.035	0.034
Vinyl Acetate	0.750	0.744	0.804	0.792	0.761
Tetrahydrofuran					
Cyclohexane	0.415	0.404	0.431	0.442	0.428
Isobutanol					
Isopropyl Acetate	0.576	0.602	0.695	0.710	0.721
n-Heptane					
n-Butanol					
Propyl Acetate	0.475	0.495	0.558	0.535	0.561
Butyl Acetate	0.732	0.768	0.907	0.914	0.953
1,2-Dibromoethane	0.619	0.706	0.719	0.746	0.685
1,3-Dichlorobenzene	1.398	1.528	1.594	1.501	1.454
1,4-Dichlorobenzene	1.445	1.674	1.654	1.606	1.580
1,2-Dichlorobenzene	1.302	1.456	1.513	1.434	1.406
Naphthalene	1.522	1.651	1.775	1.812	1.873
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	0.483	0.396	0.448	0.409	0.394
1,1-Dichloropropene	0.397	0.509	0.507	0.514	0.483
1,2,4-Trichlorobenzene	0.914	1.040	1.108	1.056	1.077
Hexachlorobutadiene	0.626	0.692	0.776	0.724	0.730
1,4-Dioxane	0.002	0.002	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.513	0.571	0.579	0.570	0.527
1,2,3-Trichlorobenzene	0.821	0.926	1.012	0.943	0.989
1,2,3-Trichloropropane	0.256	0.306	0.327	0.328	0.310
1,2,4-Trimethylbenzene	1.862	2.121	2.166	2.100	2.032
1,2-Dibromo-3-chloropropane	0.269	0.305	0.355	0.332	0.342
1,3,5-Trimethylbenzene	1.826	2.109	2.157	2.115	2.015
1,3-Dichloropropane	0.026	0.029	0.030	0.030	0.025
2,2-Dichloropropane	0.477	0.541	0.510	0.526	0.445
2-Chlorotoluene	2.299	2.655	2.709	2.650	2.516

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

LAB FILE ID: RRF5: BB79752 RRF10: BB79753 RRF20: BB79747
RRF50: BB79748 RRF100: BB79749

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
4-Chlorotoluene	2.195	2.564	2.591	2.479	2.375
Bromobenzene	0.856	0.955	0.983	0.952	0.903
Bromochloromethane	0.167	0.202	0.194	0.202	0.189
Dibromomethane	0.291	0.332	0.343	0.339	0.333
Isopropylbenzene	1.458	1.642	1.721	1.680	1.651
n-Butylbenzene	2.371	2.708	2.874	2.795	2.691
n-Propylbenzene	3.184	3.727	3.719	3.641	3.458
p-Isopropyltoluene	2.145	2.518	2.558	2.503	2.412
sec-Butylbenzene	2.750	3.059	3.227	3.114	2.979
tert-Butylbenzene	1.932	2.255	2.298	2.228	2.132
Allyl chloride					
Benzyl chloride	1.523	1.565	1.729	1.681	1.735
Epichlorohydrin	0.022	0.025	0.026	0.029	0.029
Isoprene	0.259	0.258	0.279	0.285	0.269
Methyl methacrylate	0.192	0.199	0.220	0.219	0.234
n-Pentane	0.043	0.045	0.044	0.048	0.045
Allyl alcohol					
2-Octanol					
2-Octanone					
Ethyl Acrylate					
Butyl Acrylate					
Butyl Methacrylate					
Ethyl methacrylate					
Ethanol					
Methyl Acetate	0.334	0.322	0.351	0.365	0.359
Methyl cyclohexane	0.443	0.434	0.480	0.473	0.474
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

LAB FILE ID: RRF5: BB79752 RRF10: BB79753 RRF20: BB79747
RRF50: BB79748 RRF100: BB79749

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether					
1,3-Butadiene					
1,2-Dichloroethane-d4 (SUR)	0.340	0.324	0.324	0.297	0.317
Toluene-d8 (SUR)	1.363	1.251	1.253	1.168	1.215
Bromofluorobenzene (SUR)	1.048	0.954	0.949	0.865	0.912

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

RRF200: BB79750

COMPOUND	RRF200	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	0.158	AVRG	0.16911957	9.7**
Bromomethane	0.204	AVRG	0.21913220	12.7*
Vinyl Chloride	0.198	AVRG	0.21159123	7.6*
Chloroethane	0.135	AVRG	0.14857889	7.8*
Methylene Chloride	0.296	AVRG	0.28922827	6.2*
Acetone	0.016	AVRG	0.01796070	6.2*
Carbon Disulfide	0.739	AVRG	0.79029860	4.7*
Trichlorofluoromethane	0.553	AVRG	0.57790666	3.8*
1,1-Dichloroethene	0.257	AVRG	0.25970769	2.8*
1,1-Dichloroethane	0.530	AVRG	0.52910589	6.4**
trans-1,2-Dichloroethene	0.300	AVRG	0.29904249	5.8*
cis-1,2-Dichloroethene	0.309	AVRG	0.30845595	4.9*
Chloroform	0.630	AVRG	0.63641124	5.8*
1,2-Dichloroethane	0.368	AVRG	0.37972565	4.7*
2-Butanone	0.026	AVRG	0.02803411	6.1*
1,1,1-Trichloroethane	0.553	AVRG	0.56272034	5.3*
Carbon Tetrachloride	0.505	AVRG	0.50073707	7.2*
Bromodichloromethane	0.659	AVRG	0.65779982	5.8*
1,2-Dichloropropane	0.329	AVRG	0.33103409	2.9*
cis-1,3-Dichloropropene	0.510	AVRG	0.51785586	4.6*
Trichloroethene	0.381	AVRG	0.37874747	3.6*
Dibromochloromethane	0.825	AVRG	0.82581130	6.6*
1,1,2-Trichloroethane	0.442	AVRG	0.44801069	5.2*
Benzene	0.873	AVRG	0.86227667	5.4*
trans-1,3-Dichloropropene	0.744	AVRG	0.75954194	5.8*
2-Chloroethyl Vinyl Ether	0.171	AVRG	0.17790864	7.3*
Bromoform	0.584	AVRG	0.56187115	10.2**
4-Methyl-2-Pentanone	0.279	AVRG	0.27793470	12.1*
2-Hexanone	0.293	AVRG	0.29099663	10.6*
Tetrachloroethene	0.658	AVRG	0.64993985	3.9*
1,1,2,2-Tetrachloroethane	1.292	AVRG	1.30528810	2.3**
Toluene	1.468	AVRG	1.46157793	4.6*
Chlorobenzene	0.971	AVRG	0.97303733	5.0**
Ethylbenzene	0.460	AVRG	0.45827903	5.0*
Styrene	0.951	AVRG	0.92581341	5.8*
Xylene (Total)	0.569	AVRG	0.55963754	5.0*
Ethyl Ether	0.166	AVRG	0.17302369	4.6*
Acrolein		AVRG		
Freon TF	0.544	AVRG	0.59766419	5.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

RRF200: BB79750

COMPOUND	RRF200	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol		AVRG		
Acetonitrile	0.019	AVRG	0.01873770	12.2*
TBA	0.019	AVRG	0.01897921	11.6*
Acrylonitrile	0.063	AVRG	0.06070683	10.6*
MTBE	0.702	AVRG	0.73071523	5.2*
Hexane		AVRG		
DIPE	1.175	AVRG	1.19734121	5.3*
Ethyl Acetate	0.031	AVRG	0.03204259	5.7*
Vinyl Acetate	0.738	AVRG	0.76497971	3.5*
Tetrahydrofuran		AVRG		
Cyclohexane	0.395	AVRG	0.41926763	4.2*
Isobutanol		AVRG		
Isopropyl Acetate	0.650	AVRG	0.65890788	9.1*
n-Heptane		AVRG		
n-Butanol		AVRG		
Propyl Acetate	0.478	AVRG	0.51689867	7.6*
Butyl Acetate	0.849	AVRG	0.85409190	10.3*
1,2-Dibromoethane	0.692	AVRG	0.69451280	6.2*
1,3-Dichlorobenzene	1.443	AVRG	1.48642564	4.7*
1,4-Dichlorobenzene	1.543	AVRG	1.58353037	5.2*
1,2-Dichlorobenzene	1.379	AVRG	1.41484951	5.1*
Naphthalene	1.794	AVRG	1.73799056	7.4*
Methylnaphthalene (total)		AVRG		
Dimethylnaphthalene (total)		AVRG		
Dichlorodifluoromethane	0.386	AVRG	0.41951289	9.1*
1,1-Dichloropropene	0.491	AVRG	0.48348322	9.1*
1,2,4-Trichlorobenzene	1.056	AVRG	1.04197415	6.4*
Hexachlorobutadiene	0.714	AVRG	0.71029787	7.0*
1,4-Dioxane	0.003	AVRG	0.00276901	13.5*
Methyl Acrylate		AVRG		
1,1,1,2-Tetrachloroethane	0.542	AVRG	0.55044503	4.9*
1,2,3-Trichlorobenzene	0.954	AVRG	0.94105135	7.1*
1,2,3-Trichloropropane	0.307	AVRG	0.30567710	8.7*
1,2,4-Trimethylbenzene	2.038	AVRG	2.05335017	5.2*
1,2-Dibromo-3-chloropropane	0.317	AVRG	0.31999304	9.6*
1,3,5-Trimethylbenzene	2.035	AVRG	2.04281944	5.8*
1,3-Dichloropropane	0.026	AVRG	0.02774637	8.4*
2,2-Dichloropropane	0.464	AVRG	0.49403888	7.6*
2-Chlorotoluene	2.557	AVRG	2.56429880	5.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

RRF200: BB79750

COMPOUND	RRF200	CURVE	COEFFICENT A1	%RSD OR R^2
4-Chlorotoluene	2.426	AVRG	2.43838021	5.9*
Bromobenzene	0.927	AVRG	0.92931604	4.8*
Bromochloromethane	0.198	AVRG	0.19182839	6.8*
Dibromomethane	0.321	AVRG	0.32662737	5.8*
Isopropylbenzene	1.623	AVRG	1.62908845	5.6*
n-Butylbenzene	2.676	AVRG	2.68560294	6.4*
n-Propylbenzene	3.470	AVRG	3.53326666	5.9*
p-Isopropyltoluene	2.402	AVRG	2.42304733	6.2*
sec-Butylbenzene	2.964	AVRG	3.01555319	5.4*
tert-Butylbenzene	2.150	AVRG	2.16596535	6.0*
Allyl chloride		AVRG		
Benzyl chloride	1.497	AVRG	1.62185155	6.6*
Epichlorohydrin	0.026	AVRG	0.02628389	10.0*
Isoprene	0.256	AVRG	0.26785604	4.6*
Methyl methacrylate	0.210	AVRG	0.21258580	7.3*
n-Pentane	0.041	AVRG	0.04444047	5.7*
Allyl alcohol		AVRG		
2-Octanol		AVRG		
2-Octanone		AVRG		
Ethyl Acrylate		AVRG		
Butyl Acrylate		AVRG		
Butyl Methacrylate		AVRG		
Ethyl methacrylate		AVRG		
Ethanol		AVRG		
Methyl Acetate	0.310	AVRG	0.34023740	6.4*
Methyl cyclohexane	0.442	AVRG	0.45778498	4.4*
Cyclohexanone		AVRG		
p-Ethyltoluene		AVRG		
1,4-Diethylbenzene		AVRG		
1,2,4,5-Tetramethylbenzene		AVRG		
Propylene Oxide		AVRG		
Camphene (total)		AVRG		
Camphor		AVRG		
Amyl Acetate		AVRG		
2-Methylnaphthalene		AVRG		
1-Chlorohexane		AVRG		
Chlorotrifluoromethane		AVRG		
Chlorodifluoromethane		AVRG		
tert-Amylmethyl Ether		AVRG		

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS10 Calibration Date(s): 10/18/06 10/18/06

Heated Purge: (Y/N) N Calibration Time(s): 1426 2013

RRF200: BB79750

COMPOUND	RRF200	CURVE	COEFFICENT A1	%RSD OR R^2
Iodomethane		AVRG		
trans-1,4-Dichloro-2-butene		AVRG		
Acetaldehyde		AVRG		
1,3,5-Trichlorobenzene		AVRG		
1,2-Dichlorotrifluoroethane		AVRG		
1-Bromo-2-chloroethane		AVRG		
4-Chlorobenzotrifluoride		AVRG		
2-Chloropropene		AVRG		
tert-Butyl ethyl ether		AVRG		
1,3-Butadiene		AVRG		
1,2-Dichloroethane-d4 (SUR)	0.283	AVRG	0.31416598	6.6*
Toluene-d8 (SUR)	1.157	AVRG	1.23434115	6.0*
Bromofluorobenzene (SUR)	0.865	AVRG	0.93209460	7.4*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/19/06 Time: 0759

Lab File ID: BB79755 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Chloromethane	0.1690000	0.1442174	0.1	14.66	50.00	AVRG
Bromomethane	0.2190000	0.1964419		10.30	50.00	AVRG
Vinyl Chloride	0.2120000	0.1960227		7.54	20.00	AVRG
Chloroethane	0.1480000	0.1468741		0.76	50.00	AVRG
Methylene Chloride	0.2890000	0.2964289		-2.57	50.00	AVRG
Acetone	0.0180000	0.0160990		10.56	50.00	AVRG
Carbon Disulfide	0.7900000	0.7851597		0.61	50.00	AVRG
Trichlorofluoromethane	0.5780000	0.5467596		5.40	50.00	AVRG
1,1-Dichloroethene	0.2600000	0.2580678		0.74	20.00	AVRG
1,1-Dichloroethane	0.5290000	0.5295095	0.1	-0.10	50.00	AVRG
trans-1,2-Dichloroethene	0.2990000	0.2994426		-0.15	50.00	AVRG
cis-1,2-Dichloroethene	0.3080000	0.3043556		1.18	50.00	AVRG
Chloroform	0.6360000	0.6335572		0.38	20.00	AVRG
1,2-Dichloroethane	0.3800000	0.3758438		1.09	50.00	AVRG
2-Butanone	0.0280000	0.0242447		13.41	50.00	AVRG
1,1,1-Trichloroethane	0.5630000	0.5631980		-0.04	50.00	AVRG
Carbon Tetrachloride	0.5010000	0.5195676		-3.71	50.00	AVRG
Bromodichloromethane	0.6580000	0.6719837		-2.12	50.00	AVRG
1,2-Dichloropropane	0.3310000	0.3288107		0.66	20.00	AVRG
cis-1,3-Dichloropropene	0.5180000	0.5168665		0.22	50.00	AVRG
Trichloroethene	0.3790000	0.3825744		-0.94	50.00	AVRG
Dibromochloromethane	0.8260000	0.8284434		-0.30	50.00	AVRG
1,1,2-Trichloroethane	0.4480000	0.4463799		0.36	50.00	AVRG
Benzene	0.8620000	0.8685856		-0.76	50.00	AVRG
trans-1,3-Dichloropropene	0.7600000	0.7705089		-1.38	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.1780000	0.1740492		2.22	50.00	AVRG
Bromoform	0.5620000	0.5449191	0.1	3.04	50.00	AVRG
4-Methyl-2-Pentanone	0.2780000	0.2484806		10.62	50.00	AVRG
2-Hexanone	0.2910000	0.2601704		10.59	50.00	AVRG
Tetrachloroethene	0.6500000	0.6724941		-3.46	50.00	AVRG
1,1,2,2-Tetrachloroethane	1.3050000	1.2471631	0.3	4.43	50.00	AVRG
Toluene	1.4620000	1.4762390		-0.97	20.00	AVRG
Chlorobenzene	0.9730000	0.9542656	0.3	1.92	50.00	AVRG
Ethylbenzene	0.4580000	0.4588245		-0.18	20.00	AVRG
Styrene	0.9260000	0.9313025		-0.57	50.00	AVRG
Xylene (Total)	0.5590000	0.5573256		0.30	50.00	AVRG
Ethyl Ether	0.1730000	0.1719194		0.62	50.00	AVRG
Acrolein	0.0000000			0.00	99.00	AVRG
Freon TF	0.5980000	0.5959915		0.34	50.00	AVRG
Isopropanol	0.0000000			0.00	50.00	AVRG
Acetonitrile	0.0190000	0.0184736		2.77	50.00	AVRG
TBA	0.0190000	0.0208159		-9.56	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/19/06 Time: 0759

Lab File ID: BB79755 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Acrylonitrile	0.0600000	0.0550309		8.28	50.00	AVRG
MTBE	0.7310000	0.7030609		3.82	50.00	AVRG
Hexane	0.0000000			0.00	50.00	AVRG
DIPE	1.1970000	1.1291377		5.67	50.00	AVRG
Ethyl Acetate	0.0320000	0.0299086		6.54	50.00	AVRG
Vinyl Acetate	0.7650000	0.6956700		9.06	50.00	AVRG
Tetrahydrofuran	0.0000000			0.00	50.00	AVRG
Cyclohexane	0.4190000	0.4179170		0.26	50.00	AVRG
Isobutanol	0.0000000			0.00	50.00	AVRG
Isopropyl Acetate	0.6590000	0.6085780		7.65	50.00	AVRG
n-Heptane	0.0000000			0.00	50.00	AVRG
n-Butanol	0.0000000			0.00	50.00	AVRG
Propyl Acetate	0.5170000	0.4721270		8.68	50.00	AVRG
Butyl Acetate	0.8540000	0.7866799		7.88	50.00	AVRG
1,2-Dibromoethane	0.6940000	0.6746606		2.79	50.00	AVRG
1,3-Dichlorobenzene	1.4860000	1.5466125		-4.08	50.00	AVRG
1,4-Dichlorobenzene	1.5840000	1.6291275		-2.85	50.00	AVRG
1,2-Dichlorobenzene	1.4150000	1.4401514		-1.78	50.00	AVRG
Naphthalene	1.7380000	1.6309702		6.16	50.00	AVRG
Methylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dimethylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dichlorodifluoromethane	0.4190000	0.3858209		7.92	50.00	AVRG
1,1-Dichloropropene	0.4840000	0.5004462		-3.40	50.00	AVRG
1,2,4-Trichlorobenzene	1.0420000	1.0598169		-1.71	50.00	AVRG
Hexachlorobutadiene	0.7100000	0.7489890		-5.49	50.00	AVRG
1,4-Dioxane	0.0030000	0.0037838		-26.13	50.00	AVRG
Methyl Acrylate	0.0000000			0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.5500000	0.5538082		-0.69	50.00	AVRG
1,2,3-Trichlorobenzene	0.9410000	0.9417850		-0.08	50.00	AVRG
1,2,3-Trichloropropane	0.3060000	0.2960617		3.25	50.00	AVRG
1,2,4-Trimethylbenzene	2.0530000	2.0957184		-2.08	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.3200000	0.2938764		8.16	50.00	AVRG
1,3,5-Trimethylbenzene	2.0430000	2.0879955		-2.20	50.00	AVRG
1,3-Dichloropropane	0.0280000	0.0285265		-1.88	50.00	AVRG
2,2-Dichloropropane	0.4940000	0.5273036		-6.74	50.00	AVRG
2-Chlorotoluene	2.5640000	2.3554548		8.13	50.00	AVRG
4-Chlorotoluene	2.4380000	2.5587247		-4.95	50.00	AVRG
Bromobenzene	0.9290000	0.9623360		-3.59	50.00	AVRG
Bromochloromethane	0.1920000	0.1938092		-0.94	50.00	AVRG
Dibromomethane	0.3260000	0.3176548		2.56	50.00	AVRG
Isopropylbenzene	1.6290000	1.6197246		0.57	50.00	AVRG
n-Butylbenzene	2.6860000	2.8008991		-4.28	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/19/06 Time: 0759

Lab File ID: BB79755 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
n-Propylbenzene	3.5330000	3.6918588		-4.50	50.00	AVRG
p-Isopropyltoluene	2.4230000	2.5141033		-3.76	50.00	AVRG
sec-Butylbenzene	3.0160000	3.0595116		-1.44	50.00	AVRG
tert-Butylbenzene	2.1660000	2.2447705		-3.64	50.00	AVRG
Allyl chloride	0.0000000			0.00	50.00	AVRG
Benzyl chloride	1.6220000	1.6641207		-2.60	50.00	AVRG
Epichlorohydrin	0.0260000	0.0258318		0.65	50.00	AVRG
Isoprene	0.2680000	0.2730332		-1.88	50.00	AVRG
Methyl methacrylate	0.2120000	0.1971878		6.99	50.00	AVRG
n-Pentane	0.0440000	0.0463731		-5.39	50.00	AVRG
Allyl alcohol	0.0000000			0.00	50.00	AVRG
2-Octanol	0.0000000			0.00	50.00	AVRG
2-Octanone	0.0000000			0.00	50.00	AVRG
Ethyl Acrylate	0.0000000			0.00	50.00	AVRG
Butyl Acrylate	0.0000000			0.00	50.00	AVRG
Butyl Methacrylate	0.0000000			0.00	50.00	AVRG
Ethyl methacrylate	0.0000000			0.00	50.00	AVRG
Ethanol	0.0000000			0.00	50.00	AVRG
Methyl Acetate	0.3400000	0.3129701		7.95	50.00	AVRG
Methyl cyclohexane	0.4580000	0.4417025		3.56	50.00	AVRG
Cyclohexanone	0.0000000			0.00	50.00	AVRG
p-Ethyltoluene	0.0000000			0.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000			0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000			0.00	50.00	AVRG
Propylene Oxide	0.0000000			0.00	50.00	AVRG
Camphene (total)	0.0000000			0.00	50.00	AVRG
Camphor	0.0000000			0.00	50.00	AVRG
Amyl Acetate	0.0000000			0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000			0.00	50.00	AVRG
1-Chlorohexane	0.0000000			0.00	50.00	AVRG
Chlorotrifluoromethane	0.0000000			0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000			0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000			0.00	50.00	AVRG
Iodomethane	0.0000000			0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000			0.00	50.00	AVRG
Acetaldehyde	0.0000000			0.00	50.00	AVRG
1,3,5-Trichlorobenzene	0.0000000			0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000			0.00	50.00	AVRG
1-Bromo-2-chloroethane	0.0000000			0.00	50.00	AVRG
4-Chlorobenzotrifluoride	0.0000000			0.00	50.00	AVRG
2-Chloropropene	0.0000000			0.00	50.00	AVRG
tert-Butyl ethyl ether	0.0000000		0.01	0.00	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/19/06 Time: 0759

Lab File ID: BB79755 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
1,3-Butadiene	0.0000000		0.01	0.00	50.00	AVRG
1,2-Dichloroethane-d4 (SUR)	0.3140000	0.3078269		1.96	50.00	AVRG
Toluene-d8 (SUR)	1.2340000	1.2715709		-3.04	50.00	AVRG
Bromofluorobenzene (SUR)	0.9320000	0.9859163		-5.78	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/24/06 Time: 0905

Lab File ID: BB79848 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Chloromethane	0.1690000	0.1636468	0.1	3.17	50.00	AVRG
Bromomethane	0.2190000	0.1640274		25.10	50.00	AVRG
Vinyl Chloride	0.2120000	0.2087631		1.53	20.00	AVRG
Chloroethane	0.1480000	0.1459698		1.37	50.00	AVRG
Methylene Chloride	0.2890000	0.2983161		-3.22	50.00	AVRG
Acetone	0.0180000	0.0160607		10.77	50.00	AVRG
Carbon Disulfide	0.7900000	0.7790016		1.39	50.00	AVRG
Trichlorofluoromethane	0.5780000	0.5560515		3.80	50.00	AVRG
1,1-Dichloroethene	0.2600000	0.2546003		2.08	20.00	AVRG
1,1-Dichloroethane	0.5290000	0.5263683	0.1	0.50	50.00	AVRG
trans-1,2-Dichloroethene	0.2990000	0.2967688		0.75	50.00	AVRG
cis-1,2-Dichloroethene	0.3080000	0.3061034		0.62	50.00	AVRG
Chloroform	0.6360000	0.6242378		1.85	20.00	AVRG
1,2-Dichloroethane	0.3800000	0.3542794		6.77	50.00	AVRG
2-Butanone	0.0280000	0.0250529		10.52	50.00	AVRG
1,1,1-Trichloroethane	0.5630000	0.5443312		3.32	50.00	AVRG
Carbon Tetrachloride	0.5010000	0.5085531		-1.51	50.00	AVRG
Bromodichloromethane	0.6580000	0.6575046		0.08	50.00	AVRG
1,2-Dichloropropane	0.3310000	0.3253984		1.69	20.00	AVRG
cis-1,3-Dichloropropene	0.5180000	0.5132090		0.92	50.00	AVRG
Trichloroethene	0.3790000	0.3794967		-0.13	50.00	AVRG
Dibromochloromethane	0.8260000	0.8083742		2.13	50.00	AVRG
1,1,2-Trichloroethane	0.4480000	0.4246860		5.20	50.00	AVRG
Benzene	0.8620000	0.8826203		-2.39	50.00	AVRG
trans-1,3-Dichloropropene	0.7600000	0.7334931		3.49	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.1780000	0.1649239		7.35	50.00	AVRG
Bromoform	0.5620000	0.5467537	0.1	2.71	50.00	AVRG
4-Methyl-2-Pentanone	0.2780000	0.2500783		10.04	50.00	AVRG
2-Hexanone	0.2910000	0.2559714		12.04	50.00	AVRG
Tetrachloroethene	0.6500000	0.6601413		-1.56	50.00	AVRG
1,1,2,2-Tetrachloroethane	1.3050000	1.2398546	0.3	4.99	50.00	AVRG
Toluene	1.4620000	1.4722068		-0.70	20.00	AVRG
Chlorobenzene	0.9730000	0.9702025	0.3	0.29	50.00	AVRG
Ethylbenzene	0.4580000	0.4632598		-1.15	20.00	AVRG
Styrene	0.9260000	0.9278050		-0.19	50.00	AVRG
Xylene (Total)	0.5590000	0.5560259		0.53	50.00	AVRG
Ethyl Ether	0.1730000	0.1694017		2.08	50.00	AVRG
Acrolein	0.0000000			0.00	99.00	AVRG
Freon TF	0.5980000	0.5812937		2.79	50.00	AVRG
Isopropanol	0.0000000			0.00	50.00	AVRG
Acetonitrile	0.0190000	0.0171924		9.51	50.00	AVRG
TBA	0.0190000	0.0173827		8.51	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/24/06 Time: 0905

Lab File ID: BB79848 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Acrylonitrile	0.0600000	0.0548462		8.59	50.00	AVRG
MTBE	0.7310000	0.6925104		5.26	50.00	AVRG
Hexane	0.0000000			0.00	50.00	AVRG
DIPE	1.1970000	1.1086753		7.38	50.00	AVRG
Ethyl Acetate	0.0320000	0.0290037		9.36	50.00	AVRG
Vinyl Acetate	0.7650000	0.6314586		17.46	50.00	AVRG
Tetrahydrofuran	0.0000000			0.00	50.00	AVRG
Cyclohexane	0.4190000	0.4126742		1.51	50.00	AVRG
Isobutanol	0.0000000			0.00	50.00	AVRG
Isopropyl Acetate	0.6590000	0.5989654		9.11	50.00	AVRG
n-Heptane	0.0000000			0.00	50.00	AVRG
n-Butanol	0.0000000			0.00	50.00	AVRG
Propyl Acetate	0.5170000	0.4562243		11.76	50.00	AVRG
Butyl Acetate	0.8540000	0.7744318		9.32	50.00	AVRG
1,2-Dibromoethane	0.6940000	0.6592571		5.01	50.00	AVRG
1,3-Dichlorobenzene	1.4860000	1.5073366		-1.44	50.00	AVRG
1,4-Dichlorobenzene	1.5840000	1.6264447		-2.68	50.00	AVRG
1,2-Dichlorobenzene	1.4150000	1.4240749		-0.64	50.00	AVRG
Naphthalene	1.7380000	1.6570308		4.66	50.00	AVRG
Methylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dimethylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dichlorodifluoromethane	0.4190000	0.4017927		4.11	50.00	AVRG
1,1-Dichloropropene	0.4840000	0.4925439		-1.76	50.00	AVRG
1,2,4-Trichlorobenzene	1.0420000	1.0668564		-2.38	50.00	AVRG
Hexachlorobutadiene	0.7100000	0.7376401		-3.89	50.00	AVRG
1,4-Dioxane	0.0030000	0.0024726		17.58	50.00	AVRG
Methyl Acrylate	0.0000000			0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.5500000	0.5379927		2.18	50.00	AVRG
1,2,3-Trichlorobenzene	0.9410000	0.9473094		-0.67	50.00	AVRG
1,2,3-Trichloropropane	0.3060000	0.2927929		4.32	50.00	AVRG
1,2,4-Trimethylbenzene	2.0530000	2.0609670		-0.39	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.3200000	0.2867412		10.39	50.00	AVRG
1,3,5-Trimethylbenzene	2.0430000	2.0452407		-0.11	50.00	AVRG
1,3-Dichloropropane	0.0280000	0.0277456		0.91	50.00	AVRG
2,2-Dichloropropane	0.4940000	0.5014674		-1.51	50.00	AVRG
2-Chlorotoluene	2.5640000	2.5960192		-1.25	50.00	AVRG
4-Chlorotoluene	2.4380000	2.4416826		-0.15	50.00	AVRG
Bromobenzene	0.9290000	0.9500398		-2.26	50.00	AVRG
Bromochloromethane	0.1920000	0.1952372		-1.69	50.00	AVRG
Dibromomethane	0.3260000	0.3111384		4.56	50.00	AVRG
Isopropylbenzene	1.6290000	1.6058365		1.42	50.00	AVRG
n-Butylbenzene	2.6860000	2.7107836		-0.92	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/24/06 Time: 0905

Lab File ID: BB79848 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
n-Propylbenzene	3.5330000	3.6096952		-2.17	50.00	AVRG
p-Isopropyltoluene	2.4230000	2.4625561		-1.63	50.00	AVRG
sec-Butylbenzene	3.0160000	3.0311213		-0.50	50.00	AVRG
tert-Butylbenzene	2.1660000	2.2033570		-1.72	50.00	AVRG
Allyl chloride	0.0000000			0.00	50.00	AVRG
Benzyl chloride	1.6220000	1.6002349		1.34	50.00	AVRG
Epichlorohydrin	0.0260000	0.0229989		11.54	50.00	AVRG
Isoprene	0.2680000	0.2690300		-0.38	50.00	AVRG
Methyl methacrylate	0.2120000	0.2017127		4.85	50.00	AVRG
n-Pentane	0.0440000	0.0452518		-2.84	50.00	AVRG
Allyl alcohol	0.0000000			0.00	50.00	AVRG
2-Octanol	0.0000000			0.00	50.00	AVRG
2-Octanone	0.0000000			0.00	50.00	AVRG
Ethyl Acrylate	0.0000000			0.00	50.00	AVRG
Butyl Acrylate	0.0000000			0.00	50.00	AVRG
Butyl Methacrylate	0.0000000			0.00	50.00	AVRG
Ethyl methacrylate	0.0000000			0.00	50.00	AVRG
Ethanol	0.0000000			0.00	50.00	AVRG
Methyl Acetate	0.3400000	0.3116248		8.34	50.00	AVRG
Methyl cyclohexane	0.4580000	0.4533137		1.02	50.00	AVRG
Cyclohexanone	0.0000000			0.00	50.00	AVRG
p-Ethyltoluene	0.0000000			0.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000			0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000			0.00	50.00	AVRG
Propylene Oxide	0.0000000			0.00	50.00	AVRG
Camphene (total)	0.0000000			0.00	50.00	AVRG
Camphor	0.0000000			0.00	50.00	AVRG
Amyl Acetate	0.0000000			0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000			0.00	50.00	AVRG
1-Chlorohexane	0.0000000			0.00	50.00	AVRG
Chlorotrifluoromethane	0.0000000			0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000			0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000			0.00	50.00	AVRG
Iodomethane	0.0000000			0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000			0.00	50.00	AVRG
Acetaldehyde	0.0000000			0.00	50.00	AVRG
1,3,5-Trichlorobenzene	0.0000000			0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000			0.00	50.00	AVRG
1-Bromo-2-chloroethane	0.0000000			0.00	50.00	AVRG
4-Chlorobenzotrifluoride	0.0000000			0.00	50.00	AVRG
2-Chloropropene	0.0000000			0.00	50.00	AVRG
tert-Butyl ethyl ether	0.0000000		0.01	0.00	50.00	AVRG

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS10 Calibration Date: 10/24/06 Time: 0905

Lab File ID: BB79848 Init. Calib. Date(s): 10/18/06 10/18/06

Init. Calib. Times: 1426 2013

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
1,3-Butadiene	0.0000000		0.01	0.00	50.00	AVRG
1,2-Dichloroethane-d4 (SUR)	0.3140000	0.2898607		7.69	50.00	AVRG
Toluene-d8 (SUR)	1.2340000	1.2445260		-0.85	50.00	AVRG
Bromofluorobenzene (SUR)	0.9320000	0.9791665		-5.06	50.00	AVRG

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: WATER Level: LOW Lab Job No: Y485

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	BBV292	101	95	96		0
02	778393	104	99	100		0
03	778394	106	97	99		0
04	778385	109	100	103		0
05	778386	105	98	98		0
06	778388	106	99	99		0
07	778389	110	99	103		0
08	778390	108	98	99		0
09	778391MS	98	95	92		0
10	778391MSD	103	102	103		0
11	778387	98	93	91		0
12	778395	111	101	102		0
13	BBV297	102	106	111		0
14	778391	102	104	109		0
15	778392	93	97	101		0
16						
17						
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29						
30						

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(65-144)
S2	= Toluene-d8	(63-141)
S3	= Bromofluorobenzene	(60-146)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 778391

MS Sample from Lab Job No: Y485

QA Batch: 3749

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	50	0.00	56	112	57-144
1,1-Dichloroethene	50	0.00	50	100	70-135
Methylene Chloride	50	0.00	54	108	76-132
MTBE	50	0.00	52	104	70-130
1,1-Dichloroethane	50	0.00	53	106	65-139
Bromochloromethane	50	0.00	52	104	70-130
Chloroform	50	0.00	52	104	73-131
Benzene	50	0.00	53	106	76-131
Trichloroethene	50	0.00	51	102	70-134
1,2-Dichloropropane	50	0.00	54	108	73-130
Toluene	50	0.00	51	102	70-131
Tetrachloroethene	50	0.00	50	100	60-145
Chlorobenzene	50	0.00	51	102	78-130
Ethylbenzene	50	0.00	51	102	75-134
Isopropylbenzene	50	0.00	50	100	70-130
1,3-Dichlorobenzene	50	0.00	50	100	78-128

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	50	58	116	4	40	57-144
1,1-Dichloroethene	50	50	100	0	40	70-135
Methylene Chloride	50	54	108	0	40	76-132
MTBE	50	52	104	0	40	70-130
1,1-Dichloroethane	50	52	104	2	40	65-139
Bromochloromethane	50	51	102	2	40	70-130
Chloroform	50	50	100	4	40	73-131
Benzene	50	52	104	2	40	76-131
Trichloroethene	50	51	102	0	40	70-134
1,2-Dichloropropane	50	52	104	4	40	73-130
Toluene	50	49	98	4	40	70-131
Tetrachloroethene	50	49	98	2	40	60-145
Chlorobenzene	50	50	100	2	40	78-130
Ethylbenzene	50	50	100	2	40	75-134
Isopropylbenzene	50	49	98	2	40	70-130
1,3-Dichlorobenzene	50	51	102	2	40	78-128

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 16 outside limits
Spike Recovery: 0 out of 32 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): BB79755 Date Analyzed: 10/19/06

Instrument ID: VOAMS10 Time Analyzed: 0759

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	3131689	10.40	1839906	14.78	1071236	17.66
	UPPER LIMIT	6263378	10.90	3679812	15.28	2142472	18.16
	LOWER LIMIT	1565844	9.90	919953	14.28	535618	17.16
	LABORATORY SAMPLE NO.						
01	BBV292	2684608	10.39	1671634	14.78	1000255	17.65
02	778393	2758359	10.40	1625590	14.79	945306	17.67
03	778394	2945612	10.40	1726710	14.79	992318	17.67
04	778385	2813995	10.40	1665331	14.79	959326	17.67
05	778386	2724614	10.41	1642687	14.80	950164	17.66
06	778388	2370926	10.41	1463046	14.80	843160	17.68
07	778389	2531788	10.41	1544453	14.80	872071	17.67
08	778390	2729290	10.41	1638130	14.80	937705	17.68
09	778391MS	2352188	10.43	1440936	14.81	889627	17.68
10	778391MSD	2549220	10.43	1538536	14.80	919309	17.68
11	778387	2298572	10.43	1334748	14.81	793492	17.68
12	778395	2655175	10.43	1565810	14.81	895832	17.69
13							
14							
15							
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20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): BB79848 Date Analyzed: 10/24/06

Instrument ID: VOAMS10 Time Analyzed: 0905

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	3011705	10.43	1827536	14.82	1077878	17.70
	UPPER LIMIT	6023410	10.93	3655072	15.32	2155756	18.20
	LOWER LIMIT	1505852	9.93	913768	14.32	538939	17.20
	LABORATORY SAMPLE NO.						
01	BBV297	3132622	10.42	1830391	14.80	1033472	17.68
02	778391	3082445	10.41	1813843	14.80	1028377	17.68
03	778392	3183759	10.43	1843201	14.80	1029238	17.68
04							
05							
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18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS Forms and Data (Semivolatiles)

Results Summary and Chromatograms

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28861.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28861.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: **MW04-061017**
Site: Sun Chemical SI

Lab Sample No: **778388**
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28861.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown	10.88	160	
2.	Unknown	17.31	14	
3.				
4.				
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30.				

TOTAL ESTIMATED CONCENTRATION 174

Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28861.d
Report Date: 21-Oct-2006 00:25

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28861.d
Lab Smp Id: 778388 Client Smp ID: MW04-061017
Inj Date : 20-OCT-2006 03:24
Operator : BNAMS3 Inst ID: BNAMS3.i
Smp Info : 778388;3306286
Misc Info : Y485;WB291A;QA4309
Comment :
Method : /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/8270C6-1.m
Meth Date : 19-Oct-2006 23:55 asfawa Quant Type: ISTD
Cal Date : 14-OCT-2006 03:09 Cal File: t28783.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLBNb.sub
Target Version: 3.50
Processing Host: hpd1 ✓

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

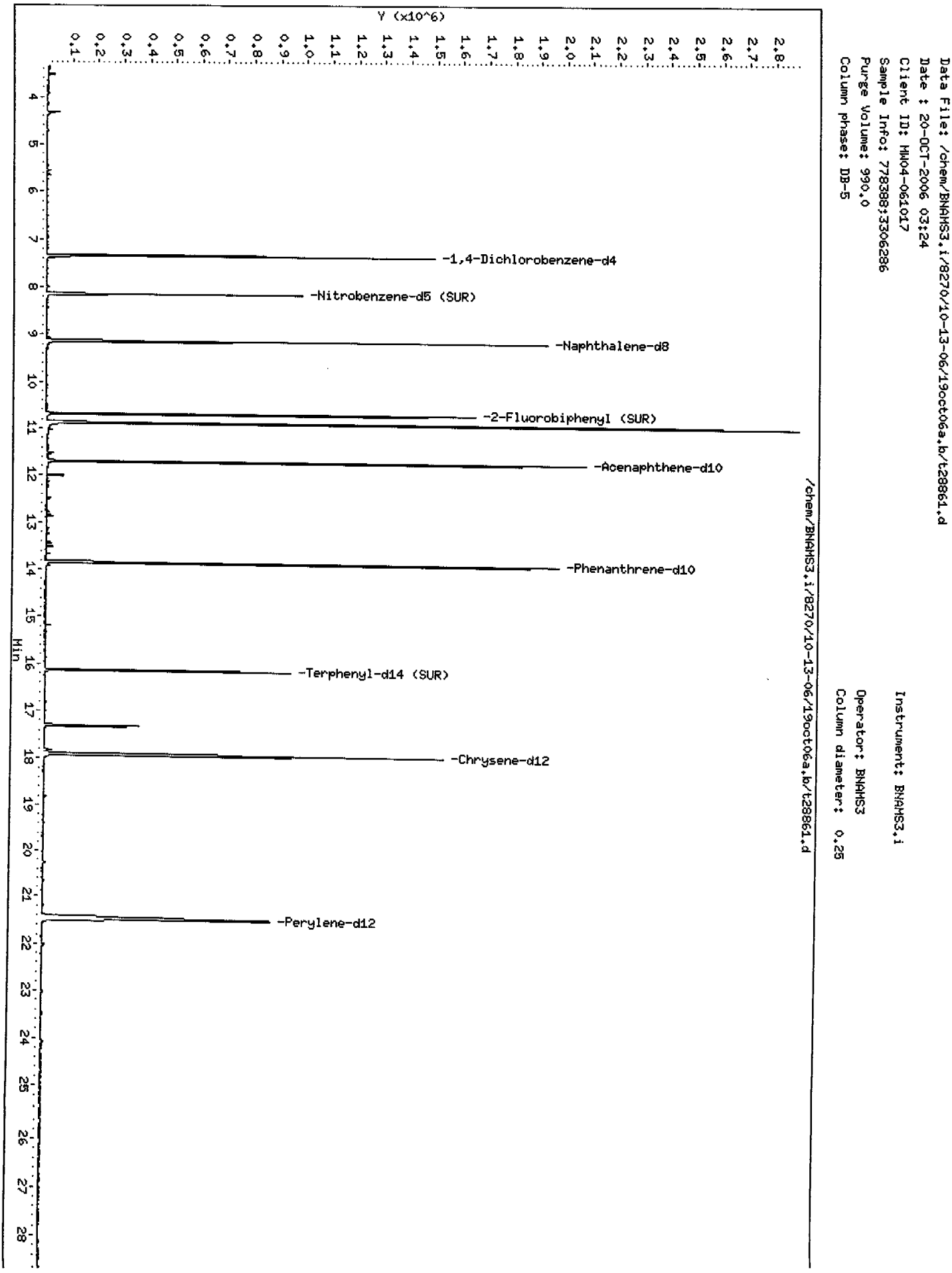
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	990.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 79 1,4-Dichlorobenzene-d4	152	7.336	7.335	(1.000)	339665	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.137	8.142	(0.891)	385769	36.1388	73
* 80 Naphthalene-d8	136	9.134	9.133	(1.000)	1279681	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.682	10.687	(0.913)	704069	35.6850	72
* 82 Acenaphthene-d10	164	11.698	11.697	(1.000)	652969	40.0000	
* 83 Phenanthrene-d10	188	13.842	13.847	(1.000)	988702	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	16.137	16.136	(0.901)	362316	18.8932	38(R)
* 81 Chrysene-d12	240	17.911	17.922	(1.000)	944325	40.0000	
* 84 Perylene-d12	264	21.472	21.483	(1.000)	820035	40.0000	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.


Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28861.d
Date : 20-OCT-2006 03:24
Client ID: MW04-061017
Sample Info: 778388;3306286
Purge Volume: 990.0
Column phase: DB-5
Instrument: BNAMS3.i
Operator: BNAMS3
Column diameter: 0.25
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthene-d10
-Phenanthrene-d10
-Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28861.d

Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28861.d

Date : 20-OCT-2006 03:24

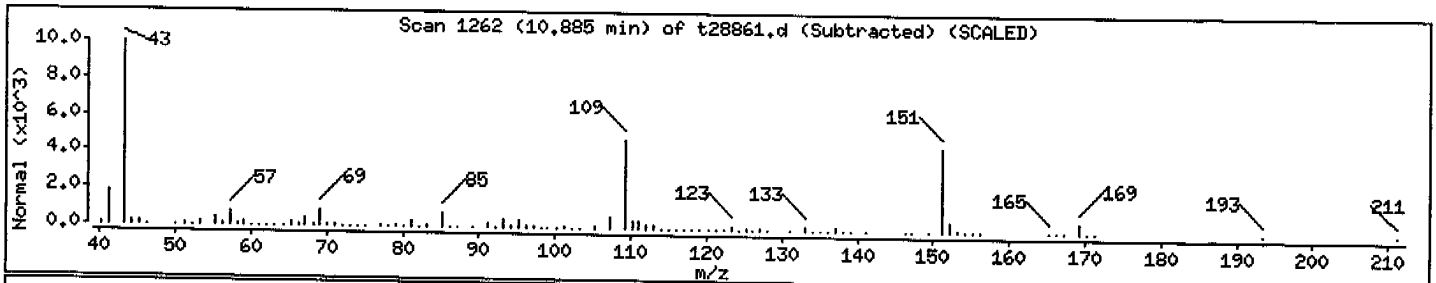
Client ID: MW04-061017 Instrument: BNAMS3.i

Sample Info: 778388;3306286

Purge Volume: 990.0 Operator: BNAMS3

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28861.d

Date : 20-OCT-2006 03:24

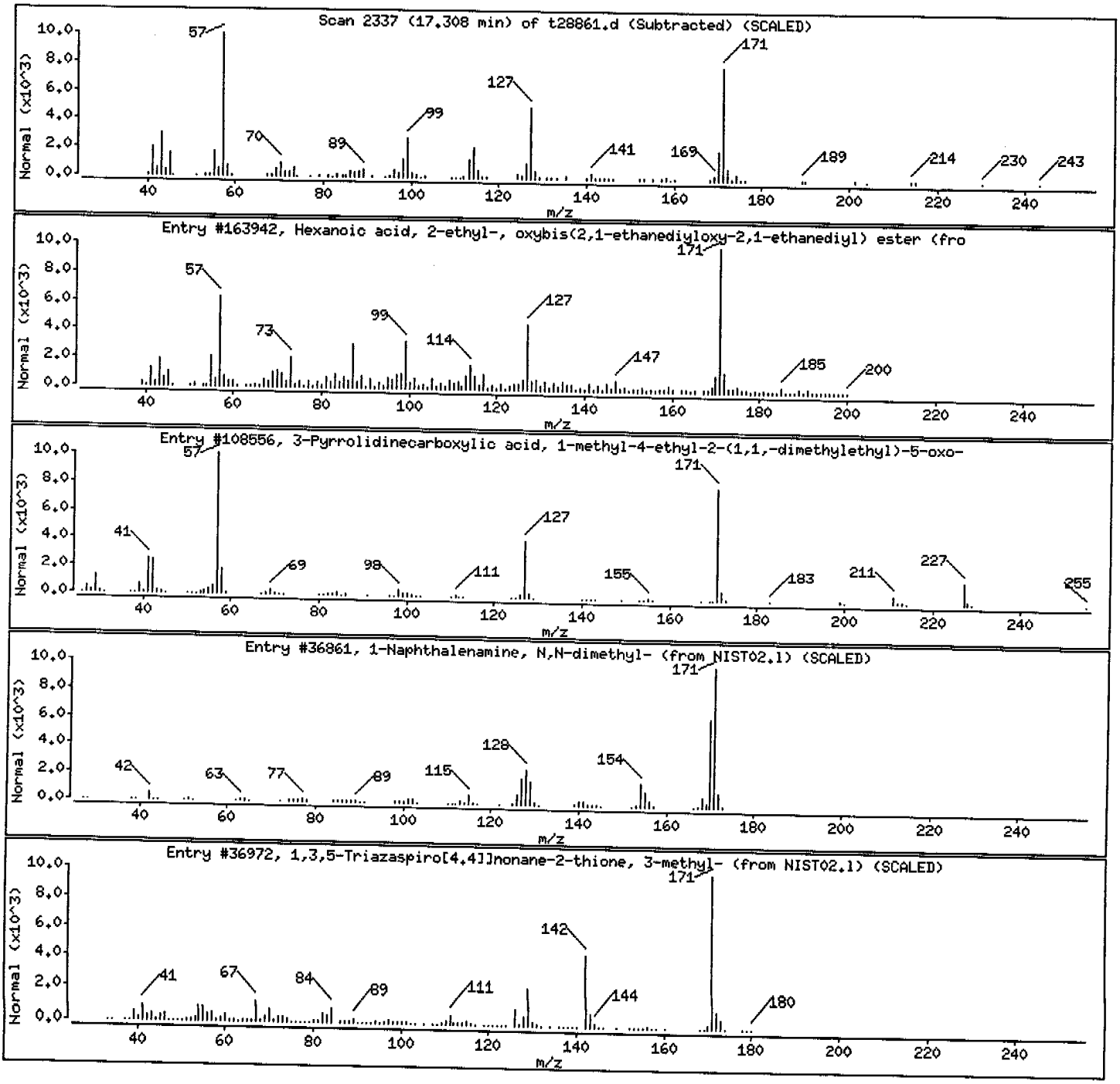
Client ID: MW04-061017 Instrument: BNAMS3.i

Sample Info: 778388;3306286

Purge Volume: 990.0 Operator: BNAMS3

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Hexanoic acid, 2-ethyl-, oxybis(2,1-etha	18268-70-7	NIST02.l	163942	45	C24H4607	446
3-Pyrrolidinecarboxylic acid, 1-methyl-4	1000196-95-3	NIST02.l	108556	40	C15H28N2O3	284
1-Naphthalenamine, N,N-dimethyl-	86-56-6	NIST02.l	36861	35	C12H13N	171
1,3,5-Triazaspiro[4.4]nonane-2-thione,	1000277-58-6	NIST02.l	36972	27	C7H13N3S	171



Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: T28777

DFTPP Injection Date: 10/13/06

Instrument ID: BNAMS3

DFTPP Injection Time: 2331

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	48.6
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	54.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	17.0
365	Greater than 1.0% of mass 198	1.27
441	0.0 - 100.0% of mass 443	6.8 (73.4)2
442	40.0 - 110.0% of mass 198	45.3
443	17.0 - 23.0% of mass 442	9.3 (20.4)3

1-Value is % mass 69
2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	TSTD286B	TSTD286B	T28778	10/13/06	2348
02	TSTD120	TSTD120	T28779	10/14/06	0036
03	TSTD005	TSTD005	T28780	10/14/06	0114
04	TSTD080	TSTD080	T28781	10/14/06	0152
05	TSTD020	TSTD020	T28782	10/14/06	0231
06	TSTD010	TSTD010	T28783	10/14/06	0309
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS3.i/8270/10-13-06/13oct06b.b/t28777.d

Date : 13-OCT-2006 23:31

Client ID:

Instrument: BNAMS3.i

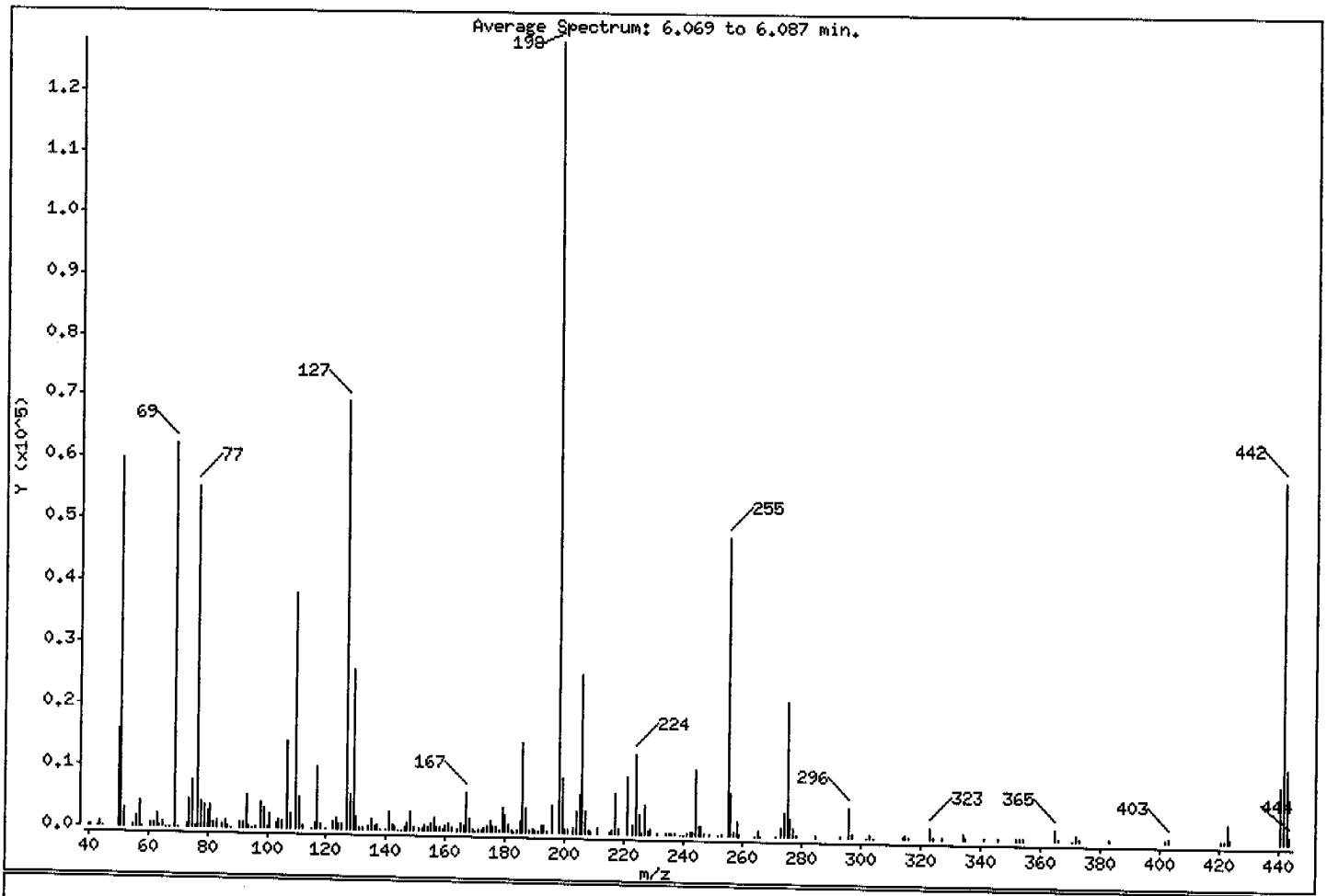
Sample Info: TDFTPP286A

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.68
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	48.61
70	Less than 2.00% of mass 69	0.10 (0.20)
127	40.00 - 60.00% of mass 198	54.06
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	17.02
365	Greater than 1.00% of mass 198	1.27
441	0.01 - 100.00% of mass 443	6.79 (73.39)
442	40.00 - 110.00% of mass 198	45.30
443	17.00 - 23.00% of mass 442	9.26 (20.44)

Data File: /chem/BNAMS3.i/8270/10-13-06/13oct06b.b/t28777.d

Date : 13-OCT-2006 23:31

Client ID:

Instrument: BNAMS3.i

Sample Info: TDFTPP286A

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25

Data File: t28777.d

Spectrum: Average Spectrum: 6.069 to 6.087 min.

Location of Maximum: 198.00

Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	305	117.00	10014	180.00	2644	253.00	337
41.00	150	118.00	873	181.00	1302	255.00	47984
43.00	89	120.00	142	182.00	160	256.00	6785
44.00	882	122.00	1163	183.00	91	257.00	553
45.00	76	123.00	1767	184.00	396	258.00	2348
50.00	15858	124.00	842	185.00	1770	259.00	332
51.00	59832	125.00	779	186.00	14299	264.00	70
52.00	2913	127.00	69296	187.00	3757	265.00	917
55.00	306	128.00	5710	188.00	351	266.00	131
56.00	1657	129.00	25976	189.00	683	271.00	63
57.00	4007	130.00	2208	190.00	178	273.00	1458
58.00	108	131.00	311	191.00	423	274.00	3696
61.00	575	132.00	214	192.00	1188	275.00	21808
62.00	658	134.00	698	193.00	1243	276.00	2964
63.00	2024	135.00	1854	194.00	216	277.00	1424
64.00	286	136.00	733	196.00	4423	278.00	251
65.00	1016	137.00	817	198.00	128184	285.00	218
66.00	76	138.00	133	199.00	8731	293.00	262
67.00	78	140.00	124	200.00	628	296.00	4620
69.00	62312	141.00	2951	201.00	636	297.00	736
70.00	127	142.00	1019	203.00	830	302.00	67
73.00	564	143.00	645	204.00	3493	303.00	509
74.00	4376	144.00	130	205.00	6098	304.00	82
75.00	7610	145.00	98	206.00	25576	314.00	201
76.00	242	146.00	591	207.00	3529	315.00	525
77.00	55312	147.00	1272	208.00	700	316.00	181
78.00	4012	148.00	2867	209.00	191	323.00	1677
79.00	3481	149.00	616	211.00	975	324.00	294
80.00	2591	151.00	407	215.00	331	327.00	212
81.00	3452	152.00	188	216.00	462	334.00	818
82.00	992	153.00	905	217.00	6345	335.00	217
83.00	1169	154.00	653	218.00	741	341.00	187
85.00	476	155.00	1228	221.00	9280	346.00	201
86.00	1032	156.00	1995	223.00	1444	352.00	411
87.00	354	157.00	517	224.00	13034	353.00	315

Data File: /chem/BNAMS3.i/8270/10-13-06/13oct06b.b/t28777.d

Date : 13-OCT-2006 23:31

Client ID:

Instrument: BNAMS3.i

Sample Info: TDFTPP286A

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25

Data File: t28777.d

Spectrum: Average Spectrum: 6.069 to 6.087 min.

Location of Maximum: 198.00

Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	71	158.00	582	225.00	3294	354.00	356
91.00	834	159.00	367	226.00	373	365.00	1628
92.00	955	160.00	803	227.00	4781	366.00	205
93.00	5423	161.00	1286	228.00	714	371.00	67
94.00	317	162.00	496	229.00	997	372.00	860
95.00	66	164.00	299	231.00	421	373.00	201
96.00	239	165.00	1145	234.00	278	383.00	154
98.00	4004	166.00	914	235.00	260	402.00	263
99.00	3352	167.00	6140	236.00	198	403.00	518
100.00	258	168.00	2161	237.00	365	421.00	319
101.00	2211	169.00	355	239.00	110	422.00	314
103.00	823	170.00	67	240.00	94	423.00	3025
104.00	1381	171.00	224	241.00	303	424.00	600
105.00	1209	172.00	432	242.00	686	441.00	8710
107.00	14154	173.00	479	243.00	486	442.00	58072
108.00	2429	174.00	1000	244.00	10702	443.00	11868
110.00	38248	175.00	1761	245.00	1487	444.00	1074
111.00	4866	176.00	745	246.00	1450		
112.00	555	177.00	914	247.00	317		
115.00	67	178.00	317	249.00	363		
116.00	1027	179.00	3945	252.00	78		

Data File: /chem/BNAMS3.i/8270/10-13-06/13oct06b.b/t28777.d

Date : 13-OCT-2006 23:31

Client ID:

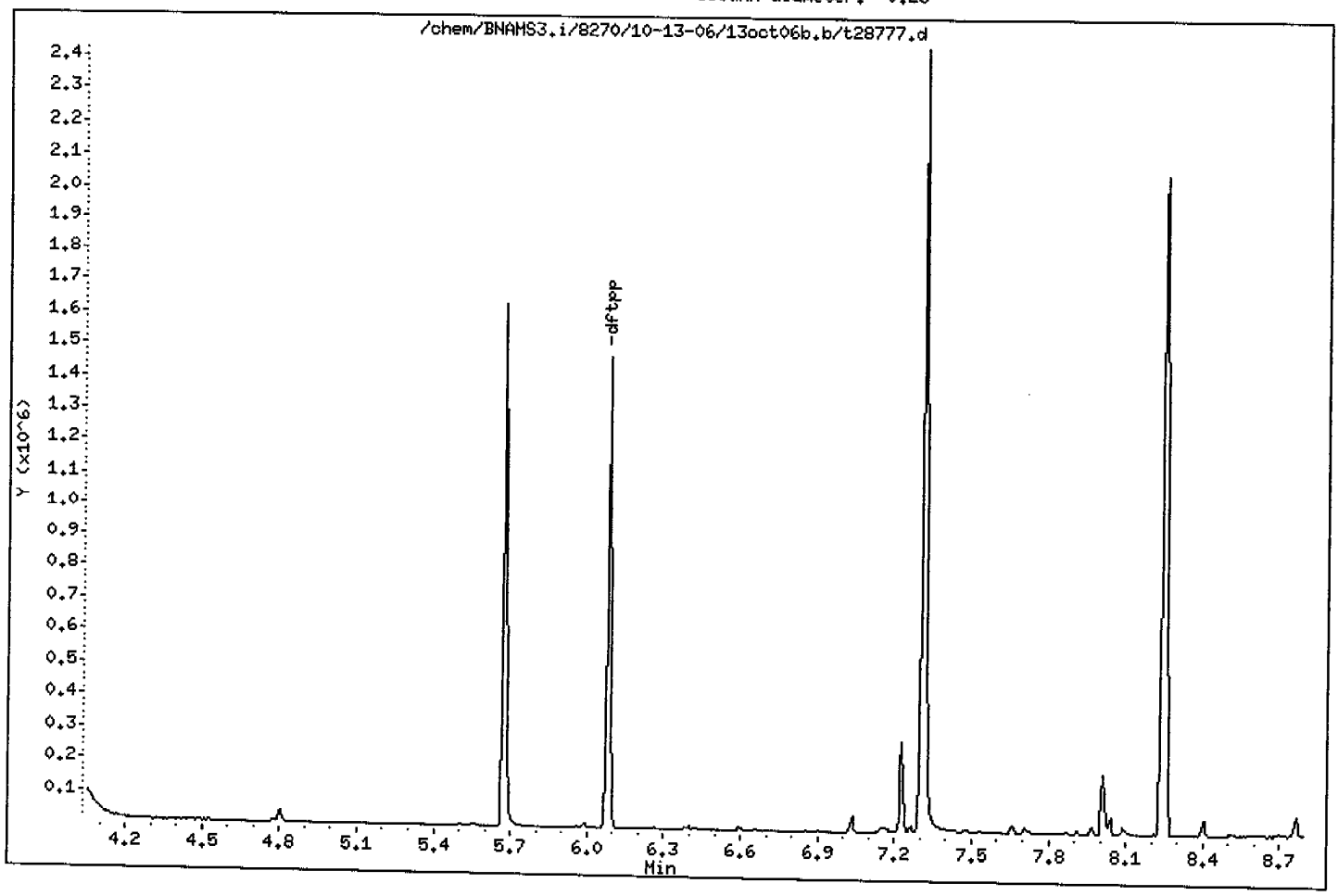
Instrument: BNAMS3.i

Sample Info: TDFTPP286A

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: T28854

DFTPP Injection Date: 10/19/06

Instrument ID: BNAMS3

DFTPP Injection Time: 2254

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.1 (0.1)1
69	Mass 69 relative abundance	40.7
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	48.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	18.7
365	Greater than 1.0% of mass 198	1.88
441	0.0 - 100.0% of mass 443	10.9 (74.5)2
442	40.0 - 110.0% of mass 198	70.5
443	17.0 - 23.0% of mass 442	14.6 (20.7)3

1-Value is % mass 69
2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	TSTD292	TSTD292	T28855	10/19/06	2312
02	WB291A	WB291A	T28857	10/20/06	0052
03	MW04-061017	778388	T28861	10/20/06	0324
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28854.d

Date : 19-OCT-2006 22:54

Client ID:

Instrument: BNAMS3.i

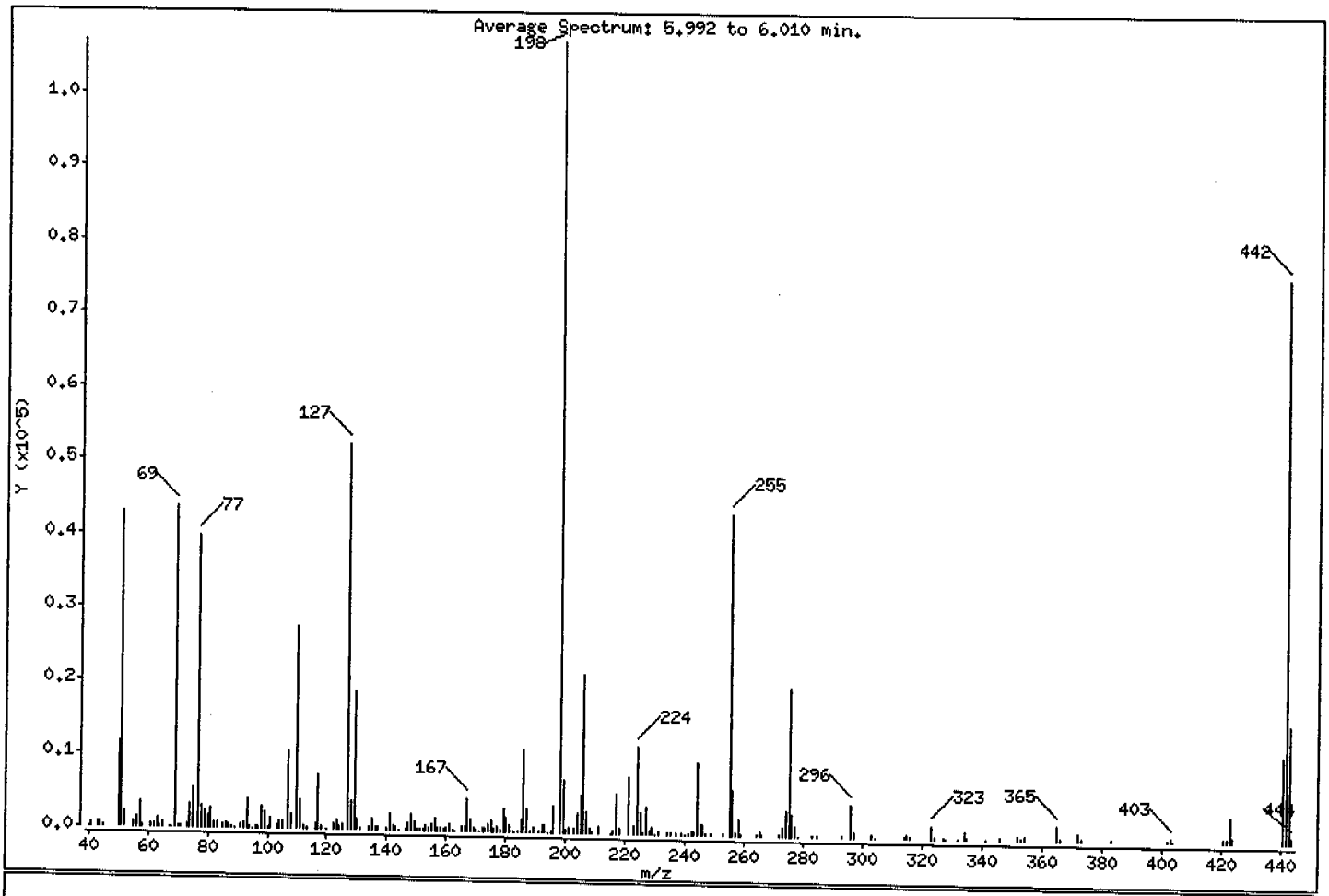
Sample Info: TDFTPP292

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.92
68	Less than 2.00% of mass 69	0.06 (0.14)
69	Mass 69 relative abundance	40.73
70	Less than 2.00% of mass 69	0.22 (0.53)
127	40.00 - 60.00% of mass 198	48.74
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 30.00% of mass 198	18.67
365	Greater than 1.00% of mass 198	1.88
441	0.01 - 100.00% of mass 443	10.88 (74.47)
442	40.00 - 110.00% of mass 198	70.54
443	17.00 - 23.00% of mass 442	14.61 (20.72)

Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28854.d

Date : 19-OCT-2006 22:54

Client ID:

Instrument: BNAMS3.i

Sample Info: TDFTPP292

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25

Data File: t28854.d

Spectrum: Average Spectrum: 5.992 to 6.010 min.

Location of Maximum: 198.00

Number of points: 221

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	68	113.00	177	180.00	1925	255.00	43472
41.00	551	116.00	754	181.00	961	256.00	6220
43.00	673	117.00	7424	182.00	145	257.00	433
44.00	771	118.00	577	183.00	64	258.00	2181
45.00	162	120.00	81	184.00	300	259.00	352
50.00	11522	122.00	756	185.00	1620	264.00	164
51.00	42848	123.00	1233	186.00	11448	265.00	808
52.00	2165	124.00	576	187.00	3102	266.00	170
55.00	641	125.00	725	188.00	255	272.00	129
56.00	1489	127.00	52304	189.00	627	273.00	1265
57.00	3434	128.00	3987	191.00	266	274.00	3532
58.00	167	129.00	18808	192.00	893	275.00	20040
61.00	542	130.00	1563	193.00	924	276.00	2840
62.00	520	131.00	365	194.00	108	277.00	1371
63.00	1336	134.00	504	195.00	245	278.00	85
64.00	156	135.00	1408	196.00	3757	283.00	135
65.00	713	136.00	569	198.00	107320	285.00	148
67.00	92	137.00	604	199.00	7195	293.00	302
68.00	63	140.00	202	200.00	541	296.00	4479
69.00	43704	141.00	2232	201.00	682	297.00	656
70.00	232	142.00	706	203.00	678	303.00	528
71.00	281	143.00	563	204.00	2810	304.00	84
73.00	424	144.00	65	205.00	5113	314.00	149
74.00	3303	146.00	259	206.00	21488	315.00	438
75.00	5533	147.00	1056	207.00	2963	316.00	192
77.00	39680	148.00	2318	208.00	655	323.00	1791
78.00	2953	149.00	1134	209.00	220	324.00	223
79.00	2405	150.00	172	211.00	925	327.00	208
80.00	1765	151.00	320	215.00	91	328.00	71
81.00	2671	152.00	176	216.00	504	332.00	73
82.00	643	153.00	638	217.00	5550	334.00	1022
83.00	844	154.00	486	218.00	687	335.00	268
85.00	565	155.00	1067	221.00	7669	341.00	66
86.00	670	156.00	1687	223.00	1297	346.00	212
87.00	415	157.00	413	224.00	11765	352.00	511

Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28854.d

Date : 19-OCT-2006 22:54

Client ID:

Instrument: BNAMS3.i

Sample Info: TDFTPP292

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25

Data File: t28854.d

Spectrum: Average Spectrum: 5.992 to 6.010 min.

Location of Maximum: 198.00

Number of points: 221

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	146	158.00	418	225.00	2918	353.00	324
89.00	62	159.00	314	226.00	344	354.00	491
91.00	607	160.00	610	227.00	3791	365.00	2015
92.00	657	161.00	955	228.00	556	366.00	168
93.00	3866	162.00	316	229.00	874	372.00	891
94.00	351	163.00	83	230.00	64	373.00	182
95.00	80	165.00	701	231.00	444	383.00	156
96.00	260	166.00	680	234.00	131	402.00	298
97.00	257	167.00	4445	235.00	222	403.00	498
98.00	2846	168.00	1768	237.00	280	404.00	69
99.00	2288	169.00	388	239.00	136	421.00	447
100.00	242	170.00	140	240.00	64	422.00	372
101.00	1541	171.00	97	241.00	162	423.00	3558
103.00	572	172.00	408	242.00	586	424.00	646
104.00	914	173.00	516	243.00	379	441.00	11678
105.00	1009	174.00	895	244.00	9935	442.00	75696
107.00	10636	175.00	1467	245.00	1391	443.00	15682
108.00	1873	176.00	484	246.00	1398	444.00	779
110.00	27624	177.00	756	247.00	275		
111.00	3902	178.00	151	249.00	284		
112.00	470	179.00	3300	253.00	176		

Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28854.d

Date : 19-OCT-2006 22:54

Client ID:

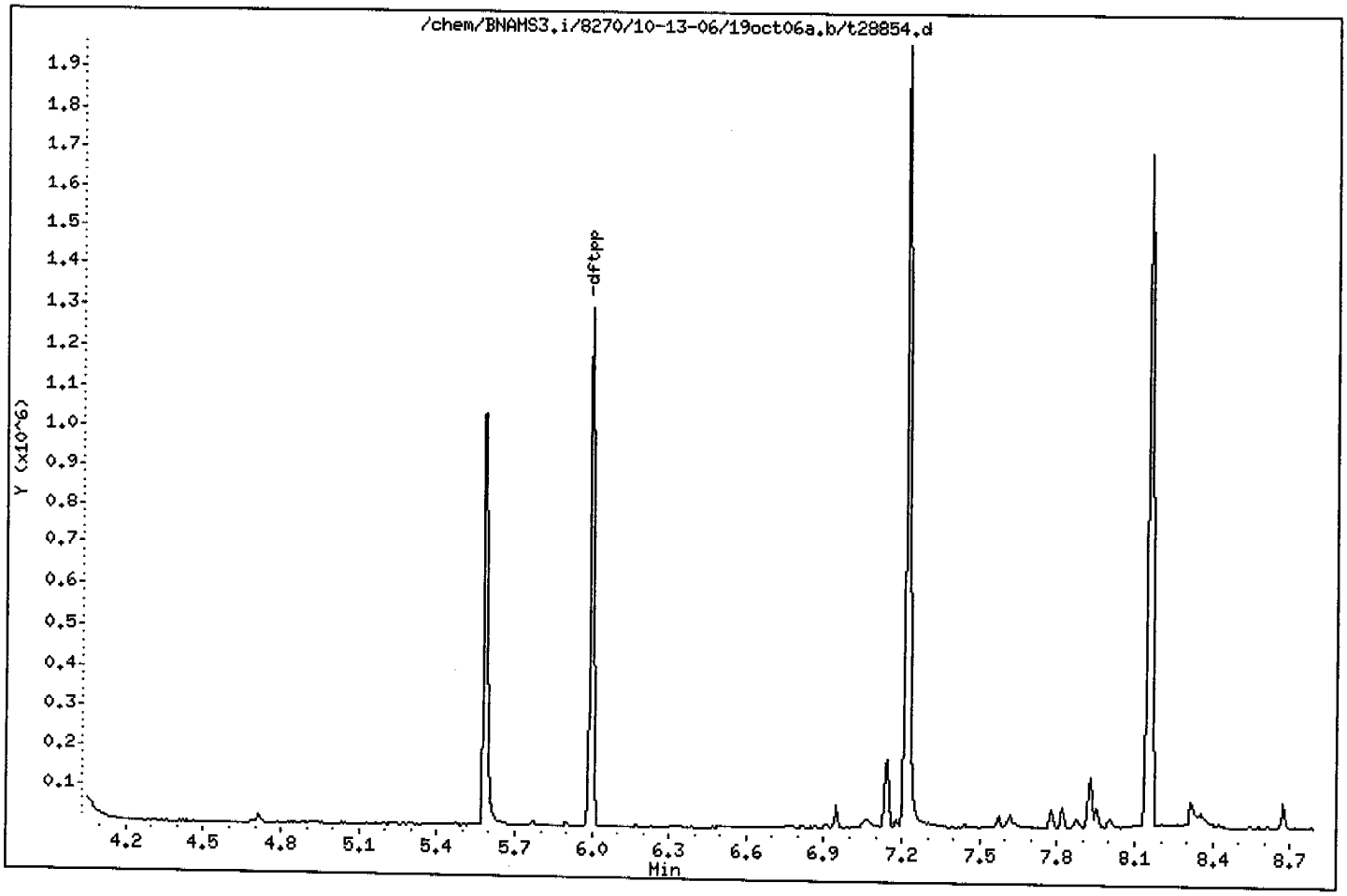
Instrument: BNAMS3.i

Sample Info: TDFTPP292

Operator: BNAMS3

Column phase: DB-5

Column diameter: 0.25



Method Blank Results Summary

SEMIVOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

WB291A

Matrix: WATER

Level: LOW

Instrument ID: BNAMS3

Date Analyzed: 10/20/06

Time Analyzed: 0052

Lab File ID: T28857

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
01	MW04-061017	778388	T28861	10/20/06
02	MW04-061017R1	778388R1	T28889	10/21/06
03				
04				
05				
06				
07				
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29				
30				

COMMENTS:

Client ID: **WB291A**
Site:

Lab Sample No: **WB291A**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28857.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	30
4-Nitrophenol	ND	30
4,6-Dinitro-2-methylphenol	ND	30
Pentachlorophenol	ND	30
Benzoic Acid	ND	10
N-Nitrosodimethylamine	ND	10
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20

Client ID: **WB291A**
Site:

Lab Sample No: **WB291A**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28857.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	ND	10
Anthracene	ND	10
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Benzidine	ND	20
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10
Pyridine	ND	10

Client ID: **WB291A**
Site:

Lab Sample No: **WB291A**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28857.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Aniline	ND	10
Benzyl Alcohol	ND	10
1,2-Diphenylhydrazine	ND	10
Diphenyl	ND	10
Diphenyl Ether	ND	10
Acetophenone	ND	10
1,4-Dioxane	ND	10
N,N-Dimethylaniline	ND	10
2,3,7,8-TCDD (Screen)	ND	1.0
Benzaldehyde	ND	1.0
Caprolactam	ND	10
Atrazine	ND	10
n-decane	ND	10
Coumarin	ND	10
n-Octadecane	ND	10
o-Tricresylphosphate	ND	10
Carbamazepine	ND	10
1-Methylnaphthalene	ND	20
	ND	20

Client ID: **WB291A**
Site:

Lab Sample No: **WB291A**
Lab Job No: Y485

Date Sampled: _____
Date Received: _____
Date Extracted: 10/18/06
Date Analyzed: 10/20/06
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t28857.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28857.d
Report Date: 21-Oct-2006 00:25

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

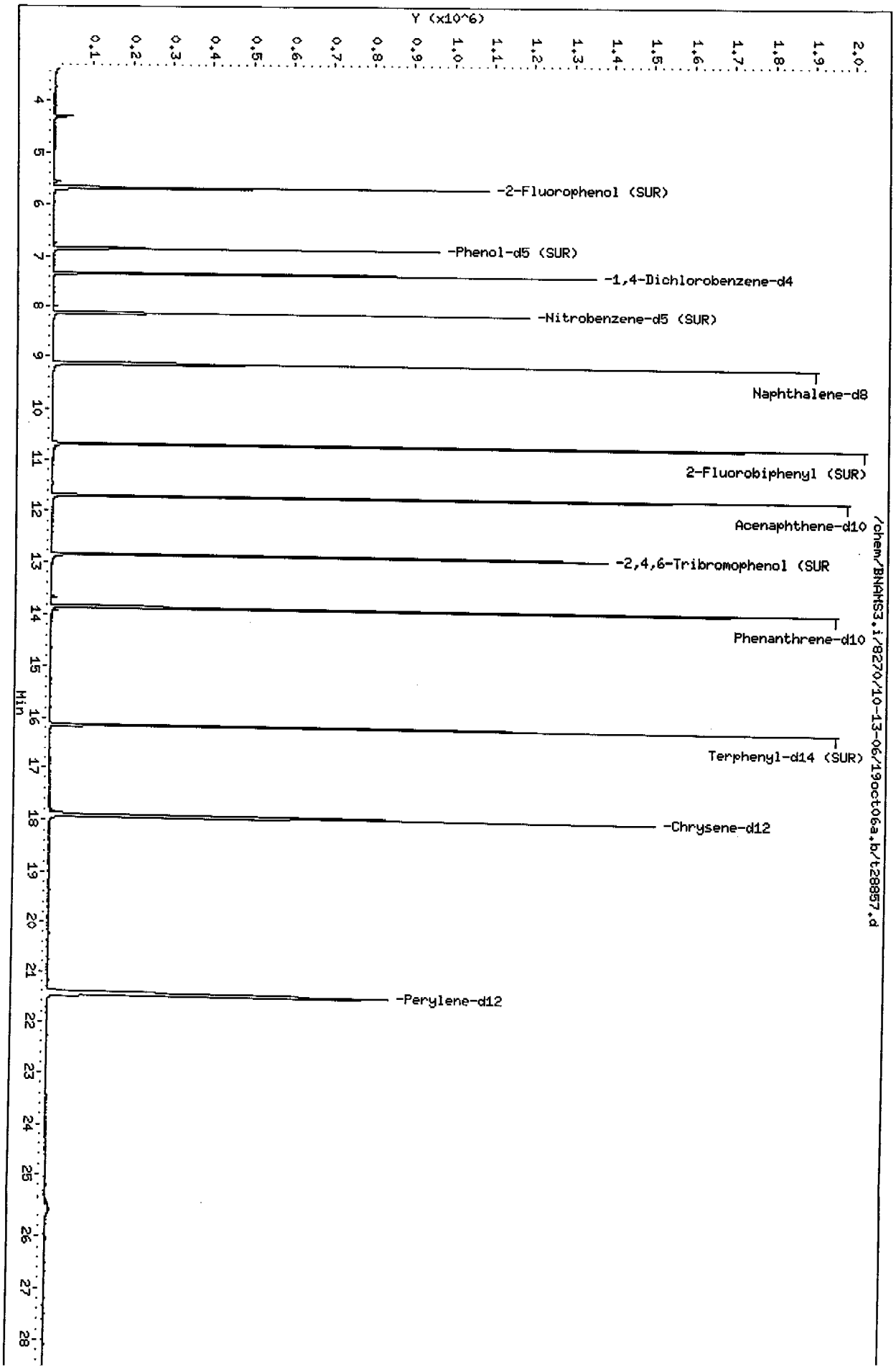
Data file : /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28857.d
Lab Smp Id: WB291A Client Smp ID: WB291A
Inj Date : 20-OCT-2006 00:52
Operator : BNAMS3 Inst ID: BNAMS3.i
Smp Info : wb291a;mb64079
Misc Info :
Comment :
Method : /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/8270C6-1.m
Meth Date : 19-Oct-2006 23:55 asfawa Quant Type: ISTD
Cal Date : 14-OCT-2006 03:09 Cal File: t28783.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	5.668	5.662	(0.773)	560123	45.3359	91
$ 17 Phenol-d5 (SUR)	99	6.846	6.857	(0.933)	468288	29.3464	59
* 79 1,4-Dichlorobenzene-d4	152	7.335	7.335	(1.000)	305730	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	8.136	8.142	(0.891)	465857	44.5262	89
* 80 Naphthalene-d8	136	9.128	9.133	(1.000)	1254254	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	10.681	10.687	(0.913)	877582	44.2401	88
* 82 Acenaphthene-d10	164	11.697	11.697	(1.000)	656500	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	12.856	12.862	(1.099)	199773	77.0518	150
* 83 Phenanthrene-d10	188	13.842	13.847	(1.000)	996338	40.0000	
$ 78 Terphenyl-d14 (SUR)	244	16.136	16.136	(0.901)	844657	43.9791	88
* 81 Chrysene-d12	240	17.905	17.922	(1.000)	945743	40.0000	
* 84 Perylene-d12	264	21.466	21.483	(1.000)	780295	40.0000	


Data File: /chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28857.d
Date : 20-OCT-2006 00:52
Client ID: WB291A
Sample Info: wb291a;mb64079
Purge Volume: 1000.0
Column phase: DB-5
Instrument: BNAMS3.i
Operator: BNAMS3
Column diameter: 0.25
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
4
5
6
7
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11
12
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18
19
20
21
22
23
24
25
26
27
28
Min
-2-Fluorophenol (SUR)
-Phenol-d5 (SUR)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
Naphthalene-d8
2-Fluorobiphenyl (SUR)
Acenaphthene-d10
-2,4,6-Tribromophenol (SUR
Phenanthrene-d10
Terphenyl-d14 (SUR)
-Chrysene-d12
-Perylene-d12
/chem/BNAMS3.i/8270/10-13-06/19oct06a.b/t28857.d

Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

LAB FILE ID: RRF5: T28780 RRF20: T28782 RRF50: T28778
RRF80: T28781 RRF120: T28779

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	2.242	2.251	1.955	1.897	1.746
2-Chlorophenol	1.806	1.713	1.588	1.588	1.548
2-Methylphenol	1.631	1.622	1.498	1.514	1.446
4-Methylphenol	1.772	1.816	1.668	1.699	1.557
2-Nitrophenol	0.196	0.234	0.209	0.206	0.196
2,4-Dimethylphenol	0.430	0.404	0.330	0.323	0.289
2,4-Dichlorophenol	0.307	0.310	0.290	0.287	0.269
4-Chloro-3-methylphenol	0.339	0.351	0.310	0.305	0.252
2,4,6-Trichlorophenol	0.266	0.371	0.376	0.354	0.356
2,4,5-Trichlorophenol	0.440	0.413	0.398	0.377	0.380
2,4-Dinitrophenol	0.182	0.231	0.258	0.253	0.262
4-Nitrophenol	0.234	0.253	0.242	0.246	0.232
4,6-Dinitro-2-methylphenol	0.192	0.190	0.186	0.172	0.153
Pentachlorophenol	0.120	0.134	0.142	0.139	0.135
Benzoic Acid	0.179	0.296	0.284	0.296	0.298
N-Nitrosodimethylamine	1.341	1.411	1.272	1.206	1.092
bis(2-Chloroethyl)ether	2.519	1.887	1.711	1.630	1.535
1,3-Dichlorobenzene	1.876	1.767	1.700	1.575	1.495
1,4-Dichlorobenzene	1.642	1.592	1.574	1.478	1.398
1,2-Dichlorobenzene	1.746	1.712	1.625	1.533	1.434
bis(2-chloroisopropyl)ether	3.505	3.438	2.993	3.080	2.788
N-Nitroso-di-n-propylamine	1.179	1.085	1.001	1.009	0.964
Hexachloroethane	0.733	0.698	0.661	0.638	0.585
Nitrobenzene	0.489	0.401	0.336	0.316	0.289
Isophorone	0.883	0.793	0.721	0.708	0.683
bis(2-Chloroethoxy)methane	0.570	0.512	0.442	0.430	0.402
1,2,4-Trichlorobenzene	0.321	0.306	0.285	0.269	0.256
Naphthalene	1.107	1.076	0.964	0.910	0.843
4-Chloroaniline	0.540	0.527	0.482	0.470	0.432
Hexachlorobutadiene	0.119	0.118	0.119	0.112	0.111
2-Methylnaphthalene	0.857	0.827	0.727	0.657	0.594
Hexachlorocyclopentadiene	0.131	0.140	0.180	0.171	0.184
2-Chloronaphthalene	1.335	1.148	1.066	0.962	0.946
2-Nitroaniline	0.400	0.383	0.339	0.340	0.326
Dimethylphthalate	1.739	1.608	1.424	1.344	1.256
Acenaphthylene	2.382	2.034	1.790	1.627	1.536
2,6-Dinitrotoluene	0.393	0.384	0.372	0.356	0.344
3-Nitroaniline	0.548	0.544	0.512	0.494	0.482
Acenaphthene	1.200	1.138	1.023	0.964	0.916

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

LAB FILE ID: RRF5: T28780 RRF20: T28782 RRF50: T28778
RRF80: T28781 RRF120: T28779

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.949	1.844	1.675	1.529	1.446
2,4-Dinitrotoluene	0.526	0.509	0.477	0.455	0.448
Diethylphthalate	1.783	1.733	1.516	1.406	1.306
4-Chlorophenyl-phenylether	0.694	0.647	0.597	0.550	0.534
Fluorene	1.646	1.467	1.290	1.189	1.133
4-Nitroaniline	0.565	0.552	0.511	0.514	0.506
N-Nitrosodiphenylamine	0.776	0.670	0.568	0.545	0.464
4-Bromophenyl-phenylether	0.207	0.203	0.191	0.182	0.168
Hexachlorobenzene	0.238	0.196	0.193	0.177	0.173
Phenanthrene	1.267	1.184	1.051	0.985	0.894
Anthracene	1.344	1.267	1.070	0.994	0.898
Carbazole	1.522	1.411	1.173	1.120	1.008
Di-n-butylphthalate	2.368	2.104	1.678	1.549	1.334
Fluoranthene	1.651	1.419	1.218	1.119	1.006
Pyrene	1.803	1.626	1.379	1.292	1.187
Benzidine	0.523	0.622	0.375	0.370	0.244
Butylbenzylphthalate	1.190	1.145	0.925	0.878	0.775
3,3'-Dichlorobenzidine	0.475	0.453	0.386	0.354	0.283
Benzo(a)anthracene	1.470	1.271	1.149	1.118	1.053
Chrysene	1.171	1.183	1.095	1.071	1.017
bis(2-Ethylhexyl)phthalate	1.652	1.400	1.105	1.043	0.935
Di-n-octylphthalate	3.528	3.257	2.668	2.545	2.349
Benzo(b)fluoranthene	1.727	1.554	1.512	1.594	1.628
Benzo(k)fluoranthene	1.742	1.522	1.292	1.140	1.076
Benzo(a)pyrene	1.496	1.440	1.317	1.275	1.252
Indeno(1,2,3-cd)pyrene	1.291	1.371	1.253	1.182	1.029
Dibenz(a,h)anthracene	1.014	1.080	0.996	0.956	0.872
Benzo(g,h,i)perylene	1.183	1.166	1.082	1.018	0.848
Pyridine	1.957	2.039	1.929	1.898	1.803
Aniline	2.922	2.556	2.302	2.214	2.149
Benzyl Alcohol	1.251	1.273	1.239	1.197	1.166
1,2-Diphenylhydrazine	1.150	1.013	0.806	0.765	0.728
Diphenyl	1.700	1.605	1.401	1.300	1.183
Diphenyl Ether	0.905	0.830	0.762	0.721	0.679
Acetophenone	2.240	2.248	2.025	1.983	1.808
1,4-Dioxane	0.786	0.834	0.826	0.828	0.823
N,N-Dimethylaniline	2.816	2.442	2.093	1.912	1.687
2,3,7,8-TCDD (Screen)			0.134		
Benzaldehyde	0.832	1.109	0.742	0.545	

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

LAB FILE ID: RRF5: T28780 RRF20: T28782 RRF50: T28778
RRF80: T28781 RRF120: T28779

COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.175	0.198	0.183	0.152	0.139
Atrazine	0.250	0.218	0.183	0.167	0.152
n-decane	2.018	1.831	1.625	1.611	1.444
Coumarin	0.390	0.362	0.328	0.317	0.310
n-Octadecane	0.880	0.734	0.553	0.518	0.417
o-Tricresylphosphate	0.378	0.368	0.313	0.303	0.270
Carbamazepine	0.564	0.725	0.647	0.657	0.608
1-Methylnaphthalene	0.818	0.743	0.674	0.616	0.575
2-Fluorophenol (SUR)	1.532	1.256	1.799	1.773	1.683
Phenol-d5 (SUR)	2.216	1.678	2.192	2.137	2.036
2,4,6-Tribromophenol (SUR)	0.110	0.097	0.161	0.151	0.162
Nitrobenzene-d5 (SUR)	0.360	0.356	0.327	0.319	0.294
2-Fluorobiphenyl (SUR)	1.455	1.276	1.160	1.042	0.984
Terphenyl-d14 (SUR)	0.910	0.885	0.769	0.747	0.687

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

RRF10: T28783

COMPOUND	RRF10
Phenol	2.267
2-Chlorophenol	1.712
2-Methylphenol	1.642
4-Methylphenol	1.813
2-Nitrophenol	0.225
2,4-Dimethylphenol	0.423
2,4-Dichlorophenol	0.312
4-Chloro-3-methylphenol	0.356
2,4,6-Trichlorophenol	0.347
2,4,5-Trichlorophenol	0.387
2,4-Dinitrophenol	0.204
4-Nitrophenol	0.252
4,6-Dinitro-2-methylphenol	0.194
Pentachlorophenol	0.132
Benzoic Acid	0.253
N-Nitrosodimethylamine	1.382
bis(2-Chloroethyl)ether	1.952
1,3-Dichlorobenzene	1.773
1,4-Dichlorobenzene	1.588
1,2-Dichlorobenzene	1.718
bis(2-chloroisopropyl)ether	3.480
N-Nitroso-di-n-propylamine	1.124
Hexachloroethane	0.656
Nitrobenzene	0.429
Isophorone	0.816
bis(2-Chloroethoxy)methane	0.551
1,2,4-Trichlorobenzene	0.305
Naphthalene	1.110
4-Chloroaniline	0.530
Hexachlorobutadiene	0.114
2-Methylnaphthalene	0.875
Hexachlorocyclopentadiene	0.110
2-Chloronaphthalene	1.226
2-Nitroaniline	0.399
Dimethylphthalate	1.673
Acenaphthylene	2.165
2,6-Dinitrotoluene	0.384
3-Nitroaniline	0.560
Acenaphthene	1.165

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

RRF10: T28783

COMPOUND	RRF10
Dibenzofuran	1.891
2,4-Dinitrotoluene	0.508
Diethylphthalate	1.836
4-Chlorophenyl-phenylether	0.651
Fluorene	1.544
4-Nitroaniline	0.563
N-Nitrosodiphenylamine	0.733
4-Bromophenyl-phenylether	0.214
Hexachlorobenzene	0.202
Phenanthrene	1.246
Anthracene	1.341
Carbazole	1.539
Di-n-butylphthalate	2.297
Fluoranthene	1.550
Pyrene	1.694
Benzidine	0.769
Butylbenzylphthalate	1.206
3,3'-Dichlorobenzidine	0.491
Benzo(a)anthracene	1.322
Chrysene	1.194
bis(2-Ethylhexyl)phthalate	1.525
Di-n-octylphthalate	3.495
Benzo(b)fluoranthene	1.613
Benzo(k)fluoranthene	1.542
Benzo(a)pyrene	1.460
Indeno(1,2,3-cd)pyrene	1.392
Dibenz(a,h)anthracene	1.132
Benzo(g,h,i)perylene	1.203
Pyridine	1.970
Aniline	2.548
Benzyl Alcohol	1.234
1,2-Diphenylhydrazine	1.105
Diphenyl	1.683
Diphenyl Ether	0.875
Acetophenone	2.273
1,4-Dioxane	0.802
N,N-Dimethylaniline	2.543
2,3,7,8-TCDD (Screen)	
Benzaldehyde	1.182

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

RRF10: T28783

COMPOUND	RRF10
Caprolactam	0.200
Atrazine	0.239
n-decane	1.901
Coumarin	0.376
n-Octadecane	0.805
o-Tricresylphosphate	0.375
Carbamazepine	0.667
1-Methylnaphthalene	0.769
2-Fluorophenol (SUR)	1.655
Phenol-d5 (SUR)	2.268
2,4,6-Tribromophenol (SUR)	0.124
Nitrobenzene-d5 (SUR)	0.345
2-Fluorobiphenyl (SUR)	1.335
Terphenyl-d14 (SUR)	0.876

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Phenol	AVRG		2.05989824		10.8*
2-Chlorophenol	AVRG		1.65922074		6.0*
2-Methylphenol	AVRG		1.55873176		5.3*
4-Methylphenol	AVRG		1.72083904		5.8*
2-Nitrophenol	AVRG		0.21138995		7.4*
2,4-Dimethylphenol	2ORDR	0.00000000	2.36027156	1.25158616	0.999*
2,4-Dichlorophenol	AVRG		0.29570003		5.6*
4-Chloro-3-methylphenol	AVRG		0.31886874		12.2*
2,4,6-Trichlorophenol	AVRG		0.34520681		11.7*
2,4,5-Trichlorophenol	AVRG		0.39914136		6.0*
2,4-Dinitrophenol	AVRG		0.23176553		14.0**
4-Nitrophenol	AVRG		0.24336284		3.6**
4,6-Dinitro-2-methylphenol	AVRG		0.18113470		8.8*
Pentachlorophenol	AVRG		0.13356305		5.8*
Benzoic Acid	LINR	0.00000000	3.38293021		0.999*
N-Nitrosodimethylamine	AVRG		1.28416694		9.3*
bis(2-Chloroethyl)ether	LINR	0.00000000	0.62873199		0.995*
1,3-Dichlorobenzene	AVRG		1.69757262		8.3*
1,4-Dichlorobenzene	AVRG		1.54529764		5.8*
1,2-Dichlorobenzene	AVRG		1.62807049		7.6*
bis(2-chloroisopropyl)ether	AVRG		3.21401786		9.4*
N-Nitroso-di-n-propylamine	AVRG		1.06048179		7.8**
Hexachloroethane	AVRG		0.66179202		7.6*
Nitrobenzene	2ORDR	0.00000000	2.38369850	1.24404946	1.000*
Isophorone	AVRG		0.76753406		9.9*
bis(2-Chloroethoxy)methane	AVRG		0.48462424		14.3*
1,2,4-Trichlorobenzene	AVRG		0.29053951		8.5*
Naphthalene	AVRG		1.00151530		11.2*
4-Chloroaniline	AVRG		0.49688936		8.6*
Hexachlorobutadiene	AVRG		0.11563051		3.2*
2-Methylnaphthalene	2ORDR	0.00000000	1.06182973	0.34949689	1.000*
Hexachlorocyclopentadiene	LINR	0.00000000	5.58095392		0.994**
2-Chloronaphthalene	AVRG		1.11401275		13.7*
2-Nitroaniline	AVRG		0.36432121		9.1*
Dimethylphthalate	AVRG		1.50725617		12.9*
Acenaphthylene	2ORDR	0.00000000	0.47438173	0.03912643	1.000*
2,6-Dinitrotoluene	AVRG		0.37221510		5.1*
3-Nitroaniline	AVRG		0.52342380		6.1*
Acenaphthene	AVRG		1.06764522		10.9*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dibenzofuran	AVRG		1.72244428		11.9*
2,4-Dinitrotoluene	AVRG		0.48722379		6.6*
Diethylphthalate	AVRG		1.59661087		13.6*
4-Chlorophenyl-phenylether	AVRG		0.61215969		10.2*
Fluorene	AVRG		1.37829769		14.9*
4-Nitroaniline	AVRG		0.53504562		5.2*
N-Nitrosodiphenylamine	2ORDR	0.00000000	1.22465525	0.64489133	0.998*
4-Bromophenyl-phenylether	AVRG		0.19421138		8.7*
Hexachlorobenzene	AVRG		0.19655503		11.8*
Phenanthrene	AVRG		1.10431697		13.7*
Anthracene	2ORDR	0.00000000	0.72271142	0.14504231	1.000*
Carbazole	2ORDR	0.00000000	0.66260284	0.10817816	0.999*
Di-n-butylphthalate	2ORDR	0.00000000	0.38789478	0.08903415	0.999*
Fluoranthene	2ORDR	0.00000000	0.62294398	0.12282338	1.000*
Pyrene	2ORDR	0.00000000	0.58753548	0.07189270	1.000*
Benzidine	AVRG		0.48391619		39.6*
Butylbenzylphthalate	2ORDR	0.00000000	0.79080274	0.21221032	0.999*
3,3'-Dichlorobenzidine	2ORDR	0.00000000	1.33792321	2.43853956	0.992*
Benzo(a)anthracene	AVRG		1.23059879		12.5*
Chrysene	AVRG		1.12188221		6.4*
bis(2-Ethylhexyl)phthalate	2ORDR	0.00000000	0.66557760	0.14428772	0.999*
Di-n-octylphthalate	2ORDR	0.00000000	0.30343788	0.01752198	0.999*
Benzo(b)fluoranthene	AVRG		1.60478979		4.6*
Benzo(k)fluoranthene	2ORDR	0.00000000	0.63714590	0.09283926	0.999*
Benzo(a)pyrene	AVRG		1.37352894		7.6*
Indeno(1,2,3-cd)pyrene	AVRG		1.25301474		10.7*
Dibenz(a,h)anthracene	AVRG		1.00846057		9.1*
Benzo(g,h,i)perylene	AVRG		1.08352417		12.4*
Pyridine	AVRG		1.93263329		4.1*
Aniline	AVRG		2.44882942		11.7*
Benzyl Alcohol	AVRG		1.22668608		3.1*
1,2-Diphenylhydrazine	2ORDR	0.00000000	1.03830904	0.15859126	0.999*
Diphenyl	AVRG		1.47882030		14.6*
Diphenyl Ether	AVRG		0.79532594		11.2*
Acetophenone	AVRG		2.09612189		8.9**
1,4-Dioxane	AVRG		0.81645723		2.3**
N,N-Dimethylaniline	2ORDR	0.00000000	0.34656329	0.04817571	1.000**
2,3,7,8-TCDD (Screen)	AVRG		0.13365548		0.0**
Benzaldehyde	LINR	0.00000000	1.50868688		0.879*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8270C

Instrument ID: BNAMS3

Calibration Date(s): 10/13/06 10/14/06

Calibration Time(s): 2348 0309

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Caprolactam	AVRG		0.17448416		14.1*
Atrazine	2ORDR	0.00000000	4.17728038	5.36648046	1.000*
n-decane	AVRG		1.73823029		12.3*
Coumarin	AVRG		0.34721788		9.5*
n-Octadecane	2ORDR	0.00000000	0.93028262	1.11559099	0.994*
o-Tricresylphosphate	AVRG		0.33466889		13.6*
Carbamazepine	AVRG		0.64476195		8.5*
1-Methylnaphthalene	AVRG		0.69921423		13.4*
2-Fluorophenol (SUR)	AVRG		1.61645187		12.4*
Phenol-d5 (SUR)	AVRG		2.08775916		10.3*
2,4,6-Tribromophenol (SUR)	LINR	0.00000000	6.33024889		0.991*
Nitrobenzene-d5 (SUR)	AVRG		0.33366590		7.5*
2-Fluorobiphenyl (SUR)	AVRG		1.20864099		14.9*
Terphenyl-d14 (SUR)	AVRG		0.81230845		11.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y485

Instrument ID: BNAMS3 Calibration Date: 10/19/06 Time: 2312

Lab File ID: T28855 Init. Calib. Date(s): 10/13/06 10/14/06

Init. Calib. Times: 2348 0309

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	2.0600000	1.7935843	1.7935843		12.93	20.00	AVRG
2-Chlorophenol	1.6590000	1.5141560	1.5141560		8.73	20.00	AVRG
2-Methylphenol	1.5590000	1.3903425	1.3903425		10.82	20.00	AVRG
4-Methylphenol	1.7210000	1.5124468	1.5124468		12.12	20.00	AVRG
2-Nitrophenol	0.2110000	0.2204536	0.2204536		-4.48	20.00	AVRG
2,4-Dimethylphenol	45.771627	50.000000	0.3199829		8.46		2RDR
2,4-Dichlorophenol	0.2960000	0.2839870	0.2839870		4.06	20.00	AVRG
4-Chloro-3-methylphenol	0.3190000	0.2873971	0.2873971		9.91	20.00	AVRG
2,4,6-Trichlorophenol	0.3450000	0.3725710	0.3725710		-7.99	20.00	AVRG
2,4,5-Trichlorophenol	0.3990000	0.3952727	0.3952727		0.93	20.00	AVRG
2,4-Dinitrophenol	0.2320000	0.2170769	0.2170769	0.05	6.43	20.00	AVRG
4-Nitrophenol	0.2430000	0.2201480	0.2201480	0.05	9.40	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1810000	0.1746529	0.1746529		3.51	20.00	AVRG
Pentachlorophenol	0.1340000	0.1389312	0.1389312		-3.68	20.00	AVRG
Benzoic Acid	39.012084	50.000000	0.2306408		21.98		LINR
N-Nitrosodimethylamine	1.2840000	1.1718477	1.1718477		8.73	20.00	AVRG
bis(2-Chloroethyl)ether	50.249234	50.000000	1.5984310		-0.50		LINR
1,3-Dichlorobenzene	1.6980000	1.6639746	1.6639746		2.00	20.00	AVRG
1,4-Dichlorobenzene	1.5450000	1.5483405	1.5483405		-0.22	20.00	AVRG
1,2-Dichlorobenzene	1.6280000	1.6121991	1.6121991		0.97	20.00	AVRG
bis(2-chloroisopropyl)ether	3.2140000	3.0727545	3.0727545		4.39	20.00	AVRG
N-Nitroso-di-n-propylamine	1.0600000	0.9119325	0.9119325	0.05	13.97	20.00	AVRG
Hexachloroethane	0.6620000	0.6311536	0.6311536		4.66	20.00	AVRG
Nitrobenzene	48.062972	50.000000	0.3315510		3.87		2RDR
Isophorone	0.7670000	0.6646994	0.6646994		13.34	20.00	AVRG
bis(2-Chloroethoxy)methane	0.4840000	0.4415500	0.4415500		8.77	20.00	AVRG
1,2,4-Trichlorobenzene	0.2900000	0.2922378	0.2922378		-0.77	20.00	AVRG
Naphthalene	1.0020000	0.9542187	0.9542187		4.77	20.00	AVRG
4-Chloroaniline	0.4970000	0.4434487	0.4434487		10.77	20.00	AVRG
Hexachlorobutadiene	0.1160000	0.1305535	0.1305535		-12.55	20.00	AVRG
2-Methylnaphthalene	48.504329	50.000000	0.7075973		2.99		2RDR
Hexachlorocyclopentadiene	47.352967	50.000000	0.1696949	0.05	5.29		LINR
2-Chloronaphthalene	1.1140000	1.0998865	1.0998865		1.27	20.00	AVRG
2-Nitroaniline	0.3640000	0.3398492	0.3398492		6.63	20.00	AVRG
Dimethylphthalate	1.5070000	1.3922078	1.3922078		7.62	20.00	AVRG
Acenaphthylene	50.064999	50.000000	1.7829913		-0.13		2RDR
2,6-Dinitrotoluene	0.3720000	0.3607349	0.3607349		3.03	20.00	AVRG
3-Nitroaniline	0.5230000	0.4686517	0.4686517		10.39	20.00	AVRG
Acenaphthene	1.0680000	1.0127722	1.0127722		5.17	20.00	AVRG
Dibenzofuran	1.7220000	1.6287379	1.6287379		5.42	20.00	AVRG
2,4-Dinitrotoluene	0.4870000	0.4663438	0.4663438		4.24	20.00	AVRG
Diethylphthalate	1.5970000	1.4533034	1.4533034		9.00	20.00	AVRG

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y485

Instrument ID: BNAMS3 Calibration Date: 10/19/06 Time: 2312

Lab File ID: T28855 Init. Calib. Date(s): 10/13/06 10/14/06

Init. Calib. Times: 2348 0309

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4-Chlorophenyl-phenylether	0.6120000	0.6011741	0.6011741		1.77	20.00	AVRG	
Fluorene	1.3780000	1.2565841	1.2565841		8.81	20.00	AVRG	
4-Nitroaniline	0.5350000	0.4477455	0.4477455		16.31	20.00	AVRG	
N-Nitrosodiphenylamine	47.679243	50.000000	0.5670227		4.64		2RDR	
4-Bromophenyl-phenylether	0.1940000	0.2059503	0.2059503		-6.16	20.00	AVRG	
Hexachlorobenzene	0.1960000	0.2093545	0.2093545		-6.81	20.00	AVRG	
Phenanthrene	1.1040000	1.0511286	1.0511286		4.79	20.00	AVRG	
Anthracene	48.852600	50.000000	1.0665562		2.29		2RDR	
Carbazole	44.427314	50.000000	1.0958977		11.14		2RDR	
Di-n-butylphthalate	45.202153	50.000000	1.5979862		9.60		2RDR	
Fluoranthene	48.444212	50.000000	1.2002717		3.11		2RDR	
Pyrene	46.881257	50.000000	1.3266588		6.24		2RDR	
Benzidine	0.4840000	0.2111776	0.2111776		56.37	20.00	AVRG	<-
Butylbenzylphthalate	43.017905	50.000000	0.8471985		13.96		2RDR	
3,3'-Dichlorobenzidine	48.569608	50.000000	0.3862134		2.86		2RDR	
Benzo(a)anthracene	1.2300000	1.1283438	1.1283438		8.26	20.00	AVRG	
Chrysene	1.1220000	1.0851275	1.0851275		3.29	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	42.055728	50.000000	0.9952970		15.89		2RDR	
Di-n-octylphthalate	42.613342	50.000000	2.3947550		14.77		2RDR	
Benzo(b)fluoranthene	1.6050000	1.4645402	1.4645402		8.75	20.00	AVRG	
Benzo(k)fluoranthene	50.653992	50.000000	1.2879113		-1.31		2RDR	
Benzo(a)pyrene	1.3730000	1.2954038	1.2954038		5.65	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	1.2530000	1.3202260	1.3202260		-5.36	20.00	AVRG	
Dibenz(a,h)anthracene	1.0080000	1.0602998	1.0602998		-5.19	20.00	AVRG	
Benzo(g,h,i)perylene	1.0830000	1.1828759	1.1828759		-9.22	20.00	AVRG	
Pyridine	1.9330000	1.8699117	1.8699117		3.26	20.00	AVRG	
Aniline	2.4480000	1.9591013	1.9591013		19.97	20.00	AVRG	
Benzyl Alcohol	1.2270000	1.1128310	1.1128310		9.30	20.00	AVRG	
1,2-Diphenylhydrazine	46.628270	50.000000	0.7815400		6.74		2RDR	
Diphenyl	1.4790000	1.3907910	1.3907910		5.96	20.00	AVRG	
Diphenyl Ether	0.7950000	0.7823941	0.7823941		1.58	20.00	AVRG	
Acetophenone	2.0960000	1.7704128	1.7704128	0.01	15.53	20.00	AVRG	
1,4-Dioxane	0.8160000	0.8366647	0.8366647	0.01	-2.53	20.00	AVRG	
N,N-Dimethylaniline	42.501703	50.000000	1.8548980	0.01	15.00		2RDR	
2,3,7,8-TCDD (Screen)	0.1340000	0.1295483	0.1295483	0.01	3.32	20.00	AVRG	
Benzaldehyde	64.904097	50.000000	0.8604051		-29.81		LINR	
Caprolactam	0.1740000	0.1569115	0.1569115		9.82	20.00	AVRG	
Atrazine	41.157556	50.000000	0.1573134		17.68		2RDR	
n-decane	1.7380000	1.7372366	1.7372366		0.04	20.00	AVRG	
Coumarin	0.3470000	0.3044335	0.3044335		12.27	20.00	AVRG	
n-Octadecane	46.650026	50.000000	0.5498020		6.70		2RDR	
o-Tricresylphosphate	0.3340000	0.2870751	0.2870751		14.05	20.00	AVRG	

FORM 7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: Y485

Instrument ID: BNAMS3 Calibration Date: 10/19/06 Time: 2312

Lab File ID: T28855 Init. Calib. Date(s): 10/13/06 10/14/06

Init. Calib. Times: 2348 0309

GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Carbamazepine	0.6450000	0.5074891	0.5074891		21.32	20.00	AVRG	<-
1-Methylnaphthalene	0.6990000	0.6468910	0.6468910		7.45	20.00	AVRG	
2-Fluorophenol (SUR)	1.6160000	1.7252801	1.7252801		-6.76	20.00	AVRG	
Phenol-d5 (SUR)	2.0880000	1.9619186	1.9619186		6.04	20.00	AVRG	
2,4,6-Tribromophenol (SUR)	54.653604	50.000000	0.1726744		-9.31		LINR	
Nitrobenzene-d5 (SUR)	0.3340000	0.3216431	0.3216431		3.70	20.00	AVRG	
2-Fluorobiphenyl (SUR)	1.2090000	1.1748114	1.1748114		2.83	20.00	AVRG	
Terphenyl-d14 (SUR)	0.8120000	0.7668666	0.7668666		5.56	20.00	AVRG	

Average %D/%Drift test result.

Calculate Average %D/%Drift: 8.111972809
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY
METHOD 8270C

Matrix: WATER Level: LOW Lab Job No: Y485

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	WB291A	45	29	77	89	88	88	0
02	778388				72	71	38*	1
03	778388R1				74	69	34*	1
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
S1	= 2-Fluorophenol	(17- 71)
S2	= Phenol-d5	(12- 46)
S3	= 2,4,6-Tribromophenol	(53-120)
S4	= Nitrobenzene-d5	(64-122)
S5	= 2-Fluorobiphenyl	(60-106)
S6	= Terphenyl-d14	(63-129)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8270C

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 778426

MS Sample from Lab Job No: Y444

QA Batch: 4309

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	200	0.00	58	29	10-54
2-Chlorophenol	200	0.00	150	75	57-101
4-Chloro-3-methylphenol	200	0.00	140	70	55-121
4-Nitrophenol	200	0.00	55	28	0-67
Pentachlorophenol	200	0.00	170	85	72-127
1,4-Dichlorobenzene	100	0.00	84	84	38-103
N-Nitroso-di-n-propylami	100	0.00	84	84	64-115
1,2,4-Trichlorobenzene	100	0.00	86	86	45-108
Acenaphthene	100	0.00	88	88	65-109
2,4-Dinitrotoluene	100	0.00	92	92	68-120
Pyrene	100	0.00	100	100	71-125

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	200	57	28	2	40	10-54
2-Chlorophenol	200	160	80	6	40	57-101
4-Chloro-3-methylphenol	200	140	70	0	40	55-121
4-Nitrophenol	200	58	29	5	40	0-67
Pentachlorophenol	200	180	90	6	40	72-127
1,4-Dichlorobenzene	100	87	87	4	40	38-103
N-Nitroso-di-n-propylami	100	87	87	4	40	64-115
1,2,4-Trichlorobenzene	100	90	90	5	40	45-108
Acenaphthene	100	94	94	7	40	65-109
2,4-Dinitrotoluene	100	97	97	5	40	68-120
Pyrene	100	110	110	10	40	71-125

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): T28855 Date Analyzed: 10/19/06

Instrument ID: BNAMS3 Time Analyzed: 2312

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
	12 HOUR STD	296743	7.33	1274543	9.13	1002252	17.92
	UPPER LIMIT	593486	7.83	2549086	9.63	2004504	18.42
	LOWER LIMIT	148372	6.83	637272	8.63	501126	17.42
	LABORATORY SAMPLE NO.						
01	WB291A	305730	7.34	1254254	9.13	945743	17.90
02	778388	339665	7.34	1279681	9.13	944325	17.91
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): T28855 Date Analyzed: 10/19/06

Instrument ID: BNAMS3 Time Analyzed: 2312

		IS4 (ANT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	663459		11.70		1090877		13.85		869253		21.48	
	UPPER LIMIT	1326918		12.20		2181754		14.35		1738506		21.98	
	LOWER LIMIT	331730		11.20		545438		13.35		434626		20.98	
	LABORATORY SAMPLE NO.												
01	WB291A	656500		11.70		996338		13.84		780295		21.47	
02	778388	652969		11.70		988702		13.84		820035		21.47	
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): T28876 Date Analyzed: 10/20/06

Instrument ID: BNAMS3 Time Analyzed: 1635

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(CRY) AREA #	RT #
	12 HOUR STD	284496	7.29	1247696	9.09	1123526	17.85
	UPPER LIMIT	568992	7.79	2495392	9.59	2247052	18.35
	LOWER LIMIT	142248	6.79	623848	8.59	561763	17.35
	LABORATORY SAMPLE NO.						
01	778388R1	245010	7.27	1031678	9.06	800014	17.82
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): T28876 Date Analyzed: 10/20/06

Instrument ID: BNAMS3 Time Analyzed: 1635

		IS4(ANT) AREA #	RT #	IS5(PHN) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	685307	11.65	1158540	13.79	948606	21.36
	UPPER LIMIT	1370614	12.15	2317080	14.29	1897212	21.86
	LOWER LIMIT	342654	11.15	579270	13.29	474303	20.86
	LABORATORY SAMPLE NO.						
01	778388R1	519528	11.63	794727	13.77	662524	21.31
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Metals Forms and Data

Analytical Results Summary

Client ID: **MW01-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778385
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	66.4	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	5.7	2.8	B	P
Copper	8.2	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	20.6	3.9	B	P
Selenium	4.9	4.8	B	P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	15.4	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW02-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778386
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	261	1.3		P
Beryllium	0.24	0.10	B	P
Cadmium	ND	0.50		P
Chromium	33.9	2.8		P
Copper	22.2	3.1	B	P
Lead	18.5	2.2		P
Mercury	ND	0.10		CV
Nickel	70.3	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	34.6	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW03-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778387
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	5.0	4.5	B	P
Barium	72.2	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	21.3	2.8		P
Copper	15.2	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	330	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	19.7	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW04-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778388
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	91.5	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	3.2	2.8	B	P
Copper	5.8	3.1	B	P
Lead	2.9	2.2	B	P
Mercury	ND	0.10		CV
Nickel	91.9	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	9.9	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778389
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	17.7	4.5		P
Barium	239	1.3		P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	5.2	2.8	B	P
Copper	9.7	3.1	B	P
Lead	20.6	2.2		P
Mercury	ND	0.10		CV
Nickel	32.5	3.9	B	P
Selenium	6.5	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	24.1	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW05D-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778390
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	623	1.3		P
Beryllium	0.57	0.10	B	P
Cadmium	ND	0.50		P
Chromium	15.5	2.8		P
Copper	33.8	3.1		P
Lead	12.6	2.2		P
Mercury	ND	0.10		CV
Nickel	41.7	3.9		P
Selenium	5.4	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	34.7	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW06-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778391
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	164	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	4.9	2.8	B	P
Copper	5.6	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	98.5	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	10.0	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW07-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778392
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	173	1.3	B	P
Beryllium	0.23	0.10	B	P
Cadmium	ND	0.50		P
Chromium	14.9	2.8		P
Copper	12.7	3.1	B	P
Lead	4.8	2.2		P
Mercury	ND	0.10		CV
Nickel	84.1	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	23.2	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **FB-061017**
Site: **Sun Chemical SI**

Lab Sample No: 778393
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	ND	1.3		P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	ND	2.8		P
Copper	ND	3.1		P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	ND	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	ND	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **MW03-061017D**
Site: **Sun Chemical SI**

Lab Sample No: 778395
Lab Job No: Y485

Date Sampled: 10/17/06
Date Received: 10/17/06

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Antimony	ND	4.9		P
Arsenic	ND	4.5		P
Barium	73.4	1.3	B	P
Beryllium	ND	0.10		P
Cadmium	ND	0.50		P
Chromium	22.2	2.8		P
Copper	14.3	3.1	B	P
Lead	ND	2.2		P
Mercury	ND	0.10		CV
Nickel	319	3.9		P
Selenium	ND	4.8		P
Silver	ND	1.2		P
Thallium	ND	4.8		P
Zinc	19.7	5.8	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: _Y485 Batch No.: 21516_

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	77.4	U	77.4	U	77.4	U	77.4	U	77.400	U	P
Antimony	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P
Arsenic	4.5	U	4.5	U	4.5	U	4.5	U	4.500	U	P
Barium	1.3	U	1.3	U	1.3	U	1.3	U	1.300	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	P
Cadmium	0.5	B	0.5	U	0.5	U	0.5	U	0.500	U	P
Calcium	74.5	U	74.5	U	74.5	U	74.5	U	74.500	U	P
Chromium	2.8	U	2.8	U	2.8	U	2.8	U	2.800	U	P
Cobalt	3.5	U	3.5	U	3.5	U	3.5	U	3.500	U	P
Copper	3.1	U	3.1	U	3.1	U	3.1	U	-3.504	B	P
Iron	39.7	U	39.7	U	39.7	U	39.7	U	39.700	U	P
Lead	2.2	U	2.2	U	2.2	U	2.2	U	2.200	U	P
Magnesium	70.0	U	70.0	U	70.0	U	70.0	U	70.000	U	P
Manganese	2.9	U	2.9	U	2.9	U	2.9	U	2.900	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U	3.900	U	P
Potassium	129.8	U	129.8	U	129.8	U	129.8	U	129.800	U	P
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	4.800	U	P
Silver	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Sodium	361.0	U	361.0	U	361.0	U	361.0	U	361.000	U	P
Thallium	4.8	U	4.8	U	4.8	U	4.8	U	4.800	U	P
Vanadium	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	5.800	U	P
Boron											NR

BLANKS

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: _Y485 _____ Batch No.: 21516_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	4.9	U	4.9	U	4.9	U	4.9	U			P
Arsenic	4.5	U	4.5	U	4.5	U	4.5	U			P
Barium	1.3	U	1.3	U	1.3	U	1.3	U			P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U			P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U			P
Calcium											NR
Chromium	2.8	U	2.8	U	2.8	U	2.8	U			P
Cobalt	3.5	U	3.5	U	3.5	U	3.5	U			P
Copper	3.1	U	3.1	U	3.1	U	3.1	U			P
Iron											NR
Lead	2.2	U	2.2	U	2.2	U	2.2	U			P
Magnesium											NR
Manganese	2.9	U	2.9	U	2.9	U	2.9	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U			P
Potassium											NR
Selenium	4.8	U	4.8	U	4.8	U	4.8	U			P
Silver	1.2	U	1.2	U	1.2	U	1.2	U			P
Sodium											NR
Thallium	4.8	U	4.8	U	-6.0	B	4.8	U			P
Vanadium	1.5	U	1.5	U	1.5	U	1.5	U			P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Boron											NR

BLANKS

Lab Name: STL_EDISON_____

Lab Code: 12028_ Lab Job No.: _Y485 _____ Batch No.: 21516_

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium	1.8	U	1.8	U					1.780	U	F
Vanadium											NR
Zinc											NR
Boron											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum	125000.0	126750.4	101.4	125000.0	124713.4	99.8	126092.0	100.9	P
Antimony	1000.0	996.52	99.7	1000.0	970.13	97.0	986.31	98.6	P
Arsenic	5000.0	4965.85	99.3	5000.0	4854.20	97.1	4907.45	98.1	P
Barium	10000.0	10227.38	102.3	10000.0	10049.56	100.5	10193.03	101.9	P
Beryllium	1000.0	994.12	99.4	1000.0	978.60	97.9	982.34	98.2	P
Cadmium	2500.0	2462.79	98.5	2500.0	2429.76	97.2	2429.97	97.2	P
Calcium	125000.0	121061.2	96.8	125000.0	118885.5	95.1	119399.4	95.5	P
Chromium	5000.0	4968.11	99.4	5000.0	4898.97	98.0	4910.96	98.2	P
Cobalt	2500.0	2493.55	99.7	2500.0	2438.91	97.6	2444.00	97.8	P
Copper	12500.0	12683.39	101.5	12500.0	12528.00	100.2	12638.02	101.1	P
Iron	100000.0	98968.03	99.0	100000.0	97344.94	97.3	97877.77	97.9	P
Lead	10000.0	9892.64	98.9	10000.0	9792.81	97.9	9834.99	98.3	P
Magnesium	125000.0	126396.6	101.1	125000.0	124292.0	99.4	125038.5	100.0	P
Manganese	5000.0	4961.78	99.2	5000.0	4870.22	97.4	4870.30	97.4	P
Mercury	5.0	5.11	102.2	5.0	5.10	102.0	5.07	101.4	CV
Nickel	2500.0	2486.97	99.5	2500.0	2445.08	97.8	2455.00	98.2	P
Potassium	50000.0	50693.95	101.4	50000.0	49644.07	99.3	50822.44	101.6	P
Selenium	5000.0	4971.69	99.4	5000.0	4879.22	97.6	4927.93	98.6	P
Silver	1250.0	1268.43	101.5	1250.0	1249.39	100.0	1262.53	101.0	P
Sodium	125000.0	126429.9	101.1	125000.0	124376.6	99.5	126132.1	100.9	P
Thallium	5000.0	5000.55	100.0	5000.0	4939.94	98.8	4954.34	99.1	P
Vanadium	2500.0	2503.92	100.2	2500.0	2480.03	99.2	2472.36	98.9	P
Zinc	2500.0	2462.11	98.5	2500.0	2404.37	96.2	2394.53	95.8	P
Boron									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	124441.9	99.6			P
Antimony				1000.0	964.41	96.4			P
Arsenic				5000.0	4757.82	95.2			P
Barium				10000.0	10042.95	100.4			P
Beryllium				1000.0	951.99	95.2			P
Cadmium				2500.0	2344.21	93.8			P
Calcium				125000.0	115925.7	92.7			P
Chromium				5000.0	4791.17	95.8			P
Cobalt				2500.0	2389.96	95.6			P
Copper				12500.0	12470.04	99.8			P
Iron				100000.0	95172.03	95.2			P
Lead				10000.0	9601.39	96.0			P
Magnesium				125000.0	122866.9	98.3			P
Manganese				5000.0	4788.85	95.8			P
Mercury				5.0	5.21	104.2	4.98	99.6	CV
Nickel				2500.0	2375.75	95.0			P
Potassium				50000.0	50654.20	101.3			P
Selenium				5000.0	4829.17	96.6			P
Silver				1250.0	1242.38	99.4			P
Sodium				125000.0	124949.2	100.0			P
Thallium				5000.0	4829.69	96.6			P
Vanadium				2500.0	2420.80	96.8			P
Zinc				2500.0	2320.72	92.8			P
Boron									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	1001.39	100.1	1000.0	1010.23	101.0	1003.61	100.4	P
Arsenic	5000.0	5017.34	100.3	5000.0	5089.17	101.8	5020.44	100.4	P
Barium	10000.0	10079.78	100.8	10000.0	10230.15	102.3	10083.26	100.8	P
Beryllium	1000.0	986.62	98.7	1000.0	1001.71	100.2	988.05	98.8	P
Cadmium	2500.0	2480.61	99.2	2500.0	2512.74	100.5	2483.23	99.3	P
Calcium									NR
Chromium	5000.0	4982.81	99.7	5000.0	5047.06	100.9	4968.80	99.4	P
Cobalt	2500.0	2502.88	100.1	2500.0	2527.78	101.1	2487.02	99.5	P
Copper	12500.0	12504.83	100.0	12500.0	12706.23	101.6	12508.61	100.1	P
Iron									NR
Lead	10000.0	10000.48	100.0	10000.0	10109.41	101.1	9996.62	100.0	P
Magnesium									NR
Manganese	5000.0	4956.17	99.1	5000.0	5014.78	100.3	4929.90	98.6	P
Mercury				5.0	5.11	102.2	5.14	102.8	CV
Nickel	2500.0	2501.40	100.1	2500.0	2535.06	101.4	2501.87	100.1	P
Potassium									NR
Selenium	5000.0	5089.26	101.8	5000.0	5159.05	103.2	5098.45	102.0	P
Silver	1250.0	1262.56	101.0	1250.0	1280.17	102.4	1260.89	100.9	P
Sodium									NR
Thallium	5000.0	5016.98	100.3	5000.0	5107.98	102.2	5045.18	100.9	P
Vanadium	2500.0	2504.11	100.2	2500.0	2544.13	101.8	2494.94	99.8	P
Zinc	2500.0	2495.51	99.8	2500.0	2515.86	100.6	2478.98	99.2	P
Boron									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: Y485 Batch No.: 21516_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	1012.24	101.2			P
Arsenic				5000.0	5045.07	100.9			P
Barium				10000.0	10242.83	102.4			P
Beryllium				1000.0	986.60	98.7			P
Cadmium				2500.0	2475.38	99.0			P
Calcium									NR
Chromium				5000.0	4965.28	99.3			P
Cobalt				2500.0	2488.28	99.5			P
Copper				12500.0	12697.63	101.6			P
Iron									NR
Lead				10000.0	10027.08	100.3			P
Magnesium									NR
Manganese				5000.0	4933.10	98.7			P
Mercury									NR
Nickel				2500.0	2502.50	100.1			P
Potassium									NR
Selenium				5000.0	5143.22	102.9			P
Silver				1250.0	1274.32	101.9			P
Sodium									NR
Thallium				5000.0	5060.79	101.2			P
Vanadium				2500.0	2493.45	99.7			P
Zinc				2500.0	2445.02	97.8			P
Boron									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON_____ _____

Lab Code: 12028_ Lab Job No.: Y485 _____ Batch No.: 21516_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium	30.0	31.49	105.0	30.0	30.23	100.8			F
Vanadium									NR
Zinc									NR
Boron									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _Y485 Batch No.: 21516_

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	483359	485098.1	97.0	490164	517962.0	103.6
Antimony		100		100.4	100.4		90.8	90.8
Arsenic		100		102.4	102.4		95.1	95.1
Barium		100		106.5	106.5		113.8	113.8
Beryllium		100		97.0	97.0		103.2	103.2
Cadmium		100		93.5	93.5		99.8	99.8
Calcium	500000	500000	455159	459140.0	91.8	464584	489218.1	97.8
Chromium		100		97.5	97.5		104.3	104.3
Cobalt		100		93.6	93.6		99.4	99.4
Copper		100		106.0	106.0		112.7	112.7
Iron	200000	200000	191164	193045.6	96.5	194378	205449.1	102.7
Lead		100		99.6	99.6		107.4	107.4
Magnesium	500000	500000	519561	522113.9	104.4	522872	552783.2	110.6
Manganese		100		95.2	95.2		102.6	102.6
Mercury								
Nickel		100		98.5	98.5		104.2	104.2
Potassium		10000		10353.9	103.5		11057.8	110.6
Selenium		100		98.7	98.7		107.2	107.2
Silver		100		103.9	103.9		109.7	109.7
Sodium		10000		10204.6	102.0		10883.9	108.8
Thallium		100		100.7	100.7		108.0	108.0
Vanadium		100		96.3	96.3		103.2	103.2
Zinc		100		94.9	94.9		104.3	104.3

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	525165	493413.3	98.7	497162	490555.5	98.1
Antimony		100		104.5	104.5		104.5	104.5
Arsenic		100		102.4	102.4		100.2	100.2
Barium		100		108.8	108.8		108.0	108.0
Beryllium		100		101.1	101.1		99.8	99.8
Cadmium		100		97.2	97.2		96.1	96.1
Calcium	500000	500000	510784	478867.8	95.8	479619	472063.6	94.4
Chromium		100		99.8	99.8		98.3	98.3
Cobalt		100		97.8	97.8		96.5	96.5
Copper		100		109.0	109.0		108.8	108.8
Iron	200000	200000	215321	201915.8	101.0	202528	199706.9	99.9
Lead		100		100.8	100.8		98.2	98.2
Magnesium	500000	500000	568744	533286.4	106.7	538167	530110.6	106.0
Manganese		100		99.2	99.2		97.6	97.6
Mercury								
Nickel		100		102.1	102.1		101.6	101.6
Potassium		10000		10247.0	102.5		10197.0	102.0
Selenium		100		99.8	99.8		96.8	96.8
Silver		100		105.3	105.3		105.1	105.1
Sodium		10000		10250.7	102.5		10242.4	102.4
Thallium		100		97.5	97.5		91.3	91.3
Vanadium		100		100.3	100.3		99.1	99.1
Zinc		100		101.7	101.7		99.9	99.9

Spike Sample Recovery Summary

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775527MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium	75-125	48.3100		1.7800	U	50.00	96.6		F
Vanadium									NR
Zinc									NR
Boron									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775827MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	1.0300		0.1000	U	1.00	103.0		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Boron									NR

Comments:

SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

775828MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1958.6820		77.4000	U	2000.00	97.9		P
Antimony	75-125	463.1650		4.9000	U	500.00	92.6		P
Arsenic	75-125	1868.5670		4.5000	U	2000.00	93.4		P
Barium	75-125	2008.5260		46.6050	B	2000.00	98.1		P
Beryllium	75-125	47.1240		0.1000	U	50.00	94.2		P
Cadmium	75-125	47.8760		0.5000	U	50.00	95.8		P
Calcium	75-125	51662.4410		33963.5200		20000.00	88.5		P
Chromium	75-125	190.2770		2.8000	U	200.00	95.1		P
Cobalt	75-125	466.4250		3.5000	U	500.00	93.3		P
Copper	75-125	242.1680		3.1000	U	250.00	96.9		P
Iron	75-125	1074.6530		138.1590	B	1000.00	93.6		P
Lead	75-125	470.0900		2.2000	U	500.00	94.0		P
Magnesium	75-125	32733.6680		14136.7230		20000.00	93.0		P
Manganese	75-125	2136.4740		1706.3980		500.00	86.0		P
Mercury									NR
Nickel	75-125	491.5420		18.8120	B	500.00	94.5		P
Potassium	75-125	21981.7950		2839.9990	B	20000.00	95.7		P
Selenium	75-125	1867.2380		4.8000	U	2000.00	93.4		P
Silver	75-125	46.5920		1.2000	U	50.00	93.2		P
Sodium	75-125	55464.5390		37032.1090		20000.00	92.2		P
Thallium	75-125	1900.2770		4.8000	U	2000.00	95.0		P
Vanadium	75-125	479.2960		1.5000	U	500.00	95.9		P
Zinc	75-125	492.0420		44.1100		500.00	89.6		P
Boron									NR

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

775527D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium		1.7800	U	1.7800	U			F
Vanadium								NR
Zinc								NR
Boron								NR

DUPLICATES

LAB SAMPLE NO.

775827D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.1000	U	0.1000	U			CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Boron								NR

DUPLICATES

LAB SAMPLE NO.

775828D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		77.4000	U	77.4000	U			P
Antimony		4.9000	U	4.9000	U			P
Arsenic		4.5000	U	4.5000	U			P
Barium		46.6050	B	46.5110	B	0.2		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.5000	U	0.5000	U			P
Calcium		33963.5200		33455.4300		1.5		P
Chromium		2.8000	U	2.8000	U			P
Cobalt		3.5000	U	3.5000	U			P
Copper		3.1000	U	3.1000	U			P
Iron		138.1590	B	125.6120	B	9.5		P
Lead		2.2000	U	2.2000	U			P
Magnesium	5000.0	14136.7230		13947.5700		1.3		P
Manganese		1706.3980		1682.8640		1.4		P
Mercury								NR
Nickel		18.8120	B	18.3150	B	2.7		P
Potassium		2839.9990	B	2797.6030	B	1.5		P
Selenium		4.8000	U	4.8000	U			P
Silver		1.2000	U	1.2000	U			P
Sodium		37032.1090		36658.7110		1.0		P
Thallium		4.8000	U	4.8000	U			P
Vanadium		1.5000	U	1.5000	U			P
Zinc	30.0	44.1100		47.2130		6.8		P
Boron								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Solid LCS Source:

Aqueous LCS Source: INORG VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	2038.39	101.9						
Antimony	500.0	489.41	97.9						
Arsenic	2000.0	1996.51	99.8						
Barium	2000.0	2093.11	104.7						
Beryllium	50.0	50.68	101.4						
Cadmium	50.0	51.51	103.0						
Calcium	20000.0	19957.64	99.8						
Chromium	200.0	204.73	102.4						
Cobalt	500.0	502.27	100.5						
Copper	250.0	253.67	101.5						
Iron	1000.0	1004.94	100.5						
Lead	500.0	507.68	101.5						
Magnesium	20000.0	19730.06	98.7						
Manganese	500.0	509.39	101.9						
Mercury	1.0	1.00	100.0						
Nickel	500.0	509.51	101.9						
Potassium	20000.0	19676.75	98.4						
Selenium	2000.0	2002.42	100.1						
Silver	50.0	50.01	100.0						
Sodium	20000.0	19971.24	99.9						
Thallium	2000.0	2043.56	102.2						
Vanadium	500.0	517.59	103.5						
Zinc	500.0	498.70	99.7						
Boron									

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: Y485 Batch No.: 21516

Solid LCS Source:

Aqueous LCS Source: INORG VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	50.0	51.49	103.0						
Vanadium									
Zinc									
Boron									

Serial Dilution Summary

LAB SAMPLE NO.

775828L

ICP SERIAL DILUTION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _Y485 Batch No.: 21516_

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	77.40	U	387.00	U			P
Antimony	4.90	U	24.50	U			P
Arsenic	4.50	U	22.50	U			P
Barium	46.60	B	41.29	B	11.4		P
Beryllium	0.10	U	0.50	U			P
Cadmium	0.50	U	2.50	U			P
Calcium	33963.52		31406.36		7.5		P
Chromium	2.80	U	14.00	U			P
Cobalt	3.50	U	17.50	U			P
Copper	3.10	U	15.50	U			P
Iron	138.16	B	198.50	U	100.0		P
Lead	2.20	U	11.00	U			P
Magnesium	14136.72		12888.18	B	8.8		P
Manganese	1706.40		1579.28		7.4		P
Mercury							NR
Nickel	18.81	B	19.50	U	100.0		P
Potassium	2840.00	B	2335.14	B	17.8		P
Selenium	4.80	U	24.00	U			P
Silver	1.20	U	6.00	U			P
Sodium	37032.11		34949.98		5.6		P
Thallium	4.80	U	24.00	U			P
Vanadium	1.50	U	7.50	U			P
Zinc	44.11		42.69	B	3.2		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: PE 5100 FN___ Method: F_

Start Date: 10/19/06 End Date: 10/19/06

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B
S0	1.00	0935																					X			
S2	1.00	0940																					X			
S20	1.00	0945																					X			
S50	1.00	0950																					X			
S80	1.00	0955																					X			
ICV/ACCV	1.00	0959																					X			
ICB/CCB_	1.00	1004																					X			
BW101806	1.00	1009																					X			
W101806A	1.00	1012	98.0																				X			
LCSW	1.00	1017																					X			
LCSWA	1.00	1019	87.8																				X			
775527	1.00	1024																					X			
775527A	1.00	1027	101.1																				X			
775527D	1.00	1032																					X			
775527DA	1.00	1035	102.2																				X			
775527MS	1.00	1040																					X			
775528	1.00	1045																					X			
775528A	1.00	1048	95.8																				X			
775529	1.00	1053																					X			
775529A	1.00	1055	94.4																				X			
CCV	1.00	1100																					X			
CCB	1.00	1105																					X			

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/20/06 End Date: 10/20/06

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B					
2CAL-BLK	1.00	1131		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X					
T2CAL1	1.00	1137		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X					
T2CAL2	1.00	1142		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X					
T2CAL3	1.00	1148		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X					
ZZZZZZ	1.00	1156																														
ICV/CCV	1.00	1202		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
ICB/CCB	1.00	1207		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
ICSA	1.00	1238		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
ICSAB	1.00	1243		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
ZZZZZZ	1.00	1249		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					
ZZZZZZ	1.00	1301		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					
ZZZZZZ	1.00	1307																														
BW101806	1.00	1312		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
LCSW	1.00	1317		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
775828D	1.00	1323		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
775828	1.00	1328			X	X	X	X	X		X	X	X		X		X	_	X		X	X		X	X	X	_					
775828L	1.00	1334		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
CCV	1.00	1339		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
CCB	1.00	1345		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
775828MS	1.00	1350		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
ZZZZZZ	1.00	1356																														
775527	1.00	1401		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_					
775528	1.00	1407		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_					
775529	1.00	1412		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_					
778385	1.00	1418		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_					
778386	1.00	1423		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_					
778387	1.00	1429		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_					
778388	1.00	1434		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_					
778389	1.00	1440			X	X	X	X	X		X		X		X				X		X	X		X		X	_					
CCV	1.00	1445		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
CCB	1.00	1451		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_					
778390	1.00	1456		_	X	X	X	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_					
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_					

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/20/06 End Date: 10/20/06

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B
778391	1.00	1502			X	X	X	X	X		X		X		X				X		X	X		X		X	
778392	1.00	1507			X	X	X	X	X		X		X		X				X		X	X		X		X	
778393	1.00	1512			X	X	X	X	X		X		X		X				X		X	X		X		X	
778395	1.00	1518			X	X	X	X	X		X		X		X				X		X	X		X		X	
ICSA	1.00	1528		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1534		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1540		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1545		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/25/06 End Date: 10/25/06

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B
2CAL-BLK	1.00	0952		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T2CAL1	1.00	0958		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2	1.00	1003		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	1009		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1019		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICV/CCV	1.00	1025		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICB/CCB	1.00	1031		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICSA	1.00	1042		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICSAB	1.00	1048		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ZZZZZZ	1.00	1054		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1100		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1105		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1111		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1117		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1123		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1128		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1134		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1140		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
CCB	1.00	1146		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ZZZZZZ	1.00	1151		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1157		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1203		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1209		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1214		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1220		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1226		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1232		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
775826	1.00	1238		_	X	X	X	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	X	X	_
775826	5.00	1243		_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1249		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
CCB	1.00	1255		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
775827	1.00	1301		_	X	X	X	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 10/25/06 End Date: 10/25/06

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B
775829	1.00	1306			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ZZZZZZ	5.00	1312																									
775830	1.00	1318			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
775831	1.00	1324			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
776225	1.00	1329			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1335			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSAB	1.00	1341			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCV	1.00	1347			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCB	1.00	1352			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: LEEMAN3_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B
STD01	1.00	1716		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD02	1.00	1718		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD03	1.00	1720		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD04	1.00	1722		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD05	1.00	1724		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
STD06	1.00	1726		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICV/ACCV	1.00	1728		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICB/CCB	1.00	1729		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
BW101806	1.00	1732		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
LCSW	1.00	1734		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775827	1.00	1735		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775827D	1.00	1737		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775827MS	1.00	1740		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775527	1.00	1741		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775528	1.00	1743		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775529	1.00	1745		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1747		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1749		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778385	1.00	1751		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778386	1.00	1754		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778387	1.00	1756		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778388	1.00	1758		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778389	1.00	1800		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778390	1.00	1802		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778391	1.00	1804		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778392	1.00	1806		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1808		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1810		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778393	1.00	1812		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
778395	1.00	1814		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775826	1.00	1816		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
775828	1.00	1817		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: LEEMAN3_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B
775829	1.00	1819																X								
775830	1.00	1821																X								
775831	1.00	1824																X								
776225	1.00	1825																X								
CCV	1.00	1827																X								
CCB	1.00	1829																X								
ZZZZZZ	1.00	1831																								
ZZZZZZ	1.00	1833																								
ZZZZZZ	1.00	1835																								
ZZZZZZ	1.00	1837																								
ZZZZZZ	1.00	1839																								
ZZZZZZ	1.00	1841																								
ZZZZZZ	1.00	1844																								
ZZZZZZ	1.00	1846																								
CCV	1.00	1847																X								
CCB	1.00	1850																X								
ZZZZZZ	1.00	1852																								
ZZZZZZ	1.00	1854																								
ZZZZZZ	1.00	1856																								
ZZZZZZ	1.00	1858																								
ZZZZZZ	1.00	1900																								
ZZZZZZ	1.00	1902																								
ZZZZZZ	1.00	1904																								
ZZZZZZ	1.00	1906																								
CCV	1.00	1908																X								
CCB	1.00	1910																X								
ZZZZZZ	1.00	1912																								
ZZZZZZ	1.00	1914																								
ZZZZZZ	1.00	1916																								
ZZZZZZ	1.00	1918																								
ZZZZZZ	1.00	1920																								
ZZZZZZ	1.00	1922																								

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:21516_

Instrument ID Number: LEEMAN3_____ Method: CV

Start Date: 10/18/06 End Date: 10/18/06

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	B
ZZZZZZ	1.00	1923																												
ZZZZZZ	1.00	1925																												
CCV	1.00	1927																X												
CCB	1.00	1929																X												

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