EWMA

Toll Free: (800) 969-3159
Phone: (973) 560-1400
Fax: (973) 560-0400

An Environmental Consulting & Remediation Firm

www.ewma.com

March 18, 2011

Michael D. MacCabe, P.E.
Senior Environmental Engineer
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7016

Re: 1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
Voluntary Cleanup Agreement - Index Number A3-0411-0002

Dear Mr. MacCabe:

We have enclosed a hard copy and electronic copy (PDF on CD) of our final report, *Voluntary Cleanup Program, Ground Water - Remedial Investigation Report* and our final *Site Management Plan (*SMP*)* report for the 1 Warehouse Lane property in Elmsford, New York. The site investigations and response measures have been conducted as coordinated with New York State Department of Environmental Conservation (NYSDEC), and the final versions of the report and management plan transmitted herein incorporate responses to prior regulatory review comments regarding earlier draft submittals.

The enclosed final reports are provided pursuant to your request, and we understand once the deed restriction for the site is recorded as described in the SMP, response obligations under the Voluntary Cleanup Agreement will have been satisfied and that no further response action (except those specified in the SMP) are required.

We appreciate NYSDEC and your support and assistance during this project. If there are any questions or comments, please feel free to contact the undersigned.

Sincerely,
EWMA

Anthony O. Kaufman
Director

cc: Fay S. Navratil, NYS Dept. of Health
Jay A. Jaffee, Esq. Farer Fersko

An Environmental Consulting & Remediation Firm

VOLUNTARY CLEANUP PROGRAM
GROUND WATER –
REMEDIAL INVESTIGATION REPORT

Volume I of I

Property Known As:

1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142

Prepared For:

Elmsford Realty Associates L.L.C.
100 Clearbrook Road
Elmsford, New York

Submitted by:

EWMA, LLC
PO Box 5430
Parsippany, New Jersey 07054
EWMA Case No. 200385

March 2011

Prepared by: EWMA Staff

Reviewed By: Anthony Kaufman
Director

REMEDIAL INVESTIGATION REPORT CERTIFICATION

This certification is provided for the March 2011 Voluntary Cleanup Program Ground Water Remedial Investigation Report (Report) of the Property known as 1 Warehouse Lane in Elmsford Village, Westchester County, New York.

The Report is submitted pursuant to Paragraph IC of the Voluntary Cleanup Agreement among NYSDEC, Elmsford Realty Associates L.L.C. (formerly Elmsford Realty Associates, L.P.) and RMC Development Company, LLC (now known as Robert Martin Company, LLC) dated December 11, 2000 (Index Number A3-0411-0002) ("VCA") and as further described in Section 1.1 of the Report.

Consultant and Engineer Certification

I certify that Environmental Waste Management Associates, LLC (EWMA) is responsible for the day to day performance of the investigation reported herein under EWMA Project Number 200385, and that all activities that comprise the investigation were implemented in substantial conformance with report recommendations and NYSDEC correspondences issued during and subsequent to 2003 as further described in Section 1.1 of the Report.

By Environmental Waste Management Associates, LLC

3/18/11

Anthony Kaufman, Director Date

By EWMA Engineering Services, LLC
NYS Certificate of Authorization No. 0005246

3/18/2011

Richard D. Arnold, Managing Member Date
NYSPE No. 16 076202

STATE OF NEW YORK RICHARD D. ARNOLD 076202 LICENSED PROFESSIONAL ENGINEER

Engineering Note:

1) EWMA Engineering Services, LLC is the New York State authorized engineering subsidiary of Environmental Waste Management Associates, LLC;
2) It is a violation of Article 145 Section 7209 (2) of New York State Education Law for any person, unless he is acting under the direction of a New York State licensed engineer, to alter an item of this document in any way. If an item is altered, the altering engineer shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

TABLE OF CONTENTS

1.0) INTRODUCTION 1

1.1) PURPOSE 1

2.0) SITE DESCRIPTION 2

2.1) LOCATION, SITE AND VICINITY DESCRIPTION AND IMPROVEMENTS 2
2.2) CURRENT AND PAST USES OF THE SITE 2
2.3) CURRENT AND PAST USES OF ADJOINING PROPERTIES 3

3.0) PHYSICAL SETTING 4

4.0) IDENTIFIED AREAS OF ENVIRONMENTAL CONCERN 5

4.1) AOC 1 - FORMER 4,000-GALLON CAPACITY DIESEL UST 5
4.1.1) 1996 – 1997 Investigation Activities 5
4.1.2) 2001 UST Closure Activities 6
4.1.3) October 2002 Delineation Soil Borings 8
4.1.4) Ground Water Sampling 9
4.1.5) July 2003 Voluntary Cleanup Program Final Investigation Report (VCP FIR) Recommendations 10
4.2) AOC 2 - 275-GALLON CAPACITY WASTE OIL UST – EAST OF BUILDING 11
4.2.1) 1996 – 1997 Investigation Activities 11
4.2.2) 2001 UST Closure Activities 12
4.2.3) Ground Water Sampling 14
4.2.4) July 2003 VCP FIR Recommendations 14
4.3) AOC 3 - 275-GALLON CAPACITY WASTE OIL AST – EAST OF BUILDING 16
4.3.1) 1996 – 1997 Investigation Activities 16
4.3.2) 2001 AST Closure Activities 16
4.3.3) July 2003 VCP FIR Recommendations 17
4.4) AOC 4 - 275-GALLON CAPACITY UST – WEST OF BUILDING 17
4.4.1) 1996 – 1997 Investigation Activities 17
4.4.2) 2001 UST Closure Activities 18
4.4.3) October 2002 Delineation Soil Borings 20
4.4.4) Ground Water Sampling 21
4.4.5) July 2003 VCP FIR Recommendations 22
4.5) AOC 5 - FORMER 10,000-GALLON CAPACITY GASOLINE UST EXCAVATION 23
4.5.1) 1996 – 1997 Investigation Activities 23
4.5.2) October 2002 Delineation Soil Borings 24
4.5.3) Ground Water Sampling 25
4.5.4) July 2003 VCP FIR Recommendations 25
4.6) AOC 6 - INTERIOR OIL STAINING 26
4.6.1) 1998 Steam Cleaning & Dye Testing Activities 26
4.6.2) Ground Water Investigation 28
4.6.3) July 2003 VCP FIR Recommendations 28
4.7) AOC 7 - 1,500-GALLON CAPACITY FUEL OIL AST – NORTH OF BUILDING 28
4.7.1) 2001 AST Closure Activities 29
4.7.2) July 2003 VCP FIR Recommendations 29
4.8) AOC 8 - 2,000-GALLON CAPACITY FUEL OIL UST – NORTH OF BUILDING 29
4.8.1) 2001 UST Closure Activities 29
4.8.2) July 2003 VCP FIR Recommendations 31

5.0) SAW MILL RIVER SAMPLING 31

6.0) QUARTERLY GROUND WATER SAMPLING..... 32

7.0) TECHNICAL OVERVIEW..... 34

8.0) MONITORING WELL INSTALLATION 34

9.0) MONITORING WELL SAMPLING - 2008 35

9.1) APRIL 2008 SAMPLING EVENT..... 36
9.2) MAY 2008 SAMPLING EVENT..... 37

10.0) VAPOR INTRUSION CONSIDERATIONS 39

11.0) RECOMMENDATIONS..... 39

TABLES

Historical Soil Sampling Results Summary – AOC 1 1
Historical Ground Water Sampling Results Summary 2
Historical Soil Sampling Results Summary – AOC 2 3
Historical Soil Sampling Results Summary – AOC 4 4
Historical Soil Sampling Results Summary – AOC 5 5
Historical Soil Sampling Results Summary – AOC 8 6
March 2006 Surface Water Sampling Results Summary 7
April 2008 Ground Water Sampling Analytical Summary.....8
May 2008 Ground Water Sampling Analytical Summary.....9
April 2008 Ground Water Sampling Purge Data.....10
May 2008 Ground Water Sampling Purge Data.....11

FIGURES

Site Location 1
Site Plan 2
April 2008 Ground Water Contour Plan.....3
May 2008 Ground Water Contour Plan.....4
July 2009 Ground Water Contour Plan.....5
Areas of Environmental Concern.....6
2001-2002 Soil Sample Location Plan 7
Ground Water Exceedance Plan 8
March 2006 Surface Water Sample Location Plan.....9

APPENDICES

NYSDEC November 4, 2003 Correspondence.....1
Ground Water Sample Data Concentration Trend Diagrams 2
MW-6 Monitoring Well Construction Log & Survey Information 3
April 2008 Ground Water Sampling Laboratory Analytical Report 4
May 2008 Ground Water Sampling Laboratory Analytical Report 5

1.0) INTRODUCTION

1.1) PURPOSE

Environmental Waste Management Associates, LLC (EWMA) was retained by Elmsford Realty Associates L.L.C. to perform further investigation activities at the property located at 1 Warehouse Lane, Elmsford, Westchester County, New York (subject property) under New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program.

This report is submitted pursuant to Paragraph IC of the Voluntary Cleanup Agreement among NYSDEC, Elmsford Realty Associates L.L.C. (formerly Elmsford Realty Associates, L.P.) and RMC Development Company, LLC (now known as Robert Martin Company, LLC) dated December 11, 2000 (Index Number A3-0411-0002) ("VCA").

The actions described herein were implemented in accordance with the recommendations outlined within EWMA's July 2003 Voluntary Cleanup Program Final Investigation Report (VCP FIR) as conditionally approved by the NYSDEC and the New York State Department of Health (NYSDOH) in their November 4, 2003 correspondence (**Appendix 1**). Listed below are subsequent reports and NYSDEC correspondences detailing work performed on the property since 2003:

- November 15, 2004: First Quarterly Progress Report summarizing August 12, 2004 ground water sampling activities
- February 17, 2005: Correspondence from the NYSDEC Division of Fish, Wildlife, and Marine Resources
- March 15, 2005: Second Quarterly Progress Report summarizing November 11, 2004 ground water sampling activities
- December 28, 2005: Third and Fourth Quarterly Progress Reports summarizing ground water sampling performed February 10, 2005 and May 20, 2005 by Enviroworks of Clifton, NJ
- June 30, 2006: Saw Mill River Surface Water Sampling Report
- August 8, 2006: NYSDEC Division of Fish, Wildlife, and Marine Resources response to Saw Mill River Sampling Report
- This report was resubmitted to address NYSDEC and NYSDOH comments to the June 2009 Voluntary Cleanup Program – Remedial Investigation Report (VCP-RIR), specifically the October 16, 2009 NYSDEC approval email and the November 2, 2009 NYSDOH email correspondence.

2.0) SITE DESCRIPTION

2.1) LOCATION, SITE AND VICINITY DESCRIPTION AND IMPROVEMENTS

The subject property is identified as 1 Warehouse Lane within the Elmsford Distribution Center, Town of Greenburgh, Westchester County, New York. The subject property consists of a one-story 6,600 square foot building constructed in 1957 which includes two mezzanine office areas, a concrete and asphalt-paved portion of land currently operated as a parking lot; a section of asphalt-paved lot currently used for vehicle storage, and a section of unpaved land which is currently used for equipment storage. The subject building is constructed of brick, concrete block and reinforced-concrete walls, concrete floors, and a gypsum deck roof covered with 3-ply asphalt felt, tar & gravel. The subject property and immediate surrounding areas are zoned for 'Light Industrial' use. The subject property totals approximately one acre, was formerly owned by the RMC Development Co., LLC (RMC), formerly known as The Robert Martin Company (Robert Martin), and is now owned by Elmsford Realty Associates L.L.C. (Elmsford Realty). The subject property is bounded by 2 Warehouse Lane to the north, 3 Warehouse Lane to the west, the Saw Mill River to the east, and 6 Warehouse Lane to the south. The adjacent buildings located on Warehouse Lane are light industrial buildings similar to the subject property.

Figure 1 is a *Site Location Map* depicting the physical location of the subject property and the surrounding area. The *Site Plan*, included as **Figure 2**, depicts the subject property.

ConEdison of New York currently supplies electricity to the subject property, and the building is cooled by an electric roof top HVAC system. Potable water is supplied to the site by the Town of Greenburgh Water Department, and the property is connected to the Town of Greenburgh municipal sewer system[1].

The exterior portion of the subject property located between the subject building and Warehouse Lane (to the south) is currently largely comprised of concrete paved parking areas. The exterior northern portion of the subject property is asphalt paved, and is currently utilized for vehicle storage. Approximately 90% of the property is currently covered by the building structure or asphalt paved parking areas.

2.2) CURRENT AND PAST USES OF THE SITE

According to EWMA's review of Sanborn Fire Insurance Maps, Aerial Photography and local municipal records, the subject property was previously used as a truck repair garage within the A&P Westchester Warehouse complex which encompassed the majority of

[1] Historical maps reviewed by EWMA indicate that the subject building was connected to the sanitary and storm sewer systems during its use as part of the A&P Westchester Warehouse Complex. Therefore, since the building was constructed by A&P, the subject building has likely been connected to the sanitary and storm sewer system since its construction.

what is currently known as the Elmsford Distribution Center. An aerial photograph taken in 1954 depicts the subject property as cleared land. The subject building was constructed in 1957 and, according to the property manager, Frank Uzzo, it has not been modified since its construction. The subject property was presumably developed and operated as part of the A&P Westchester Warehouse complex until the property was purchased by Robert Martin on January 5, 1977.

Currently the subject building is occupied by one principal tenant, Factory Direct Bus Sales Inc. Factory Direct Bus Sales Inc. operates a bus sales and repair facility at the subject property. Small quantities of typical automotive service products including petroleum products and parts cleaning products are stored in areas proximate to their use. Parts cleaning is performed in self-contained units maintained and disposed of by Safety-Kleen on a regular basis. The exterior concrete parking areas to the south of the subject building are utilized by Factory Direct Bus Sales Inc. Prior to Factory Direct Bus Sales, Inc., J.P. Bus and Truck Repair LTD (JP Truck) operated a truck repair service at the Site until May 2004. Prior to J.P. Truck, truck repair operations were conducted at the tenant space by Expressway Trucking (Expressway Trucking was owned by Three D Industrial Maintenance). Parts are stored in steel storage containers located on the property exterior.

The subject building is heated through the use of space heaters located in the three west service bays, in the two eastern service bays, and in the garage area. The space heaters are oil-fired through the use of ASTs located proximate to each heater. The office areas are cooled through the use of a HVAC system located on the roof of the subject building.

The exterior of the subject property was generally either concrete paved or asphalt paved. The areas to the west and south of the subject building are paved with concrete. The southern and eastern portions of the subject property drain toward the adjacent Saw Mill River. The roof leaders and the northern portion of the subject property drain to the storm sewer system which empties into the adjacent Saw Mill River.

2.3) CURRENT AND PAST USES OF ADJOINING PROPERTIES

The areas adjoining and surrounding the subject property were noted during the site inspections to be comprised of the Elmsford Distribution Center which is comprised of the subject building and five other light industrial use properties. A large junkyard known as Brookfield Automotive Exporting is located south of the Elmsford Industrial Park. A commercial shopping center is located across the Saw Mill River to the east. Undeveloped wooded property and an electrical powerline easement is located west of the Elmsford Distribution Center and commercial properties are currently located to the north of the Elmsford Distribution Center.

3.0) PHYSICAL SETTING

The current USGS 7.5 Minute Topographic Map showing the area on which the property is located (the White Plains, NY Quadrangle) depicts the site to be approximately 180 feet above mean sea level. An excerpt from the White Plains, NY Quadrangle is included as **Figure 1**. According to the Geological Map of New York (Lower Hudson Sheet, Fisher 1970), the subject area is located within the Manhattan Prong geologic region consisting of Precambrian to Paleozoic age metamorphic rocks. The consolidated formations of this region consist of Pre-Cambrian age Fordham gneiss. Unconsolidated formations are comprised of various types of glacial and alluvial deposits and organic soils.

According to the US Department of Agriculture's Soil Survey of Westchester and Putnam Counties the soils onsite are described as *urban land* (Uf). Soils described as Uf indicate that 60% or more of the land surface is covered with buildings or other structures. Ground surface slopes from 0.0 to 8.0 percent in areas mapped Uf. Otherwise, the US Department of Agriculture's Soil Survey does not indicate the composition of soils mapped as Uf.

Soil encountered during soil boring and excavation activities generally consisted of tan fine to medium sands with coarse gravel from 6 inches to 9 feet below site grade (b.s.g.), underlain by grey fine sand with some fine gravel and trace silt (moist). Ground water was generally encountered between 8 feet and 10 feet b.s.g. Historic fill materials were not encountered.

The Saw Mill River, which flows from the north to the southeast, is located immediately adjacent to the subject property.

EWMA did not conduct a wetland evaluation of the area, but investigated the area further with the National Wetlands Inventory Maps for New York, which is compiled by the United States Department of the Interior. Review of the National Wetlands Inventory Map indicates that no portion of the subject property is identified as mapped wetlands.

Ground water flow was determined using relative elevations and depth to ground water measurements for the November 2002 and December 2002 sampling events. *Ground Water Contour Plans* for the April 2008, May 2008 and July 2009 sampling events are included as **Figures 3, 4** and **5**, respectively. Ground water generally flows to the east-northeast toward the Saw Mill River. Please note that monitoring well MW-1 was removed from ground water flow estimates because water levels within MW-1 were found to be artificially high. MW-1 was installed within the backfill of the former 4,000-gallon diesel UST system excavation that was the largest excavation created at the property. The location of MW-1 was also noted to be the area where storm water flows to the Saw Mill River.

4.0) IDENTIFIED AREAS OF ENVIRONMENTAL CONCERN

The identified areas of concern discussed herein are depicted on **Figure 6**. The following report sections discuss the history of each area of environmental concern.

4.1) AOC 1 - FORMER 4,000-GALLON CAPACITY DIESEL UST

The former 4,000-gallon capacity diesel UST was owned by Robert Martin and was formerly operated by the J.P. Truck Service Center. The former 4,000-gallon capacity diesel UST system included a dispenser and was located at the southeastern corner of the property. The former 4,000-gallon capacity diesel UST was known as Tank ID# 001 under the 1 Warehouse Lane NYSDEC PBS #3-600329.

4.1.1) 1996 – 1997 Investigation Activities

EWMA arrived onsite on December 3, 1996 and December 4, 1996 to oversee the installation of soil borings for the collection of soil samples around the out-of-service 4,000-gallon capacity diesel UST using a Geoprobe™ drill rig. Soil samples were obtained from each boring at approximately 6 inches below the suspected level of the 4,000-gallon diesel UST's invert, or approximately 9-9.5 feet b.s.g. EWMA collected a total of seven (7) soil samples (EDC1-T1A through EDC1-T1G) for NYSDEC Spill Technology and Remediation Series (STARS) volatiles and semi-volatile organic compounds.

The results of soil sampling revealed concentrations of benzene, toluene, ethylbenzene, total xylenes, isopropylbenzene, n-propylbenzene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, naphthalene, fluorene, and phenanthrene which exceed the NYSDEC TCLP Alternative Guidance Values. Additionally, concentrations of benzene detected in sample T1D exceed the NYSDEC Human Health Guidance Value of 24,000 ppb. Contaminant concentrations which exceed the NYSDEC TCLP Alternative Guidance Values and Human Health Guidance Values were detected within soil samples obtained within two feet of ground water.

On January 20, 1997, EWMA installed one passively placed narrow diameter ground water sampling point (PPNDP), labeled T1D, in the area of the former 4,000-gallon diesel UST to assess groundwater quality. Approximately 0.25 inches of free product was encountered within the T1D ground water sampling point installed south of the 4,000-gallon capacity UST. Free product was recovered from T1D and the dissolved phase was sampled. Groundwater sample T1D-GW was analyzed for NYSDEC STARS volatile and semi-volatile organic compounds. The results of T1D post-purge dissolved phase ground water sampling indicated concentrations of benzene, toluene, ethylbenzene,

total xylenes, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, naphthalene, fluorene, and phenanthrene that exceeded the NYSDEC Extraction Guidance Values.

EWMA recommended the removal of the 4,000-gallon diesel out-of-service UST system and any associated impacted soils. EWMA recommended that the appropriate endpoint samples be collected following the removal of the UST system and associated impacted soils. EWMA proposed the installation, surveying and sampling of permanent monitoring wells to further investigate groundwater quality. The NYSDEC conditionally approved EWMA's proposal in their correspondence dated June 12, 2000.

4.1.2) 2001 UST Closure Activities

On September 19, 2001, an EWMA representative was onsite to document the uncovering, emptying, cleaning and removal of the 4,000-gallon diesel UST[2] located on the southeast portion of the property. Representatives of EWMA performed soil excavation activities. The diesel fuel dispenser and approximately six (6) linear feet of tank piping were also removed. Residual product within the dispenser and piping was drained into the UST.

Soils covering the 4,000-gallon diesel UST were field screened with a PID and excavated to expose the top of the UST and facilitate waste removal and interior cleaning. Soils in the area of the dispenser, the fill port, and the associated piping were placed on trucks and were disposed offsite. Other soils above the 4,000-gallon capacity diesel UST were determined to be suitable for re-use as backfill following UST system removal and soil excavation activities.

The 4,000-gallon capacity fuel oil UST and its associated piping was emptied and cleaned, and the UST system contents were removed and disposed offsite by LORCO. A total of 175 gallons of diesel fuel and sludge were removed from the tank.

Upon removal from the ground, the steel tank measured 24 feet long and 5 feet, 4 inches in diameter. The tank's invert was measured at 8.5 feet b.s.g. Inspection of the UST system revealed evidence of heavy pitting and corrosion. One pinhole was noted at the northern end of the UST. The UST and excavation were inspected by representatives of the NYSDEC and the Westchester County Department of Health (WCHD).

Approximately six (6) linear feet of tank piping were also removed. The piping was buried 3.5 feet b.s.g. and was removed along a linear trench running perpendicular to the tank beginning from the northern end of the tank and ending at the dispenser unit.

[2] During the excavation of the 4,000-gallon diesel UST, representatives of J.P. Truck indicated that a 2,000-gallon capacity gasoline UST was formerly located in the area south of the 4,000-gallon diesel UST. The 2,000-gallon capacity gasoline UST system included a dispenser and was reportedly formerly used to fuel trucks before the diesel fuel UST was installed. No other information regarding the former 2,000-gallon gasoline UST was available. The 4,000-gallon capacity diesel UST location is depicted on the *Area of Concern Plan*, which is enclosed as **Figure 6**. The former 2,000-gallon capacity gasoline UST excavation is discussed within this section of the report because the 4,000-gallon diesel fuel UST system and impacted soils excavation encompassed the reported location of the former 2,000-gallon capacity gasoline UST system.

Visually impacted soils were noted beneath the piping and were excavated for offsite disposal.

Upon removal of the tank, seven soil samples (SS-1 through SS-7) were collected from soils directly beneath the UST. Samples SS-1 through SS-7 were collected from a depth of 9.0 to 9.5 feet b.s.g. for NYSDEC STARS volatile and semi-volatile organic compound analysis.

The excavation was then expanded in all directions in an effort to remove soils that were visually impacted and which exhibited elevated PID readings. The excavation was expanded westward and additional soils were excavated for offsite disposal at the direction of the NYSDEC representative, Mr. Michael McCabe. Approximately 1,800 tons of field determined impacted soils were removed from the excavation and loaded directly onto trucks for disposal at the Carteret Biocycle Corporation of Carteret, New Jersey. Ground water, which exhibited a visible sheen, was noted within the bottom of the excavation. The final excavation measured approximately 66 feet long by 30 feet wide. Visual assessment and field screening readings revealed that contamination within the southern portion of the excavation extended to a greater depth than that in the northern portion of the excavation. The northern portion of the excavation was extended to a depth of 10 feet b.s.g. while the southern half of the excavation was extended to a depth of approximately 16 feet b.s.g.

Soils encountered during excavation activities generally consisted of brown fine to medium sands and silts with little coarse sand/fine gravel from 0 to 9.0 feet b.s.g. and grey fine sand and silt with little fine gravel and trace clay from 9.0 to 16.0 feet b.s.g. Ground water was encountered within the southern portion of the excavation at 16.5 feet b.s.g. Ground water was not encountered in the northern portion of the excavation.

A total of eleven (11) endpoint soil samples (AOC1-EX-1 through AOC1-EX-11) were collected from the tank excavation from September 21, 2001 through September 25, 2001 for NYSDEC STARS volatile and semi-volatile organic compound analysis. Samples AOC1-EX-1 through AOC1-EX-4 were collected from the excavation sidewalls at the southern end of the excavation from a depth of 16 to 16.5 feet b.s.g. (corresponding to the 0 to 6 inch interval above ground water). Samples AOC1-EX-5 through AOC1-EX-9 and AOC1-EX-11 were collected from the excavation sidewalls at a depth of 10 to 10.5 feet b.s.g. Endpoint sample AOC1-EX-10 was collected from the excavation base at a depth of 10 to 10.5 feet b.s.g. Sample locations of AOC1-EX-1 through AOC1-EX-11 are depicted in **Figure 7**. Soil samples exhibiting results in exceedance of NYSDEC Recommended Soil Cleanup Objectives (RSCO), presented in NYSDEC Division of Remediation December 2000 memorandum, and/or NYSDEC Remedial Program Soil Cleanup Objectives for commercial properties (SCO-C), outlined in NYSDEC Environmental Conservation Law Subpart 375-6, are shown in **Figure 7**.

Following endpoint sampling activities, approximately 1,850 tons of certified clean fill from Tilcon New York, Inc. of West Nyack, New York was used to return the excavation to grade.

Generally, five of the seven samples (SS-1, SS-2, SS-4, SS-6 and SS-7) exhibited concentrations of volatile and semi-volatile organic compounds which exceed the RSCO. All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses.

The results of laboratory analysis for the endpoint soil samples AOC1-EX-1 through AOC1-EX-11 revealed that only three (AOC1-EX-2, AOC1-EX-3 and AOC1-EX-4) of the eleven samples exhibited concentrations of volatile and semi-volatile organic compounds that exceed the NYSDEC RSCO. Specifically, the following exceedences of the NYSDEC RSCO were detected within the endpoint samples (the corresponding criteria are listed parenthetically).

- AOC1-EX-2: benzene at 3.15 ppm (0.06 ppm);
- AOC1-EX-3: benzene at 1.56 ppm (0.06 ppm), toluene at 17.3 ppm (1.5 ppm), ethylbenzene at 8.02 ppm (5.5 ppm), total xylenes at 16.6 ppm (1.2 ppm), isopropylbenzene at 3.09 ppm (2.3 ppm), n-propylbenzene at 6.82 ppm (3.7 ppm), 1,3,5 trimethylbenzene at 22.9 ppm (3.3 ppm), 1,2,4 trimethylbenzene at 11.6 ppm (10 ppm), naphthalene at 58.5 ppm (13 ppm), sec-butylbenzene at 5.57 ppm (10 ppm);
- AOC1-EX-4: benzene at 9.72 ppm (0.06 ppm), toluene at 34.9 ppm (1.5 ppm), ethylbenzene at 7 ppm (5.5 ppm), total xylenes at 29.5 ppm (1.2 ppm), 1,3,5 trimethylbenzene at 4.63 ppm (3.3 ppm), and naphthalene at 25.5 ppm (13 ppm).

All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses. The results of the sampling event are summarized in **Table 4**.

4.1.3) October 2002 Delineation Soil Borings

On October 23 and 24, 2002, an EWMA representative documented the installation of six soil borings (SS-8, SS-9, SS-10, SS-11, SS-12 and SS-13) west and southwest of the former 4,000-gallon diesel UST to delineate contamination above RSCO west and south of endpoint samples AOC1-EX-2, AOC1-EX-3 and AOC1-EX-4. Soil boring locations SS-8, SS-9, SS-10 and SS-13 were installed on the 1 Warehouse Lane property. Soil boring locations SS-12 and SS-11 were installed along Warehouse Lane, on the south side of the chainlink fence that demarks the property boundary. The soil borings were installed using a Geoprobe™ drill rig and samples were collected for NYSDEC STARS volatile organic compound analysis. Soil samples were collected from the 0 to 6 inch interval above ground water, which was generally encountered between 9.0 and 12.0 feet b.s.g. SS-12 was collected at a depth of 13.5 to 14 feet b.s.g. Locations of soil samples

SS-8 through SS-13 are depicted in **Figure 7**. Soil samples exhibiting results in exceedance of NYSDEC RSCO and/or NYSDEC SCO-C are shown in **Figure 7**.

Delineation activities along Warehouse Lane, south and southwest of the 4,000-gallon capacity diesel fuel UST excavation were limited by the proximity of Warehouse Lane and by the proximity of utilities within the sidewalk and Warehouse Lane.

Sample analysis at sample locations SS-8, SS-10 and SS-13, installed west of the former 4,000-gallon capacity diesel fuel UST excavation, exhibited contaminant concentrations below NYSDEC RSCO and SCO-C standards. Similarly, sample SS-12, installed southwest of the former excavation along Warehouse Lane, exhibited contaminant concentrations below NYSDEC RSCO and SCO-C standards.

Sample SS-9, installed southwest of the excavation, exhibited 4.87 ppm of total xylenes (NYSDEC RSCO is 1.2 ppm). Sample SS-11, installed south of SS-9, revealed 26.3 ppm toluene (NYSDEC RSCO is 1.5 ppm), 20.7 ppm ethylbenzene (NYSDEC RSCO is 5.5 ppm), and 103 ppm total xylenes (NYSDEC RSCO is 1.2 ppm). Samples SS-9 and SS-11 exhibited contaminants at concentrations that were below their respective SCO-C for all analytes.

Laboratory analysis of endpoint samples indicated that only three of the eleven endpoint samples exhibited contaminant concentrations in excess of the NYSDEC RSCO. All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses. The endpoint samples from the northwestern, northern and eastern (downgradient) portions of the excavation demonstrated compliance with the NYSDEC RSCO. Samples collected from the southeastern and southwestern portions of the excavation revealed concentrations of volatile and semi-volatile organic compounds that exceed the NYSDEC RSCO. All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses. The results of the sampling event are summarized in **Table 1**.

The results of soil sampling performed to delineate the contamination identified southwestern and southeastern portions of the 4,000-gallon diesel UST excavation indicated that the contamination has been delineated onsite to the west (SS-8) and offsite to the southwest (SS-12). Further delineation to the south and southeast of the former 4,000-gallon diesel UST excavation is not possible due to the presence of the Saw Mill River, Warehouse Lane, and numerous utilities which enter the industrial park along Warehouse Lane. These utilities include high voltage electric lines.

4.1.4) Ground Water Sampling

Ground water was investigated in the area of the 4,000-gallon capacity diesel fuel UST excavation through the installation of one monitoring well, MW-1, within the southern

portion of the excavation. An EWMA representative sampled MW-1 for volatile and semi-volatile organic compounds, polychlorinated biphenyls (PCBs), and both unfiltered and filtered priority pollutant metals on November 12, 2002 and December 12, 2002. MW-1 was sampled for PCBs and priority pollutant metals because it is the downgradient monitoring well and was thus sampled for all of the ground water sampling parameters performed as part of this investigation. No free product was encountered within MW-1 during the November 12, 2002 and December 12, 2002 sampling events.

The results of the November 12, 2002 laboratory analysis revealed concentrations of benzene (1.64 ppb), arsenic (54 ppb), copper (257 ppb), and lead (38 ppb) at levels that exceeded the NYS Class GA GWS.

The results of the December 12, 2002 laboratory analysis revealed concentrations of benzene (2.13 ppb) and arsenic (45.1 ppb) at levels that exceeded the NYS Class GA GWS.

The results of the November 12, 2002 and December 12, 2002 ground water sampling events are summarized within **Table 2** and **Figure 8**.

4.1.5) July 2003 Voluntary Cleanup Program Final Investigation Report (VCP FIR) Recommendations

EWMA recommended that residually impacted soils at the southwestern and southeastern portions of the UST excavation be allowed to remain in-place based on the following information:

1. The excavation and disposal of over 1,800 tons of residually impacted soils both above and below the water table has effectively eliminated the source of ground water contamination in the area of the former 4,000-gallon capacity diesel fuel and the former 2,000-gallon gasoline USTs. The majority of the endpoint samples (eight of eleven) demonstrated compliance with the NYSDEC RSCO, and all eleven endpoint samples demonstrated compliance with SCO-C;
2. The results of EWMA's delineation investigations indicate that the area of impacted soils above RSCO at the southwestern and southeastern corners of the former excavation is limited, and no impacted soil above SCO-C remains;
3. The limited area of impacted soils is located in a relatively inaccessible area adjacent to Warehouse Lane and the Saw Mill River. High voltage electrical lines and other utilities would severely limit any intrusive work south of the property boundary;
4. The results of ground water sampling indicate that only one petroleum fuel related compound, benzene, was detected in ground water in this area. The concentrations of benzene detected (1.64 ppb and 2.13 ppb) only slightly exceed the NYS Class GA GWS.

EWMA requested that the spill files for NYSDEC Spill Nos. 8901621 and 9204142 be closed and that no further action be required with regard to the soils impacted by the former 4,000-gallon capacity diesel fuel and the former 2,000-gallon gasoline UST systems pursuant to subparagraph I.G.1 of the VCA. EWMA also requested that, pursuant to subparagraph I.G.2 of the VCA, an Assignable Release and Covenant Not To Sue be granted.

With regard to ground water, EWMA recommended that four quarterly rounds of ground water sampling be conducted to monitor concentrations of benzene and arsenic at MW-1. EWMA additionally recommended that lead be analyzed for during the first quarterly sampling event to demonstrate that lead is no longer a contaminant of concern in the area of the former 4,000-gallon capacity diesel fuel and 2,000-gallon gasoline UST systems. If the results of quarterly ground water sampling confirmed that natural attenuation is an appropriate remedial action for ground water, then EWMA indicated that a request would be made that no further action be required with regard to the ground water impacted by the former 4,000-gallon capacity diesel fuel and the former 2,000-gallon gasoline UST systems.

The NYSDEC, in their November 4, 2003 correspondence, concurred with the ground water monitoring program recommendation. A copy of this document is provided as **Appendix 1.** The results of the ground water monitoring program performed from August 2004 through May 2008 are further discussed in Sections 6.0 and 8.0-8.2 of this report.

4.2) AOC 2 - 275-GALLON CAPACITY WASTE OIL UST – EAST OF BUILDING

Review of historic site plans and the discovery of a vent pipe along the eastern side of the building during EWMA's 1996 inspection revealed the presence of an out-of-service 275-gallon capacity waste oil UST east of the subject building. This UST appears to have received waste oil that was separated from the floor drain effluent by a former oil/water separator. The former oil/water separator and the eastern waste oil UST were presumably last used during truck maintenance operations conducted at the property by A&P. No evidence of the oil/water separator was noted during EWMA's 1996 inspection of the property. The out-of-service 275-gallon capacity waste oil UST east of the subject building was known as Tank ID# 007 under the 1 Warehouse Lane NYSDEC PBS #3-600329.

4.2.1) 1996 – 1997 Investigation Activities

On December 3, 1996 and December 4, 1996, EWMA documented the installation of soil borings for the collection of soil samples around the 275-gallon capacity waste oil UST using a Geoprobe™ drill rig. Soil samples EDC1-T4A through EDC1-T4B were obtained approximately 6 inches below the suspected level of the 275-gallon waste oil

UST invert, or approximately 6.5-7.0 feet b.s.g. Soil samples were collected for NYSDEC STARS volatile and semi-volatile organic compounds and priority pollutant metals.

The results of soil sampling performed in the area of the former waste oil UST located east of the subject building indicates that concentrations of volatile organic compounds at sample location EDC1-T4B that exceeded the NYSDEC RSCO. Additionally, zinc and copper were detected at concentrations that exceed both the NYSDEC RSCO and the USEPA Eastern USA Regional Background. Contaminant concentrations that exceed the NYSDEC RSCO and the USEPA Eastern USA Regional Background were detected within two feet of ground water.

EWMA recommended the removal of the out-of-service 275-gallon waste oil UST system and any associated impacted soils. EWMA recommended that the appropriate endpoint samples be collected following the removal of the UST system and associated impacted soils. EWMA additionally proposed the installation, surveying and sampling of one permanent monitoring well in the area of the eastern out-of-service 275-gallon waste oil UST. The NYSDEC conditionally approved EWMA's proposal in their correspondence dated June 12, 2000 (refer to **Appendix 1** for NYDEC's letter dated June 12, 2000).

4.2.2) 2001 UST Closure Activities

On October 8, 2001, an EWMA representative was onsite to document the uncovering, emptying, cleaning and removal of the 275-gallon capacity waste oil UST. Representatives of EWMA performed excavation activities. The only piping encountered during the removal of the eastern 275-gallon capacity waste oil UST was the vent pipe.

Soils covering the 275-gallon capacity waste oil UST were field screened with a PID and excavated to expose the top of the UST and facilitate waste removal and interior cleaning. Soils covering the 275-gallon capacity waste oil UST were field determined to be suitable for re-use as backfill following UST system removal and soil excavation activities.

The top of the 275-gallon UST was encountered at 3 feet b.s.g. Following exposure and opening of the UST, representatives of LORCO removed any residual sludge and squeegeed the interior. Residual tank sludge waste was disposed of at a licensed disposal facility. A total of 924-gallons of water, waste oil and sludge were removed from the tank and the excavation.

Upon removal from the ground, the steel tank measured 4 feet long and 3 feet in diameter, and the tank’s invert was measured at 4.5 feet below ground surface (b.g.s). Inspection of the UST revealed evidence of heavy pitting and corrosion. Small diameter

corrosion holes were noted along the seams and side of the UST. Product and ground water were noted within the UST excavation. Product-impacted ground water was recovered from the excavation by representatives of LORCO. The UST and excavation were inspected by representatives of the WCHD.

EWMA personnel screened the exposed soils with a PID. Visually stained soils and soils exhibiting elevated PID readings were removed from the excavation and loaded directly onto trucks for offsite disposal. Upon removal of the tank, the excavation was expanded in all directions in an effort to remove all stained soil that was observed at the bottom and sidewalls of the excavation. The excavation was ultimately expanded southward to include the area of surficial stained soils noted beneath the former 275-gallon waste oil AST referenced in Section 4.3 of this report. The 275-gallon waste oil AST had been moved inside the subject building and was not present at the time of EWMA's 2001 investigation activities. Approximately 200.24 tons of field determined impacted soils were removed from the excavation and loaded directly onto trucks for disposal at the Carteret Biocycle Corporation of Carteret, New Jersey. The final excavation measured 26 feet long by 12 feet wide by 11 feet deep.

Soils encountered during excavation activities generally consisted of brown fine to medium sands and silts with little fine gravel from 0 to 11.5 feet b.s.g. Ground water was encountered at 11.5 feet b.s.g.

A total of six endpoint samples (AOC2-EX-1 through AOC2-EX-6) were collected for total petroleum hydrocarbons, priority pollutant metals, PCBs, and NYDEC STARS volatiles and semi-volatile organic compounds analysis. Since ground water was encountered at the base of the excavation, endpoint samples AOC2-EX-1 through AOC2-EX-6 were collected at a depth of 11.0 to 11.5 feet b.s.g., corresponding to the 0-6 inch interval above ground water. Sample locations of AOC2-EX-1 through AOC2-EX-6 are depicted in **Figure 7**. Soil samples exhibiting results in exceedance of NYSDEC RSCO and/or NYSDEC SCO-C are shown in **Figure 7**.

A WCHD representative inspected the UST and corresponding excavation and approved backfilling activities. Approximately 121.55 tons of certified clean fill from Tilcon New York, Inc. of West Nyack, New York were used to return the excavation to grade.

The results of sample analysis revealed the following metals in exceedence of the NYSDEC RSCO (the corresponding criteria are listed parenthetically). The results of the sampling event are summarized in **Table 3**.

- AOC2-EX-1: beryllium at 1.62 ppm (0.16 ppm or Site Background {SB}); chromium at 24.8 ppm (10 ppm or SB); copper at 26.6 ppm (25 ppm or SB); nickel at 13.9 ppm (13 ppm or SB); and zinc at 122 ppm (20 ppm or SB).

- AOC2-EX-2: beryllium at 2.44 ppm (0.16 ppm or SB); chromium at 25.6 ppm (10 ppm or SB); nickel at 17.7 ppm (13 ppm or SB); and zinc at 229 ppm (20 ppm or SB).
- AOC2-EX-3: beryllium at 2.45 ppm (0.16 ppm or SB); chromium at 25.7 ppm (10 ppm or SB); copper at 33.5 ppm (25 ppm SB); nickel at 14.6 ppm (13 ppm or SB); and zinc at 203 ppm (20 ppm or SB).
- AOC2-EX-4: beryllium at 0.712 ppm (0.16 ppm or SB); chromium at 19.3 ppm (10 ppm or SB); nickel at 16.1 ppm (13 ppm or SB); and zinc at 61.8 ppm (20 ppm or SB).
- AOC2-EX-5: beryllium at 1.55 ppm (0.16 ppm or SB); chromium at 27.7 ppm (10 ppm or SB); copper at 45 ppm (25 ppm SB); and zinc at 133 ppm (20 ppm or SB).
- AOC2-EX-6: beryllium at 1.37 ppm (0.16 ppm or SB); chromium at 27.8 ppm (10 ppm or SB); copper at 31.2 ppm (25 ppm SB); nickel at 13.6 ppm (13 ppm or SB); and zinc at 111 ppm (20 ppm or SB).

All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses.

4.2.3) Ground Water Sampling

Monitoring well MW-2 was installed to investigate potential groundwater impacts associated with the former 275-gallon capacity waste oil UST. An EWMA representative sampled MW-2[3] for volatile and semi-volatile organic compounds, PCBs, and both unfiltered and filtered priority pollutant metals on November 12, 2002 and December 12, 2002. A duplicate sample, labeled MW-2 DUP, was collected from MW-2 on November 12, 2002 and December 12, 2002. No free product was encountered within MW-2 during the November 12, 2002 and December 12, 2002 sampling events.

The results of laboratory analysis of the samples collected from MW-2 on November 12, 2002, which are summarized on **Table 2**, revealed concentrations of benzene (2.17 ppb) and naphthalene (363 ppb) in excess of the NYS Class GA GWS.

The results of laboratory analysis of the samples collected from MW-2 on December 12, 2002, which are summarized on **Table 2**, revealed concentrations of MTBE, benzene, total xylenes, 1,2,4-trimethylbenzene, naphthalene and acenaphthene in excess of the NYS Class GA GWS.

4.2.4) July 2003 VCP FIR Recommendations

The results of endpoint sampling indicated slight exceedences of the NYSDEC RSCO for the priority pollutant metals beryllium, chromium, copper, nickel and zinc. TAGM 4046

[3] The original sampling plan for MW-2 included TPHC; however, EWMA obtained verbal approval from the NYSDEC to eliminate TPHC since the volatile and semi-volatile organic compound analyses would provide sufficient information regarding petroleum hydrocarbons.

allows for the use of site background metals concentrations as the applicable endpoint standards. Based upon the results of this and other investigations conducted under the VCA at 5 Warehouse Lane and 6 Warehouse Lane, EWMA considers the concentrations of priority pollutant metals detected in the area of the former 275-gallon waste oil UST to be indicative of background conditions. All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses.

Monitoring well MW-2 was installed within the former excavation to investigate potential groundwater impacts associated with the former 275-gallon capacity waste oil UST system. MW-2 was sampled twice for volatile and semi-volatile organic compounds, PCBs, and both unfiltered and filtered priority pollutant metals. The results of ground water sampling indicated concentrations of MTBE, benzene, total xylenes, 1,2,4-trimethylbenzene, acenaphthene, and naphthalene which slightly exceed their respective NYS Class GA GWS.

EWMA recommended that no further remedial action be required with regard to the former 275-gallon capacity waste oil UST system based on the following information:

1. The removal and disposal of over 900-gallons of aqueous material and 200 tons of residually impacted soils has effectively eliminated the source of ground water contamination in the area of the former 275-gallon capacity waste oil UST system. The endpoint samples demonstrated compliance with the NYSDEC RSCO for all petroleum related parameters;
2. The priority pollutant metals detected within the endpoint samples are at concentrations considered background for the property and the surrounding area.
3. The results of ground water investigation activities indicate concentrations of priority pollutant metals which were either non-detectable or below their respective NYS Class GA GWS;
4. The concentrations of volatile and semi-volatile compounds in ground water only slightly exceed their respective NYS Class GA GWS.
5. All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses.

EWMA requested that no further action be required with regard to the soils impacted by the former 275-gallon capacity waste oil UST system east of the subject building, pursuant to subparagraph I.G.1 of the VCA. EWMA additionally requested that, pursuant to subparagraph I.G.2 of the VCA, an Assignable Release and Covenant Not To Sue be granted in the form set forth in Exhibits D and D-1, respectively, to the VCA.

With regard to ground water, EWMA recommended that four quarterly rounds of ground water sampling be conducted to monitor concentrations of volatile and semi-volatile organic compounds at MW-2.

The NYSDEC, in their November 4, 2003 correspondence, concurred with the ground water monitoring program recommendation. The results of the ground water monitoring program performed from August 2004 through May 2008 are further discussed in Sections 6.0 and 9.0 of this report.

4.3) AOC 3 - 275-GALLON CAPACITY WASTE OIL AST – EAST OF BUILDING

The 275-gallon capacity waste oil AST, owned and operated by the J.P. Truck, was formerly located to the east of the subject building over bare soils. During the 1996 due diligence investigation EWMA noted staining on the sands surrounding the base of the waste oil AST.

4.3.1) 1996 – 1997 Investigation Activities

On December 3, 1996, EWMA documented the installation of one (1) soil boring (EDC1-WO1) in the area adjacent to the 275-gallon waste oil AST. Soil sample EDC1-WO1 was collected at 0 to 6 inches b.s.g. and analyzed for NYSDEC STARS volatile and semi-volatile organic compounds and priority pollutant metals.

The surficially stained soils adjacent to the existing 275-gallon waste oil AST were found to contain contaminant concentrations that exceed the applicable NYSDEC guidelines. The results of soil sampling performed in the area of the existing 275-gallon capacity waste oil AST located east of the subject building indicates that the concentration of 1,2,4-trimethylbenzene exceeded the NYSDEC TCLP Alternative Guidance Values. Additionally, zinc was detected at a concentration that exceeds both the TAGM Recommended Cleanup Objective and the USEPA Eastern USA Regional Background.

EWMA proposed to excavate and dispose of the residually impacted soils in the area adjacent to the existing 275-gallon waste oil AST. EWMA recommended that the appropriate endpoint samples be collected following impacted soil removal. The NYSDOH and NYSDEC conditionally approved EWMA's proposal in their correspondence dated June 12, 2000.

4.3.2) 2001 AST Closure Activities

The 275-gallon waste oil AST had been moved inside the subject building and was not present at the time of EWMA’s 2001 investigation activities. The excavation activities conducted by EWMA on October 8, 2001 following the removal of the 275-waste oil UST east of the subject building were expanded to encompass the area of surficial stained soils noted beneath the former 275-gallon waste oil AST. The endpoint samples collected to address the 275-waste oil UST east of the subject building also address the area of surficial stained soils noted beneath the former 275-gallon waste oil AST (See Section 4.2).

As previously stated, approximately 200 tons field determined impacted soils were removed from the combined excavation. The results of endpoint sampling indicated slight exceedences of the NYSDEC RSCO and SCO for the priority pollutant metals beryllium, chromium, copper, nickel and zinc. TAGM 4046 allows for the use of site background metals concentrations as the applicable endpoint standards. Based upon the results of this and other investigations conducted under the VCA at 1 Warehouse Lane and 6 Warehouse Lane, EWMA considered the concentrations of priority pollutant metals detected in the area of the former 275-gallon waste oil UST to be indicative of background conditions.

The results of soil sampling performed on October 8, 2001 are summarized in **Table 3** (as part of AOC 2). The locations of soil samples collected during excavation activities are depicted in **Figure 7**.

4.3.3) July 2003 VCP FIR Recommendations

EWMA recommended that no further action be required with regard to the soils and ground water potentially impacted by the former 275-gallon capacity waste oil AST east of the subject building, pursuant to subparagraph I.G.1 of the VCA. EWMA additionally requested that, pursuant to subparagraph I.G.2 of the VCA, an Assignable Release and Covenant Not To Sue be granted in the form set forth in Exhibits D and D-1, respectively, to the VCA.

4.4) AOC 4 - 275-GALLON CAPACITY UST – WEST OF BUILDING

Two vent pipes and two fill ports were noted on the western side of the subject building during EWMA's 1996 inspection. It was ultimately determined that one of the vent pipes corresponded to the former 10,000-gasoline UST, which is discussed in Section 4.5. The remaining vent pipe and both fill ports were determined to correspond to the out-of-service 275-waste oil UST. The western-most waste oil UST was presumably last used during truck maintenance operations conducted at the property by A&P. The out-of-service 275-gallon capacity waste oil UST west of the subject building was known as Tank ID# 006 under the 1 Warehouse Lane NYSDEC PBS #3-600329.

4.4.1) 1996 – 1997 Investigation Activities

On December 3 and 4, 1996, EWMA observed the installation of soil borings for the collection of soil samples around the out-of-service 275-gallon capacity diesel UST using a Geoprobe™ drill rig. Soil samples were obtained from each boring at approximately 6-inches below the suspected level of the 275-gallon diesel UST invert, or approximately 6.5 to 7 feet below site grade. EWMA collected a total of four (4) soil samples (EDC1-

T2A through EDC1-T2D) for NYSDEC STARS volatile and semi-volatile organic compounds and priority pollutant metal analysis.

The results of soil sampling performed in the area of the out-of-service UST located to the west of the subject building revealed concentrations of semi-volatile organic compounds that exceed the NYSDEC RSCO. Additionally, zinc, copper and cadmium were detected at concentrations that exceed both the NYSDEC RSCO and the USEPA Eastern USA Regional Background. Contaminant concentrations which exceed the NYSDEC RSCO and the USEPA Eastern USA Regional Background were detected within two feet of ground water.

Temporary ground water sampling points (PPNDPs) were installed within former soil boring locations EDC1-T2A and EDC1-T2D and EWMA collected ground water samples T2A-GW and T2D-GW. Ground water samples T2A-GW and T2D-GW were analyzed for NYSDEC STARS volatile and semi-volatile organic compounds and priority pollutant metals. The results of ground water sampling revealed concentrations of volatile organic, semi-volatile organic and priority pollutant metals above the applicable NYS Class GA GWS.

EWMA recommended the removal of the out-of-service 275-gallon waste oil UST system and any associated impacted soils. EWMA recommended that the appropriate endpoint samples be collected following the removal of the UST system and associated impacted soils. EWMA proposed the installation, surveying and sampling of a permanent monitoring well to further investigate groundwater quality in the area of the out-of-service 275-gallon waste oil UST system. The NYSDEC conditionally approved EWMA's proposal in their correspondence dated June 12, 2000.

4.4.2) 2001 UST Closure Activities

On September 27, 2001, an EWMA representative was onsite to document the uncovering, emptying, cleaning and removal of the 275-gallon capacity waste oil UST. One vent pipe and two fill ports were connected to the westernmost 275-gallon waste oil UST system and were removed. Approximately two (2) linear feet of fill port piping were also removed. Representatives of EWMA performed the excavating activities. Excavation activities in the area of the 275-gallon capacity waste oil UST were limited vertically by the presence of a sanitary sewer pipe located approximately six feet b.s.g. directly beneath the UST, to the west by additional utilities located within the Warehouse Lane access road and to the east by the building wall.

Soils covering the 275-gallon capacity waste oil UST were field screened with a PID and excavated to expose the top of the UST and facilitate waste removal and interior cleaning. Soils covering the 275-gallon capacity waste oil UST were field determined to

be suitable for re-use as backfill following UST system removal and soil excavation activities.

The top of the 275-gallon UST was encountered at 3 feet b.s.g. The associated fill piping was encountered at 1.5 feet b.s.g. Following exposure and opening of the UST, representatives of LORCO removed any residual sludge and squeegeed the interior. Residual tank sludge waste was disposed of at a licensed disposal facility. A total of 1,025 gallons of water, waste oil and sludge were removed from the tank and the excavation.

Upon removal from the ground, the steel tank was measured to be 4 feet long and 3 feet in diameter, and the tank's invert was measured at 4.5 feet b.g.s. Inspection of the UST revealed evidence of heavy pitting and corrosion. No holes were noted in the UST. Product and ground water were noted within the UST excavation. Representatives of LORCO recovered product-impacted ground water from the excavation. The UST and excavation were inspected by representatives of the WCHD.

EWMA personnel screened the exposed soils with a PID. Visually stained soils and soils exhibiting elevated PID readings were removed from the excavation and loaded directly onto trucks for offsite disposal. Visually impacted soils were also noted beneath the piping and were excavated for offsite disposal. Upon removal of the tank, the excavation was expanded in all directions in an effort to remove all stained soil that was observed at the bottom and sidewalls of the excavation. A total of 117-tons of field determined impacted soils were removed from the excavation and loaded onto trucks for disposal at the Carteret Biocycle Corporation of Carteret, New Jersey.

During the excavation activities, EWMA noted free product seeping from beneath the building foundation into the excavation; however at the time of removal, no holes were noted in the 275-gallon UST system. Oily water was noted within the bottom of the excavation at 10 feet b.s.g. The final excavation measured 19 feet long by 16 feet wide by 10 feet deep.

Soils encountered during excavation activities generally consisted of brown medium to fine sands and silts with little fine gravel from 0 to 9 feet b.s.g. Ground water was encountered at 10 feet b.s.g. Historic fill materials were not encountered.

A WCHD representative inspected the UST and corresponding excavation and approved backfilling activities. Approximately 170 tons of certified clean fill from Tilcon New York, Inc. of West Nyack, New York was used to return the excavation to grade.

A total of four (4) endpoint soil samples (AOC4-EX-1 through AOC4-EX-4) were collected for total petroleum hydrocarbons, priority pollutant metals, PCBs, and NYSDEC STARS volatile and semi-volatile organic compounds. Since ground water

was encountered at the base of the excavation, soil samples were collected from the excavation sidewalls and not the excavation base. Soil samples AOC4-EX-1 through AOC4-EX-4 were collected at a depth of 9.5 to 10 feet b.s.g., corresponding to the 0-6 inch interval above ground water. Soil samples exhibiting results in exceedance of NYSDEC RSCO and/or NYSDEC SCO-C are shown in **Figure 7**.

The results of laboratory analysis for the endpoint soil samples AOC4-EX-1 through AOC4-EX-4, revealed the following exceedences of the NYSDEC RSCO (the corresponding criteria are listed parenthetically).

- AOC4-EX-1: total xylenes at 18.6 ppm (1.2 ppm); 1,3,5 trimethylbenzene at 16.1 ppm (3.3 ppm); 1,2,4 trimethylbenzene at 32.6 ppm (10 ppm); chromium at 28.9 ppm (10 ppm or SB); copper at 33.1 ppm (25 ppm or SB); nickel at 13.2 ppm (13 ppm or SB); and zinc at 199 ppm (20 ppm or SB).
- AOC4-EX-2: benzo(a)anthracene at 5.74 ppm (0.224 ppm); chrysene at 6.12 ppm (0.4 ppm); benzo(b)fluoroanthene at 3.49 ppm (1.1 ppm); benzo(k)fluoroanthene at 2.22 ppm (1.1 ppm); benzo(a) pyrene at 3.68 ppm (0.061 ppm); dibenze(a,h)anthracene at 0.961 ppm (0.0143 ppm); cadmium at 2.79 ppm (1 ppm or SB); chromium at 34.4 ppm (10 ppm or SB); copper at 115 ppm (25 ppm or SB); mercury at 0.642 ppm (25 ppm or SB); lead at 1,250 ppm (SB of 200 to 500 ppm); nickel at 64.9 ppm (13 ppm or SB); and zinc at 1,710 ppm (20 ppm or SB).
- AOC4-EX-3: benzo(a)anthracene at 0.292 ppm (0.224 ppm); dibenzo(a,h)anthracene at 0.0948 ppm (0.0143 ppm); benzo(a)pyrene at 0.227 ppm (0.061 ppm); beryllium at 105 ppm (0.16 ppm or SB); chromium at 31.8 ppm (10 ppm or SB); copper at 50.4 ppm (25 ppm or SB); nickel at 27.8 ppm (13 ppm or SB); and zinc at 341 ppm (20 ppm or SB).
- AOC4-EX-4: chromium at 19.3 ppm (10 ppm or SB); nickel at 15.3 ppm (13 ppm or SB); and zinc at 41.8 ppm (20 ppm or SB).

With the exception of AOC4-EX-1, no sample result was in exceedance of NYSDEC SCO-C. The results of laboratory analysis for soil sample AOC4-EX-1 revealed the following exceedences of the SCO-C (the corresponding criteria are listed parenthetically).

- AOC4-EX-2: benzo(a)anthracene at 5.74 ppm (5.6 ppm); benzo(a) pyrene at 3.68 ppm (1 ppm); dibenz(a,h)anthracene at 0.961 ppm (0.56 ppm); and lead at 1,250 ppm (1000 ppm).

The results of the soil sampling event are summarized in **Table 4**.

4.4.3) October 2002 Delineation Soil Borings

On October 23 and 24, 2002, an EWMA representative supervised the installation of five soil borings (SS-4, SS-5, SS-6, SS-7 and SS-15) west and south of the former 275-gallon capacity waste oil UST west of the subject building to delineate contamination west and south of endpoint samples AOC4-EX-2 and AOC4-EX-1. Delineation and post-excavation soil boring locations are depicted in **Figure 7**.

The soil borings were installed using a Geoprobe™ drill rig and samples were collected for NYSDEC STARS semi-volatile organic compound analysis (SS-4, SS-6, SS-7 and SS-15) and NYSDEC STARS volatile organic compound analysis (SS-5). Soil samples were collected from the 0 to 6 inch interval above ground water, which was generally encountered between 10 and 11 feet b.s.g.

Delineation activities to the west along the Warehouse Lane access road were limited by the proximity of utilities.

The results of sample analysis at soil boring locations SS-5, SS-7 and SS-15 were below the NYSDEC RSCO. The results of sample analysis at boring locations SS-4 and SS-6 revealed the following exceedences of the NYSDEC RSCO (the corresponding criteria are listed parenthetically). The results of the sampling event are summarized within **Table 6.**

- SS-4: chrysene at 0.424 ppm (0.4 ppm); dibenz(a,h)anthracene at 0.0821 ppm (0.0143 ppm); benzo(a)anthracene at 0.397 ppm (0.224 ppm); benzo(a)pyrene at 0.352 ppm (0.061ppm).
- SS-6: benzo(a)pyrene at 0.0659 ppm (0.061 ppm).

All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses. The results of the sampling event are summarized within **Table 4**. Soil samples exhibiting results in exceedance of NYSDEC RSCO and/or NYSDEC SCO-C are shown in **Figure 7**.

4.4.4) Ground Water Sampling

Monitoring well MW-4 was installed within the former 275-gallon capacity waste oil UST excavation on October 22, 2002. An EWMA representative sampled MW-4 for volatile and semi-volatile organic compounds, polychlorinated biphenyls (PCBs), and both unfiltered and filtered priority pollutant metals on November 12, 2002 and December 12, 2002. A heavy sheen that included visible ‘beads’ of immiscible free phase product was encountered prior to purging within MW-4 during the November 12, 2002 and December 12, 2002 sampling events.

The results of laboratory analysis of the ground water samples collected on November 12, 2002, revealed concentrations of benzene (4.86 ppb), ethylbenzene (10.2 ppb), total

xylenes (8.82 ppb), isopropylbenzene (6.87 ppb), n-propylbenzene (12.5 ppb), 1,2,4-trimethylbenzene (18.6 ppb), n-butylbenzene (5.22 ppb), naphthalene (31.3 ppb), benzo(a)anthracene (0.343 ppb), chrysene (0.973 ppb), arsenic (30 ppb), and lead (90 ppb).

The results of laboratory analysis of the ground water samples collected on December 12, 2002, revealed concentrations of benzene (1.33 ppb), naphthalene (13.6 ppb), benzo(a)anthracene (0.472 ppb), chrysene (0.886 ppb), arsenic (50 ppb), and lead (42.7 ppb). Historical ground water sampling results are summarized on **Table 2** and **Figure 8**.

4.4.5) July 2003 VCP FIR Recommendations

EWMA recommended that no further action be required with regard to the soils impacted by the former 275-gallon capacity waste oil UST system west of the subject building, pursuant to subparagraph I.G.1 of the VCA, based on the following information:

1. The removal and disposal of over 1,025-gallons of aqueous material and 117 tons of residually impacted soils has effectively eliminated the majority of the source of ground water contamination in the area of the former 275-gallon capacity waste oil UST system;
2. With one exception, priority pollutant metals detected within the endpoint samples are at concentrations considered background for the property and the surrounding area;
3. The results of delineation sampling indicate that impacted soils above SCO-C in the area of EX-2 are limited in area;
4. Excavation and investigation are limited vertically by the presence of a sanitary sewer pipe located approximately six feet b.s.g. directly beneath the UST, to the west by additional utilities are located within the Warehouse Lane access road, and to the east by the building wall;
5. Contaminant concentrations in ground water only slightly exceed their respective NYS Class GA GWS.

EWMA also recommended that, pursuant to subparagraph I.G.2 of the VCA, an Assignable Release and Covenant Not To Sue be granted in the form set forth in Exhibits D and D-1, respectively, to the VCA.

With regard to ground water, EWMA recommended that four quarterly rounds of ground water sampling be conducted to monitor concentrations of volatile and semi-volatile organic compounds at MW-4. The NYSDEC concurred with the ground water monitoring program recommendation in their November 3, 2003 correspondence.

The results of the ground water monitoring program performed from August 2004 through May 2008 are further discussed in Sections 6.0 and 9.0-9.2 of this report.

4.5) AOC 5 - FORMER 10,000-GALLON CAPACITY GASOLINE UST EXCAVATION

Review of historic documents revealed that a 10,000-gallon gasoline UST was formerly located south of the southwestern corner of the subject building. EWMA noted the vent pipe for the former 10,000-gallon gasoline UST at the southwestern corner of the subject building during the 1996 inspection.

A Westchester County Bureau of Environmental Quality (WCBEQ) Field Activity Report was reviewed as part of EWMA's due diligence activities in 1996. According to the WCBEQ Field Activity Report, the former 10,000-gallon gasoline UST failed a tightness test in February of 1989.

4.5.1) 1996 – 1997 Investigation Activities

On December 3 and 4, 1996, EWMA observed the installation of soil borings for the collection of soil samples in the area of the former 10,000-gallon capacity gasoline UST location using a Geoprobe™ drill rig. Soil samples were obtained from each boring at approximately 6 inches below the suspected former invert of the 10,000-gallon gasoline UST, or approximately 6.5 to 7 feet below site grade. EWMA collected a total of four (4) soil samples (EDC1-T3A through EDC1-T3D) for NYSDEC STARS volatile and semi-volatile organic compound analysis.

The results of soil sampling performed in the area of the former gasoline UST revealed concentrations of ethylbenzene, total xylenes, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and naphthalene that exceeded the NYSDEC TCLP Alternative Guidance Values. Contaminant concentrations that exceeded the NYSDEC TCLP Alternative Guidance Values were detected within soil samples obtained within two feet of ground water. EWMA notes that comparison of the 1996 results to the current NYSDEC SCO-C and the RSCO reveals no exceedences of the current SCO-C criteria.

EWMA collected one groundwater sample from a temporary ground water sampling point installed within soil boring location EDC1-T2D. Ground water sample T2D-GW was analyzed for volatile and semi-volatile organic compounds. The results of ground water sampling revealed concentrations of methyl tertiary-butyl ether (MTBE), benzene, tetrachloroethene and naphthalene that exceeded the NYS Class GA GWS.

EWMA initially proposed that residually impacted soil in the area of the former 10,000-gallon capacity gasoline UST be excavated. However, it was later decided that, given the change to the NYSDEC RSCO, confirmatory sampling would be performed at former sampling locations EDC1-T3A and EDC1-T3B, which had previously exhibited the most elevated contaminant concentrations. EWMA proposed the installation, surveying and sampling of one permanent monitoring well to further investigate groundwater quality.

The NYSDEC conditionally approved EWMA's proposal in their correspondence dated June 12, 2000.

4.5.2) October 2002 Delineation Soil Borings

On October 23 and 24, 2002, EWMA supervised the installation of five soil borings (SS-1, SS-2, SS-3, SS-14 and SS-16) using a Geoprobe™ drill rig to investigate soil quality in the area of the former 10,000-gallon capacity gasoline UST. Delineation activities to the west along the Warehouse Lane access road and to the south along Warehouse Lane were limited by the proximity of utilities and by the access road itself.

Boring SS-1 was installed to confirm current soil quality at former sample location EDC1-T3A. Similarly, boring SS-3 was installed to confirm current soil quality at former sample location EDC1-T3B. SS-2 and SS-14 were installed to investigate soil quality east of the former 10,000-gallon capacity gasoline UST. Soil boring SS-16 was installed to investigate soil quality south of the former 10,000-gallon capacity gasoline UST.

Soils were visually assessed for evidence of contamination and examined with a PID. A petroleum substance was noted on the drilling rods at a depth of 7 to 8 feet b.s.g. during the advancement of boring SS-2. Soil sample SS-2 was collected from the 7 to 7.5 feet b.s.g. interval. The maximum PID reading at the SS-2 was recorded at 396 meter units from soils obtained from the 4 to 8 feet b.s.g. depth interval.

Evidence of staining and a strong odor were noted at the 9.5 to 10 feet and the 9 to 16 feet intervals b.s.g at boring location SS-3. Soil sample SS-3 was collected from the 9.5 to 10 feet b.s.g. interval. The maximum PID reading at the SS-3 was recorded at 490 meter units from soils obtained from the 8.5 to 9 feet b.s.g. depth interval.

Ground water with a heavy sheen was encountered at 7 feet b.s.g. at soil boring SS-14. Soil sample SS-14 was collected from the 6.7 to 7 feet b.s.g. interval. Elevated PID readings were not recorded at the SS-14 location.

Soil samples SS-1, SS-2, SS-3, SS-14 and SS-16 were collected for NYSDEC STARS volatile organic compound analysis. The results of sample analysis at soil boring locations SS-1, SS-2, SS-14 and SS-16 were below the NYSDEC RSCO. The results of sample analysis at boring location SS-3 revealed 5.1 ppm of total xylenes which exceeds the NYSDEC RSCO of 1.2 ppm. All samples exhibited contaminants at concentrations that were below their respective SCO-C for all analyses. The results of the sampling event are summarized in **Table 5**. Soil sampling locations of SS-1, SS-2, SS-3, SS-14, and SS-16 are depicted in **Figure 7**. Soil samples exhibiting results in exceedance of NYSDEC RSCO and/or NYSDEC SCO-C are shown in **Figure 7**.

4.5.3) Ground Water Sampling

Monitoring well MW-3 was installed within the former 10,000-gallon capacity gasoline UST excavation on October 22, 2002. An EWMA representative sampled MW-3 for volatile and semi-volatile organic compounds and both unfiltered and filtered lead on November 12, 2002. On December 12, 2002, an EWMA representative sampled MW-3 for volatile and semi-volatile organic compounds and both unfiltered and filtered priority pollutant metals. A heavy sheen was encountered prior to purging within MW-3 during the November 12, 2002 and December 12, 2002 sampling events.

The results of laboratory analysis for the samples collected on November 12, 2002 revealed concentrations of MTBE (21.6 ppb), benzene (84.4 ppb), toluene (6.87 ppb), ethylbenzene (76.7 ppb), total xylenes (45.6 ppb), isopropylbenzene (53.3 ppb), n-propylbenzene (115 ppb), 1,3,5-trimethylbenzene (8.82 ppb), 1,2,4-trimethylbenzene (20.5 ppb), sec-butylbenzene (9.34 ppb), n-butylbenzene (21.1 ppb), naphthalene (95.6 ppb), acenaphthene (52.3 ppb), benzo(a)anthracene (0.284 ppb), benzo(b)fluoroanthene (0.524 ppb), chrysene (0.14 ppb), and lead (56 ppb).

The results of laboratory analysis for the samples collected on December 12, 2002 revealed concentrations of MTBE (46.4 ppb), benzene (94.1 ppb), toluene (11.1 ppb), ethylbenzene (97.6 ppb), total xylenes (99.7 ppb), isopropylbenzene (52.9 ppb), n-propylbenzene (113 ppb), 1,3,5-trimethylbenzene (13.9 ppb), 1,2,4-trimethylbenzene (36.6 ppb), sec-butylbenzene (10.2 ppb), n-butylbenzene (22.9 ppb), naphthalene (106 ppb), acenaphthene (56.2 ppb), benzo(a)anthracene (1.18 ppb), benzo(b)fluoroanthene (0.524 ppb), benzo(a)pyrene (0.440 ppb), chrysene (1.62 ppb), and lead (68.4 ppb). Historical ground water sampling results are summarized in **Table 2** and **Figure 8**.

4.5.4) July 2003 VCP FIR Recommendations

Since only one contaminant was detected in soils at a level above the NYSDEC RSCOs in this area, soil contamination in this area appears to be limited in size. Based on this, EWMA did not recommend any further action with regard to soils. Furthermore, no contaminants were detected at levels in exceedance of NYSDEC SCO-C. However, based upon the presence of ground water contamination at MW-3 and the field indications of potential free product contamination noted downgradient to the east (borings SS-2 and SS-14), EWMA recommended that an additional monitoring well (MW-5) be installed in the location just east of SS-14 to monitor ground water downgradient of this area.

EWMA also recommended that, following the installation of MW-5, quarterly ground water sampling be conducted to monitor concentrations of volatile and semi-volatile organic compounds and lead at MW-3 and MW-5.

The NYSDEC, in their November 4, 2003 correspondence, concurred with the ground water monitoring program recommendation. The results of the ground water monitoring program performed from August 2004 through May 2008 are further discussed in Sections 6.0 and 9.0-9.2 of this report.

4.6) AOC 6 - INTERIOR OIL STAINING

EWMA noted a floor drain located in the easternmost J.P. Truck repair bay. Moderate to heavy oil staining in an area of the concrete floor proximate to the floor drain was observed during the 1996 inspection. The concrete floor was additionally noted to be in moderate to poor condition.

Numerous petroleum products associated with truck maintenance operations were noted within the subject building including engine oil, antifreeze, waste oil, and lubricating oil as well as numerous small containers of products including brake fluid, windshield washer fluid, spray lubricants, and other products associated with vehicle maintenance. EWMA additionally noted one Safety-Kleen degreaser unit. Waste oils and spent degreaser fluids are removed from the property for disposal by Safety-Kleen.

Review of the 1959 site map provided by Robert Martin indicates that the floor drains within the subject building are connected to an oil/water separator which drained oil to the 275-gallon capacity waste oil UST located on the eastern side of the subject building. The floor drain discharge is depicted on the 1959 site map as entering the storm sewer that exits the subject property. The storm sewer discharge point is not depicted on the 1959 site map and is presumed to be the Saw Mill River.

EWMA recommended the following with regard to the stained area:

1. The oil stained service bay floor shall be steam cleaned to eliminate oil stained areas;
2. Following steam cleaning activities, the floor shall be inspected for cracks, breaches or other signs of failed integrity;
3. The potential impacts to the subject property from the floor drain system should be evaluated through the performance of a site-wide ground water investigation;
4. The floor drains in the stained area should be sealed with concrete to prevent any additional potential impacts to the subsurface.

The NYSDEC conditionally approved EWMA's proposal during a September 2, 1999 meeting between EWMA and the NYSDEC.

4.6.1) 1998 Steam Cleaning & Dye Testing Activities

On July 2, 1998, the floor within the easternmost J.P. Truck repair bay was steam cleaned by representatives of Inland Pollution Services, Inc. of Elizabeth, New Jersey. The floor was subsequently re-inspected on August 20, 1998. While the floor was found to be in

poor condition, no penetrating cracks were noted and the integrity of the floor appeared to be intact. Three drums of floor cleaning effluent were generated and properly disposed of in accordance with all local, state and federal requirements.

On August 20, 1998, EWMA representatives performed a dye test on the floor drain that had been located within the oil stained area. All sanitary sewer manways and sewer cleanouts were opened prior to the performance of the dye test. At the commencement of the test, a non-toxic bright fluorescent dye was mixed with an appropriate volume of water and introduced into the floor drain. The drain was then flushed with water. The Saw Mill River and all sanitary sewer manways were inspected for evidence of the dye.

The dye was not noted within the adjacent Saw Mill River or the sanitary sewer manways during the August 20, 1998 test. The dye was only noted within a concrete sanitary sewer cleanout box which is located between the sanitary sewer line coming in from the subject building ("influent") and the sanitary sewer line leading to the municipal sanitary sewer system ("effluent"). At the time of the dye test, the water level within the cleanout box was above the influent pipe.

EWMA did not observe the dye entering the cleanout box through the influent line. Rather, the dye was noted entering the cleanout box from a crack in the southeast corner of the box. However, since the influent line was under water, it could not be absolutely determined that the dye did not enter the box through the influent line.

EWMA repeated the dye test on October 5, 1998 to conclusively determine if the dye was entering the sanitary sewer cleanout box through the influent line. The October 5, 1998 dye test was generally performed in the same manner as the August 20, 1998 dye test. However, this time the cleanout box was pumped of all liquid prior to the initiation of the dye test. EWMA representatives clearly observed the dye entering the cleanout box through a crack in the southeast corner of the box during the October 5, 1998 dye test. No dye was observed entering the cleanout box through the influent line. The dye was not noted within the sanitary sewer manways during the October 5, 1998 test.

The lack of dye within the Saw Mill River is evidence that the floor drains within the subject building do not discharge to the storm sewer system that was depicted on the 1959 site map.

The appearance of the dye within a crack in the cleanout box indicates that there is a breach in the piping between the floor drain and the cleanout box. John Palermo, a representative of J.P. Truck, indicated that the area around the floor drain had to be pumped periodically after storm events due to flooding within the truck service area.

Based upon the above information, it appears that the dye was flushed through the floor drain and out of a breach in the piping. The dye likely followed the path of least

resistance through the fill material surrounding the influent line until it reached the cleanout box where it entered through the crack in the southeast corner of the cleanout box. The southeast corner of the cleanout box corresponds to the direction of the floor drain where the dye was introduced.

Based upon the potential that hazardous substances have discharged through the onsite floor drain system into the soil and groundwater, EWMA recommended that a groundwater investigation be performed through the installation of monitoring wells.

Following EWMA's recommendation above, floor drains were sealed with concrete to eliminate the contaminant migration pathway.

4.6.2) Ground Water Investigation

Monitoring wells MW-1 through MW-4 were sampled on November 12, 2002 and December 12, 2002. The results of monitoring well sampling revealed concentrations of volatile organic compounds, semi-volatile organic compounds and priority pollutant metals which exceed the NYS Class GA GWS. Additionally, the results of EWMA's ground water investigation revealed heavy sheens on ground water within monitoring wells MW-3 and MW-4.

4.6.3) July 2003 VCP FIR Recommendations

Floor drain systems, which formerly included the use of an oil/water separator, have been operated at the property since the early 1960s or earlier. After more than forty years of operation, no measurable free product has been detected in monitoring wells installed around the subject building. This indicates that while some discharges from the floor drain system have clearly occurred, the impacts of the system have been limited. Based on this information, and the fact that the floor drains have been sealed with concrete, EWMA recommended that the potential effects of the former floor drain system be evaluated through the quarterly ground water sampling program. If measurable free product was detected during the quarterly sampling events, EWMA indiacted that it would be fingerprinted to determine if it originated from waste oils which may have been introduced into the floor drain system or a discharge from a former onsite UST.

The NYSDEC, in their November 4, 2003 correspondence, concurred with the ground water monitoring program recommendation. The results of the ground water monitoring program performed from August 2004 through May 2008 are further discussed in Sections 6.0 and 9.0-9.2 of this report.

4.7) AOC 7 - 1,500-GALLON CAPACITY FUEL OIL AST – NORTH OF BUILDING

The 1,500-gallon capacity fuel oil AST was located north of the subject building. The AST stored fuel oil used to heat the 1 Warehouse Lane building.

4.7.1) 2001 AST Closure Activities

Since the AST was no longer in-use, it was cleaned and removed on October 17, 2001. The 1,500-gallon capacity fuel oil AST was emptied and cleaned, and the contents of the tank, including wastes generated from tank cleaning, were removed and disposed offsite by Clean Venture. A total of 76-gallons of fuel oil and sludge were removed from the tank. No discharge was noted in the concrete dike area where the AST was located. The concrete dike and underlying soils were removed and disposed of during the remediation of impacted soils associated with the 2,000-gallon capacity fuel oil UST encountered on the north side of the building (see Section 4.8).

4.7.2) July 2003 VCP FIR Recommendations

No discharge was noted in the concrete dike area where the AST was located. The concrete dike and underlying soils were removed and disposed of during the remediation of impacted soils associated with the 2,000-gallon capacity fuel oil UST encountered on the north side of the building (See section 4.8). Since the results of endpoint sampling within the 2,000-gallon capacity fuel oil UST excavation (which encompassed the former AST location) indicated non-detectable contaminant concentrations, EWMA recommended that no further action be required with regard to the former 1,500-gallon capacity fuel oil AST, pursuant to subparagraph I.G.1 of the VCA. EWMA additionally requested that, pursuant to subparagraph I.G.2 of the VCA, an Assignable Release and Covenant Not To Sue be granted in the form set forth in Exhibits D and D-1, respectively, to the VCA.

4.8) AOC 8 - 2,000-GALLON CAPACITY FUEL OIL UST – NORTH OF BUILDING

This UST was discovered during the removal of the above referenced 1,500-gallon capacity fuel oil AST at the property.

4.8.1) 2001 UST Closure Activities

This UST was discovered during the removal of the above referenced 1,500-gallon capacity fuel oil AST at the property. On October 17, 2001, an EWMA representative was onsite to supervise the uncovering, emptying, cleaning and removal of the 2,000-gallon capacity fuel oil UST. Representatives of EWMA performed excavation activities. Approximately five (5) linear feet of feed and return piping was encountered during the removal of the northern 2,000-gallon capacity fuel oil UST.

Soils covering the 2,000-gallon capacity fuel oil UST were field screened with a PID and excavated to expose the top of the UST and facilitate waste removal and interior cleaning. Soils covering the 2,000-gallon capacity fuel oil UST were field determined to be suitable for re-use as backfill following UST system removal and soil excavation activities.

The top of the 2,000-gallon UST was encountered at 3 feet b.s.g. Following exposure and opening of the UST, representatives of Clean Venture, Inc. removed any residual sludge and squeegeed the interior. Residual tank sludge waste was disposed of at a licensed disposal facility. A total of 1,132-gallons of water, fuel oil and sludge were removed from the tank.

Upon removal from the ground, the steel tank measured 12 feet long and 64 inches in diameter, and the tank's invert was measured at 8.5 feet below ground surface (b.g.s). Inspection of the UST revealed evidence of moderate pitting and corrosion. No corrosion holes were noted. The UST and excavation were inspected by representatives of the WCHD.

EWMA personnel screened the exposed soils with a PID. Visually stained soils and soils exhibiting elevated PID readings were removed from the excavation and loaded directly onto trucks for offsite disposal. Upon removal of the tank, the excavation was expanded in all directions in an effort to remove all stained soil that was observed at the bottom and sidewalls of the excavation. The excavation was ultimately expanded to the north, east and west. Approximately 204.98 tons of field determined impacted soils were removed from the excavation and loaded directly onto trucks for disposal at the Carteret Biocycle Corporation of Carteret, New Jersey. The final excavation measured 40 feet long by 15 feet wide by 9 feet deep.

Soils encountered during excavation activities generally consisted of brown fine to medium sands and silts with little fine gravel from 0 to 9 feet b.s.g. Ground water was not encountered within the 2,000-gallon fuel oil excavation.

A WCHD representative inspected the UST and corresponding excavation and approved backfilling activities. Approximately 154.07 tons of certified clean fill from Tilcon New York, Inc. of West Nyack, New York were used to return the excavation to grade.

A total of seven endpoint samples (NT-PE-1b through NT-PE-7) were collected for NYDEC STARS volatile and semi-volatile organic compound analysis. Endpoint samples NT-PE-2 through NT-PE-7 were collected at a depth of 9.0 to 9.5 feet b.s.g., corresponding to the 0-6 inch interval below the former UST portion of the excavation. Endpoint sample NT-PE-1b was collected at a depth of 9.0 to 9.5 feet b.s.g. corresponding to the 0-6 inch interval below the piping run portion of the excavation.

The results of laboratory analysis for the endpoint soil samples NT-PE-1b through NT-PE-7, shown in **Table 6**, revealed non-detectable contaminant concentrations. Soil sample locations are depicted on **Figure 7**.

4.8.2) July 2003 VCP FIR Recommendations

Since the results of endpoint sampling indicated non-detectable contaminant concentrations, EWMA recommended that no further action be required with regard to the former 2,000-gallon capacity fuel oil UST north of the subject building, pursuant to subparagraph I.G.1 of the VCA. EWMA additionally requested that, pursuant to subparagraph I.G.2 of the VCA, an Assignable Release and Covenant Not To Sue be granted in the form set forth in Exhibits D and D-1, respectively, to the VCA.

5.0) SAW MILL RIVER SAMPLING

On March 8, 2006 representatives of EWMA collected a total of five surface water samples under the oversight of Mr. Michael MacCabe of the NYSDEC. Stream samples were collected from the Saw Mill River pursuant to the NYSDEC Division of Fish, Wildlife & Marine Resources correspondence dated February 17, 2005.

EWMA collected a total of five surface stream samples (SM-1 through SM-5) along the western side of the Saw Mill River. Sample locations are depicted in **Figure 9**. Samples were analyzed for STARS VOCs, SVOCs, arsenic and lead and compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS). Surface water sample results exhibited non-detectable contaminant concentrations for SVOC, lead, arsenic and VOCs with the exception of methyl tert-butyl ether (MTBE), which was detected at trace concentrations ranging from 0.342 ppb to 0.419 ppb. These concentrations are well below the NYSDEC TOGS of 51,000 ppb. Results of the March 8, 2006 surface water sampling are summarized in **Table 7**.

Surface water samples collected from the Saw Mill River exhibited results well below the NYSDEC TOGS. Given that there were no visual or analytical indications of contamination discharging from 1 Warehouse Lane (the Property) into the Saw Mill River and that trace amounts of MTBE were revealed at levels not exceeding chronic and/or acute guidance values for aquatic life in the upstream, sidegradient and downstream samples, EWMA, in its June 30, 2006 correspondence to the NYSDEC, indicated that no further action was warranted concerning the Saw Mill River. The NYSDEC, in their August 8, 2006 correspondence, concurred with the recommendation of no further action regarding the Saw Mill River.

6.0) QUARTERLY GROUND WATER SAMPLING

EWMA performed quarterly ground water in accordance with the recommendations outlined within EWMA's July 2003 VCP FIR as conditionally approved by the NYSDEC and NYSDOH in their November 4, 2003 letter. Quarterly monitoring well sampling activities were performed on 8/12/04, 11/11/04, 2/10/05, and 5/20/05. These sampling activities were reported to the NYSDEC in the Quarterly Progress Reports dated November 15, 2004 (documenting the 8/12/04 sampling event), March 15, 2005 (documenting the 11/11/04 sampling event), and December 28, 2005 (documenting the 2/10/05 and 5/20/05 sampling events). A summary of ground water sampling results is included as **Table 2** and **Figure 8** and graphs depicting the historical concentration trends are shown as **Appendix 2**.

During each event, monitoring wells MW-1 through MW-5 were gauged for floating product prior to sampling events using a product level indicator. Water level measurements were recorded before and after purging activities, and prior to sampling activities using a water level indicator. Prior to well purging activities, a headspace reading was obtained from each well using a PID. Representative samples were obtained from each of the three purge volumes and tested for pH, dissolved oxygen, temperature, and specific conductivity. Field analysis was performed using a Horiba water lab.

Groundwater samples were obtained from the wells using dedicated disposable Teflon bailers. Groundwater samples were placed in laboratory supplied amber glass jars with Teflon-lined lids and were kept on ice in a cooler maintained at 4°C until delivery to IAL.

In accordance with the NYSDEC's November 4, 2003 letter, monitoring well specific parameters are outlined below:

Monitoring Well	Parameters	Area of Concern
MW-1	Benzene, Arsenic & Lead	4,000-gallon diesel UST Excavation
MW-2	N.Y. Stars Volatile & Semi-volatile Organic Compounds	275-gallon UST excavation located east of the building
MW-3	N.Y. Stars Volatiles, Semi-volatile Organic Compounds & Lead	10,000-gallon gasoline UST excavation
MW-4	N.Y. Stars Volatiles, Semi-volatile Organic Compounds, Arsenic & Lead	275-gallon waste oil UST west of the subject building
MW-5	N.Y. Stars Volatiles, Semi-volatile Organic Compounds & Lead	Downgradient from the former location of the 10,000-gallon gasoline UST

Findings and trends for each of the monitoring wells sampling rounds are discussed below.

MW-1: The samples collected from this well in August 2004, November 2004, February 2005, and May 2005 indicate no analyzed constituents above the New York State Groundwater Standards.

MW 2: May 2005 groundwater sample results indicate four compounds (benzene, total xylenes, naphthalene and acenaphthalene) detected just above their respective standards which is consistent with previous data.

MW-3: The February and May 2005 groundwater results show a significant fluctuation in lead from below its standard of 9.28 ppb on 2/10/05 to 120 ppb on 5/20/05. The increase in the lead concentration may be due to increased turbidity in the sample collected during the May 2005 event. Semi-volatile concentrations have decreased over time resulting in only two contaminants slightly over standard. Groundwater results for volatile organics have fluctuated over time; however, quarterly sampling has shown an overall decrease in contaminant concentrations since the initial groundwater sampling in 2002. The ground water sampling results from monitoring wells MW-1 and MW-2, located downgradient of MW-3, confirm that the extent of the contamination noted in MW-3 is limited.

MW-4: Groundwater sample results indicate benzene is the only VOC compound detected slightly above its standard in 2005. Lead concentrations decreased and in the May 2005 sampling event, met the standard. Semi-volatiles were detected within sample MW-4 Dup were slightly above the groundwater standards. The 2005 data illustrates a significant decrease in the number of contaminants in exceedance of GWQC as compared with 2002 sample data. This data continues to indicate remedial efforts in the area of the former waste oil tank (east side of building) have been successful.

MW-5: Groundwater sample results exhibited a slight increase in volatiles and significant decrease in SVOCs. The increase in benzene concentrations may be indicative of the migration of contamination from the area of MW-3. Nine SVOC compounds were detected above their respective groundwater standards in the August 2004 sampling. Only one was detected above the standard in subsequent sampling. This is a continuation of a downward trend. This well is downgradient with respect to groundwater flow of the building, the former 10,000-gallon gasoline UST and former 275-gallon waste oil UST (see **Figure 6**).

Overall groundwater quality has improved in response to the comprehensive site remediation, which included the removal of four underground storage tanks and over 2,400 tons of petroleum-affected soil. Groundwater sampling at the downgradient monitoring wells, MW-2 and MW-1, confirms that the contamination has not migrated significantly. The relatively low contaminant concentrations confirm the effectiveness of the source removal activities, and the appropriateness of monitored attenuation as the

remedial action. No free floating product or impact from the interior building operations has been detected.

Based on findings in the December 28, 2005 Quarterly Progress Report, EWMA recommended that semi-annual groundwater monitoring be conducted for one more year to continue to monitor the ongoing degradation of the contamination. EWMA also recommended that potential offsite upgradient contributions to the contaminants detected onsite be evaluated through the installation and sampling of one additional monitoring well, MW-6, at the topographically upgradient 3 Warehouse Lane property occupied by UPS. The NYSDEC approved EWMA's recommendations.

The installation of monitoring well MW-6, and the results of two additional rounds of ground water sampling conducted at all onsite wells and the new offsite well MW-6 are discussed in the following Sections of this report.

7.0) TECHNICAL OVERVIEW

Sampling activities were performed in accordance with the NYSDEC 1992 *Sampling Guidelines & Protocols* document and EWMA's QA/QC methodology. Integrated Analytical Laboratories, LLC of Randolph, NJ (IAL), a New York certified laboratory (Cert. #11402), analyzed samples.

Monitoring well installation activities were completed by licensed representatives of Summit Drilling Company, Inc. of Bridgewater, New Jersey.

Ground water samples were collected using disposable polyethylene rope and Teflon bailers. Samples were placed in pre-cleaned amber glass bottles with Teflon-lined caps. The samples were placed in a cooler maintained at 4°C in order to ensure proper preservation. Proper chain of custody documentation was maintained until delivery to IAL for analysis.

In accordance with NYSDEC requirements and the approved 1998 Site Assessment Report (SAR), duplicate samples were collected during each sampling event. The required Data Usability Summary Report (DUSR) is included under separate cover. Review of the DUSR indicates that all of the analytical packages included herein meet the site/project specific criteria for data quality and data use.

Ground water sample results were compared to the New York State Class GA Ground Water Standards (NYS Class GA GWS).

8.0) MONITORING WELL INSTALLATION

On March 17, 2008, an EWMA representative supervised the installation of one offsite montoring well, MW-6, at the 3 Warehouse Lane property. Monitoring well MW-6 was

installed to investigate ground water quality in the area topographically upgradient of the 1 Warehouse Lane property.

Representatives of Summit Drilling of Bridgewater, NJ performed monitoring well installation activities. The Monitoring Well Construction Log has been included as **Appendix 3**. Ground water was encountered at 10 feet b.s.g. at monitoring well MW-6. Soils encountered during monitoring well installation activities were field screened using a PID. No elevated PID readings were recorded during monitoring well installation activities at MW-6. Monitoring well MW-6 was installed as follows:

Monitoring Well	Screened Interval	Total Depth
MW-6	8' to 30' b.s.g.	30' b.s.g.

Monitoring well MW-6 is flush mounted and was constructed using two-inch diameter, 0.020-inch machine slot Schedule 40 PVC well screen. Solid two inch[4] diameter Schedule 40 PVC completed the upper portion of the well. The connection between the riser and well screen was flush-joint threading with no adhesive required. The well was filter packed with clean, No. 2 sand from the bottom of the borehole to approximately two feet above the top of the screen. The remaining annular space around the upper portion of each well was grouted with cement.

DPK Consulting of Middlesex, New Jersey performed a relative elevation survey on monitoring well MW-6.

9.0) MONITORING WELL SAMPLING - 2008

Water level measurements were recorded before and after purging activities, and prior to sampling activities using a water level indicator. Prior to well purging activities, a headspace reading was obtained from each well using a PID. Representative samples were obtained from each of the three purge volumes and tested for pH, dissolved oxygen, temperature, and specific conductivity. Field analysis was performed using a Horiba water lab. The well purge data for the April 3, 2008 and May 5, 2008 sampling events is tabulated on **Tables 10** and **11**, respectively.

Ground water samples were obtained from the wells using dedicated disposable Teflon bailers. Ground water samples were placed in laboratory supplied amber glass jars with Teflon-lined lids and were kept on ice in a cooler maintained at 4° C until delivery to IAL.

The Ground Water Contour Plans prepared for the April 3, 2008 and May 5, 2008 sampling events are included as **Figures 3** and **4**, respectively. Ground water generally flows to the east-northeast toward the Saw Mill River. Please note that monitoring well

[4] The NYSDEC verbally approved the use of 2 inch monitoring wells rather than the 4 inch diameter wells originally proposed.

MW-1 was removed from ground water flow calculations because water levels within MW-1 were found to be artificially high. MW-1 was installed within the former 4,000-gallon diesel UST system excavation that was the largest excavation created at the property. The location of MW-1 was also noted to be an area where overland storm water flows into the Saw Mill River.

9.1) APRIL 2008 SAMPLING EVENT

On April 3, 2008 EWMA mobilized to the property to collect ground water samples from monitoring wells MW-1 through MW-5 located onsite, and offsite monitoring well MW-6. Duplicate samples were collected for each ground water sampling event. A slight sheen was detected in MW-3 and MW-4. No free product or sheens were detected in any other wells sampled. The monitoring well locations are depicted on **Figure 2**. A total of six ground water samples were collected and submitted to IAL as follows:

APRIL 2008 GROUND WATER SAMPLING SUMMARY TABLE

Location	Laboratory ID #	Analytical Parameters	Sampling Method
MW-1	03767-006	Stars List Volatiles and Semivolatiles, Arsenic and Lead	Dedicated (disposable) Teflon Bailer
MW-2	03767-005	Stars List Volatiles and Semivolatiles	Dedicated (disposable) Teflon Bailer
MW-3	03767-004	Stars List Volatiles and Semivolatiles, Lead	Dedicated (disposable) Teflon Bailer
MW-4	03767-003	Stars List Volatiles and Semivolatiles, Arsenic and Lead	Dedicated (disposable) Teflon Bailer
MW-5	03767-002	Stars List Volatiles and Semivolatiles	Dedicated (disposable) Teflon Bailer
MW-6	03767-001	Stars List Volatiles and Semivolatiles, Arsenic and Lead	Dedicated (disposable) Teflon Bailer

Laboratory analysis of samples collected during the April 2008 ground water sampling revealed the following:

- No compounds were detected at MW-1 in excess of the NYS Class GA GWS;
- Benzene was detected at 3.7 ppb at MW-2 which exceeds the NYS Class GA GWS of 1.0 ppb;
- Total Xylenes were detected at 6.84 ppb at MW-2 which exceeds the NYS Class GA GWS of 5 ppb;
- Naphthlalene was detected at 178 ppb at MW-2 which exceeds the NYS Class GA GWS of 10 ppb;
- Acenaphthene was detected at 72.4 ppb at MW-2 which exceeds the NYS Class GA GWS of 20 ppb;
- Benzene was detected at 54.3 ppb at MW-3 which exceeds the NYS Class GA GWS of 1.0 ppb;

- Toluene was detected at 7.43 ppb at MW-3 which exceeds the NYS Class GA GWS of 5 ppb;
- Ethylbenzene was detected at 22 ppb at MW-3 which exceeds the NYS Class GA GWS of 5 ppb;
- Total Xylenes were detected at 21.4 ppb at MW-3 which exceeds the NYS Class GA GWS of 5 ppb;
- Naphthalene was detected at 14.5 ppb at MW-3 which exceeds the NYS Class GA GWS of 10 ppb;
- Acenaphthalene was detected at 72.4 ppb at MW-3 which exceeds the NYS Class GA GWS of 20 ppb;
- Benzene was detected at 1.71 ppb at MW-4 which exceeds the NYS Class GA GWS of 1.0 ppb;
- Naphthalene was detected at 27.5 ppb at MW-5 which exceeds the NYS Class GA GWS of 10 ppb;
- Acenaphthalene was detected at 44.8 ppb at MW-5 which exceeds the NYS Class GA GWS of 20 ppb;
- Benzo[a]anthracene was detected at 0.331 ppb at MW-5 which exceeds the NYS Class GA GWS of 0.002 ppb;
- No compounds were detected at MW-6 in excess of the NYS Class GA GWS

The results of the ground water sampling event are summarized within **Table 2** and illustrated on **Figure 5**. A complete copy of the laboratory data package (E08-03767) is provided in **Appendix 4.**

9.2) MAY 2008 SAMPLING EVENT

On May 5, 2008 EWMA mobilized to the property to collect ground water samples from monitoring wells MW-1 through MW-5, and offsite monitoring well MW-6. A slight sheen was detected in MW-3. All other wells showed no sheens or free product. A total of six ground water samples were collected and submitted to IAL as follows:

MAY 2008 GROUND WATER SAMPLING SUMMARY TABLE

Location	Laboratory ID #	Analytical Parameters	Sampling Method
MW-1	05064-001	Stars List Volatiles, Arsenic and Lead	Dedicated (disposable) Teflon Bailer
MW-2	05064-002	Stars List Volatiles and Semivolatiles	Dedicated (disposable) Teflon Bailer
MW-3	05064-003	Stars List volatiles and Semivolatiles, Lead	Dedicated (disposable) Teflon Bailer
MW-4	05064-004	Stars List volatiles and Semivolatiles, Arsenic and Lead	Dedicated (disposable) Teflon Bailer
MW-5	05064-005	Stars List Volatiles and Semivolatiles	Dedicated (disposable) Teflon Bailer
MW-6	05064-006	Stars List Volatiles and Semivolatiles, Arsenic and Lead	Dedicated (disposable) Teflon Bailer

Laboratory analysis from the May 2008 ground water sampling conducted at monitoring wells on the property revealed the following:

- No compounds were detected at MW-1 in excess of the NYS Class GA GWS;
- Benzene was detected at 3.37 ppb at MW-2 which exceeds the NYS Class GA GWS of 1.0 ppb;
- Total Xylenes were detected at 6.26 ppb at MW-2 which exceeds the NYS Class GA GWS of 5 ppb;
- Naphthalene was detected at 325 ppb at MW-2 which exceeds the NYS Class GA GWS of 10 ppb;
- Acenaphthalene was detected at 36.5 ppb at MW-2 which exceeds the NYS Class GA GWS of 20 ppb;
- Benzene was detected at 66.9 ppb at MW-3 which exceeds the NYS Class GA GWS of 1.0 ppb;
- Toluene was detected at 9.20 ppb at MW-3 which exceeds the NYS Class GA GWS of 5 ppb;
- Ethylbenzene was detected at 47.2 ppb at MW-3 which exceeds the NYS Class GA GWS of 5 ppb;
- Total Xylenes were detected at 31.2 ppb at MW-3 which exceeds the NYS Class GA GWS of 5 ppb;
- Naphthalene was detected at 18.2 ppb at MW-3 which exceeds the NYS Class GA GWS of 10 ppb;
- Acenaphthalene was detected at 58.1 ppb at MW-3 which exceeds the NYS Class GA GWS of 20 ppb;
- Benzene was detected at 3.21 ppb at MW-4 which exceeds the NYS Class GA GWS of 1.0 ppb;
- Benzo[a]anthracene was detected at 0.228 ppb at MW-4 which exceeds the NYS Class GA GWS of 0.002 ppb;
- Chrysene was detected at 0.271 ppb at MW-4 which exceeds the NYS Class GA GWS of 0.002 ppb;
- Benzo[a]anthracene was detected at 0.272 ppb at MW-5 which exceeds the NYS Class GA GWS of 0.002 ppb;
- Chrysene was detected at 0.215 ppb at MW-5 which exceeds the NYS Class GA GWS of 0.002 ppb;
- No compounds were detected at MW-6 in excess of the NYS Class GA GWS

The results of the ground water sampling event are summarized in **Table 9** and illustrated on **Figure 8**. A complete copy of the laboratory data package (E08-05064) is provided in **Appendix 5.** Contaminant concentration trend plots for selected constituents detected in the monitoring wells are shown in **Appendix 2.** he trend lines clearly illustrate decreasing concentration levels for contaminants during the 2002-2008 monitoring

period and thereby clearly document the effectiveness of the remedial measures in the ongoing attenuation of residual ground water contamination levels.

10.0) VAPOR INTRUSION CONSIDERATIONS

Petroleum related VOCs are present at concentrations in the part per billion range in groundwater beneath portions of the site. VOCs present a potential for vapor intrusion concerns associated with volatilization of residuals from contaminated groundwater into occupied structures. On site, there is a single structure consisting of a concrete building used as an active bus repair and maintenance facility. Such operations routinely involve use of petroleum compounds and related automotive fluids which reasonably would be expected to be a greater potential for exposure and would mask any detectable levels of such residuals that could be attributable to vapor intrusion from groundwater contamination. As an active facility, the site must comply with OSHA and environmental regulations concerning handling and exposure to petroleum related compounds that, given the nature of active site operations, are considered adequate to protect employees on site from potential vapor intrusion related issues. In the event that site use changes from current activities as a bus repair and maintenance operations, these observations and conclusions can be revisited with respect to vapor intrusion.

With respect to offsite conditions, site conditions are not expected to create potential for offsite vapor intrusion concerns. Upgradient well MW-6, located to the west of the building between the site and the adjacent building at 3 Warehouse Lane property, does not contain detectable VOCs. Similarly, Well MW-1, located south of the building between it and Warehouse Land does not contain VOCs above GWS. The closest building to the south is more than 200 feet from the subject site building. To the north, soil sampling associated at AOC 7 and AOC 8 did not detected VOCs above action levels that could serve as a source of vapor intrusion, and the nearest building to the north is more than 200 feet distant. The Saw Mil River is the downgradient side of the site, and prior sampling did not identify VOCs above action levels in the river. The river would serve as a barrier to vapor migration as well. Given these conditions, offsite vapor intrusion concerns are not expected.

11.0) RECOMMENDATIONS

Review of the ground water contaminant concentration trends in **Appendix 2** confirms that overall ground water quality is improving, and that natural attenuation is occurring within the onsite contaminant plume. Review of the ground water data from MW-6 confirms that there does not appear to be offsite contribution from the 3 Warehouse Lane property to the onsite ground water contaminant plume. Surface water sampling data documents the absence of impact to the Saw Mill River from the site.

Natural attenuation is occurring, but contaminant concentrations still remain at levels that exceed the NYS Class GA GWS. Therefore, additional ground water monitoring

activities should continue. EWMA recommends that three additional sampling events be performed biennially to document the ongoing natural attenuation of the contaminant plume. Since there had been no contaminant in exceedance of the NYS Class GA GWS in MW-6 for any sampling event, EWMA requests that no further sampling of MW-6 be required. Ground water elevations will continue to be collected at all wells, including MW-6, to prepare ground water elevation contour plans for each sampling event. If, following the completion of six years of biennial monitoring, contaminant trends continue to decrease in the remaining five wells, EWMA will request that no further action be required with respect to ground water at the subject property.

In addition, as requested by NYSDEC, a Deed Restriction will be placed on the site. The Deed Restriction will restrict the site to industrial/commercial use and prohibit use of onsite ground water. As part of the required actions associated with the Deed Restriction, a Site Management Plan will be prepared to document the restrictions and activities. The Site Management Plan includes a requirement for assessing soil vapor intrusion concerns in the event that site use changes from current bus garage operations or if new structures are built on site.

VOLUNTARY CLEANUP PROGRAM GROUND WATER – REMEDIAL INVESTIGATION REPORT

Property Known As:

1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
EWMA Job #200385
March 2011

TABLES

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Sample Depth (feet bgs):** **Lab ID:** **Sample Date:** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-1** **9-9.5'** **6431-001** **09/19/2001** **Soil**		**SS-2** **9-9.5'** **6431-002** **09/19/2001** **Soil**		**SS-3** **9-9.5'** **6431-003** **09/19/2001** **Soil**		**SS-4** **9-9.5'** **6431-004** **09/19/2001** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	2.99	ND	5.72	ND	0.0284	ND	0.0294
Benzene	**0.06**	**44**	**1.05**	2.99	**3.08**	5.72	0.0279	0.0284	**0.0998**	0.0294
Toluene	**1.5**	**500**	**11.7**	2.99	**8.70**	5.72	0.0223	0.0284	0.0597	0.0294
Ethylbenzene	**5.5**	**390**	**21.1**	2.99	**44.7**	5.72	0.0779	0.0284	0.341	0.0294
Total Xylenes	**1.2**	**500**	**94.4**	2.99	**209**	5.72	0.189	0.0284	0.520	0.0294
Isopropylbenzene	**2.3**	**NS**	**4.44**	2.99	**6.59**	5.72	0.0325	0.0284	0.0959	0.0294
n-Propylbenzene	**3.7**	**500**	**15.4**	2.99	**23.3**	5.72	ND	0.0284	0.155	0.0294
1,3,5-Trimethylbenzene	**3.3**	**190**	**31.1**	2.99	**44.3**	5.72	0.102	0.0284	0.0936	0.0294
tert-Butylbenzene	**10**	**500**	ND	2.99	ND	5.72	ND	0.0284	ND	0.0294
1,2,4-Trimethylbenzene	**10**	**190**	**97.9**	2.99	**135**	5.72	0.170	0.0284	0.118	0.0294
sec-Butylbenzene	**10**	**500**	5.18	2.99	4.87	5.72	ND	0.0284	0.114	0.0294
4-Isopropyltoluene	**10**	**NS**	4.26	2.99	**13.0**	5.72	ND	0.0284	ND	0.0294
n-Butylbenzene	**10**	**NS**	ND	2.99	ND	5.72	0.0675	0.0284	0.205	0.0294
Naphthalene	**13**	**500**	**41.5**	2.99	**45.6**	5.72	ND	0.0284	ND	0.0294
Semivolatiles - BN Stars List										
Acenaphthene	**50**	**500**	1.07	0.233	0.888	0.108	0.273	0.220	0.972	0.222
Fluorene	**50**	**500**	1.77	0.233	1.24	0.108	0.228	0.220	1.17	0.222
Phenanthrene	**50**	**500**	3.05	0.233	2.46	0.108	0.371	0.220	1.86	0.222
Anthracene	**50**	**500**	0.163	0.233	0.185	0.108	ND	0.220	0.212	0.222
Fluoranthene	**50**	**500**	ND	0.233	0.223	0.108	ND	0.220	ND	0.222
Pyrene	**50**	**500**	ND	0.233	0.402	0.108	ND	0.220	ND	0.222
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.233	ND	0.108	ND	0.220	ND	0.222
Chrysene	**0.4**	**56**	ND	0.233	0.0773	0.108	ND	0.220	ND	0.222
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.233	ND	0.108	ND	0.220	ND	0.222
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.233	ND	0.108	ND	0.220	ND	0.222
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.233	ND	0.108	ND	0.220	ND	0.222
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.233	ND	0.108	ND	0.220	ND	0.222
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.233	ND	0.108	ND	0.220	ND	0.222
Benzo[g,h,i]perylene	**50**	**500**	ND	0.233	ND	0.108	ND	0.220	ND	0.222

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Sample Depth (feet bgs):** **Lab ID:** **Sample Date:** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-5** **9-9.5'** **6431-005** **09/19/2001** **Soil**		**SS-6** **9-9.5'** **6431-006** **09/19/2001** **Soil**		**SS-7** **9-9.5'** **6431-007** **09/19/2001** **Soil**		**DUP 9/19** **9-9.5'** **6431-008** **09/19/2001** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.581	ND	0.0288	ND	2.84	ND	0.0289
Benzene	**0.06**	**44**	ND	0.581	**0.284**	0.0288	ND	2.84	ND	0.0289
Toluene	**1.5**	**500**	ND	0.581	0.433	0.0288	0.901	2.84	ND	0.0289
Ethylbenzene	**5.5**	**390**	0.281	0.581	0.436	0.0288	5.39	2.84	0.0104	0.0289
Total Xylenes	**1.2**	**500**	0.768	0.581	0.494	0.0288	**40.7**	2.84	0.0523	0.0289
Isopropylbenzene	**2.3**	**NS**	0.263	0.581	0.285	0.0288	2.02	2.84	ND	0.0289
n-Propylbenzene	**3.7**	**500**	0.453	0.581	0.415	0.0288	**6.21**	2.84	0.0179	0.0289
1,3,5-Trimethylbenzene	**3.3**	**190**	0.695	0.581	0.477	0.0288	**18.3**	2.84	0.149	0.0289
tert-Butylbenzene	**10**	**500**	ND	0.581	ND	0.0288	ND	2.84	ND	0.0289
1,2,4-Trimethylbenzene	**10**	**190**	1.31	0.581	ND	0.0288	**41.3**	2.84	0.0365	0.0289
sec-Butylbenzene	**5**	**500**	1.04	0.581	0.434	0.0288	1.79	2.84	0.0223	0.0289
4-Isopropyltoluene	**10**	**NS**	0.683	0.581	ND	0.0288	ND	2.84	ND	0.0289
n-Butylbenzene	**5**	**NS**	ND	0.581	ND	0.0288	ND	2.84	0.0488	0.0289
Naphthalene	**13**	**500**	6.23	0.581	ND	0.0288	**14.5**	2.84	ND	0.0289
Semivolatiles - BN Stars List										
Acenaphthene	**50**	**500**	0.695	0.215	1.78	0.224	0.756	0.220	0.575	0.226
Fluorene	**50**	**500**	1.45	0.215	3.11	0.224	1.01	0.220	0.462	0.226
Phenanthrene	**50**	**500**	2.28	0.215	4.92	0.224	2.04	0.220	0.917	0.226
Anthracene	**50**	**500**	0.400	0.215	0.249	0.224	ND	0.220	0.197	0.226
Fluoranthene	**50**	**500**	ND	0.215	0.175	0.224	ND	0.220	0.485	0.226
Pyrene	**50**	**500**	ND	0.215	0.273	0.224	0.140	0.220	0.608	0.226
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.215	ND	0.224	ND	0.220	ND	0.226
Chrysene	**0.4**	**56**	ND	0.215	ND	0.224	ND	0.220	ND	0.226
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.215	ND	0.224	ND	0.220	ND	0.226
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.215	ND	0.224	ND	0.220	ND	0.226
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.215	ND	0.224	ND	0.220	ND	0.226
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.215	ND	0.224	ND	0.220	ND	0.226
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.215	ND	0.224	ND	0.220	ND	0.226
Benzo[g,h,i]perylene	**50**	**500**	ND	0.215	ND	0.224	ND	0.220	ND	0.226

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: Sample Depth: Lab ID: Date Sampled: Matrix:	NYSDEC RSCO	NYSDEC Remedial Program Commercial SCO	AOC1-EX-1 16-16.5' 6505-001 09/21/2001 Soil			AOC1-EX-2 16-16.5' 6505-002 09/21/2001 Soil			AOC1-EX-3 16-16.5' 6505-003 09/21/2001 Soil		
Volatiles - Stars list (ppm)			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND		0.0294	ND		1.26	ND		2.91
Benzene	**0.06**	**44**	ND		0.0294	**3.15**		1.26	**1.56**	J	2.91
Toluene	**1.5**	**500**	ND		0.0294	1.21	J	1.26	**17.3**		2.91
Ethylbenzene	**5.5**	**390**	ND		0.0294	0.357	J	1.26	**8.02**		2.91
Total Xylenes	**1.2**	**500**	ND		0.0294	0.933	J	1.26	**16.6**		2.91
Isopropylbenzene	**2.3**	**NS**	ND		0.0294	0.353	J	1.26	**3.09**		2.91
n-Propylbenzene	**3.7**	**500**	ND		0.0294	0.561	J	1.26	**6.82**		2.91
1,3,5-Trimethylbenzene	**3.3**	**190**	ND		0.0294	2.32		1.26	**22.9**		2.91
tert-Butylbenzene	**10**	**500**	ND		0.0294	ND		1.26	ND		2.91
1,2,4-Trimethylbenzene	**10**	**190**	ND		0.0294	4.42		1.26	**11.6**		2.91
sec-Butylbenzene	**10**	**500**	ND		0.0294	ND		1.26	**5.57**		2.91
4-Isopropyltoluene	**10**	**NS**	ND		0.0294	1.01	J	1.26	7.47		2.91
n-Butylbenzene	**10**	**NS**	ND		0.0294	ND		1.26	ND		2.91
Naphthalene	**13**	**500**	ND		0.0294	8.5		1.26	**58.5**		2.91
Semivolatiles - Stars list (ppm)											
Acenaphthene	**50**	**500**	ND		0.115	ND		0.119	1.02	J	1.09
Fluorene	**50**	**500**	ND		0.115	0.344		0.119	3.23		1.09
Phenanthrene	**50**	**500**	ND		0.115	0.685		0.119	6.33		1.09
Anthracene	**50**	**500**	ND		0.115	ND		0.119	ND		1.09
Fluoranthene	**50**	**500**	ND		0.115	ND		0.119	ND		1.09
Pyrene	**50**	**500**	ND		0.115	ND		0.119	ND		1.09
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND		0.115	ND		0.119	ND		1.09
Chrysene	**0.4**	**56**	ND		0.115	ND		0.119	ND		1.09
Benzo[b]fluoranthene	**1.1**	**5.6**	ND		0.115	ND		0.119	ND		1.09
Benzo[k]fluoranthene	**1.1**	**56**	ND		0.115	ND		0.119	ND		1.09
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND		0.115	ND		0.119	ND		1.09
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND		0.115	ND		0.119	ND		1.09
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND		0.115	ND		0.119	ND		1.09
Benzo[g,h,i]perylene	**50**	**500**	ND		0.115	ND		0.119	ND		1.09

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: Sample Depth: Lab ID: Date Sampled: Matrix:	NYSDEC RSCO	NYSDEC Remedial Program Commercial SCO	AOC1-EX-4 16-16.5' 6505-004 09/21/2001 Soil			AOC1-EX-5 10-10.5' 6821-001 09/24/2001 Soil			AOC1-EX-6 10-10.5' 6822-001 09/25/2001 Soil		
Volatiles - Stars list (ppm)			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND		3.05	ND		0.0111	ND		0.0293
Benzene	**0.06**	**44**	**9.72**		3.05	ND		0.0111	ND		0.0293
Toluene	**1.5**	**500**	**34.9**		3.05	ND		0.0111	ND		0.0293
Ethylbenzene	**5.5**	**390**	**7**		3.05	ND		0.0111	ND		0.0293
Total Xylenes	**1.2**	**500**	**29.5**		3.05	ND		0.0111	ND		0.0293
Isopropylbenzene	**2.3**	**NS**	0.767	J	3.05	ND		0.0111	ND		0.0293
n-Propylbenzene	**3.7**	**500**	1.3	J	3.05	ND		0.0111	ND		0.0293
1,3,5-Trimethylbenzene	**3.3**	**190**	**4.63**		3.05	ND		0.0111	ND		0.0293
tert-Butylbenzene	**10**	**500**	ND		3.05	ND		0.0111	ND		0.0293
1,2,4-Trimethylbenzene	**5**	**190**	**8.26**		3.05	ND		0.0111	ND		0.0293
sec-Butylbenzene	**5**	**500**	ND		3.05	ND		0.0111	ND		0.0293
4-Isopropyltoluene	**10**	**NS**	1.82	J	3.05	ND		0.0111	ND		0.0293
n-Butylbenzene	**5**	**NS**	ND		3.05	ND		0.0111	ND		0.0293
Naphthalene	**13**	**500**	**25.5**		3.05	ND		0.0111	ND		0.0293
Semivolatiles - Stars list (ppm)											
Acenaphthene	**50**	**500**	0.13		0.111	ND		0.107	ND		0.116
Fluorene	**50**	**500**	0.42		0.111	ND		0.107	ND		0.116
Phenanthrene	**50**	**500**	0.671		0.111	ND		0.107	ND		0.116
Anthracene	**50**	**500**	ND		0.111	ND		0.107	ND		0.116
Fluoranthene	**50**	**500**	ND		0.111	ND		0.107	ND		0.116
Pyrene	**50**	**500**	ND		0.111	ND		0.107	ND		0.116
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND		0.111	ND		0.107	ND		0.116
Chrysene	**0.4**	**56**	ND		0.111	ND		0.107	ND		0.116
Benzo[b]fluoranthene	**1.1**	**5.6**	ND		0.111	ND		0.107	ND		0.116
Benzo[k]fluoranthene	**1.1**	**56**	ND		0.111	ND		0.107	ND		0.116
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND		0.111	ND		0.107	ND		0.116
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND		0.111	ND		0.107	ND		0.116
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND		0.111	ND		0.107	ND		0.116
Benzo[g,h,i]perylene	**50**	**500**	ND		0.111	ND		0.107	ND		0.116

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: Sample Depth: Lab ID: Date Sampled: Matrix:	NYSDEC RSCO	NYSDEC Remedial Program Commercial SCO	AOC1-EX-7 10-10.5' 6822-002 09/25/2001 Soil			AOC1-EX-8 10-10.5' 6822-003 09/25/2001 Soil			AOC1-EX-9 10-10.5' 6822-004 09/25/2001 Soil		
Volatiles - Stars list (ppm)			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND		0.0296	ND		0.0059	ND		0.0059
Benzene	**0.06**	**44**	ND		0.0296	ND		0.0059	ND		0.0059
Toluene	**1.5**	**500**	ND		0.0296	ND		0.0059	ND		0.0059
Ethylbenzene	**5.5**	**390**	ND		0.0296	ND		0.0059	ND		0.0059
Total Xylenes	**1.2**	**500**	ND		0.0296	ND		0.0059	ND		0.0059
Isopropylbenzene	**2.3**	**NS**	ND		0.0296	ND		0.0059	ND		0.0059
n-Propylbenzene	**3.7**	**500**	ND		0.0296	ND		0.0059	ND		0.0059
1,3,5-Trimethylbenzene	**3.3**	**190**	ND		0.0296	ND		0.0059	ND		0.0059
tert-Butylbenzene	**10**	**500**	ND		0.0296	ND		0.0059	ND		0.0059
1,2,4-Trimethylbenzene	**5**	**190**	ND		0.0296	ND		0.0059	ND		0.0059
sec-Butylbenzene	**5**	**500**	ND		0.0296	ND		0.0059	ND		0.0059
4-Isopropyltoluene	**10**	**NS**	ND		0.0296	ND		0.0059	ND		0.0059
n-Butylbenzene	**5**	**NS**	ND		0.0296	ND		0.0059	ND		0.0059
Naphthalene	**13**	**500**	ND		0.0296	ND		0.0059	ND		0.0059
Semivolatiles - Stars list (ppm)											
Acenaphthene	**50**	**500**	ND		0.117	ND		0.117	ND		0.112
Fluorene	**50**	**500**	ND		0.117	ND		0.117	ND		0.112
Phenanthrene	**50**	**500**	0.096	J	0.117	ND		0.117	ND		0.112
Anthracene	**50**	**500**	ND		0.117	ND		0.117	ND		0.112
Fluoranthene	**50**	**500**	ND		0.117	ND		0.117	ND		0.112
Pyrene	**50**	**500**	ND		0.117	ND		0.117	ND		0.112
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND		0.117	ND		0.117	ND		0.112
Chrysene	**0.4**	**56**	ND		0.117	ND		0.117	ND		0.112
Benzo[b]fluoranthene	**1.1**	**5.6**	ND		0.117	ND		0.117	ND		0.112
Benzo[k]fluoranthene	**1.1**	**56**	ND		0.117	ND		0.117	ND		0.112
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND		0.117	ND		0.117	ND		0.112
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND		0.117	ND		0.117	ND		0.112
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND		0.117	ND		0.117	ND		0.112
Benzo[g,h,i]perylene	**50**	**500**	ND		0.117	ND		0.117	ND		0.112

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: Sample Depth: Lab ID: Date Sampled: Matrix:	NYSDEC RSCO	NYSDEC Remedial Program Commercial SCO	AOC1-EX-10 10-10.5' 6822-005 09/25/2001 Soil		AOC1-EX-11 10-10.5' 6822-006 09/25/2001 Soil		DUP 6822-007 09/25/2001 Soil	
Volatiles - Stars list (ppm)			Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.028	ND	0.0059	ND	0.0058
Benzene	**0.06**	**44**	ND	0.028	ND	0.0059	ND	0.0058
Toluene	**1.5**	**500**	ND	0.028	ND	0.0059	ND	0.0058
Ethylbenzene	**5.5**	**390**	ND	0.028	ND	0.0059	ND	0.0058
Total Xylenes	**1.2**	**500**	ND	0.028	ND	0.0059	ND	0.0058
Isopropylbenzene	**2.3**	**NS**	ND	0.028	ND	0.0059	ND	0.0058
n-Propylbenzene	**3.7**	**500**	ND	0.028	ND	0.0059	ND	0.0058
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	0.028	ND	0.0059	ND	0.0058
tert-Butylbenzene	**10**	**500**	ND	0.028	ND	0.0059	ND	0.0058
1,2,4-Trimethylbenzene	**5**	**190**	ND	0.028	ND	0.0059	ND	0.0058
sec-Butylbenzene	**5**	**500**	ND	0.028	ND	0.0059	ND	0.0058
4-Isopropyltoluene	**10**	**NS**	ND	0.028	ND	0.0059	ND	0.0058
n-Butylbenzene	**5**	**NS**	ND	0.028	ND	0.0059	ND	0.0058
Naphthalene	**13**	**500**	ND	0.028	ND	0.0059	ND	0.0058
Semivolatiles - Stars list (ppm)								
Acenaphthene	**50**	**500**	ND	0.104	ND	0.111	ND	0.115
Fluorene	**50**	**500**	ND	0.104	ND	0.111	ND	0.115
Phenanthrene	**50**	**500**	ND	0.104	ND	0.111	ND	0.115
Anthracene	**50**	**500**	ND	0.104	ND	0.111	ND	0.115
Fluoranthene	**50**	**500**	ND	0.104	ND	0.111	ND	0.115
Pyrene	**50**	**500**	ND	0.104	ND	0.111	ND	0.115
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.104	ND	0.111	ND	0.115
Chrysene	**0.4**	**56**	ND	0.104	ND	0.111	ND	0.115
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.104	ND	0.111	ND	0.115
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.104	ND	0.111	ND	0.115
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.104	ND	0.111	ND	0.115
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.104	ND	0.111	ND	0.115
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.104	ND	0.111	ND	0.115
Benzo[g,h,i]perylene	**50**	**500**	ND	0.104	ND	0.111	ND	0.115

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Lab ID:** **Sample Date:** **Sample Depth (feet bgs):** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-8** **8418-010** **24-Oct-02** **8.5/9** **Soil**		**SS-9** **8418-011** **24-Oct-02** **9/9.5** **Soil**		**SS-10** **8418-012** **24-Oct-02** **11/11.5** **Soil**		**SS-10DUP** **8418-013** **24-Oct-02** **11/11.5** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.0559	ND	0.558	ND	0.0058	ND	0.0059
Benzene	**0.06**	**44**	ND	0.0559	ND	0.558	ND	0.0058	ND	0.0059
Toluene	**1.5**	**500**	ND	0.0559	1.1	0.558	ND	0.0058	ND	0.0059
Ethylbenzene	**5.5**	**390**	0.118	0.0559	0.87	0.558	ND	0.0058	ND	0.0059
Total Xylenes	**1.2**	**500**	0.655	0.0559	**4.87**	0.558	ND	0.0058	ND	0.0059
Isopropylbenzene	**2.3**	**NS**	0.0719	0.0559	ND	0.558	ND	0.0058	ND	0.0059
n-Propylbenzene	**3.7**	**500**	0.256	0.0559	0.776	0.558	ND	0.0058	ND	0.0059
1,3,5-Trimethylbenzene	**3.3**	**190**	0.88	0.0559	ND	0.558	ND	0.0058	ND	0.0059
tert-Butylbenzene	**10**	**500**	ND	0.0559	ND	0.558	ND	0.0058	ND	0.0059
1,2,4-Trimethylbenzene	**10**	**190**	1.46	0.0559	4.63	0.558	0.0084	0.0058	0.00509 J	0.0059
sec-Butylbenzene	**10**	**500**	0.0574	0.0559	ND	0.558	ND	0.0058	ND	0.0059
4-Isopropyltoluene	**10**	**NS**	ND	0.0559	ND	0.558	ND	0.0058	ND	0.0059
n-Butylbenzene	**10**	**NS**	ND	0.0559	ND	0.558	ND	0.0058	ND	0.0059
Naphthalene	**13**	**500**	0.486	0.0559	1.11	0.558	0.00329 J	0.0058	0.00487 J	0.0059
Semivolatiles - BN Stars List										
Acenaphthene	**50**	**500**	~		~		~		~	
Fluorene	**50**	**500**	~		~		~		~	
Phenanthrene	**50**	**500**	~		~		~		~	
Anthracene	**50**	**500**	~		~		~		~	
Fluoranthene	**50**	**500**	~		~		~		~	
Pyrene	**50**	**500**	~		~		~		~	
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	~		~		~		~	
Chrysene	**0.4**	**56**	~		~		~		~	
Benzo[b]fluoranthene	**1.1**	**5.6**	~		~		~		~	
Benzo[k]fluoranthene	**1.1**	**56**	~		~		~		~	
Benzo[a]pyrene	**0.061 or MDL**	**1**	~		~		~		~	
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	~		~		~		~	
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	~		~		~		~	
Benzo[g,h,i]perylene	**50**	**500**	~		~		~		~	

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 1
Historical Soil Sampling Results
AOC 1 - 4,000 Gallon Diesel UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Lab ID:** **Sample Date:** **Sample Depth (feet bgs):** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-11** **8418-014** **25-Oct-02** **11.5/12** **Soil**		**SS-12** **8418-015** **25-Oct-02** **13.5/14** **Soil**		**SS-12DUP** **8418-020** **25-Oct-02** **13.5/14** **Soil**		**SS-13** **8418-016** **25-Oct-02** **10.5/11** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL		MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	2.84	ND	0.0057	ND	0.0057	ND	0.0059
Benzene	**0.06**	**44**	ND	0.568	ND	0.0057	ND	0.0057	ND	0.0059
Toluene	**1.5**	**500**	**26.3**	1.14	ND	0.0057	ND	0.0057	0.00192 J	0.0059
Ethylbenzene	**5.5**	**390**	**20.7**	1.14	ND	0.0057	ND	0.0057	ND	0.0059
Total Xylenes	**1.2**	**500**	**103**	1.14	ND	0.0057	ND	0.0057	0.0075	0.0059
Isopropylbenzene	**2.3**	**NS**	**3.49**	1.14	ND	0.0057	ND	0.0057	ND	0.0059
n-Propylbenzene	**3.7**	**500**	**10.7**	1.14	ND	0.0057	ND	0.0057	ND	0.0059
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	1.14	ND	0.0057	ND	0.0057	ND	0.0059
tert-Butylbenzene	**10**	**500**	ND	1.14	ND	0.0057	ND	0.0057	ND	0.0059
1,2,4-Trimethylbenzene	**5**	**190**	**65.5**	1.14	ND	0.0057	ND	0.0057	0.00409 J	0.0059
sec-Butylbenzene	**5**	**500**	ND	1.14	ND	0.0057	ND	0.0057	ND	0.0059
4-Isopropyltoluene	**10**	**NS**	ND	1.14	ND	0.0057	ND	0.0057	ND	0.0059
n-Butylbenzene	**5**	**NS**	ND	1.14	ND	0.0057	ND	0.0057	ND	0.0059
Naphthalene	**13**	**500**	8.94	1.14	ND	0.0057	ND	0.0057	ND	0.0059
Semivolatiles - BN Stars List										
Acenaphthene	**50**	**500**	~		~		~		~	
Fluorene	**50**	**500**	~		~		~		~	
Phenanthrene	**50**	**500**	~		~		~		~	
Anthracene	**50**	**500**	~		~		~		~	
Fluoranthene	**50**	**500**	~		~		~		~	
Pyrene	**50**	**500**	~		~		~		~	
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	~		~		~		~	
Chrysene	**0.4**	**56**	~		~		~		~	
Benzo[b]fluoranthene	**1.1**	**5.6**	~		~		~		~	
Benzo[k]fluoranthene	**1.1**	**56**	~		~		~		~	
Benzo[a]pyrene	**0.061 or MDL**	**1**	~		~		~		~	
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	~		~		~		~	
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	~		~		~		~	
Benzo[g,h,i]perylene	**50**	**500**	~		~		~		~	

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 2
Historical Groundwater Sampling Results
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Well: / **Lab ID:** / **Date:** / **Matrix:**	**NYDEC Groundwater Quality Criteria**	**MW-1** 8911-001 11/12/2002 Aqueous			**MW-1FILT** 8911-009 11/12/2002 Aqueous			**MW-1** 9872-001 12/12/2002 Aqueous			**MW-1FILT** 9872-008 12/12/2002 Aqueous			**MW-1** 07735-001 8/12/2004 Aqueous			**MW-1** 10970-001 11/11/2004 Aqueous			**MW-1** 01264-001 02/10/2005 Aqueous			**MW-1** 05309-001 05/20/2005 Aqueous			**MW-1** 03767-006 04/03/2008 Aqueous			**MW-1** 05064-001/011 05/05/2008 Aqueous		
Volatiles Stars List (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
MTBE	**10**	0.686		0.29	~		~	0.658		0.23	~		~	~		~	~		~	~		~	~		~	ND		0.25	~		~
Benzene	**1**	**1.64**		0.23	~		~	**2.13**		0.20	~		~	ND		0.39	ND		0.39	ND		0.39	0.673		0.39	ND		0.28	~		~
Toluene	**5**	ND		0.20	~		~	ND		0.34	~		~	~		~	~		~	~		~	~		~	ND		0.22	~		~
Ethylbenzene	**5**	0.886		0.20	~		~	0.639		0.28	~		~	~		~	~		~	~		~	~		~	ND		0.23	~		~
Total xylenes	**5**	ND		0.61	~		~	ND		0.39	~		~	~		~	~		~	~		~	~		~	ND		0.85	~		~
Isopropylbenzene	**5**	0.421		0.23	~		~	0.3		0.28	~		~	~		~	~		~	~		~	~		~	ND		0.20	~		~
n-Propylbenzene	**5**	0.779		0.17	~		~	0.514		0.25	~		~	~		~	~		~	~		~	~		~	ND		0.21	~		~
1,3,5-Trimethylbenzene	**5**	ND		0.29	~		~	ND		0.31	~		~	~		~	~		~	~		~	~		~	ND		0.23	~		~
tert-Butylbenzene	**5**	ND		0.29	~		~	ND		0.28	~		~	~		~	~		~	~		~	~		~	ND		0.31	~		~
1,2,4-Trimethylbenzene	**5**	ND		0.17	~		~	ND		0.14	~		~	~		~	~		~	~		~	~		~	ND		0.21	~		~
sec-Butylbenzene	**5**	0.377		0.26	~		~	ND		0.25	~		~	~		~	~		~	~		~	~		~	ND		0.21	~		~
4-Isopropyltoluene	**5**	ND		0.29	~		~	ND		0.31	~		~	~		~	~		~	~		~	~		~	ND		0.19	~		~
n-Butylbenzene	**5**	0.338		0.17	~		~	ND		0.37	~		~	~		~	~		~	~		~	~		~	ND		0.24	~		~
Naphthalene	**10G**	1.66		0.17	~		~	0.406		0.28	~		~	~		~	~		~	~		~	~		~	2.08		0.37	~		~
Total VOCs	**NS**	6.787		~	~		~	4.647		~	~		~	~		~	~		~	~		~	0.673		~	2.08		~	~		~
Total TICs	**NS**	17.7		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Total VOCs & TICs	**NS**	24.487		~	~		~	4.647		~	~		~	~		~	~		~	~		~	0.673		~	2.08		~	~		~
Semi-volatiles (ppb)																																	
Acenaphthalene	**20G**	0.179		0.17	~		~	ND		0.17	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Flourene	**50**	0.278		0.18	~		~	ND		0.18	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Phenanthrene	**50**	0.266		0.11	~		~	ND		0.11	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Anthracene	**50**	ND		0.14	~		~	ND		0.14	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Flouranthene	**50**	ND		0.19	~		~	ND		0.19	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Pyrene	**50**	ND		0.14	~		~	ND		0.14	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo(a)anthracene	**0.002G**	ND		0.15	~		~	ND		0.15	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chrysene	**0.002G**	ND		0.14	~		~	ND		0.14	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo(b)flouranthene	**0.002G**	ND		0.34	~		~	ND		0.34	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo(k)flouranthene	**0.002G**	ND		0.63	~		~	ND		0.63	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo(a)pyrene	**ND**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Indeno(1,2,3-cd)pyrene	**0.002G**	ND		0.51	~		~	ND		0.51	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Dibenz(a,h)anthracene	**NS**	ND		0.49	~		~	ND		0.49	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Benzo(g,h,i)perylene	**NS**	ND		0.31	~		~	ND		0.31	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Total SVOCs	**NS**	0.723		~	~		~	ND		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Total TICs	**NS**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Total TICs & SVOCs	**NS**	0.723		~	~		~	ND		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
PCBs (ppb)																																	
Aroclor-1016	**0.09**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	**0.09**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	**0.09**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	**0.09**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	**0.09**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	**0.09**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	**0.50**	ND		0.20	~		~	ND		0.20	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Metals (ppb)																																	
Antimony	**3**	ND		4.00	ND		4.00	ND		4.00	ND		4.00	~		~	~		~	~		~	~		~	~		~	~		~
Arsenic	**25**	**54**		4.00	**59**		4.00	**45.1**		4.00	**51.5**		4.00	8.96		4.00	10.2		4.00	8.2		4.00	4.4		4.00	3.3		2.00	4.64		2.00
Beryllium	**3 G**	ND		2.00	ND		2.00	ND		2.00	ND		2.00	~		~	~		~	~		~	~		~	~		~	~		~
Cadmium	**5**	ND		1.00	ND		1.00	ND		1.00	ND		1.00	~		~	~		~	~		~	~		~	~		~	~		~
Chromium	**50**	ND		8.00	ND		8.00	ND		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~
Copper	**200**	257		8.00	ND		8.00	39.3		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~
Lead	**25**	**38**		2.00	ND		2.00	9		2.00	ND		2.00	3.41		2.00	5.4		2.00	ND		2.00	ND		2.00	4.07		2.00	ND		2.00
Mercury	**0.7**	ND		0.50	ND		0.50	ND		0.50	ND		0.50	~		~	~		~	~		~	~		~	~		~	~		~
Nickel	**100**	26		4.00	ND		4.00	11.8		4.00	ND		4.00	~		~	~		~	~		~	~		~	~		~	~		~
Selenium	**10**	ND		8.00	ND		8.00	ND		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~
Silver	**50**	ND		2.00	ND		2.00	ND		2.00	ND		2.00	~		~	~		~	~		~	~		~	~		~	~		~
Thallium	**0.5 G**	ND		0.40	ND		0.40	ND		0.40	ND		0.40	~		~	~		~	~		~	~		~	~		~	~		~
Zinc	**2000 G**	210		8.00	ND		8.00	69.4		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~

Notes:
~ - Sample not analyzed for.
ND - Analyzed for but not detected at the MDL.
Samples exceeding the GWQS are depicted in bold highlightedprint.
NS - No Published Standard
G- Guidance Value

TABLE 2
Historical Groundwater Sampling Results
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Well: / **Lab ID:** / **Date:** / **Matrix:**	**NYDEC Groundwater Quality Criteria**	**MW-2 8911-002 11/12/2002 Aqueous**		**MW-2DUP 8911-003 11/12/2002 Aqueous**		**MW-2 FILT 8911-010 11/12/2002 Aqueous**		**MW-2 9872-002 12/12/2002 Aqueous**		**MW-2DUP 9872-003 12/12/2002 Aqueous**		**MW-2 FILT 9872-009 12/12/2002 Aqueous**		**MW-2DUP FILT 9872-010 12/12/2002 Aqueous**		**MW-2 07735-002 8/12/2004 Aqueous**			**MW-2 10970-002 11/11/2004 Aqueous**			**MW-2 01264-002 02/10/2005 Aqueous**			**MW-2 05309-002 05/20/2005 Aqueous**			**MW-2 03767-005 04/03/2008 Aqueous**			**MW-2 05064-002/009 05/05/2008 Aqueous**		
Volatiles Stars List (ppb)		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
MTBE	**10**	7.42	1.45	6.88	1.45	~	~	**14.9**	2.30	**15.1**	2.30	~	~	~	~	**28.8**		0.25	**31.2**		0.50	**26.4**		1.25	**20.9**		0.25	**9.52**		0.25	**7.87**		0.5
Benzene	**1**	**2.17**	1.15	**2.31**	1.15	~	~	**2.83**	2.00	**2.86**	2.00	~	~	~	~	**2.45**		0.39	**2.4**		0.78	**4.95**		1.95	**3.64**		0.39	**3.97**		0.28	**3.37**		0.56
Toluene	**5**	ND	1.00	ND	1.00	~	~	ND	3.40	ND	3.40	~	~	~	~	0.641		0.35	0.969		0.70	ND		1.75	0.711		0.35	0.634		0.22	ND		0.44
Ethylbenzene	**5**	3.96	1.00	3.92	1.00	~	~	4.58	2.80	4.52	2.80	~	~	~	~	2.92		0.33	2.39		0.66	3.2		1.65	2.22		0.33	3.19		0.23	2.59		0.46
Total xylenes	**5**	3.12	3.05	**6.79**	3.05	~	~	**8.6**	3.90	**8.58**	3.90	~	~	~	~	**6.26**		1.15	4.96		2.30	0		5.75	4.78		1.15	**6.84**		0.85	**6.09**		1.7
Isopropylbenzene	**5**	ND	1.15	ND	1.15	~	~	ND	2.80	ND	2.80	~	~	~	~	0.542		0.35	ND		0.70	ND		1.75	ND		0.35	0.918		0.2	ND		0.4
n-Propylbenzene	**5**	ND	0.85	1.78	0.85	~	~	ND	2.50	ND	2.50	~	~	~	~	ND		0.27	ND		0.54	ND		1.35	ND		0.27	ND		0.21	ND		0.42
1,3,5-Trimethylbenzene	**5**	ND	1.45	ND	1.45	~	~	ND	3.10	ND	3.10	~	~	~	~	1.65		0.41	1.26		0.82	ND		2.05	1.06		0.41	1.41		0.23	ND		0.46
tert-Butylbenzene	**5**	ND	1.45	ND	1.45	~	~	ND	2.80	ND	2.80	~	~	~	~	ND		0.45	ND		0.90	ND		2.25	ND		0.45	ND		0.31	ND		0.62
1,2,4-Trimethylbenzene	**5**	2.87	0.85	3.02	0.85	~	~	**5.07**	1.40	4.82	1.40	~	~	~	~	4.64		0.35	3.64		0.70	3.86		1.75	3.25		0.35	3.36		0.21	3.89		0.42
sec-Butylbenzene	**5**	ND	1.30	ND	1.30	~	~	ND	2.50	ND	2.50	~	~	~	~	ND		0.34	ND		0.68	ND		1.70	ND		0.34	ND		0.21	ND		0.42
4-Isopropyltoluene	**5**	ND	1.45	ND	1.45	~	~	ND	3.10	ND	3.10	~	~	~	~	ND		0.37	ND		0.74	ND		1.85	ND		0.37	ND		0.19	ND		0.38
n-Butylbenzene	**5**	ND	0.85	ND	0.85	~	~	ND	3.70	ND	3.70	~	~	~	~	ND		0.42	ND		0.84	ND		2.10	ND		0.42	ND		0.24	ND		0.48
Naphthalene	**10G**	**363**	0.85	**390**	0.85	~	~	**421**	2.80	**407**	2.80	~	~	~	~	**276**	D	4.35	**273**		1.74	**387**		4.35	**216**		4.35	**178**		0.37	**318**		0.74
Total VOCs	**NS**	382.54	~	414.7	~	~	~	456.98	~	442.88	~	~	~	~	~	323.903		~	320		~	425.41		~	252		~	207.84		~	342		~
Total TICs	**NS**	112	~	114	~	~	~	~	~	~	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	455		~
Total VOCs & TICs	**NS**	494.54	~	528.7	~	~	~	456.98	~	442.88	~	~	~	~	~	323.903		~	320		~	425.41		~	252		~	207.84		~	797		~
Semi-volatiles (ppb)																																		
Acenaphthalene	**20G**	10.2	0.17	9.13	0.17	~	~	**21.4**	0.17	**23**	0.17	~	~	~	~	**25**		0.17	**22.2**		0.17	**41.2**		0.17	14.3		0.17	**42.6**		0.17	**36.5**		0.412
Flourene	**50**	0.945	0.18	0.908	0.18	~	~	4.04	0.18	4.31	0.18	~	~	~	~	7.57		0.18	6.99		0.18	11.7		0.18	4.63		0.18	14.7		0.18	11.7		0.376
Phenanthrene	**50**	0.135	0.11	0.164	0.11	~	~	0.198	0.11	0.21	0.11	~	~	~	~	1.9		0.11	2.13		0.11	3.62		0.11	1.24		0.11	7.27		0.11	5.22		0.4
Anthracene	**50**	ND	0.14	ND	0.14	~	~	ND	0.14	ND	0.14	~	~	~	~	ND		0.14	0.187		0.14	ND		0.14	ND		0.14	0.409		0.14	ND		0.182
Flouranthene	**50**	ND	0.19	ND	0.19	~	~	ND	0.19	ND	0.19	~	~	~	~	ND		0.19	ND		0.19	ND		0.19	ND		0.19	ND		0.19	ND		0.444
Pyrene	**50**	ND	0.14	ND	0.14	~	~	ND	0.14	ND	0.14	~	~	~	~	ND		0.14	ND		0.14	ND		0.14	ND		0.14	ND		0.14	ND		0.352
Benzo(a)anthracene	**0.002G**	ND	0.15	ND	0.15	~	~	ND	0.15	ND	0.15	~	~	~	~	ND		0.15	ND		0.15	ND		0.15	ND		0.15	ND		0.15	ND		0.6
Chrysene	**0.002G**	ND	0.14	ND	0.14	~	~	ND	0.14	ND	0.14	~	~	~	~	ND		0.14	ND		0.14	ND		0.14	ND		0.14	ND		0.14	ND		0.234
Benzo(b)flouranthene	**0.002G**	ND	0.34	ND	0.34	~	~	ND	0.34	ND	0.34	~	~	~	~	ND		0.34	ND		0.34	ND		0.34	ND		0.34	ND		0.34	ND		0.5
Benzo(k)flouranthene	**0.002G**	ND	0.63	ND	0.63	~	~	ND	0.63	ND	0.63	~	~	~	~	ND		0.63	ND		0.63	ND		0.63	ND		0.63	ND		0.63	ND		0.76
Benzo(a)pyrene	**ND**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	ND		0.2	ND		0.20	ND		0.20	ND		0.2	ND		0.2	ND		0.5
Indeno(1,2,3-cd)pyrene	**0.002G**	ND	0.51	ND	0.51	~	~	ND	0.51	ND	0.51	~	~	~	~	ND		0.51	ND		0.51	ND		0.51	ND		0.51	ND		0.51	ND		0.38
Dibenz(a,h)anthracene	**NS**	ND	0.49	ND	0.49	~	~	ND	0.49	ND	0.49	~	~	~	~	ND		0.49	ND		0.49	ND		0.49	ND		0.49	ND		0.49	ND		0.58
Benzo(g,h,i)perylene	**NS**	ND	0.31	ND	0.31	~	~	ND	0.31	ND	0.31	~	~	~	~	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		0.43
Total SVOCs	**NS**	11.28	~	10.202	~	~	~	25.638	~	27.52	~	~	~	~	~	34.47		~	31.507		~	56.52		~	20.17		~	64.98		~	~		~
Total TICs	**NS**	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~		~	ND		~	~		~	~		~	~		~	~		~
Total TICs & SVOCs	**NS**	11.28	~	10.202	~	~	~	25.638	~	27.52	~	~	~	~	~	34.47		~	31.507		~	56.52		~	20.17		~	64.98		~	~		~
PCBs (ppb)																																		
Aroclor-1016	**0.09**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	**0.09**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	**0.09**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	**0.09**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	**0.09**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	**0.09**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	**0.09**	ND	0.20	ND	0.20	~	~	ND	0.20	ND	0.20	~	~	~	~	~	~		~	~		~	~		~	~		~	~		~	~		~
Metals (ppb)																																		
Antimony	**3**	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Arsenic	**25**	7.7	4.00	7.7	4.00	5.5	4.00	7.72	4.00	7.88	4.00	5.64	4.00	6.22	4.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Beryllium	**3 G**	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Cadmium	**5**	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Chromium	**50**	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Copper	**200**	ND	8.00	ND	8.00	ND	8.00	8.31	8.00	ND	8.00	ND	8.00	ND	8.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Lead	**25**	10	2.00	8.9	2.00	ND	2.00	8.8	2.00	8.39	2.00	ND	2.00	ND	2.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Mercury	**0.7**	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	~	~		~	~		~	~		~	~		~	~		~	~		~
Nickel	**100**	17	4.00	16	4.00	13	4.00	12.7	4.00	12.1	4.00	9.24	4.00	9.07	4.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Selenium	**10**	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Silver	**50**	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	~	~		~	~		~	~		~	~		~	~		~	~		~
Thallium	**0.5 G**	ND	0.40	ND	0.40	ND	0.40	ND	0.40	ND	0.40	ND	0.40	ND	0.40	~	~		~	~		~	~		~	~		~	~		~	~		~
Zinc	**2000 G**	93	8.00	92	8.00	34	8.00	56.5	8.00	50.2	8.00	17.7	8.00	15.3	8.00	~	~		~	~		~	~		~	~		~	~		~	~		~

Notes:
~ - Sample not analyzed for.
ND - Analyzed for but not detected at the MDL.
Samples exceeding the GWQS are depicted in bold highlightedprint.
NS - No Published Standard
D - The compound was reported from the diluted analysis
G- Guidance

TABLE 2
Historical Groundwater Sampling Results
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Well: / **Lab ID:** / **Date:** / **Matrix:**	**NYDEC Groundwater Quality Criteria**	**MW-3** 8911-004 11/12/2002 Aqueous			**MW-3 FILT** 8911-011 11/12/2002 Aqueous			**MW-3** 9872-005 12/12/2002 Aqueous			**MW-3 FILT** 9872-011 12/12/2002 Aqueous			**MW-3** 07735-003 8/12/2004 Aqueous			**MW-3** 10970-003 11/11/2004 Aqueous			**MW-3** 01264-003 02/10/2005 Aqueous			**MW-3** 05309-003 05/20/2005 Aqueous			**MW-3** 03767-004 04/03/2008 Aqueous			**MW-3** 05064-003 05/05/2008 Aqueous		
Volatiles Stars List (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
MTBE	**10**	**21.6**		1.45	~		~	**46.4**		0.23	~		~	**18.6**		0.25	**19**		0.25	**16.8**		0.25	**23.4**		0.5	5.54		0.25	6.19		0.25
Benzene	**1**	**84.4**		1.15	~		~	**94.1**		0.20	~		~	**63.7**		0.39	**52.6**		0.39	**60.6**		0.39	**120**		0.78	**54.3**		0.28	**66.9**		0.28
Toluene	**5**	**6.87**		1.00	~		~	**11.1**		0.34	~		~	**8.27**		0.35	**5.4**		0.35	**9.82**		0.35	**30**		0.7	**7.43**		0.22	**9.2**		0.22
Ethylbenzene	**5**	**76.7**		1.00	~		~	**97.6**		0.28	~		~	**84**		0.33	**37.4**		0.33	**98.7**		0.33	**223**		0.66	**22**		0.23	**47.2**		0.23
Total xylenes	**5**	**45.6**		3.05	~		~	**99.7**		0.39	~		~	**65.4**		1.15	**32.7**		1.15	**79.6**		1.15	**173**		2.3	**21.4**		0.85	**31.2**		0.85
Isopropylbenzene	**5**	**53.3**		1.15	~		~	**52.9**		0.28	~		~	**48.4**		0.35	**37.3**		0.35	**43.4**		0.35	**54**		0.7	**35.9**		0.2	**68.8**		0.2
n-Propylbenzene	**5**	**115**		0.85	~		~	**113**	D	0.50	~		~	**89.3**		0.27	**69.5**		0.27	**81**		0.27	**97.1**		0.54	**49.9**		0.21	**109**		0.21
1,3,5-Trimethylbenzene	**5**	**8.82**		1.45	~		~	**13.9**		0.31	~		~	4.49		0.41	2.8		0.41	**5.37**		0.41	**9.11**		0.82	1.86		0.23	3.49		0.23
tert-Butylbenzene	**5**	ND		1.45	~		~	1.59		0.28	~		~	ND		0.45	ND		0.45	1.2		0.45	ND		0.9	ND		0.31	ND		0.31
1,2,4-Trimethylbenzene	**5**	**20.5**		0.85	~		~	**36.6**		0.14	~		~	**6.8**		0.35	**3.63**		0.35	**10.6**		0.35	**13.6**		0.7	1.78		0.21	3.53		0.21
sec-Butylbenzene	**5**	**9.34**		1.30	~		~	**10.2**		0.25	~		~	**8.65**		0.34	**6.93**		0.34	**8.38**		0.34	**8.1**		0.68	**5.04**		0.21	**11.3**		0.21
4-Isopropyltoluene	**5**	2		1.45	~		~	2.84		0.31	~		~	1.6		0.37	1.05		0.37	1.53		0.37	ND		0.74	0.59		0.19	1.23		0.19
n-Butylbenzene	**5**	**21.1**		0.85	~		~	**22.9**		0.37	~		~	**12.7**		0.42	**11.3**		0.42	**12.9**		0.42	**12.1**		0.84	**6.99**		0.24	**18.4**		0.24
Naphthalene	**10G**	**95.6**		0.85	~		~	**106**	D	0.56	~		~	**72.1**		0.87	**22.9**		0.87	**97.5**		0.87	**146**		1.74	**14.5**		0.37	**18.2**		0.37
Total VOCs	**NS**	560.83		~	~		~	708.83		~	~		~	484.01		~	302.51		~	524.67		~	909.41		~	227.23		~	395		~
Total TICs	**NS**	1635		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	1400		~
Total VOCs & TICs	**NS**	2195.83		~	~		~	708.83		~	~		~	484.01		~	302.51		~	524.67		~	909.41		~	227.23		~	1800		~
Semi-volatiles (ppb)																																	
Acenaphthalene	**20G**	**52.3**		0.17	~		~	**56.2**		0.17	~		~	**42.1**		0.17	**55.3**		0.17	**43.5**		0.17	**36.4**		0.17	**72.4**		0.206	**58.1**		0.206
Flourene	**50**	25.6		0.18	~		~	27.4		0.18	~		~	15.9		0.18	23.8		0.18	15.1		0.18	13.5		0.18	30.1		0.188	23.3		0.188
Phenanthrene	**50**	39.1		0.11	~		~	45.8		0.11	~		~	20		0.11	30.5		0.11	18.5		0.11	14.7		0.11	34.9		0.2	27.3		0.2
Anthracene	**50**	2.59		0.14	~		~	3.32		0.14	~		~	0.679		0.14	1.04		0.14	ND		0.14	0.455		0.14	0.925		0.091	1.04		0.091
Flouranthene	**50**	5.12		0.19	~		~	9.93		0.19	~		~	2.23		0.19	2.8		0.19	1.32		0.19	1.18		0.19	3.56		0.222	2.97		0.222
Pyrene	**50**	2.89		0.14	~		~	5.62		0.14	~		~	1.3		0.14	1.31		0.14	1.05		0.14	0.724		0.14	1.59		0.176	2.18		0.176
Benzo(a)anthracene	**0.002G**	**0.284**		0.15	~		~	**1.18**		0.15	~		~	**0.26**		0.15	**0.232**		0.15	ND		0.15	**0.168**		0.15	ND		0.3	ND		0.3
Chrysene	**0.002G**	**0.338**		0.14	~		~	**1.62**		0.14	~		~	ND		0.14	**0.202**		0.14	ND		0.14	ND		0.14	ND		0.117	ND		0.117
Benzo(b)flouranthene	**0.002G**	ND		0.34	~		~	**0.524**		0.34	~		~	ND		0.34	ND		0.34	ND		0.34	ND		0.34	ND		0.25	ND		0.25
Benzo(k)flouranthene	**0.002G**	ND		0.63	~		~	ND		0.63	~		~	ND		0.63	ND		0.63	ND		0.63	ND		0.63	ND		0.38	ND		0.38
Benzo(a)pyrene	**ND**	ND		0.20	~		~	**0.44**		0.20	~		~	ND		0.2	ND		0.20	ND		0.20	ND		0.2	ND		0.25	ND		0.25
Indeno(1,2,3-cd)pyrene	**0.002G**	ND		0.51	~		~	ND		0.51	~		~	ND		0.51	ND		0.51	ND		0.51	ND		0.51	ND		0.19	ND		0.19
Dibenz(a,h)anthracene	**NS**	ND		0.49	~		~	ND		0.49	~		~	ND		0.49	ND		0.49	ND		0.49	ND		0.49	ND		0.29	ND		0.29
Benzo(g,h,i)perylene	**NS**	ND		0.31	~		~	ND		0.31	~		~	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		0.215	ND		0.215
Total SVOCs	**NS**	128.222		~	~		~	152.034		~	~		~	82.469		~	115		~	79.47		~	67.127		~	143.48		~	~		~
Total TICs	**NS**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Total TICs & SVOCs	**NS**	128.222		~	~		~	152.034		~	~		~	82.469		~	115		~	79.47		~	67.127		~	143.48		~	~		~
PCBs (ppb)																																	
Aroclor-1016	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Metals (ppb)																																	
Antimony	**3**	~		~	~		~	ND		4.00	ND		4.00	~		~	~		~	~		~	~		~	~		~	~		~
Arsenic	**25**	~		~	~		~	5.45		4.00	ND		4.00	~		~	~		~	~		~	~		~	~		~	~		~
Beryllium	**3 G**	~		~	~		~	ND		2.00	ND		2.00	~		~	~		~	~		~	~		~	~		~	~		~
Cadmium	**5**	~		~	~		~	ND		1.00	ND		1.00	~		~	~		~	~		~	~		~	~		~	~		~
Chromium	**50**	~		~	~		~	ND		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~
Copper	**200**	~		~	~		~	16.4		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~
Lead	**25**	**56**		2.00	ND		2.00	**68.4**		2.00	ND		2.00	**79.5**		2.00	17.3		2.00	9.28		2.00	**120**		2.00	14.5		2.00	6.01		2.00
Mercury	**0.7**	~		~	~		~	ND		0.50	ND		0.50	~		~	~		~	~		~	~		~	~		~	~		~
Nickel	**100**	~		~	~		~	8		4.00	ND		4.00	~		~	~		~	~		~	~		~	~		~	~		~
Selenium	**10**	~		~	~		~	ND		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~
Silver	**50**	~		~	~		~	ND		2.00	ND		2.00	~		~	~		~	~		~	~		~	~		~	~		~
Thallium	**0.5 G**	~		~	~		~	ND		0.40	ND		0.40	~		~	~		~	~		~	~		~	~		~	~		~
Zinc	**2000 G**	~		~	~		~	182		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~

Notes:
~ - Sample not analyzed for.
ND - Analyzed for but not detected at the MDL.
Samples exceeding the GWQS are depicted in bold highlightedprint.
NS - No Published Standard
D - The compound was reported from the diluted analysis
G- Guidance Value

TABLE 2
Historical Groundwater Sampling Results
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Well: / **Lab ID:** / **Date:** / **Matrix:**	**NYDEC Groundwater Quality Criteria**	**MW-4** **8911-005** **11/12/2002** **Aqueous**		**MW-4 FILT** **8911-012** **11/12/2002** **Aqueous**		**MW-4** **9872-004** **12/12/2002** **Aqueous**		**MW-4 FILT** **9872-012** **12/12/2002** **Aqueous**		**MW-4** **07735-04** **8/12/2004** **Aqueous**			**MW-4** **10970-004** **11/11/2004** **Aqueous**			**MW-4DUP** **10970-008** **11/11/2004** **Aqueous**			**MW-4** **01264-004** **02/10/2005** **Aqueous**			**MW-4 DUP** **01264-005** **02/10/2005** **Aqueous**			**MW-4** **05309-004** **05/20/2005** **Aqueous**			**MW-4 DUP** **05309-005** **05/20/2005** **Aqueous**			**MW-4** **03767-003** **04/03/2008** **Aqueous**			**MW-4** **05064-004** **05/05/2008** **Aqueous**		
Volatiles Stars List (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
MTBE	**10**	8.78		0.29	~		~	3.58		0.23	~		~	3.33		0.25	6.26		0.25	6.57		0.25	3.98		0.25	3.92		0.25	5.35		0.25	5.74		0.25	ND		0.25	1.18		0.25
Benzene	**1**	**4.86**		0.23	~		~	**1.33**		0.20	~		~	**2.08**		0.39	**1.8**		0.39	**1.87**		0.39	**2.1**		0.39	**2.19**		0.39	**2.7**		0.39	**2.75**		0.39	**1.71**		0.28	**3.21**		0.28
Toluene	**5**	0.885		0.20	~		~	ND		0.34	~		~	0.452		0.35	0.482		0.35	0.499		0.35	ND		0.35	ND		0.35	0.452		0.35	0.484		0.35	0.334		0.22	0.524		0.22
Ethylbenzene	**5**	**10.2**		0.20	~		~	3.93		0.28	~		~	1.1		0.33	ND		0.33	ND		0.33	0.443		0.33	0.445		0.33	0.567		0.33	0.585		0.33	ND		0.23	0.974		0.23
Total xylenes	**5**	**8.82**		0.61	~		~	1.5		0.39	~		~	ND		1.15	ND		1.15	ND		1.15	ND		1.15	ND		1.15	ND		1.15	ND		1.15	ND		0.85	ND		0.85
Isopropylbenzene	**5**	**6.87**		0.23	~		~	1.47		0.28	~		~	3.63		0.35	2.47		0.35	2.65		0.35	2.46		0.35	2.84		0.35	2.71		0.35	2.71		0.35	**5.39**		0.2	**9.54**		0.2
n-Propylbenzene	**5**	**12.5**		0.17	~		~	2.51		0.25	~		~	**5.14**		0.27	2.53		0.27	2.7		0.27	2.88		0.27	3.29		0.27	3.61		0.27	3.59		0.27	**6.34**		0.21	**12.3**		0.21
1,3,5-Trimethylbenzene	**5**	2.59		0.29	~		~	0.73		0.31	~		~	ND		0.41	ND		0.41	ND		0.41	ND		0.41	ND		0.41	ND		0.41	ND		0.41	ND		0.23	ND		0.23
tert-Butylbenzene	**5**	ND		0.29	~		~	ND		0.28	~		~	ND		0.45	ND		0.45	ND		0.45	ND		0.45	ND		0.45	ND		0.45	ND		0.45	ND		0.31	ND		0.31
1,2,4-Trimethylbenzene	**5**	**18.6**		0.17	~		~	2.43		0.14	~		~	ND		0.35	ND		0.35	ND		0.35	ND		0.35	ND		0.35	ND		0.35	ND		0.35	ND		0.21	ND		0.21
sec-Butylbenzene	**5**	2.88		0.26	~		~	0.641		0.25	~		~	1.39		0.34	1.22		0.34	1.36		0.34	1.22		0.34	1.17		0.34	0.898		0.34	0.932		0.34	1.43		0.21	2.64		0.21
4-Isopropyltoluene	**5**	0.391		0.29	~		~	ND		0.31	~		~	ND		0.37	ND		0.37	ND		0.37	ND		0.37	ND		0.37	ND		0.37	ND		0.37	ND		0.19	ND		0.19
n-Butylbenzene	**5**	**5.22**		0.17	~		~	1.4		0.37	~		~	0.989		0.42	NS		0.42	ND		0.42	1.03		0.42	0.686		0.42	0.67		0.42	0.636		0.42	1.14		0.24	2.71		0.24
Naphthalene	**10G**	**31.3**		0.17	~		~	**13.6**		0.28	~		~	2.4		0.87	NS		0.87	ND		0.87	1.78		0.87	1.98		0.87	4.98		0.87	2.03		0.87	1.18		0.37	2.59		0.37
Total VOCs	**NS**	113.896		~	~		~	33.121		~	~		~	20.511		~	14.762		~	15.6		~	15.89		~	16.52		~	21.93		~	19.46		~	17.52		~	35.7		~
Total TICs	**NS**	304.1		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	372		~
Total VOCs & TICs	**NS**	417.996		~	~		~	33.121		~	~		~	20.511		~	14.762		~	15.6		~	15.89		~	16.52		~	21.93		~	19.46		~	17.52		~	408		~
Semi-volatiles (ppb)																																									
Acenaphthalene	**20G**	6.05		0.34	~		~	4.38		0.17	~		~	2.9		0.17	4.27		0.34	4.64		0.34	2.7		0.17	2.16		0.17	2.49		0.17	2.42		0.17	3.41		0.206	4.49		0.206
Flourene	**50**	4.8		0.36	~		~	3.42		0.18	~		~	2.09		0.18	2.54		0.36	3.06		0.36	1.75		0.18	1.49		0.18	1.8		0.18	1.91		0.18	2.27		0.188	2.73		0.188
Phenanthrene	**50**	10.7		0.22	~		~	5.97		0.11	~		~	0.462		0.11	0.282		0.22	0.671		0.22	0.292		0.11	0.29		0.11	0.524		0.11	0.514		0.11	0.617		0.2	1.25		0.2
Anthracene	**50**	0.663		0.28	~		~	0.723		0.14	~		~	0.351		0.14	ND		0.28	ND		0.28	0.236		0.14	ND		0.14	0.202		0.14	0.236		0.14	ND		0.091	0.249		0.091
Flouranthene	**50**	1.76		0.38	~		~	1.38		0.19	~		~	0.421		0.19	0.304	J	0.38	0.463		0.38	0.231		0.19	ND		0.19	0.338		0.19	0.376		0.19	ND		0.222	0.437		0.222
Pyrene	**50**	1.42		0.28	~		~	1.31		0.14	~		~	0.472		0.14	0.356		0.28	0.621		0.28	0.375		0.14	ND		0.14	0.444		0.14	0.406		0.14	ND		0.176	0.509		0.176
Benzo(a)anthracene	**0.002G**	**0.343**		0.30	~		~	**0.472**		0.15	~		~	ND		0.15	ND		0.30	ND		0.30	ND		0.15	ND		0.15	ND		0.15	**0.145**		0.15	ND		0.3	**0.228**	J	0.3
Chrysene	**0.002G**	**0.973**		0.28	~		~	**0.886**		0.14	~		~	**0.228**		0.14	ND		0.28	ND		0.28	ND		0.14	ND		0.14	ND		0.14	**0.134**		0.14	ND		0.117	**0.271**		0.117
Benzo(b)flouranthene	**0.002G**	ND		0.68	~		~	ND		0.34	~		~	ND		0.34	ND		0.68	ND		0.68	ND		0.34	ND		0.34	ND		0.34	ND		0.34	ND		0.25	ND		0.25
Benzo(k)flouranthene	**0.002G**	ND		1.26	~		~	ND		0.63	~		~	ND		0.63	ND		1.26	ND		1.26	ND		0.63	ND		0.63	ND		0.63	ND		0.63	ND		0.38	ND		0.38
Benzo(a)pyrene	**ND**	ND		0.40	~		~	ND		0.20	~		~	ND		0.20	ND		0.40	ND		0.40	ND		0.20	ND		0.20	ND		0.20	ND		0.20	ND		0.25	ND		0.25
Indeno(1,2,3-cd)pyrene	**0.002G**	ND		1.02	~		~	ND		0.51	~		~	ND		0.51	ND		1.02	ND		1.02	ND		0.51	ND		0.51	ND		0.51	ND		0.51	ND		0.19	ND		0.19
Dibenz(a,h)anthracene	**NS**	ND		0.98	~		~	ND		0.49	~		~	ND		0.49	ND		0.98	ND		0.98	ND		0.49	ND		0.49	ND		0.49	ND		0.49	ND		0.29	ND		0.29
Benzo(g,h,i)perylene	**NS**	ND		0.62	~		~	ND		0.31	~		~	ND		0.31	ND		0.62	ND		0.62	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		0.215	ND		0.215
Total SVOCs	**NS**	26.709		~	~		~	18.541		~	~		~	ND		~	7.75		~	9.46		~	5.58		~	3.94		~	5.79		~	6.14		~	6.30		~	~		~
Total TICs	**NS**	~		~	~		~	~		~	~		~	ND		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Total TICs & SVOCs	**NS**	26.709		~	~		~	18.541		~	~		~	ND		~	7.75		~	9.46		~	7.75		~	9.46		~	5.79		~	6.14		~	6.30		~	~		~
PCBs (ppb)																																									
Aroclor-1016	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Metals (ppb)																																									
Antimony	**3**	ND		4.00	ND		4.00	ND		4.00	ND		4.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Arsenic	**25**	**55**		4.00	**30**		4.00	**56.4**		4.00	**50**		4.00	16.9		4.00	13.2		4.00	11.2		4.00	7.61		4.00	7.73		4.00	23		4.00	25		4.00	3.52		2.00	3.19		2.00
Beryllium	**3 G**	ND		2.00	ND		2.00	ND		2.00	ND		2.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Cadmium	**5**	1.1		1.00	ND		1.00	ND		1.00	ND		1.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Chromium	**50**	ND		8.00	ND		8.00	ND		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Copper	**200**	ND		8.00	ND		8.00	22.2		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Lead	**25**	**90**		2.00	ND		2.00	**42.7**		2.00	ND		2.00	14.7		2.00	**40.9**		2.00	**25.1**		2.00	**35.5**		2.00	**37.3**		2.00	**35**		2.00	25		2.00	9.52		2.00	ND		2.00
Mercury	**0.7**	ND		0.50	ND		0.50	ND		0.50	ND		0.50	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Nickel	**100**	12		4.00	ND		4.00	ND		4.00	ND		4.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Selenium	**10**	ND		8.00	ND		8.00	ND		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Silver	**50**	ND		2.00	ND		2.00	ND		2.00	ND		2.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Thallium	**0.5 G**	ND		0.40	ND		0.40	ND		0.40	ND		0.40	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~
Zinc	**2000 G**	683		8.00	ND		8.00	91.7		8.00	ND		8.00	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

Notes:
~ - Sample not analyzed for.
ND - Analyzed for but not detected at the MDL.
Samples exceeding the GWQS are depicted in bold highlightedprint.
NS - No Published Standard
J - Compound detected below the MDL
G- Guidance Value

TABLE 2
Historical Groundwater Sampling Results
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Well: **Lab ID:** **Date:** **Matrix:**	**NYDEC Groundwater Quality Criteria**	**MW-5** **07735-005** **8/12/2004** **Aqueous**			**MW-5** **10970-005** **11/11/2004** **Aqueous**			**MW-5** **01264-006** **02/10/2005** **Aqueous**			**MW-5** **05309-006** **05/20/2005** **Aqueous**			**MW-5** **03767-002** **04/03/2008** **Aqueous**			**MW-5** **05064-005** **05/05/2008** **Aqueous**		
Volatiles Stars List (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
MTBE	**10**	**19.4**		0.25	**29.9**		0.50	**26.6**		0.25	**19.6**		0.25	**7**		0.25	**9.3**		0.25
Benzene	**1**	**3.78**		0.39	**17.8**		0.78	**30.4**		0.39	**12.4**		0.39	0.551		0.28	0.553		0.28
Toluene	**5**	ND		0.35	0.941		0.70	0.614		0.35	0.432		0.35	ND		0.22	ND		0.22
Ethylbenzene	**5**	2.15		0.33	2.67		0.66	2.41		0.33	1.26		0.33	ND		0.23	ND		0.23
Total xylenes	**5**	3.35		1.15	3.6		2.30	**5.51**		1.15	2.56		1.15	1.08		0.85	ND		0.85
Isopropylbenzene	**5**	0.714		0.35	ND		0.70	0.546		0.35	0.606		0.35	0.431		0.2	ND		0.2
n-Propylbenzene	**5**	ND		0.27	ND		0.54	ND		0.27	ND		0.27	ND		0.21	ND		0.21
1,3,5-Trimethylbenzene	**5**	0.877		0.41	ND		0.82	0.965		0.41	0.494		0.41	0.397		0.23	ND		0.23
tert-Butylbenzene	**5**	ND		0.45	ND		0.90	ND		0.45	ND		0.45	ND		0.31	ND		0.31
1,2,4-Trimethylbenzene	**5**	2.68		0.35	2.37		0.70	2.77		0.35	1.44		0.35	0.772		0.21	ND		0.21
sec-Butylbenzene	**5**	ND		0.34	ND		0.68	ND		0.34	ND		0.34	ND		0.21	ND		0.21
4-Isopropyltoluene	**5**	ND		0.37	ND		0.74	ND		0.37	ND		0.37	ND		0.19	ND		0.19
n-Butylbenzene	**5**	ND		0.42	ND		0.84	ND		0.42	ND		0.42	ND		0.24	ND		0.24
Naphthalene	**10G**	**285**	D	4.35	**235**		1.74	**219**	D	4.35	**122**		4.35	**27.5**		0.37	2.24		0.37
Total VOCs	**NS**	113.896		~	292.281		~	288.82		~	161.24		~	37.73		~	12.1		~
Total TICs	**NS**	304.1		~	~		~	~		~	~		~	~		~	35.4		~
Total VOCs & TICs	**NS**	417.996		~	292.281		~	288.82		~	161.24		~	37.73		~	47.5		~
Semi-volatiles (ppb)																			
Acenaphthalene	**20G**	**111**		0.34	**53.3**		0.17	**68.2**		0.34	**25.6**		0.34	**44.8**		0.206	1.64		0.206
Flourene	**50**	**50**		0.36	21.4		0.18	27.1		0.36	10.8		0.36	19.3		0.188	0.326		0.188
Phenanthrene	**50**	**91.8**		0.22	23.9		0.11	29.3		0.22	13.1		0.22	23.2		0.2	0.377		0.2
Anthracene	**50**	5.84		0.28	1.36		0.14	1.64		0.28	0.762		0.28	1.83		0.091	0.205		0.091
Flouranthene	**50**	18.4		0.38	2.19		0.19	2.23		0.38	1.47		0.38	4.47		0.222	0.23		0.222
Pyrene	**50**	13.1		0.28	1.22		0.14	1.86		0.28	0.899		0.28	2.34		0.176	0.453		0.176
Benzo(a)anthracene	**0.002G**	**1.94**		0.30	ND		0.15	ND		0.30	ND		0.30	**0.331**		0.3	**0.272**	J	0.3
Chrysene	**0.002G**	**1.56**		0.28	ND		0.14	ND		0.28	ND		0.28	ND		0.117	**0.215**		0.117
Benzo(b)flouranthene	**0.002G**	ND		0.68	ND		0.34	ND		0.68	ND		0.68	ND		0.25	ND		0.25
Benzo(k)flouranthene	**0.002G**	**112**		1.26	ND		0.63	ND		1.26	ND		1.26	ND		0.38	ND		0.38
Benzo(a)pyrene	**ND**	**50.1**		0.40	ND		0.20	ND		0.40	ND		0.40	ND		0.25	ND		0.25
Indeno(1,2,3-cd)pyrene	**0.002G**	**91.9**		1.02	ND		0.51	ND		1.02	ND		1.02	ND		0.19	ND		0.19
Dibenz(a,h)anthracene	**NS**	5.85		0.98	ND		0.49	ND		0.98	ND		0.98	ND		0.29	ND		0.29
Benzo(g,h,i)perylene	**NS**	**18.5**		0.62	ND		0.31	ND		0.62	ND		0.62	ND		0.215	ND		0.215
Total SVOCs	**NS**	570.43		~	103		~	130.33		~	52.63		~	52.63		~	~		~
Total TICs	**NS**	~		~	~		~	~		~	~		~	~		~	~		~
Total TICs & SVOCs	**NS**	570.43		~	103		~	130.33		~	52.63		~	52.63		~	~		~
PCBs (ppb)																			
Aroclor-1016	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1221	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1232	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1242	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1248	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1254	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~
Aroclor-1260	**0.09**	~		~	~		~	~		~	~		~	~		~	~		~
Metals (ppb)																			
Antimony	**3**	~		~	~		~	~		~	~		~	~		~	~		~
Arsenic	**25**	~		~	~		~	~		~	~		~	~		~	~		~
Beryllium	**3 G**	~		~	~		~	~		~	~		~	~		~	~		~
Cadmium	**5**	~		~	~		~	~		~	~		~	~		~	~		~
Chromium	**50**	~		~	~		~	~		~	~		~	~		~	~		~
Copper	**200**	~		~	~		~	~		~	~		~	~		~	~		~
Lead	**25**	ND		2.00	6.19		2.00	2.32		2.00	2.2		2.00	~		~	~		~
Mercury	**0.7**	~		~	~		~	~		~	~		~	~		~	~		~
Nickel	**100**	~		~	~		~	~		~	~		~	~		~	~		~
Selenium	**10**	~		~	~		~	~		~	~		~	~		~	~		~
Silver	**50**	~		~	~		~	~		~	~		~	~		~	~		~
Thallium	**0.5 G**	~		~	~		~	~		~	~		~	~		~	~		~
Zinc	**2000 G**	~		~	~		~	~		~	~		~	~		~	~		~

Notes:
~ - Sample not analyzed for.
ND - Analyzed for but not detected at the MDL.
Samples exceeding the GWQS are depicted in bold highlighted print.
NS - No Published Standard
D - The compound was reported from the diluted analysis
J - Compound detected below the MDL
G- Guidance Value

TABLE 2
Historical Groundwater Sampling Results
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Well: **Lab ID:** **Date:** **Matrix:**	**NYDEC Groundwater Quality Criteria**	**MW-6** **03737-001** **4/3/2008** **Aqueous**			**MW-6** **05064-006** **5/5/2008** **Aqueous**		
Volatiles Stars List (ppb)		Conc	Q	MDL	Conc	Q	MDL
MTBE	**10**	ND		0.25	ND		0.25
Benzene	**1**	ND		0.28	ND		0.28
Toluene	**5**	ND		0.22	ND		0.22
Ethylbenzene	**5**	ND		0.23	ND		0.23
Total xylenes	**5**	ND		0.85	ND		0.85
Isopropylbenzene	**5**	ND		0.2	ND		0.2
n-Propylbenzene	**5**	ND		0.21	ND		0.21
1,3,5-Trimethylbenzene	**5**	ND		0.23	ND		0.23
tert-Butylbenzene	**5**	ND		0.31	ND		0.31
1,2,4-Trimethylbenzene	**5**	ND		0.21	ND		0.21
sec-Butylbenzene	**5**	ND		0.21	ND		0.21
4-Isopropyltoluene	**5**	ND		0.19	ND		0.19
n-Butylbenzene	**5**	ND		0.24	ND		0.24
Naphthalene	**10G**	ND		0.37	ND		0.37
Total VOCs	**NS**	ND		~	ND		~
Total TICs	**NS**	ND		~	ND		~
Total VOCs & TICs	**NS**	ND		~	ND		~
Semi-volatiles (ppb)		ND			ND		
Acenaphthalene	**20G**	ND		0.206	ND		0.206
Flourene	**50**	ND		0.188	ND		0.188
Phenanthrene	**50**	ND		0.2	ND		0.2
Anthracene	**50**	ND		0.091	ND		0.091
Flouranthene	**50**	ND		0.222	ND		0.222
Pyrene	**50**	ND		0.176	ND		0.176
Benzo(a)anthracene	**0.002G**	ND		0.3	ND		0.3
Chrysene	**0.002G**	ND		0.117	ND		0.117
Benzo(b)flouranthene	**0.002G**	ND		0.25	ND		0.25
Benzo(k)flouranthene	**0.002G**	ND		0.38	ND		0.38
Benzo(a)pyrene	**ND**	ND		0.25	ND		0.25
Indeno(1,2,3-cd)pyrene	**0.002G**	ND		0.19	ND		0.19
Dibenz(a,h)anthracene	**NS**	ND		0.29	ND		0.29
Benzo(g,h,i)perylene	**NS**	ND		0.215	ND		0.215
Total SVOCs	**NS**	ND		~	ND		~
Total TICs	**NS**	ND		~	ND		~
Total TICs & SVOCs	**NS**	ND		~	ND		~
PCBs (ppb)							
Aroclor-1016	**0.09**	~		~	~		~
Aroclor-1221	**0.09**	~		~	~		~
Aroclor-1232	**0.09**	~		~	~		~
Aroclor-1242	**0.09**	~		~	~		~
Aroclor-1248	**0.09**	~		~	~		~
Aroclor-1254	**0.09**	~		~	~		~
Aroclor-1260	**0.09**	~		~	~		~
Metals (ppb)							
Antimony	**3**	~		~	~		~
Arsenic	**25**	2.49		2.00	6.5		2.00
Beryllium	**3 G**	~		~	~		~
Cadmium	**5**	~		~	~		~
Chromium	**50**	~		~	~		~
Copper	**200**	~		~	~		~
Lead	**25**	ND		2.00	2.7		2.00
Mercury	**0.7**	~		~	~		~
Nickel	**100**	~		~	~		~
Selenium	**10**	~		~	~		~
Silver	**50**	~		~	~		~
Thallium	**0.5 G**	~		~	~		~
Zinc	**2000 G**	~		~	~		~

Notes:
~ - Sample not analyzed for.
ND - Analyzed for but not detected at the MDL.
Samples exceeding the GWQS are depicted in bold highlighted print.
NS - No Published Standard
G- Guidance Value

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		**NYSDEC**	**AOC2-EX-1**	**AOC2-EX-2**	**AOC2-EX-3**
Sample Depth:	**NYSDEC**	**Remedial**	**11.0 - 11.5'**	**11.0-11.5'**	**11.0-11.5'**
Lab ID:	**RSCO**	**Program**	**7088-001**	**7088-002**	**7088-003**
Date Sampled:		**Commercial**	**10/08/2001**	**10/08/2001**	**10/08/2001**
Matrix:		**SCO**	**Soil**	**Soil**	**Soil**

Notes:
ND - Not Detected
NA = Not Analyzed
NS = No Published Standard
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
* = Hexavalent Chromium standard cited
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial SCO

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		**NYSDEC**	**AOC2-EX-4**		**AOC2-EX-5**		**AOC2-EX-6**	
Sample Depth:	**NYSDEC**	**Remedial**	**11.0-11.5'**		**11.0-11.5'**		**11.0-11.5'**	
Lab ID:	**RSCO**	**Program**	**7088-004**		**7088-005**		**7088-006**	
Date Sampled:		**Commercial**	**10/08/2001**		**10/08/2001**		**10/08/2001**	
Matrix:		**SCO**	**Soil**		**Soil**		**Soil**	
Volatiles - Stars List 8021 (ppm)			Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
Benzene	**0.06**	**44**	ND	0.0057	ND	0.0058	ND	0.00575
Toluene	**1.5**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
Ethylbenzene	**5.5**	**390**	ND	0.0057	ND	0.0058	ND	0.00575
Total Xylenes	**1.2**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
Isopropylbenzene	**2.3**	**NS**	ND	0.0057	ND	0.0058	ND	0.00575
n-Propylbenzene	**3.7**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	0.0057	ND	0.0058	ND	0.00575
tert-Butylbenzene	**10**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
1,2,4-Trimethylbenzene	**10**	**190**	ND	0.0057	ND	0.0058	ND	0.00575
sec-Butylbenzene	**10**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
4-Isopropyltoluene	**10**	**NS**	ND	0.0057	ND	0.0058	ND	0.00575
n-Butylbenzene	**10**	**NS**	ND	0.0057	ND	0.0058	ND	0.00575
Naphthalene	**13**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
TOTAL VO's:	**NS**	**NS**	ND		ND		ND	
TOTAL TIC's:	**NS**	**NS**	ND		ND		ND	
TOTAL VO's & TIC's:	**NS**	**NS**	ND		ND		ND	
Semivolatiles - Stars List 8027 BN (ppm)								
Acenaphthene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Fluorene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Phenanthrene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Anthracene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Fluoranthene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Pyrene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.11	ND	0.112	ND	0.113
Chrysene	**0.4**	**56**	ND	0.11	ND	0.112	ND	0.113
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.11	ND	0.112	ND	0.113
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.11	ND	0.112	ND	0.113
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.11	ND	0.112	ND	0.113
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.11	ND	0.112	ND	0.113
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.11	ND	0.112	ND	0.113
Benzo[g,h,i]perylene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
TOTAL BN's:	**NS**	**NS**	ND		ND		ND	
Metals (ppm)								
Antimony	**SB**	**NS**	ND	1.14	ND	1.16	ND	1.14
Arsenic	**7.5 or SB**	**16**	ND	1.14	ND	1.16	ND	1.14
Beryllium	**0.16**	**590**	**0.712**	0.572	**1.55**	0.580	**1.37**	0.568
Cadmium	**1 or SB**	**9.3**	ND	0.286	0.366	0.290	0.317	0.284
Chromium	**10 or SB**	**400***	**19.3**	2.29	**27.7**	2.32	**27.8**	2.27
Copper	**25 or SB**	**270**	14.6	2.29	**45.0**	2.32	**31.2**	2.27
Lead	**SB**	**1000**	21.3	0.572	30.8	0.580	43.3	0.568
Mercury	**0.1**	**2.8**	ND	0.0141	ND	0.0146	ND	0.0144
Nickel	**13 or SB**	**310**	**16.1**	1.14	12.2	1.16	**13.6**	1.14
Selenium	**2 or SB**	**1500**	ND	2.29	ND	2.32	ND	2.27
Silver	**SB**	**1500**	ND	0.572	ND	0.580	ND	0.568
Thallium	**SB**	**NS**	0.217	0.114	0.319	0.116	0.313	0.114
Zinc	**20 or SB**	**10000**	**61.8**	2.29	**133**	2.32	**111**	2.27
General Analytical								
Total Petroleum Hydrocarbons (ppm)	**NS**		ND	25.0	78.2	25.0	85.5	25.0

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		NYSDEC	AOC2-EX-4	AOC2-EX-5	AOC2-EX-6
Sample Depth:	NYSDEC	Remedial	11.0-11.5'	11.0-11.5'	11.0-11.5'
Lab ID:	RSCO	Program	7088-004	7088-005	7088-006
Date Sampled:		Commercial	10/08/2001	10/08/2001	10/08/2001
Matrix:		SCO	Soil	Soil	Soil

Notes:
ND - Not Detected
NA = Not Analyzed
NS = No Published Standard
NYSDEC RSCO = New York Department of Environmental Conserva
Recommended Soil Cleanup Objectives presented in NYSDEC Divisio
of Environmental Remediation 12/20/00 Memorandum,
"Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted
Soil Cleanup Objectives, Protection of Public Health and Commercial
Criteria (6NYCRR Subpart 375-6)
* = Hexavalent Chromium standard cited

Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial SCO

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		**NYSDEC**	**AOC2-EX-1**		**AOC2-EX-2**		**AOC2-EX-3**	
Sample Depth:	**NYSDEC**	**Remedial**	**11.0 - 11.5'**		**11.0-11.5'**		**11.0-11.5'**	
Lab ID:	**RSCO**	**Program**	**7088-001**		**7088-002**		**7088-003**	
Date Sampled:		**Commercial**	**10/08/2001**		**10/08/2001**		**10/08/2001**	
Matrix:		**SCO**	**Soil**		**Soil**		**Soil**	
Volatiles - Stars List 8021 (ppm)			Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
Benzene	**0.06**	**44**	ND	0.00565	ND	0.0057	ND	0.0059
Toluene	**1.5**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
Ethylbenzene	**5.5**	**390**	ND	0.00565	ND	0.0057	ND	0.0059
Total Xylenes	**1.2**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
Isopropylbenzene	**2.3**	**NS**	ND	0.00565	ND	0.0057	ND	0.0059
n-Propylbenzene	**3.7**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	0.00565	ND	0.0057	ND	0.0059
tert-Butylbenzene	**10**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
1,2,4-Trimethylbenzene	**10**	**190**	ND	0.00565	ND	0.0057	ND	0.0059
sec-Butylbenzene	**10**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
4-Isopropyltoluene	**10**	**NS**	ND	0.00565	ND	0.0057	ND	0.0059
n-Butylbenzene	**10**	**NS**	ND	0.00565	ND	0.0057	ND	0.0059
Naphthalene	**13**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
TOTAL VO's:	**NS**	**NS**	ND		ND		ND	
TOTAL TIC's:	**NS**	**NS**	ND		ND		ND	
TOTAL VO's & TIC's:	**NS**	**NS**	ND		ND		ND	
Semivolatiles - Stars List 8027 BN (ppm)								
Acenaphthene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Fluorene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Phenanthrene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Anthracene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Fluoranthene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Pyrene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.104	ND	0.113	ND	0.111
Chrysene	**0.4**	**56**	ND	0.104	ND	0.113	ND	0.111
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.104	ND	0.113	ND	0.111
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.104	ND	0.113	ND	0.111
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.104	ND	0.113	ND	0.111
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.104	ND	0.113	ND	0.111
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.104	ND	0.113	ND	0.111
Benzo[g,h,i]perylene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
TOTAL BN's:	**NS**	**NS**	ND		ND		ND	
Metals (ppm)								
Antimony	**SB**	**NS**	ND	1.12	ND	1.14	ND	1.18
Arsenic	**7.5 or SB**	**16**	ND	1.12	ND	1.14	ND	1.18
Beryllium	**0.16**	**590**	**1.62**	0.561	**2.44**	0.570	**2.45**	0.592
Cadmium	**1 or SB**	**9.3**	0.359	0.280	0.629	0.285	0.625	0.296
Chromium	**10 or SB**	**400***	**24.8**	2.24	**25.6**	2.28	**25.7**	2.37
Copper	**25 or SB**	**270**	**26.6**	2.24	24.3	2.28	**33.5**	2.37
Lead	**SB**	**1000**	30.9	0.561	37.5	0.570	27.8	0.592
Mercury	**0.1**	**2.8**	ND	0.014	ND	0.0142	ND	0.0147
Nickel	**13 or SB**	**310**	**13.9**	1.12	**17.7**	1.14	**14.6**	1.18
Selenium	**2 or SB**	**1500**	ND	2.24	ND	2.28	ND	2.37
Silver	**SB**	**1500**	ND	0.561	ND	0.570	ND	0.592
Thallium	**SB**	**NS**	0.310	0.112	0.355	0.114	0.334	0.118
Zinc	**20 or SB**	**10000**	**122**	2.24	**229**	2.28	**203**	2.37
General Analytical								
Total Petroleum Hydrocarbons (ppm)	**NS**		180	25.0	136	25.0	ND	25.0

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		**NYSDEC**	**AOC2-EX-1**	**AOC2-EX-2**	**AOC2-EX-3**
Sample Depth:	**NYSDEC**	**Remedial**	**11.0 - 11.5'**	**11.0-11.5'**	**11.0-11.5'**
Lab ID:	**RSCO**	**Program**	**7088-001**	**7088-002**	**7088-003**
Date Sampled:		**Commercial**	**10/08/2001**	**10/08/2001**	**10/08/2001**
Matrix:		**SCO**	**Soil**	**Soil**	**Soil**

Notes:
ND - Not Detected
NA = Not Analyzed
NS = No Published Standard
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
* = Hexavalent Chromium standard cited
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial SCO

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		**NYSDEC**	**AOC2-EX-4**		**AOC2-EX-5**		**AOC2-EX-6**	
Sample Depth:	**NYSDEC**	**Remedial**	**11.0-11.5'**		**11.0-11.5'**		**11.0-11.5'**	
Lab ID:	**RSCO**	**Program**	**7088-004**		**7088-005**		**7088-006**	
Date Sampled:		**Commercial**	**10/08/2001**		**10/08/2001**		**10/08/2001**	
Matrix:		**SCO**	**Soil**		**Soil**		**Soil**	
Volatiles - Stars List 8021 (ppm)			Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
Benzene	**0.06**	**44**	ND	0.0057	ND	0.0058	ND	0.00575
Toluene	**1.5**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
Ethylbenzene	**5.5**	**390**	ND	0.0057	ND	0.0058	ND	0.00575
Total Xylenes	**1.2**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
Isopropylbenzene	**2.3**	**NS**	ND	0.0057	ND	0.0058	ND	0.00575
n-Propylbenzene	**3.7**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	0.0057	ND	0.0058	ND	0.00575
tert-Butylbenzene	**10**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
1,2,4-Trimethylbenzene	**10**	**190**	ND	0.0057	ND	0.0058	ND	0.00575
sec-Butylbenzene	**10**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
4-Isopropyltoluene	**10**	**NS**	ND	0.0057	ND	0.0058	ND	0.00575
n-Butylbenzene	**10**	**NS**	ND	0.0057	ND	0.0058	ND	0.00575
Naphthalene	**13**	**500**	ND	0.0057	ND	0.0058	ND	0.00575
TOTAL VO's:	**NS**	**NS**	ND		ND		ND	
TOTAL TIC's:	**NS**	**NS**	ND		ND		ND	
TOTAL VO's & TIC's:	**NS**	**NS**	ND		ND		ND	
Semivolatiles - Stars List 8027 BN (ppm)								
Acenaphthene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Fluorene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Phenanthrene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Anthracene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Fluoranthene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Pyrene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.11	ND	0.112	ND	0.113
Chrysene	**0.4**	**56**	ND	0.11	ND	0.112	ND	0.113
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.11	ND	0.112	ND	0.113
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.11	ND	0.112	ND	0.113
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.11	ND	0.112	ND	0.113
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.11	ND	0.112	ND	0.113
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.11	ND	0.112	ND	0.113
Benzo[g,h,i]perylene	**50**	**500**	ND	0.11	ND	0.112	ND	0.113
TOTAL BN's:	**NS**	**NS**	ND		ND		ND	
Metals (ppm)								
Antimony	**SB**	**NS**	ND	1.14	ND	1.16	ND	1.14
Arsenic	**7.5 or SB**	**16**	ND	1.14	ND	1.16	ND	1.14
Beryllium	**0.16**	**590**	**0.712**	0.572	**1.55**	0.580	**1.37**	0.568
Cadmium	**1 or SB**	**9.3**	ND	0.286	0.366	0.290	0.317	0.284
Chromium	**10 or SB**	**400***	**19.3**	2.29	**27.7**	2.32	**27.8**	2.27
Copper	**25 or SB**	**270**	14.6	2.29	**45.0**	2.32	**31.2**	2.27
Lead	**SB**	**1000**	21.3	0.572	30.8	0.580	43.3	0.568
Mercury	**0.1**	**2.8**	ND	0.0141	ND	0.0146	ND	0.0144
Nickel	**13 or SB**	**310**	**16.1**	1.14	12.2	1.16	**13.6**	1.14
Selenium	**2 or SB**	**1500**	ND	2.29	ND	2.32	ND	2.27
Silver	**SB**	**1500**	ND	0.572	ND	0.580	ND	0.568
Thallium	**SB**	**NS**	0.217	0.114	0.319	0.116	0.313	0.114
Zinc	**20 or SB**	**10000**	**61.8**	2.29	**133**	2.32	**111**	2.27
General Analytical								
Total Petroleum Hydrocarbons (ppm)	**NS**		ND	25.0	78.2	25.0	85.5	25.0

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		NYSDEC	AOC2-EX-4	AOC2-EX-5	AOC2-EX-6
Sample Depth:	NYSDEC	Remedial	11.0-11.5'	11.0-11.5'	11.0-11.5'
Lab ID:	RSCO	Program	7088-004	7088-005	7088-006
Date Sampled:		Commercial	10/08/2001	10/08/2001	10/08/2001
Matrix:		SCO	Soil	Soil	Soil

Notes:
ND - Not Detected
NA = Not Analyzed
NS = No Published Standard
NYSDEC RSCO = New York Department of Environmental Conserva
Recommended Soil Cleanup Objectives presented in NYSDEC Divisio
of Environmental Remediation 12/20/00 Memorandum,
"Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted
Soil Cleanup Objectives, Protection of Public Health and Commercial
Criteria (6NYCRR Subpart 375-6)
* = Hexavalent Chromium standard cited

Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial SCO

TABLE 4
Historical Soil Sampling Results
AOC 4 - 275 Gallon Waste Oil UST - West of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID:		Remedial	AOC4-EX-1			AOC4-EX-2			AOC4-EX-3			AOC4-EX-4		
Sample Depth:	NYSDEC	Program	9.5-10'			9.5-10'			9.5-10'			9.5-10'		
Lab ID:	RSCO	Commercial	6663-001			6663-002			6663-003			6663-004		
Date Sampled:		SCO	09/27/2001			09/27/2001			09/27/2001			09/27/2001		
Matrix:			Soil			Soil			Soil			Soil		
Volatiles -Stars list 8021 (ppm)			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND		1.19	ND		0.00575	ND		0.00595	ND		0.0063
Benzene	**0.06**	**44**	ND		1.19	ND		0.00575	ND		0.00595	ND		0.0063
Toluene	**1.5**	**500**	ND		1.19	ND		0.00575	ND		0.00595	ND		0.0063
Ethylbenzene	**5.5**	**390**	0.613	J	1.19	0.00245	J	0.00575	ND		0.00595	ND		0.0063
Total Xylenes	**1.2**	**500**	**18.6**		1.19	0.0021	J	0.00575	ND		0.00595	ND		0.0063
Isopropylbenzene	**2.3**	**NS**	0.530	J	1.19	ND		0.00575	ND		0.00595	ND		0.0063
n-Propylbenzene	**3.7**	**500**	1.14	J	1.19	ND		0.00575	ND		0.00595	ND		0.0063
1,3,5-Trimethylbenzene	**3.3**	**190**	**16.1**		1.19	0.00456	J	0.00575	ND		0.00595	ND		0.0063
tert-Butylbenzene	**10**	**500**	ND		1.19	ND		0.00575	ND		0.00595	ND		0.0063
1,2,4-Trimethylbenzene	**10**	**190**	**32.6**		1.19	0.0082		0.00575	0.00222	J	0.00595	0.00166	J	0.0063
sec-Butylbenzene	**10**	**500**	1.30		1.19	ND		0.00575	ND		0.00595	ND		0.0063
4-Isopropyltoluene	**10**	**NS**	ND		1.19	ND		0.00575	ND		0.00595	ND		0.0063
n-Butylbenzene	**10**	**NS**	ND		1.19	ND		0.00575	ND		0.00595	ND		0.0063
Naphthalene	**13**	**500**	2.75		1.19	ND		0.00575	ND		0.00595	ND		0.0063
Semivolatiles - Stars list 8270 BN (ppm)														
Acenaphthene	**50**	**500**	0.912		0.116	0.808		0.112	0.0808	J	0.111	ND		0.124
Fluorene	**50**	**500**	0.988		0.116	0.614		0.112	ND		0.111	ND		0.124
Phenanthrene	**50**	**500**	3.11		0.116	10.1		0.112	0.466		0.111	ND		0.124
Anthracene	**50**	**500**	0.210		0.116	2.08		0.112	0.165		0.111	ND		0.124
Fluoranthene	**50**	**500**	0.298		0.116	13.2		0.112	0.561		0.111	ND		0.124
Pyrene	**50**	**500**	0.514		0.116	10.6		0.112	0.541		0.111	ND		0.124
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	0.114	J	0.116	**5.74**		0.112	**0.292**		0.111	ND		0.124
Chrysene	**0.4**	**56**	0.392		0.116	**6.12**		0.112	0.379		0.111	ND		0.124
Benzo[b]fluoranthene	**1.1**	**5.6**	ND		0.116	**3.49**		0.112	0.136		0.111	ND		0.124
Benzo[k]fluoranthene	**1.1**	**56**	ND		0.116	**2.22**		0.112	0.182		0.111	ND		0.124
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND		0.116	**3.68**		0.112	**0.227**		0.111	ND		0.124
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND		0.116	2.02		0.112	0.140		0.111	ND		0.124
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND		0.116	**0.961**		0.112	**0.0948**	J	0.111	ND		0.124
Benzo[g,h,i]perylene	**50**	**500**	ND		0.116	2.35		0.112	0.161		0.111	ND		0.124
PCB's (ppm)														
Aroclor-1016	**10**	**1**	ND		0.0162	ND		0.0165	ND		0.0162	ND		0.019
Aroclor-1221	**10**	**1**	ND		0.0162	ND		0.0165	ND		0.0162	ND		0.019
Aroclor-1232	**10**	**1**	ND		0.0162	ND		0.0165	ND		0.0162	ND		0.019
Aroclor-1242	**10**	**1**	ND		0.0162	ND		0.0165	ND		0.0162	ND		0.019
Aroclor-1248	**10**	**1**	ND		0.0162	ND		0.0165	ND		0.0162	ND		0.019
Aroclor-1254	**10**	**1**	ND		0.0162	ND		0.0165	ND		0.0162	ND		0.019
Aroclor-1260	**10**	**1**	ND		0.0162	ND		0.0165	ND		0.0162	ND		0.019
Metals (ppm)														
Antimony	**SB**	**NS**	1.22		1.19	ND		1.19	ND		1.19	ND		1.27
Arsenic	**7.5 or SB**	**16**	ND		1.19	4.89		1.19	2.06		1.19	1.77		1.27
Beryllium	**0.16**	**590**	**1.27**		0.597	**0.623**		0.595	**1.05**		0.595	ND		0.633
Cadmium	**1 or SB**	**9.3**	0.771		0.299	**2.79**		0.298	0.924		0.298	ND		0.316
Chromium	**10 or SB**	**400***	**28.9**		2.39	**34.4**		2.38	**31.8**		2.38	**19.3**		2.53
Copper	**25 or SB**	**270**	**33.1**		2.39	**115**		2.38	**50.4**		2.38	16.6		2.53
Lead	**SB**	**1000**	89.0		0.597	**1250**		0.595	171		0.595	6.84		0.633
Mercury	**0.1**	**2.8**	ND		0.0149	**0.642**		0.0147	0.0966		0.0149	0.0165		0.0156
Nickel	**13 or SB**	**310**	**13.2**		1.19	**64.9**		1.19	**27.8**		1.19	**15.3**		1.27
Selenium	**2 or SB**	**1500**	ND		2.39	ND		2.38	ND		2.38	ND		2.53
Silver	**SB**	**1500**	ND		0.597	1.55		0.595	ND		0.595	ND		0.633
Thallium	**SB**	**NS**	0.384		0.119	0.164		0.119	0.312		0.119	0.172		0.127
Zinc	**20 or SB**	**10000**	**199**		2.39	**1710**		2.38	**341**		2.38	**41.8**		2.53
General Analytical														
Total Petroleum Hydrocarbons (ppm)	**NS**	**NS**	1010		25.0	326		25.0	ND		25.0	ND		25.2

Notes:
ND - Not Detected
J = Result below the MDL
NS = No Published Standard
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
* = Hexavalent Chromium standard cited

Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 4
Historical Soil Sampling Results
AOC 4 - 275 Gallon Waste Oil UST - West of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Lab ID:** **Sample Date:** **Sample Depth (feet bgs):** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-4** **8418-005** **23-Oct-02** **9.5/10** **Soil**		**SS-4DUP** **8418-006** **23-Oct-02** **9.5/10** **Soil**		**SS-5** **8444-001** **23-Oct-02** **14/14.5** **Soil**		**SS-6** **8418-007** **24-Oct-02** **10.5/11** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	~		~		ND		~	
Benzene	**0.06**	**44**	~		~		ND		~	
Toluene	**1.5**	**500**	~		~		ND		~	
Ethylbenzene	**5.5**	**390**	~		~		ND		~	
Total Xylenes	**1.2**	**500**	~		~		ND		~	
Isopropylbenzene	**2.3**	**NS**	~		~		0.0196		~	
n-Propylbenzene	**3.7**	**500**	~		~		ND		~	
1,3,5-Trimethylbenzene	**3.3**	**190**	~		~		ND		~	
tert-Butylbenzene	**10**	**500**	~		~		0.011		~	
1,2,4-Trimethylbenzene	**10**	**190**	~		~		0.0103		~	
sec-Butylbenzene	**10**	**500**	~		~		ND		~	
4-Isopropyltoluene	**10**	**NS**	~		~		ND		~	
n-Butylbenzene	**10**	**NS**	~		~		ND		~	
Naphthalene	**13**	**500**	~		~		0.0409		~	
Semivolatiles - BN Stars List										
Acenaphthene	**50**	**500**	0.114	0.102	0.117	0.106	~		ND	0.105
Fluorene	**50**	**500**	0.104	0.102	0.0981 J	0.106	~		ND	0.105
Phenanthrene	**50**	**500**	0.665	0.102	0.769	0.106	~		ND	0.105
Anthracene	**50**	**500**	0.232	0.102	0.268	0.106	~		ND	0.105
Fluoranthene	**50**	**500**	0.707	0.102	0.871	0.106	~		0.0909 J	0.105
Pyrene	**50**	**500**	0.647	0.102	0.792	0.106	~		0.101 J	0.105
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	**0.306**	0.102	**0.397**	0.106	~		0.0649 J	0.105
Chrysene	**0.4**	**56**	0.343	0.102	**0.424**	0.106	~		0.0782 J	0.105
Benzo[b]fluoranthene	**1.1**	**5.6**	0.239	0.102	0.236	0.106	~		0.0645 J	0.105
Benzo[k]fluoranthene	**1.1**	**56**	0.179	0.102	0.289	0.106	~		ND	0.105
Benzo[a]pyrene	**0.061 or MDL**	**1**	**0.276**	0.102	**0.352**	0.106	~		**0.0659 J**	0.105
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	0.16	0.102	0.18	0.106	~		ND	0.105
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	**0.0861 J**	0.102	**0.0821 J**	0.106	~		ND	0.105
Benzo[g,h,i]perylene	**50**	**500**	0.186	0.102	0.193	0.106	~		ND	0.105

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 4
Historical Soil Sampling Results
AOC 4 - 275 Gallon Waste Oil UST - West of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Lab ID:** **Sample Date:** **Sample Depth (feet bgs):** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-7** **8418-008** **24-Oct-02** **9.5/10** **Soil**		**SS-7DUP** **8418-009** **24-Oct-02** **9.5/10** **Soil**		**SS-15** **8418-018** **25-Oct-02** **9.5/10** **Soil**		**SS-15DUP** **8418-019** **25-Oct-02** **9.5/10** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	~		~		~		~	
Benzene	**0.06**	**44**	~		~		~		~	
Toluene	**1.5**	**500**	~		~		~		~	
Ethylbenzene	**5.5**	**390**	~		~		~		~	
Total Xylenes	**1.2**	**500**	~		~		~		~	
Isopropylbenzene	**2.3**	**NS**	~		~		~		~	
n-Propylbenzene	**3.7**	**500**	~		~		~		~	
1,3,5-Trimethylbenzene	**3.3**	**190**	~		~		~		~	
tert-Butylbenzene	**10**	**500**	~		~		~		~	
1,2,4-Trimethylbenzene	**10**	**190**	~		~		~		~	
sec-Butylbenzene	**5**	**500**	~		~		~		~	
4-Isopropyltoluene	**10**	**NS**	~		~		~		~	
n-Butylbenzene	**5**	**NS**	~		~		~		~	
Naphthalene	**13**	**500**	~		~		~		~	
Semivolatiles - BN Stars List										
Acenaphthene	**50**	**500**	ND	0.116	ND	0.116	0.357	0.108	0.457	0.104
Fluorene	**50**	**500**	ND	0.116	ND	0.116	0.141	0.108	0.195	0.104
Phenanthrene	**50**	**500**	ND	0.116	ND	0.116	0.125	0.108	0.149	0.104
Anthracene	**50**	**500**	ND	0.116	ND	0.116	ND	0.108	ND	0.104
Fluoranthene	**50**	**500**	ND	0.116	ND	0.116	0.0945 J	0.108	0.076 J	0.104
Pyrene	**50**	**500**	ND	0.116	ND	0.116	0.114	0.108	0.0858 J	0.104
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.116	ND	0.116	ND	0.108	ND	0.104
Chrysene	**0.4**	**56**	ND	0.116	ND	0.116	ND	0.108	ND	0.104
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.116	ND	0.116	ND	0.108	ND	0.104
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.116	ND	0.116	ND	0.108	ND	0.104
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.116	ND	0.116	ND	0.108	ND	0.104
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.116	ND	0.116	ND	0.108	ND	0.104
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.116	ND	0.116	ND	0.108	ND	0.108
Benzo[g,h,i]perylene	**50**	**500**	ND	0.116	ND	0.116	ND	0.108	ND	0.108

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 5
Historical Soil Sampling Results
AOC 5 - 10,000 Gallon Gasoline UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Lab ID:** **Sample Date:** **Sample Depth (feet bgs):** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-1** **8418-001** **23-Oct-02** **7/7.5** **Soil**		**SS-1DUP** **8418-002** **23-Oct-02** **7/7.5** **Soil**		**SS-2** **8418-003** **23-Oct-02** **4/4.5** **Soil**		**SS-2** **8418-022** **23-Oct-02** **8/8.5** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.0294	ND	0.0291	ND	0.138	ND	0.0299
Benzene	**0.06**	**44**	ND	0.0294	ND	0.0291	ND	0.138	ND	0.0299
Toluene	**1.5**	**500**	ND	0.0294	ND	0.0291	ND	0.138	ND	0.0299
Ethylbenzene	**5.5**	**390**	ND	0.0294	ND	0.0291	0.987	0.138	0.128	0.0299
Total Xylenes	**1.2**	**500**	ND	0.0294	ND	0.0291	0.53	0.138	0.0342	0.0299
Isopropylbenzene	**2.3**	**NS**	ND	0.0294	ND	0.0291	0.406	0.138	0.099	0.0299
n-Propylbenzene	**3.7**	**500**	ND	0.0294	ND	0.0291	1.15	0.138	0.331	0.0299
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	0.0294	ND	0.0291	ND	0.138	ND	0.0299
tert-Butylbenzene	**10**	**500**	ND	0.0294	ND	0.0291	ND	0.138	0.051	0.0299
1,2,4-Trimethylbenzene	**10**	**190**	ND	0.0294	ND	0.0291	4.17	0.138	0.299	0.0299
sec-Butylbenzene	**10**	**500**	ND	0.0294	ND	0.0291	0.248	0.138	0.0623	0.0299
4-Isopropyltoluene	**10**	**NS**	ND	0.0294	ND	0.0291	0.192	0.138	0.261	0.0299
n-Butylbenzene	**10**	**NS**	ND	0.0294	ND	0.0291	ND	0.138	ND	0.0299
Naphthalene	**13**	**500**	0.0716	0.0294	0.0305	0.0291	2.49	0.138	0.536	0.0299
Semivolatiles - BN Stars List										
Acenaphthene	**50**	**500**	~		~		~		~	
Fluorene	**50**	**500**	~		~		~		~	
Phenanthrene	**50**	**500**	~		~		~		~	
Anthracene	**50**	**500**	~		~		~		~	
Fluoranthene	**50**	**500**	~		~		~		~	
Pyrene	**50**	**500**	~		~		~		~	
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	~		~		~		~	
Chrysene	**0.4**	**56**	~		~		~		~	
Benzo[b]fluoranthene	**1.1**	**5.6**	~		~		~		~	
Benzo[k]fluoranthene	**1.1**	**56**	~		~		~		~	
Benzo[a]pyrene	**0.061 or MDL**	**1**	~		~		~		~	
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	~		~		~		~	
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	~		~		~		~	
Benzo[g,h,i]perylene	**50**	**500**	~		~		~		~	

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 5
Historical Soil Sampling Results
AOC 5 - 10,000 Gallon Gasoline UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Lab ID:** **Sample Date:** **Sample Depth (feet bgs):** **Matrix:**	**NYSDEC RSCO**	**NYSDEC Remedial Program Commercial SCO**	**SS-3** **8418-004** **23-Oct-02** **9.5/10** **Soil**		**SS-14** **8418-017** **25-Oct-02** **6.5/7** **Soil**		**SS-16** **8418-021** **25-Oct-02** **6.5/7** **Soil**	
Volatiles Stars List			Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.562	ND		ND	0.0058
Benzene	**0.06**	**44**	ND	0.562	ND		ND	0.0058
Toluene	**1.5**	**500**	ND	0.562	ND		ND	0.0058
Ethylbenzene	**5.5**	**390**	2.55	0.562	ND		ND	0.0058
Total Xylenes	**1.2**	**500**	**5.1**	0.562	ND		ND	0.0058
Isopropylbenzene	**2.3**	**NS**	1.22	0.562	ND		ND	0.0058
n-Propylbenzene	**3.7**	**500**	3.15	0.562	ND		ND	0.0058
1,3,5-Trimethylbenzene	**3.3**	**190**	3.3	0.562	ND		ND	0.0058
tert-Butylbenzene	**10**	**500**	ND	0.562	ND		ND	0.0058
1,2,4-Trimethylbenzene	**10**	**190**	8.56	0.562	ND		ND	0.0058
sec-Butylbenzene	**5**	**500**	1.42	0.562	ND		ND	0.0058
4-Isopropyltoluene	**10**	**NS**	ND	0.562	ND		ND	0.0058
n-Butylbenzene	**5**	**NS**	ND	0.562	ND		ND	0.0058
Naphthalene	**13**	**500**	2.49	0.562	ND		ND	0.0058
Semivolatiles - BN Stars List								
Acenaphthene	**50**	**500**	~		~		~	
Fluorene	**50**	**500**	~		~		~	
Phenanthrene	**50**	**500**	~		~		~	
Anthracene	**50**	**500**	~		~		~	
Fluoranthene	**50**	**500**	~		~		~	
Pyrene	**50**	**500**	~		~		~	
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	~		~		~	
Chrysene	**0.4**	**56**	~		~		~	
Benzo[b]fluoranthene	**1.1**	**5.6**	~		~		~	
Benzo[k]fluoranthene	**1.1**	**56**	~		~		~	
Benzo[a]pyrene	**0.061 or MDL**	**1**	~		~		~	
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	~		~		~	
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	~		~		~	
Benzo[g,h,i]perylene	**50**	**500**	~		~		~	

Notes:
ND - Not Detected
NA = Not Analyzed
~ = Not Analyzed
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial Soil Cleanup Objective

TABLE 6
Historical Soil Sampling Results
AOC 8 - 2,000 Gallon Fuel Oil UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Sample Depth:** **Lab ID:** **Date Sampled:** **Matrix:**	**NYSDEC RSCO**	**Remedial Program Commercial SCO**	**NT-PE-1B** **9.0'-9.5'** **7218-001** **10/17/2001** **Soil**	**NT-PE-2** **9.0'-9.5'** **7218-002** **10/17/2001** **Soil**	**NT-PE-3** **9.0'-9.5'** **7218-003** **10/17/2001** **Soil**	**NT-PE-4** **9.0'-9.5'** **7218-004** **10/17/2001** **Soil**
Volatiles - Stars list 8021			Conc	Conc	Conc	Conc
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	ND	ND	ND
Benzene	**0.06**	**44**	ND	ND	ND	ND
Toluene	**1.5**	**500**	ND	ND	ND	ND
Ethylbenzene	**5.5**	**390**	ND	ND	ND	ND
Total Xylenes	**1.2**	**500**	ND	ND	ND	ND
Isopropylbenzene	**2.3**	**NS**	ND	ND	ND	ND
n-Propylbenzene	**3.7**	**500**	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	ND	ND	ND
tert-Butylbenzene	**10**	**500**	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**10**	**190**	ND	ND	ND	ND
sec-Butylbenzene	**10**	**500**	ND	ND	ND	ND
4-Isopropyltoluene	**10**	**NS**	ND	ND	ND	ND
n-Butylbenzene	**10**	**NS**	ND	ND	ND	ND
Naphthalene	**13**	**500**	ND	ND	ND	ND
Semivolatiles - Stars list 8270 BN						
Acenaphthene	**50**	**500**	ND	ND	ND	ND
Fluorene	**50**	**500**	ND	ND	ND	ND
Phenanthrene	**50**	**500**	ND	ND	ND	ND
Anthracene	**50**	**500**	ND	ND	ND	ND
Fluoranthene	**50**	**500**	ND	ND	ND	ND
Pyrene	**50**	**500**	ND	ND	ND	ND
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	ND	ND	ND
Chrysene	**0.4**	**56**	ND	ND	ND	ND
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	ND	ND	ND
Benzo[k]fluoranthene	**1.1**	**56**	ND	ND	ND	ND
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	ND	ND	ND
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	ND	ND	ND
Benzo[g,h,i]perylene	**50**	**500**	ND	ND	ND	ND
Total BN'S	NS	NS	ND	ND	ND	ND

Notes:
ND - Not Detected
J = Result below the MDL
NS = No Published Standard
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial SCO

TABLE 6
Historical Soil Sampling Results
AOC 8 - 2,000 Gallon Fuel Oil UST
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Sample ID: **Sample Depth:** **Lab ID:** **Date Sampled:** **Matrix:**	**NYSDEC RSCO**	**Remedial Program Commercial SCO**	**NT-PE-5** **9.0'-9.5'** **7218-005** **10/17/2001** **Soil**	**NT-PE-6** **9.0'-9.5'** **7218-006** **10/17/2001** **Soil**	**NT-PE-7** **9.0'-9.5'** **7218-007** **10/17/2001** **Soil**
Volatiles - Stars list 8021			Conc	Conc	Conc
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	ND	ND
Benzene	**0.06**	**44**	ND	ND	ND
Toluene	**1.5**	**500**	ND	ND	ND
Ethylbenzene	**5.5**	**390**	ND	ND	ND
Total Xylenes	**1.2**	**500**	ND	ND	ND
Isopropylbenzene	**2.3**	**NS**	ND	ND	ND
n-Propylbenzene	**3.7**	**500**	ND	ND	ND
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	ND	ND
tert-Butylbenzene	**10**	**500**	ND	ND	ND
1,2,4-Trimethylbenzene	**10**	**190**	ND	ND	ND
sec-Butylbenzene	**10**	**500**	ND	ND	ND
4-Isopropyltoluene	**10**	**NS**	ND	ND	ND
n-Butylbenzene	**10**	**NS**	ND	ND	ND
Naphthalene	**13**	**500**	ND	ND	ND
Semivolatiles - Stars list 8270 BN					
Acenaphthene	**50**	**500**	ND	ND	ND
Fluorene	**50**	**500**	ND	ND	ND
Phenanthrene	**50**	**500**	ND	ND	ND
Anthracene	**50**	**500**	ND	ND	ND
Fluoranthene	**50**	**500**	ND	ND	ND
Pyrene	**50**	**500**	ND	ND	ND
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	ND	ND
Chrysene	**0.4**	**56**	ND	ND	ND
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	ND	ND
Benzo[k]fluoranthene	**1.1**	**56**	ND	ND	ND
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	ND	ND
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	ND	ND
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	ND	ND
Benzo[g,h,i]perylene	**50**	**500**	ND	ND	ND
Total BN'S	NS	NS	ND	ND	ND

Notes:
ND - Not Detected
J = Result below the MDL
NS = No Published Standard
NYSDEC RSCO = New York Department of Environmental Conservation Recommended Soil Cleanup Objectives presented in NYSDEC Division of Environmental Remediation 12/20/00 Memorandum, "Determination of Soil Cleanup Levels"
NYSDEC Remedial Program Commercial SCO = NYSDEC Restricted Use Soil Cleanup Objectives, Protection of Public Health and Commercial Use Criteria (6NYCRR Subpart 375-6)
Result Exceeds NYSDEC Recommended Soil Cleanup Objective
Result Exceeds NYSDEC Remedial Program Commercial SCO

TABLE 7
Summary of Surface Water Analytical Results
March 8, 2006
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID: **Sample Depth:** **Lab ID:** **Date Sampled:** **Matrix:**	**Guidance Value** **Aquatic Chronic** **A(C)**	**NYSDEC** **Ground Water** **Quality** **Criteria**	**SM-1** **02508-001** **03/08/2006** **Aqueous**		**SM-2** **02508-002** **03/08/2006** **Aqueous**		**SM-3** **02508-003** **03/08/2006** **Aqueous**	
Volatiles - Stars list (ppb)			Conc	MDL	Conc	MDL	Conc	MDL
Methyl tert-butyl ether (MTBE)	**5,100**	**10**	0.388	0.250	0.342	0.250	0.419	0.250
Benzene	**210**	**1**	ND	0.390	ND	0.390	ND	0.390
Toluene	**92**	**5**	ND	0.350	ND	0.350	ND	0.350
Ethylbenzene	**4.5**	**5**	ND	0.330	ND	0.330	ND	0.330
Total Xylenes	**19**	**5**	ND	1.15	ND	1.15	ND	1.15
Isopropylbenzene	**2.6**	**5**	ND	0.350	ND	0.350	ND	0.350
n-Propylbenzene	**NA**	**5**	ND	0.270	ND	0.270	ND	0.270
1,3,5-Trimethylbenzene	**NA**	**5**	ND	0.410	ND	0.410	ND	0.410
tert-Butylbenzene	**NA**	**5**	ND	0.450	ND	0.450	ND	0.450
1,2,4-Trimethylbenzene	**NA**	**5**	ND	0.350	ND	0.350	ND	0.350
sec-Butylbenzene	**NA**	**5**	ND	0.340	ND	0.340	ND	0.340
4-Isopropyltoluene	**NA**	**5**	ND	0.370	ND	0.370	ND	0.370
n-Butylbenzene	**NA**	**5**	ND	0.420	ND	0.420	ND	0.420
Naphthalene	**13**	**10**	ND	0.870	ND	0.870	ND	0.870
Semivolatiles - Stars list (ppb)								
Acenaphthene	**5.3**	**20**	ND	0.085	ND	0.085	ND	0.085
Fluorene	**0.54**	**50**	ND	0.128	ND	0.128	ND	0.128
Phenanthrene	**1.5**	**50**	ND	0.220	ND	0.220	ND	0.220
Anthracene	**3.8**	**50**	ND	0.214	ND	0.214	ND	0.214
Fluoranthene	**50**	**50**	ND	0.288	ND	0.288	ND	0.288
Pyrene	**NA**	**50**	ND	0.144	ND	0.144	ND	0.144
Benzo[a]anthracene	**0.03**	**0.002**	ND	0.130	ND	0.130	ND	0.130
Chrysene	**0.002 H(WS)**	**0.002**	ND	0.142	ND	0.142	ND	0.142
Benzo[b]fluoranthene	**0.002 H(WS)**	**0.002**	ND	0.270	ND	0.270	ND	0.270
Benzo[k]fluoranthene	**0.002 H(WS)**	**0.002**	ND	0.250	ND	0.250	ND	0.250
Benzo[a]pyrene	**0.002 H(WS)**	**0.002**	ND	0.190	ND	0.190	ND	0.190
Indeno[1,2,3-cd]pyrene	**0.002 H(WS)**	**0.002**	ND	0.260	ND	0.260	ND	0.260
Dibenz[a,h]anthracene	**NA**	**50**	ND	0.360	ND	0.360	ND	0.360
Benzo[g,h,i]perylene	**NA**	**5**	ND	0.293	ND	0.293	ND	0.293
Metals (ppb)								
Arsenic	**63**	**25**	ND	2.00	ND	2.00	ND	2.00
Lead	**8**	**25**	ND	2.00	ND	2.00	ND	2.00

Notes:

ppb = all samples measured in parts per billion
(NA) = No Standards Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

TABLE 7
Summary of Surface Water Analytical Results
March 8, 2006
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID: **Sample Depth:** **Lab ID:** **Date Sampled:** **Matrix:**	**Guidance Value** **Aquatic Chronic** **A(C)**	**NYSDEC** **Ground Water** **Quality** **Criteria**	**SM-4** **02508-004** **03/08/2006** **Aqueous**		**SM-5** **02508-005** **03/08/2006** **Aqueous**	
Volatiles - Stars list (ppb)			Conc	MDL	Conc	MDL
Methyl tert-butyl ether (MTBE)	**5,100**	**10**	0.355	0.250	0.369	0.250
Benzene	**210**	**1**	ND	0.390	ND	0.390
Toluene	**92**	**5**	ND	0.350	ND	0.350
Ethylbenzene	**4.5**	**5**	ND	0.330	ND	0.330
Total Xylenes	**19**	**5**	ND	1.15	ND	1.15
Isopropylbenzene	**2.6**	**5**	ND	0.350	ND	0.350
n-Propylbenzene	**NA**	**5**	ND	0.270	ND	0.270
1,3,5-Trimethylbenzene	**NA**	**5**	ND	0.410	ND	0.410
tert-Butylbenzene	**NA**	**5**	ND	0.450	ND	0.450
1,2,4-Trimethylbenzene	**NA**	**5**	ND	0.350	ND	0.350
sec-Butylbenzene	**NA**	**5**	ND	0.340	ND	0.340
4-Isopropyltoluene	**NA**	**5**	ND	0.370	ND	0.370
n-Butylbenzene	**NA**	**5**	ND	0.420	ND	0.420
Naphthalene	**13**	**10**	ND	0.870	ND	0.870
Semivolatiles - Stars list (ppb)						
Acenaphthene	**5.3**	**20**	ND	0.085	ND	0.085
Fluorene	**0.54**	**50**	ND	0.128	ND	0.128
Phenanthrene	**1.5**	**50**	ND	0.220	ND	0.220
Anthracene	**3.8**	**50**	ND	0.214	ND	0.214
Fluoranthene	**50**	**50**	ND	0.288	ND	0.288
Pyrene	**NA**	**50**	ND	0.144	ND	0.144
Benzo[a]anthracene	**0.03**	**0.002**	ND	0.130	ND	0.130
Chrysene	**0.002 H(WS)**	**0.002**	ND	0.142	ND	0.142
Benzo[b]fluoranthene	**0.002 H(WS)**	**0.002**	ND	0.270	ND	0.270
Benzo[k]fluoranthene	**0.002 H(WS)**	**0.002**	ND	0.250	ND	0.250
Benzo[a]pyrene	**0.002 H(WS)**	**0.002**	ND	0.190	ND	0.190
Indeno[1,2,3-cd]pyrene	**0.002 H(WS)**	**0.002**	ND	0.260	ND	0.260
Dibenz[a,h]anthracene	**NA**	**50**	ND	0.360	ND	0.360
Benzo[g,h,i]perylene	**NA**	**5**	ND	0.293	ND	0.293
Metals (ppb)						
Arsenic	**63**	**25**	ND	2.00	ND	2.00
Lead	**8**	**25**	ND	2.00	ND	2.00

Notes:

ppb = all samples measured in parts per billion
(NA) = No Standards Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

TABLE 8
Summary of Ground Water Analytical Results
April 3, 2008
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:	NYSDEC Groundwater	MW-1		MW-2		MW-3	
Lab ID:	Quality	03767-006		03767-005		03767-004	
Date Sampled:	Criteria	04/03/2008		04/03/2008		04/03/2008	
Matrix:	(ppb)	Aqueous		Aqueous		Aqueous	
Volatiles - Stars list (ppb)		Conc	MDL	Conc	MDL	Conc	MDL
Methyl tert-butyl ether (MTBE)	**10**	ND	0.250	9.52	0.250	5.54	0.250
Benzene	**1**	ND	0.280	**3.97**	0.280	**54.3**	0.280
Toluene	**5**	ND	0.220	0.634	0.220	**7.43**	0.220
Ethylbenzene	**5**	ND	0.230	3.19	0.230	**22**	0.230
Total Xylenes	**5**	ND	0.850	**6.84**	0.850	**21.4**	0.850
Isopropylbenzene	**5**	ND	0.200	0.918	0.200	**35.9**	0.200
n-Propylbenzene	**5**	ND	0.210	ND	0.210	**49.9**	0.210
1,3,5-Trimethylbenzene	**5**	ND	0.230	1.41	0.230	1.86	0.230
tert-Butylbenzene	**5**	ND	0.310	ND	0.310	ND	0.310
1,2,4-Trimethylbenzene	**5**	ND	0.210	3.36	0.210	1.78	0.210
sec-Butylbenzene	**5**	ND	0.210	ND	0.210	**5.04**	0.210
4-Isopropyltoluene	**5**	ND	0.190	ND	0.190	0.59	0.190
n-Butylbenzene	**5**	ND	0.240	ND	0.240	**6.99**	0.240
Naphthalene	**10G**	2.08	0.370	**178**	0.370	**14.5**	0.370
Semivolatiles - Stars list (ppb)							
Acenaphthene	**20G**	~	~	**42.6**	0.206	**72.4**	0.206
Fluorene	**50**	~	~	14.7	0.188	30.1	0.188
Phenanthrene	**50**	~	~	7.27	0.200	34.9	0.200
Anthracene	**50**	~	~	0.409	0.091	0.925	0.091
Fluoranthene	**50**	~	~	ND	0.222	3.56	0.222
Pyrene	**50**	~	~	ND	0.176	1.59	0.176
Benzo[a]anthracene	**0.002G**	~	~	ND	0.300	ND	0.300
Chrysene	**0.002G**	~	~	ND	0.117	ND	0.117
Benzo[b]fluoranthene	**0.002G**	~	~	ND	0.250	ND	0.250
Benzo[k]fluoranthene	**0.002G**	~	~	ND	0.380	ND	0.380
Benzo[a]pyrene	**ND**	~	~	ND	0.250	ND	0.250
Indeno[1,2,3-cd]pyrene	**0.002G**	~	~	ND	0.190	ND	0.190
Dibenz[a,h]anthracene	**NS**	~	~	ND	0.290	ND	0.290
Benzo[g,h,i]perylene	**NS**	~	~	ND	0.215	ND	0.215
Metals (ppb)							
Arsenic	**25**	3.3	2.00	~	~	~	~
Lead	**25**	4.07	2.00	~	~	14.5	2.00

Notes:
NS = No Standards Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
Results highlighted and bold indicate a contaminant in exceedance of the NYSDEC GWQC
G - Guidance Value

TABLE 8
Summary of Ground Water Analytical Results
April 3, 2008
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:	NYSDEC Groundwater	MW-4		MW-5		MW-6	
Lab ID:	Quality	03767-003		03767-002		03767-001	
Date Sampled:	Criteria	04/03/2008		04/03/2008		04/03/2008	
Matrix:	(ppb)	Aqueous		Aqueous		Aqueous	
Volatiles - Stars list (ppb)		Conc	MDL	Conc	Conc	Conc	Conc
Methyl tert-butyl ether (MTBE)	**10**	ND	0.250	7	0.250	ND	ND
Benzene	**1**	**1.71**	0.280	0.551	0.280	ND	ND
Toluene	**5**	0.334	0.220	ND	0.220	ND	ND
Ethylbenzene	**5**	ND	0.230	ND	0.230	ND	ND
Total Xylenes	**5**	ND	0.850	1.08	0.850	ND	ND
Isopropylbenzene	**5**	**5.39**	0.200	0.431	0.200	ND	ND
n-Propylbenzene	**5**	**6.34**	0.210	ND	0.210	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	0.230	0.397	0.230	ND	ND
tert-Butylbenzene	**5**	ND	0.310	ND	0.310	ND	ND
1,2,4-Trimethylbenzene	**5**	ND	0.210	0.772	0.210	ND	ND
sec-Butylbenzene	**5**	1.43	0.210	ND	0.210	ND	ND
4-Isopropyltoluene	**5**	ND	0.190	ND	0.190	ND	ND
n-Butylbenzene	**5**	1.14	0.240	ND	0.240	ND	ND
Naphthalene	**10G**	1.18	0.370	**27.5**	0.370	ND	ND
Semivolatiles - Stars list (ppb)							
Acenaphthene	**20G**	3.41	0.206	**44.8**	0.206	ND	ND
Fluorene	**50**	2.27	0.188	19.3	0.188	ND	ND
Phenanthrene	**50**	0.617	0.200	23.2	0.200	ND	ND
Anthracene	**50**	ND	0.091	1.83	0.091	ND	ND
Fluoranthene	**50**	ND	0.222	4.47	0.222	ND	ND
Pyrene	**50**	ND	0.176	2.34	0.176	ND	ND
Benzo[a]anthracene	**0.002G**	ND	0.300	**0.331**	0.300	ND	ND
Chrysene	**0.002G**	ND	0.117	ND	0.117	ND	ND
Benzo[b]fluoranthene	**0.002G**	ND	0.250	ND	0.250	ND	ND
Benzo[k]fluoranthene	**0.002G**	ND	0.380	ND	0.380	ND	ND
Benzo[a]pyrene	**ND**	ND	0.250	ND	0.250	ND	ND
Indeno[1,2,3-cd]pyrene	**0.002G**	ND	0.190	ND	0.190	ND	ND
Dibenz[a,h]anthracene	**NS**	ND	0.290	ND	0.290	ND	ND
Benzo[g,h,i]perylene	**NS**	ND	0.215	ND	0.215	ND	ND
Metals (ppb)							
Arsenic	**25**	3.52	2.00	~	~	2.49	2.49
Lead	**25**	9.52	2.00	~	~	ND	ND

Notes:
NS = No Standards Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
Results highlighted and bold indicate a contaminant in e
G - Guidance Value

TABLE 9
Summary of Ground Water Analytical Results
May 5, 2008
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:	NYSDEC Groundwater	MW-1		MW-2		MW-3	
Lab ID:	Quality	05064-001		05064-002		05064-003	
Date Sampled:	Criteria	05/05/2008		05/05/2008		05/05/2008	
Matrix:	(ppb)	Aqueous		Aqueous		Aqueous	
Volatiles - Stars list (ppb)		Conc	MDL	Conc	MDL	Conc	MDL
Methyl tert-butyl ether (MTBE)	**10**	~	~	7.92	0.500	6.19	0.250
Benzene	**1**	~	~	**3.37**	0.560	**66.9**	0.280
Toluene	**5**	~	~	ND	0.440	**9.2**	0.220
Ethylbenzene	**5**	~	~	2.7	0.460	**47.2**	0.230
Total Xylenes	**5**	~	~	**6.26**	1.70	**31.2**	0.850
Isopropylbenzene	**5**	~	~	ND	0.400	**68.8**	0.200
n-Propylbenzene	**5**	~	~	ND	0.420	**109**	0.210
1,3,5-Trimethylbenzene	**5**	~	~	ND	0.460	3.49	0.230
tert-Butylbenzene	**5**	~	~	ND	0.620	ND	0.310
1,2,4-Trimethylbenzene	**5**	~	~	3.87	0.420	3.53	0.210
sec-Butylbenzene	**5**	~	~	ND	0.420	**11.3**	0.210
4-Isopropyltoluene	**5**	~	~	ND	0.380	1.23	0.190
n-Butylbenzene	**5**	~	~	ND	0.480	**18.4**	0.240
Naphthalene	**10G**	~	~	**325**	0.740	**18.2**	0.370
Semivolatiles - BNA (ppb)							
Acenaphthene	**20G**	~	~	**36.5**	0.412	**58.1**	0.206
Fluorene	**50**	~	~	11.7	0.376	23.3	0.188
Phenanthrene	**50**	~	~	5.22	0.400	27.3	0.200
Anthracene	**50**	~	~	ND	0.182	1.04	0.091
Fluoranthene	**50**	~	~	ND	0.444	2.97	0.222
Pyrene	**50**	~	~	ND	0.352	2.18	0.176
Benzo[a]anthracene	**0.002G**	~	~	ND	0.600	ND	0.300
Chrysene	**0.002G**	~	~	ND	0.234	ND	0.117
Benzo[b]fluoranthene	**0.002G**	~	~	ND	0.500	ND	0.250
Benzo[k]fluoranthene	**0.002G**	~	~	ND	0.760	ND	0.380
Benzo[a]pyrene	**ND**	~	~	ND	0.500	ND	0.250
Indeno[1,2,3-cd]pyrene	**0.002**	~	~	ND	0.380	ND	0.190
Dibenz[a,h]anthracene	**NS**	~	~	ND	0.580	ND	0.290
Benzo[g,h,i]perylene	**NS**	~	~	ND	0.430	ND	0.215
Metals (ppb)							
Arsenic	**25**	4.64	2.0	~	~	~	~
Lead	**25**	ND	2.0	~	~	6.01	2.00

Notes:
NS = No Standards Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
Results highlighted and bold indicate a contaminant in exceedance of the NYSDEC GWQC
G - Guidnace Value

TABLE 9
Summary of Ground Water Analytical Results
May 5, 2008
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:	NYSDEC Groundwater	MW-4		MW-5		MW-6	
Lab ID:	Quality	05064-004		05064-005		05064-006	
Date Sampled:	Criteria	05/05/2008		05/05/2008		05/05/2008	
Matrix:	(ppb)	Aqueous		Aqueous		Aqueous	
Volatiles - Stars list (ppb)		Conc	MDL	Conc	MDL	Conc	MDL
Methyl tert-butyl ether (MTBE)	**10**	1.18	0.250	9.3	0.250	ND	0.250
Benzene	**1**	**3.21**	0.280	0.533	0.280	ND	0.280
Toluene	**5**	0.524	0.220	ND	0.220	ND	0.220
Ethylbenzene	**5**	0.974	0.230	ND	0.230	ND	0.230
Total Xylenes	**5**	ND	0.850	ND	0.850	ND	0.850
Isopropylbenzene	**5**	**9.54**	0.200	ND	0.200	ND	0.200
n-Propylbenzene	**5**	**12.3**	0.210	ND	0.210	ND	0.210
1,3,5-Trimethylbenzene	**5**	ND	0.230	ND	0.230	ND	0.230
tert-Butylbenzene	**5**	ND	0.310	ND	0.310	ND	0.310
1,2,4-Trimethylbenzene	**5**	ND	0.210	ND	0.210	ND	0.210
sec-Butylbenzene	**5**	2.64	0.210	ND	0.210	ND	0.210
4-Isopropyltoluene	**5**	ND	0.190	ND	0.190	ND	0.190
n-Butylbenzene	**5**	2.71	0.240	ND	0.240	ND	0.240
Naphthalene	**10G**	2.59	0.370	2.24	0.370	ND	0.370
Semivolatiles - BNA (ppb)							
Acenaphthene	**20G**	4.49	0.206	1.64	0.206	ND	0.206
Fluorene	**50**	2.73	0.188	0.326	0.188	ND	0.188
Phenanthrene	**50**	1.25	0.200	0.377	0.200	ND	0.200
Anthracene	**50**	0.249	0.091	0.205	0.091	ND	0.091
Fluoranthene	**50**	0.437	0.222	0.23	0.222	ND	0.222
Pyrene	**50**	0.509	0.176	0.453	0.176	ND	0.176
Benzo[a]anthracene	**0.002G**	**0.228**	0.300	**0.272**	0.300	ND	0.300
Chrysene	**0.002G**	**0.271**	0.117	**0.215**	0.117	ND	0.117
Benzo[b]fluoranthene	**0.002G**	ND	0.250	ND	0.250	ND	0.250
Benzo[k]fluoranthene	**0.002G**	ND	0.380	ND	0.380	ND	0.380
Benzo[a]pyrene	**ND**	ND	0.250	ND	0.250	ND	0.250
Indeno[1,2,3-cd]pyrene	**0.002**	ND	0.190	ND	0.190	ND	0.190
Dibenz[a,h]anthracene	**NS**	ND	0.290	ND	0.290	ND	0.290
Benzo[g,h,i]perylene	**NS**	ND	0.215	ND	0.215	ND	0.215
Metals (ppb)							
Arsenic	**25**	3.19	2.00	~	~	6.5	2.00
Lead	**25**	ND	2.00	~	~	2.7	2.00

Notes:
NS = No Standards Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
Results highlighted and bold indicate a contaminant in ex
G - Guidnace Value

Fourth Quarter 2007
Monitoring Well
Purge Guides

Project Name: 1 Warehouse
Project Location: Elmsford, NY
Project Number: 200385
EWMA Personnel: Leeron T., Michelle S.
Weather: Sunny
Date: 4/3/2008

Water Quality Parameters

MW-6		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	8.94	10:50	6.25	5.19	74	1.55	11.4
Depth to Water (final)	8.96	10:55	6.44	5.13	45	0.78	11.9
Depth of Well (ft)	24.00	11:00	6.49	5.11	39	0.76	12.1
Well Diameter (in)	2	11:05	6.51	5.08	34	0.73	12.1
Screen Length (ft)	10.00	11:10	6.52	5.08	31	0.72	12.1
Casing Type	PVC						
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.02						
Purge Start Time	10:50						
Purge End	11:10						
Sample Time	11:11						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	ND						
Odor	None						

Water Quality Parameters

MW-4		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	5.56	12:00	7.18	3.51	479	1.59	10.9
Depth to Water (final)	5.60	12:05	7.08	3.66	103	0.75	11.4
Depth of Well (ft)	25.00	12:10	7.05	3.43	94	0.76	11.3
Well Diameter (in)	2	12:15	7.04	3.41	83	0.71	11.2
Screen Length (ft)	10.00	12:20	7.04	3.40	81	0.68	11.2
Casing Type	PVC						
PID (initial)	1.5						
PID (final)	1.5						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.04						
Purge Start Time	12:00						
Purge End	12:20						
Sample Time	12:21						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	N/A						
Odor	Slight						

* Water Silty/Black - Visible Sheer throughout the entire purge, possible traces of product

Fourth Quarter 2007
Monitoring Well
Purge Guides

Project Name: 1 Warehouse
Project Location: Elmsford, NY
Project Number: 200385
EWMA Personnel: Leeron T., Michelle S.
Weather: Sunny
Date: 4/3/2008

Water Quality Parameters

MW-3		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	5.75	13:05	7.45	0.00	32	11.52	9.9
Depth to Water (final)	5.78	13:10	6.71	2.59	79	1.74	11.8
Depth of Well (ft)	25.50	13:05	6.73	5.79	85	1.29	11.8
Well Diameter (in)	2	13:20	6.73	5.80	83	1.31	11.8
Screen Length (ft)	10.00	13:25	6.74	5.80	85	1.30	11.8
Casing Type	PVC						
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.03						
Purge Start Time	13:05						
Purge End	13:25						
Sample Time	13:26						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	N/A						
Odor	Slight						
* Slight sheen to water							

Water Quality Parameters

MW-5		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	8.32	13:35	6.57	3.360	39	4.00	13.7
Depth to Water (final)	8.34	13:40	6.57	3.360	35	0.67	13.8
Depth of Well (ft)	25.41	13:45	6.58	3.370	33	0.66	13.8
Well Diameter (in)	2	13:50	6.58	3.370	34	0.65	13.8
Screen Length (ft)	10.00	13:55	6.58	3.370	35	0.65	13.8
Casing Type	PVC						
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.02						
Purge Start Time	13:35						
Purge End	13:55						
Sample Time	13:56						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	ND						
Odor	Slight						

Fourth Quarter 2007
Monitoring Well
Purge Guides

Project Name: 1 Warehouse
Project Location: Elmsford, NY
Project Number: 200385
EWMA Personnel: Leeron T., Michelle S.
Weather: Sunny
Date: 4/3/2008

Water Quality Parameters

MW-1		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	5.05	14:20	6.75	8.44	10	2.99	10.90
Depth to Water (final)	5.08	14:25	7.03	13.20	9	1.05	11.10
Depth of Well (ft)	21.00	14:30	7.06	13.00	6	1.03	11.00
Well Diameter (in)	2	14:35	7.09	12.70	5	1.03	11.00
Screen Length (ft)	10.00	14:40	7.10	12.60	6	1.04	11.00
Casing Type	PVC	14:45	7.11	12.50	6	1.04	11.00
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.03						
Purge Start Time	14:20						
Purge End	14:45						
Sample Time	14:46						
Purge Rate (LPM)	0.25						
Purge Volume (L)	6.25						
Depth To Product	N/A						
Odor	None						

Water Quality Parameters

MW-2		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	9.20	15:00	6.73	2.56	201	2.32	11.4
Depth to Water (final)	9.40	15:05	6.55	2.56	188	1.31	11.1
Depth of Well (ft)	30.00	15:10	6.55	2.56	184	1.29	11.1
Well Diameter (in)	2	15:15	6.54	2.56	182	1.22	11.1
Screen Length (ft)	10.00	15:20	6.54	2.55	180	1.2	11.0
Casing Type	PVC						
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.20						
Purge Start Time	15:00						
Purge End	15:20						
Sample Time	15:21						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	N/A						
Odor	Slight						

Project Name:	1 Warehouse
Project Location:	Elmsford, NY
Project Number:	200385
EWMA Personnel:	Leeron T., Michelle S.
Weather:	Sunny
Date:	5/5/2008

Water Quality Parameters

MW-6		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	9.65	10:15	6.34	5.10	89	1.49	13.3
Depth to Water (final)	9.69	10:20	6.49	5.12	31	0.78	13.3
Depth of Well (ft)	24.00	10:25	6.59	5.12	18	0.71	13.4
Well Diameter (in)	2	10:30	6.59	5.12	12	0.69	13.4
Screen Length (ft)	10.00						
Casing Type	PVC						
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.04						
Purge Start Time	10:15						
Purge End	10:30						
Sample Time	10:35						
Purge Rate (LPM)	0.25						
Purge Volume (L)	3.75						
Depth To Product	ND						
Odor	None						

Water Quality Parameters

MW-4		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	6.04	12:00	7.23	3.50	308	1.38	12.6
Depth to Water (final)	6.01	12:05	7.11	3.42	203	0.82	12.6
Depth of Well (ft)	25.00	12:10	7.08	3.39	105	0.77	12.6
Well Diameter (in)	2	12:15	7.05	3.37	86	0.68	12.6
Screen Length (ft)	10.00	12:20	7.06	3.36	70	0.61	12.6
Casing Type	PVC						
PID (initial)	127.0						
PID (final)	25.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	-0.03						
Purge Start Time	11:35						
Purge End	11:55						
Sample Time	11:56						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	N/A						

Odor	Yes						

* Water Silty/Black - Visible Sheer throughout the entire purge, possible traces of product

Water Quality Parameters

MW-3		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	5.72	10:50	6.81	6.63	241	1.26	12.3
Depth to Water (final)	5.79	10:55	6.79	5.44	88	1.27	12.3
Depth of Well (ft)	25.50	11:00	6.79	5.31	70	1.29	12.3
Well Diameter (in)	2	11:05	6.79	5.28	70	1.29	12.3
Screen Length (ft)	10.00	11:10	6.79	5.28	73	1.30	12.3
Casing Type	PVC						
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.07						
Purge Start Time	10:50						
Purge End	11:10						
Sample Time	11:11						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	N/A						
Odor	Slight						
* Slight sheen to water							

Water Quality Parameters

MW-5		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	8.52	12:25	6.57	3.380	20	0.73	13
Depth to Water (final)	8.58	12:30	6.57	3.370	16	0.71	13.2
Depth of Well (ft)	25.41	12:35	6.58	3.370	17	0.69	13.3
Well Diameter (in)	2	12:40	6.58	3.380	18	0.69	13.3
Screen Length (ft)	10.00	12:45	6.58	3.390	18	0.69	13.4
Casing Type	PVC						
PID (initial)	58.0						
PID (final)	15.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.06						
Purge Start Time	12:25						
Purge End	12:45						
Sample Time	13:56						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	ND						
Odor	Yes						

Water Quality Parameters

MW-1	Time	pH	Spec. Cond.	Turbidity	Diss. Ox	Temp.

MW-1		24 Hour		us / cm	NTU	mg / L	oC
Depth to Water (initial)	5.66	13:35	7.10	10.11	28	1.09	12.90
Depth to Water (final)	5.69	13:40	7.11	11.86	12	1.08	12.90
Depth of Well (ft)	21.00	13:45	7.11	11.91	12	1.08	12.90
Well Diameter (in)	2	13:50	7.11	12.33	9	1.07	12.90
Screen Length (ft)	10.00	13:55	7.11	12.33	6	1.06	12.90
Casing Type	PVC	14:00	7.11	12.36	18	1.05	12.90
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.03						
Purge Start Time	13:35						
Purge End	13:55						
Sample Time	13:56						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	N/A						
Odor	None						

Water Quality Parameters

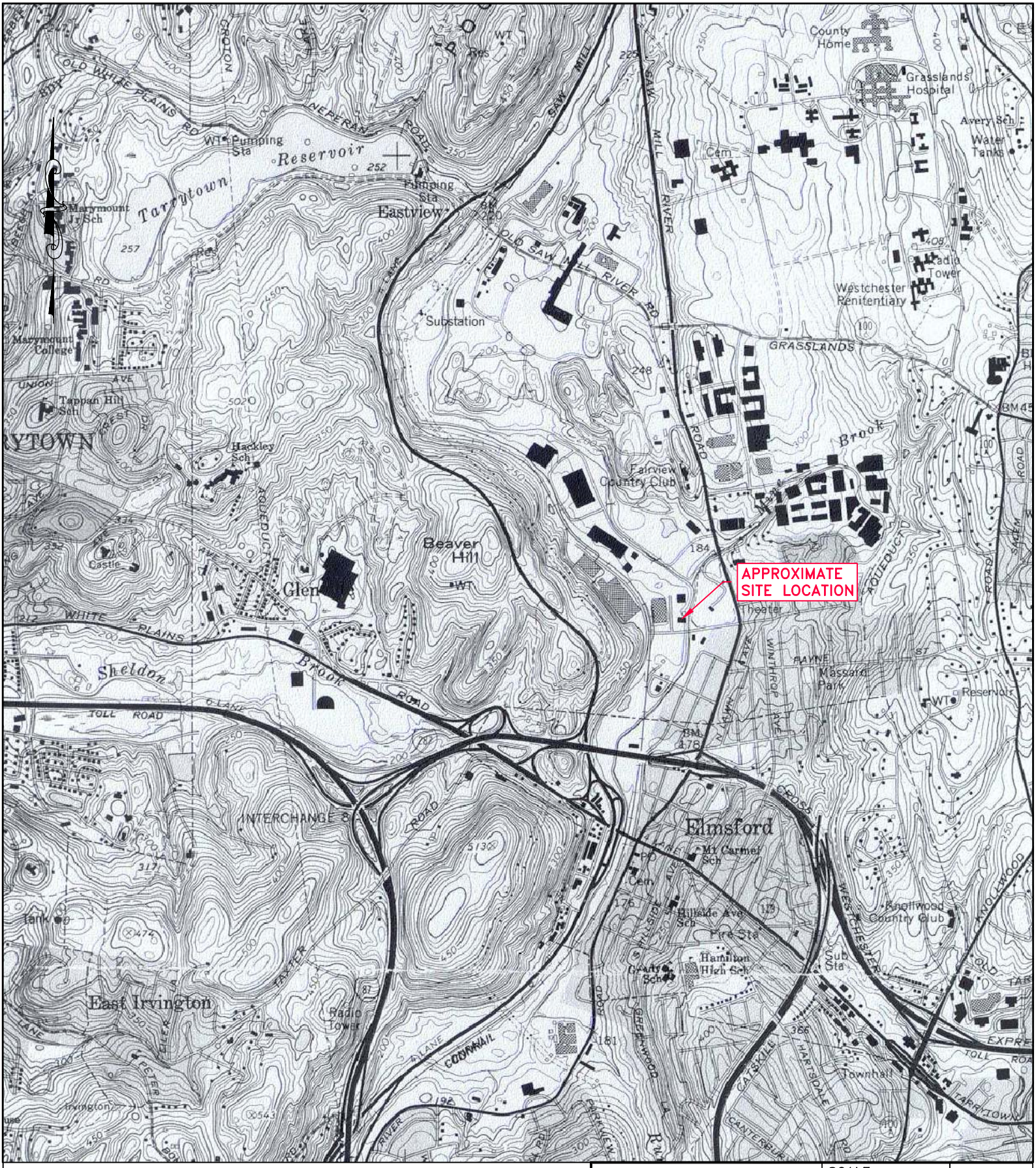
MW-2		Time 24 Hour	pH	Spec. Cond. us / cm	Turbidity NTU	Diss. Ox mg / L	Temp. oC
Depth to Water (initial)	10.20	13:05	6.81	2.48	108	2.50	12.8
Depth to Water (final)	10.24	13:10	6.76	2.46	38	2.00	12.8
Depth of Well (ft)	30.00	13:15	6.60	2.46	30	1.91	12.8
Well Diameter (in)	2	13:20	6.53	2.46	30	1.91	12.8
Screen Length (ft)	10.00	13:25	6.51	2.46	24	1.9	12.8
Casing Type	PVC						
PID (initial)	0.0						
PID (final)	0.0						
Pump Type	Bladder						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.04						
Purge Start Time	13:05						
Purge End	13:25						
Sample Time	13:26						
Purge Rate (LPM)	0.25						
Purge Volume (L)	5						
Depth To Product	N/A						
Odor	Slight						

VOLUNTARY CLEANUP PROGRAM GROUND WATER – REMEDIAL INVESTIGATION REPORT

Property Known As:

1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
EWMA Job #200385
March 2011

FIGURES



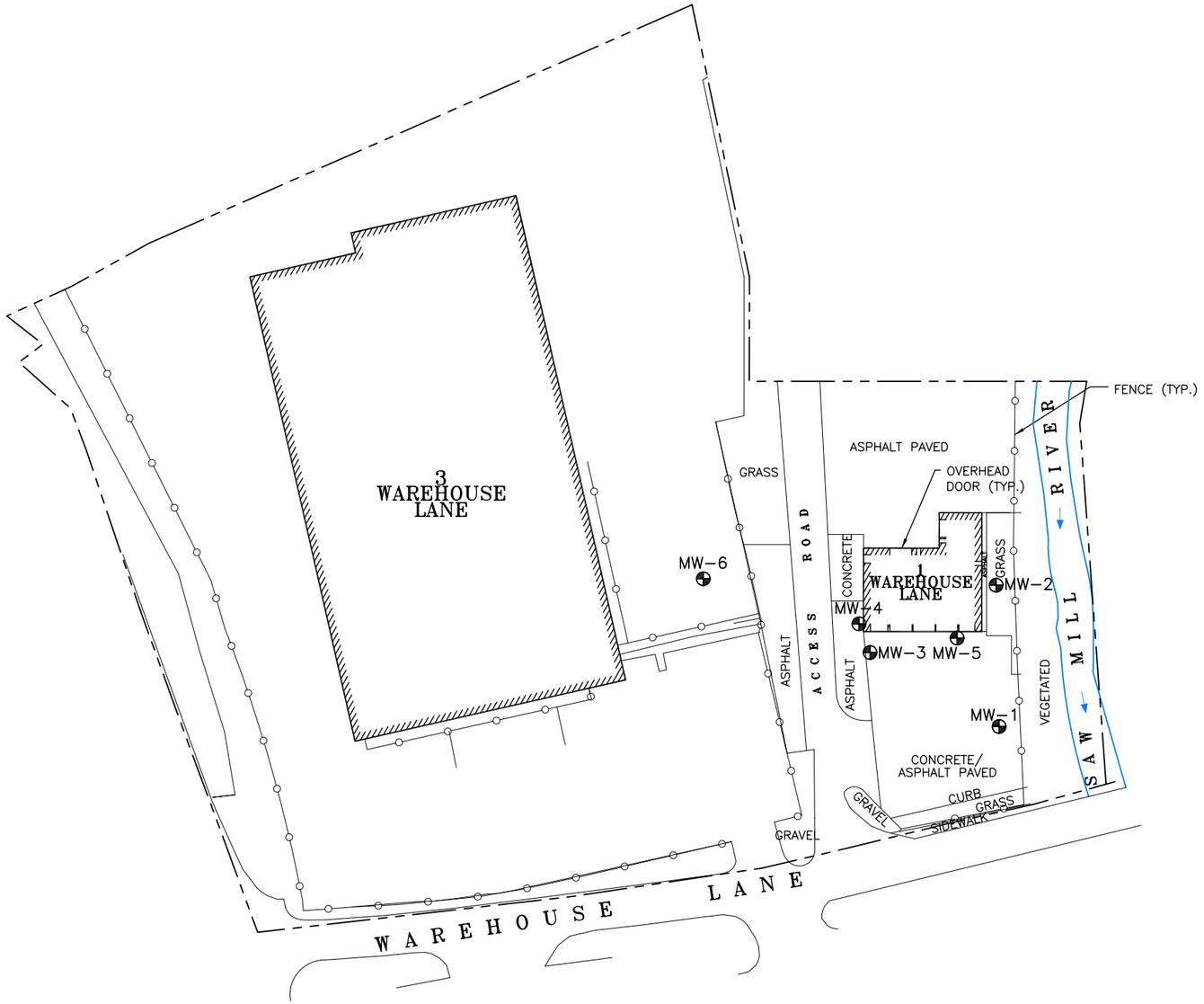
SOURCE: USGS WHITE PLAINS, N.Y. 7.5 MINUTE QUADRANGLE

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: 1" = 2,000'	PROJECT# 200385
DATE: 10/6/10	
DRAWN BY: RR	
CHECKED BY: AK	
FILE: k:\drawings\200000\200385\2010 OCT\200385f1.dwg	

SITE LOCATION
ELMSFORD DISTRIBUTION CENTER
1 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 1



LEGEND

MW–1 MONITORING WELL LOCATION

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)

Environmental Waste Management Associates, LLC P.O. Box 5430 Parsippany, NJ 07054 Tel: (973) 560-1400	SCALE: AS SHOWN DATE: 10/6/10 DRAWN BY: RR CHECKED BY: AK FILE: k:\drawings\200000\200385\2010 OCT\200385f2.dwg	PROJECT# 200385
SITE PLAN ELMSFORD DISTRIBUTION CENTER 1 & 6 WAREHOUSE LANE ELMSFORD, NEW YORK		FIGURE# 2

LEGEND

87.70
MW–1

MONITORING WELL LOCATION WITH GROUND WATER ELEVATION IN FEET BASED ON ASSUMED SURVEYOR ELEVATION DATUM (ASED)

86.0

GROUND WATER CONTOUR WITH ELEVATION IN FEET BASED ON (ASED) WITH FLOW DIRECTION, DASHED WHERE INFERRED

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 10/6/10
PROJECT# 200385
DRAWN BY: RR
CHECKED BY: AK
FILE: k:\drawings\200000\200385\2010 OCT\200385f2.dwg

GROUND WATER CONTOUR PLAN – 4/3/08
ELMSFORD DISTRIBUTION CENTER
1 & 6 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 3

LEGEND

87.09
MW-1

MONITORING WELL LOCATION WITH GROUND WATER ELEVATION
IN FEET BASED ON ASSUMED SURVEYOR ELEVATION DATUM (ASED)

86.0

GROUND WATER CONTOUR WITH ELEVATION
IN FEET BASED ON (ASED) WITH FLOW DIRECTION,
DASHED WHERE INFERRED

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 10/6/10
DRAWN BY: RR
CHECKED BY: AK
FILE: k:\drawings\200000\200385\2010 OCT\200385f2.dwg

PROJECT# 200385

GROUND WATER CONTOUR PLAN – 5/5/08
ELMSFORD DISTRIBUTION CENTER
1 & 6 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 4

LEGEND

83.98
MW-2

MONITORING WELL LOCATION WITH GROUND WATER ELEVATION
IN FEET BASED ON ASSUMED SURVEYOR ELEVATION DATUM (ASED)

86.5

GROUND WATER CONTOUR WITH ELEVATION
IN FEET BASED ON (ASED) WITH FLOW DIRECTION,
DASHED WHERE INFERRED

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)

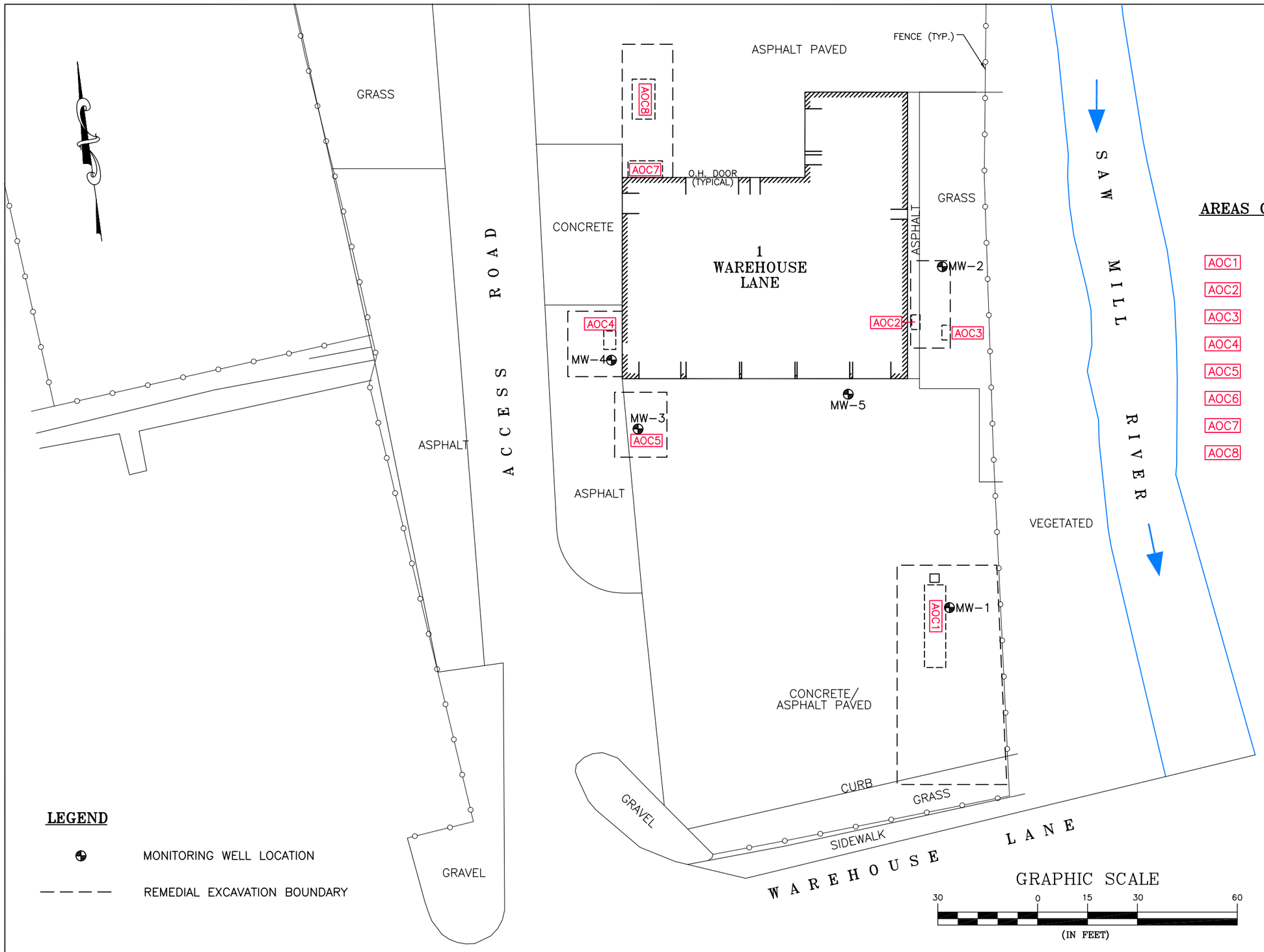
Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 10/6/10
DRAWN BY: RR
CHECKED BY: AK
FILE: k:\drawings\200000\200385\2010 OCT\200385f2.dwg

PROJECT# 200385

GROUND WATER CONTOUR PLAN – 7/14/09
ELMSFORD DISTRIBUTION CENTER
1 & 6 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 5



AREAS OF CONCERN (AOCs)

AOC1	LOCATION OF FORMER 4,000 GALLON DIESEL UST
AOC2	LOCATION OF FORMER 275 GALLON WASTE OIL UST
AOC3	LOCATION OF FORMER 275 GALLON WASTE OIL AST
AOC4	LOCATION OF FORMER 275 GALLON WASTE OIL UST
AOC5	LOCATION OF FORMER 10,000 GALLON GASOLINE UST
AOC6	INTERIOR STAIN
AOC7	LOCATION OF FORMER 1,500 GALLON #2 FUEL OIL AST
AOC8	LOCATION OF FORMER 2,000 GALLON #2 FUEL OIL UST

LEGEND

- MONITORING WELL LOCATION
- REMEDIAL EXCAVATION BOUNDARY

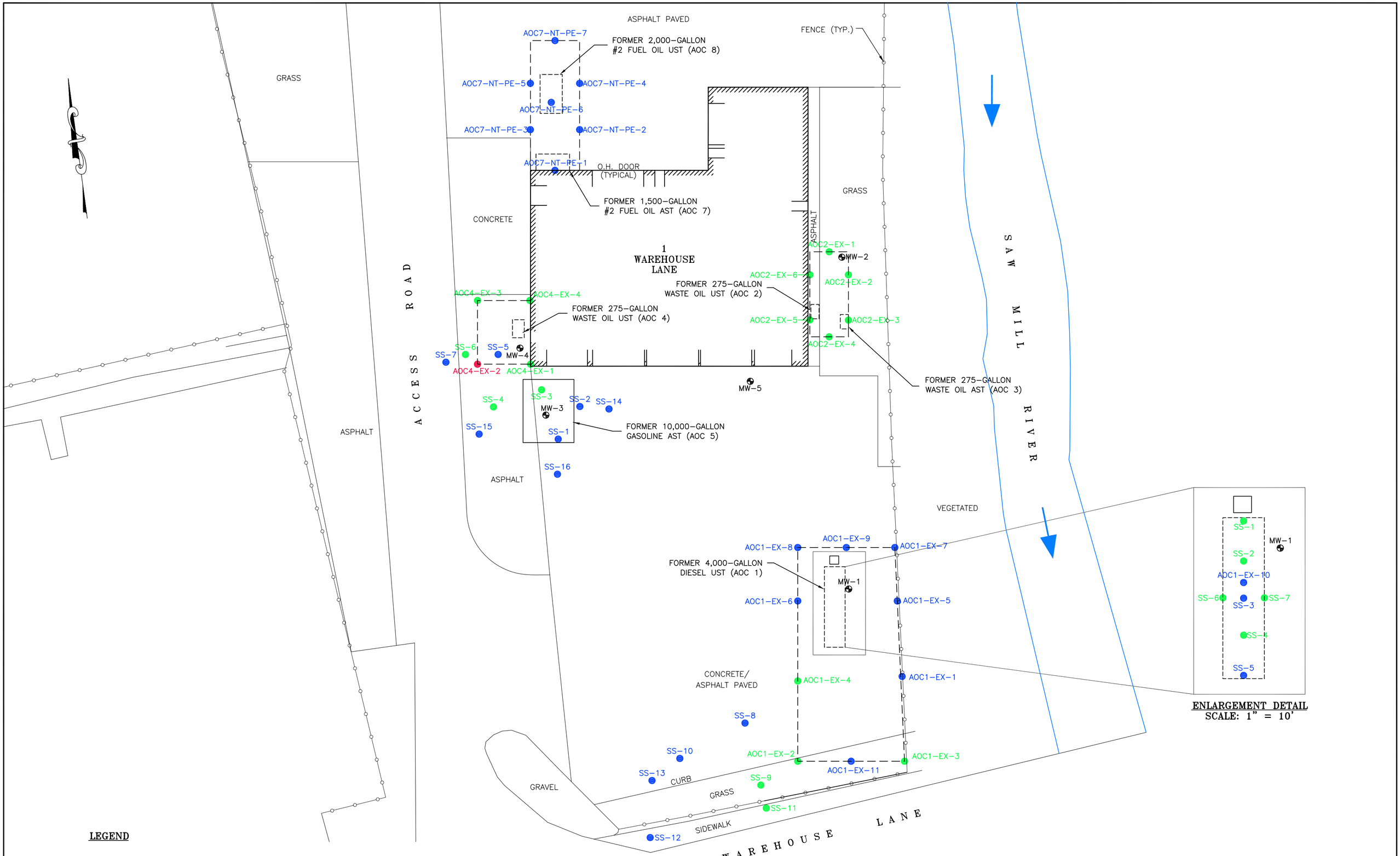
Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 10/6/10
PROJECT# 200385
DRAWN BY: RR
CHECKED BY: AK
FILE: k:\drawings\200000\200385\2010 OCT\200385f6.dwg

AREAS OF CONCERN (AOC) PLAN

ELMSFORD DISTRIBUTION CENTER
1 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 6



ENLARGEMENT DETAIL
SCALE: 1" = 10'

LEGEND

⊕	MONITORING WELL LOCATION
●	POST EXCAVATION & DELINEATION BORING LOCATION WITH RESULTS BELOW RSCO AND BELOW REMEDIAL PROGRAM SCO – COMMERCIAL
●	POST EXCAVATION & DELINEATION BORING LOCATION WITH RESULTS ABOVE RSCO AND BELOW REMEDIAL PROGRAM SCO – COMMERCIAL
●	POST EXCAVATION SOIL SAMPLE LOCATION WITH RESULTS ABOVE RSCO AND ABOVE REMEDIAL PROGRAM SCO – COMMERCIAL
— — — —	REMEDIAL EXCAVATION BOUNDARY
RECOMMENDED SOIL CLEANUP OBJECTIVES	CRITERIA PRESENTED IN NYSDEC DIVISION OF ENVIRONMENTAL REMEDIATION 12/20/00 MEMORANDUM, "DETERMINATION OF SOIL CLEANUP LEVELS"
REMEDIAL PROGRAM SCO	NYSDEC RESTRICTED USE SOIL CLEANUP OBJECTIVES, PROTECTION OF PUBLIC HEALTH, COMMERCIAL USE CRITERIA (6NYCRR SUBPART 375-6)

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 10/6/10
PROJECT# 200385
DRAWN BY: RR
CHECKED BY: AK
FILE: k:\drawings\200000\200385\2010 OCT\200385f7.dwg

2001-2002 SOIL SAMPLE LOCATION PLAN
ELMSFORD DISTRIBUTION CENTER
1 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 7

ID	NYSDEC	MW-2	MW-2 DUP	MW-2 FILT	MW-2	MW-2 DUP	MW-2 FILT	MW-2 DUP FILT	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
DATE		11/12/02	11/12/02	11/12/02	12/12/02	12/12/02	12/12/02	12/12/02	8/12/04	11/11/04	2/10/05	5/20/05	4/3/08	5/5/08
CONTAMINANT	GWQC	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION
MTBE	10	7.42	6.88	~	14.9	15.1	~	~	28.8	31.2	26.4	20.9	9.52	7.87
BENZENE	1	2.17	2.31	~	2.83	2.86	~	~	2.45	2.4	4.65	3.64	3.37	3.37
TOTAL XYLENES	5	3.12	6.79	~	8.6	8.58	~	~	6.26	4.96	ND	4.78	6.84	6.09
1,2,4-TRIMETHYLBENZENE	5	2.87	3.02	~	5.07	4.82	~	~	4.64	3.64	3.86	3.25	3.36	3.89
NAPHTHALENE	10 G	363	390	~	421	407	~	~	276	273	387	216	178	318
ACENAPHTHALENE	20	10.2	9.13	~	21.4	23	~	~	25	22.2	41.2	14.3	42.6	36.5

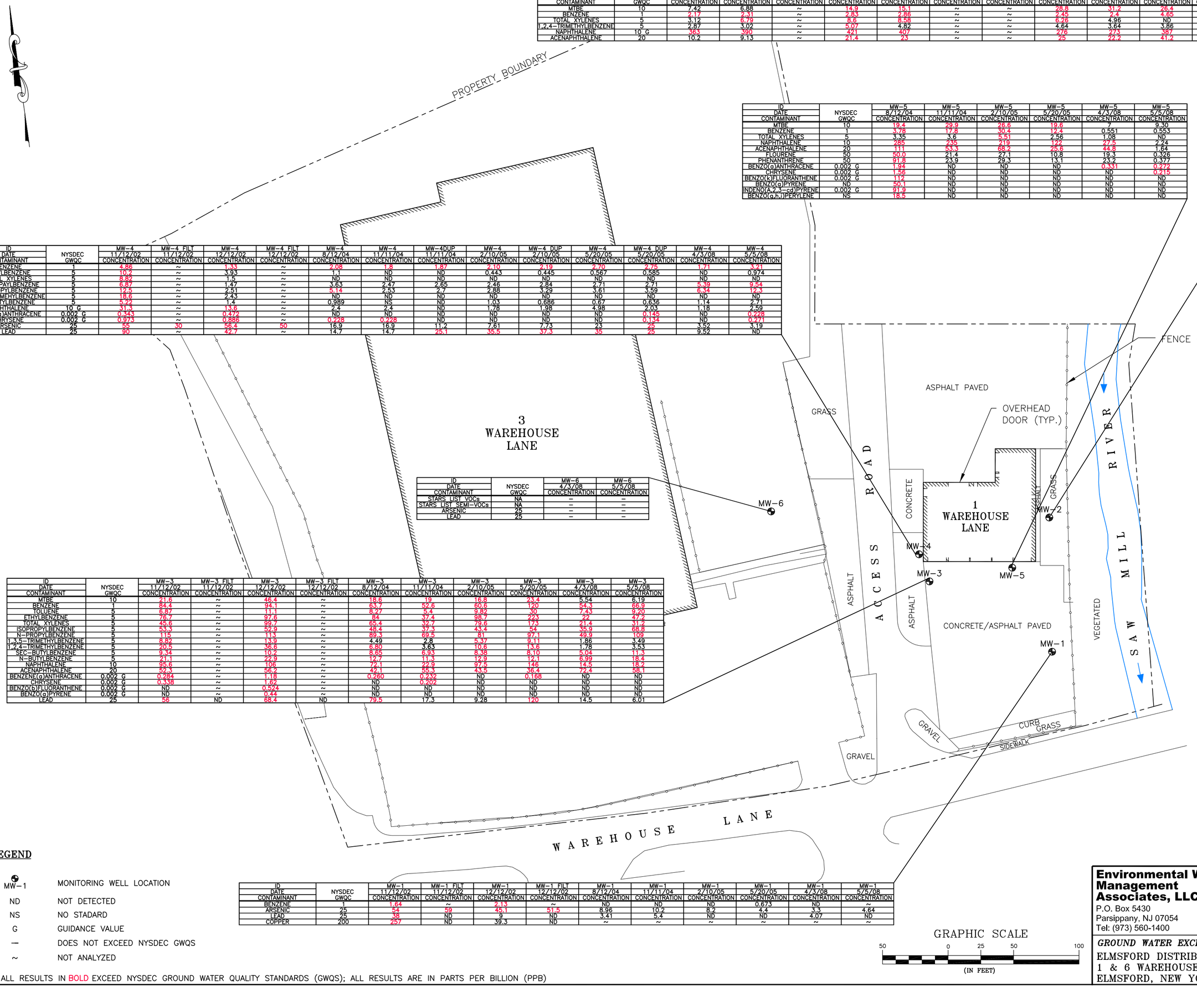
ID	NYSDEC	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
DATE		8/12/04	11/11/04	2/10/05	5/20/05	4/3/08	5/5/08
CONTAMINANT	GWQC	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION
MTBE	10	19.4	29.9	28.6	19.6	7	9.30
BENZENE	1	3.78	17.8	30.4	12.4	0.551	0.553
TOTAL XYLENES	5	3.35	3.6	5.51	2.56	1.08	ND
NAPHTHALENE	10	285	235	219	122	27.5	2.24
ACENAPHTHALENE	20	111	53.3	68.2	25.8	44.8	1.64
FLOURENE	50	50.0	21.4	27.1	10.8	19.3	0.326
PHENANTHRENE	50	91.8	23.9	29.3	13.1	23.2	0.377
BENZO(a)ANTHRACENE	0.002 G	1.94	ND	ND	ND	0.331	0.272
CHRYSENE	0.002 G	1.56	ND	ND	ND	ND	0.215
BENZO(k)FLUORANTHENE	0.002 G	1.12	ND	ND	ND	ND	ND
BENZO(g)PYRENE	ND	50.1	ND	ND	ND	ND	ND
INDENO(A,2,3-cd)PYRENE	0.002 G	91.9	ND	ND	ND	ND	ND
BENZO(g,h,i)PERYLENE	NS	18.5	ND	ND	ND	ND	ND

ID	NYSDEC	MW-4	MW-4 FILT	MW-4	MW-4 FILT	MW-4	MW-4	MW-4DUP	MW-4	MW-4 DUP	MW-4	MW-4 DUP	MW-4	MW-4
DATE		11/12/02	11/12/02	12/12/02	12/12/02	8/12/04	11/11/04	11/11/04	2/10/05	2/10/05	5/20/05	5/20/05	4/3/08	5/5/08
CONTAMINANT	GWQC	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION
BENZENE	1	4.86	~	1.33	~	2.08	1.8	1.87	2.10	2.19	2.70	2.75	1.71	3.21
ETHYLBENZENE	5	10.2	~	3.93	~	1.1	ND	ND	0.443	0.445	0.567	0.585	ND	0.974
TOTAL XYLENES	5	8.82	~	1.5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPROPAYLBENZENE	5	6.87	~	1.47	~	3.63	2.47	2.65	2.46	2.84	2.71	2.71	5.39	9.54
N-PROPYLBENZENE	5	12.5	~	2.51	~	5.14	2.53	2.7	2.88	3.29	3.61	3.59	6.34	12.3
1,2,4-TRIMEHYLBENZENE	5	18.6	~	2.43	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-BUTYLBENZENE	5	5.22	~	1.4	~	0.989	NS	ND	1.03	0.686	0.67	0.636	1.14	2.71
NAPHTHALENE	10 G	31.3	~	13.6	~	2.4	2.4	ND	1.78	1.98	4.98	2.03	1.18	2.59
BENZO(a)ANTHRACENE	0.002 G	0.343	~	0.472	~	ND	ND	ND	ND	ND	ND	0.145	ND	0.228
CHRYSENE	0.002 G	0.973	~	0.886	~	0.228	0.228	ND	ND	ND	ND	0.134	ND	0.271
ARSENIC	25	55	30	56.4	50	16.9	16.9	11.2	7.61	7.73	23	25	3.52	3.19
LEAD	25	90	~	42.7	~	14.7	14.7	25.1	35.5	37.3	35	25	9.52	ND

ID	NYSDEC	MW-6	MW-6
DATE		4/3/08	5/5/08
CONTAMINANT	GWQC	CONCENTRATION	CONCENTRATION
STARS LIST VOCs	NA	–	–
STARS LIST SEMI-VOCs	NA	–	–
ARSENIC	25	–	–
LEAD	25	–	–

ID	NYSDEC	MW-3	MW-3 FILT	MW-3	MW-3 FILT	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
DATE		11/12/02	11/12/02	12/12/02	12/12/02	8/12/04	11/11/04	2/10/05	5/20/05	4/3/08	5/5/08
CONTAMINANT	GWQC	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION
MTBE	10	21.6	~	46.4	~	18.6	19	16.8	23.4	5.54	6.19
BENZENE	1	84.4	~	94.1	~	63.7	52.6	80.6	120	54.1	66.9
TOLUENE	5	6.87	~	11.1	~	8.27	5.4	9.82	30	7.43	9.20
ETHYLBENZENE	5	76.7	~	97.6	~	84	37.4	98.7	223	22	47.2
TOTAL XYLENES	5	45.6	~	99.7	~	65.4	32.7	79.6	173	21.4	31.2
ISOPROPYLBENZENE	5	53.3	~	52.9	~	48.4	37.3	43.4	54	35.9	68.8
N-PROPYLBENZENE	5	115	~	113	~	89.3	69.5	81	97.1	49.9	109
1,3,5-TRIMETHYLBENZENE	5	8.82	~	13.9	~	4.49	2.8	5.37	9.11	1.86	3.49
1,2,4-TRIMETHYLBENZENE	5	20.5	~	36.6	~	6.80	3.63	10.6	13.6	1.78	3.53
SEC-BUTYLBENZENE	5	9.34	~	10.2	~	8.65	6.93	8.38	8.10	5.04	11.3
N-BUTYLBENZENE	5	21.1	~	22.9	~	12.7	11.3	12.9	12.1	6.99	18.4
NAPHTHALENE	10	95.6	~	106	~	72.1	22.9	97.5	146	14.5	18.2
ACENAPHTHALENE	20	52.3	~	56.2	~	42.1	55.3	43.5	36.4	72.4	58.1
BENZENE(a)ANTHRACENE	0.002 G	0.284	~	1.18	~	0.260	0.232	ND	0.168	ND	ND
CHRYSENE	0.002 G	0.338	~	1.62	~	ND	0.202	ND	ND	ND	ND
BENZO(b)FLUORANTHENE	0.002 G	ND	~	0.524	~	ND	ND	ND	ND	ND	ND
BENZO(a)PYRENE	0.002 G	ND	~	0.44	~	ND	ND	ND	ND	ND	ND
LEAD	25	58	ND	68.4	ND	79.5	17.3	9.28	120	14.5	6.01

ID	NYSDEC	MW-1	MW-1 FILT	MW-1	MW-1 FILT	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
DATE		11/12/02	11/12/02	12/12/02	12/12/02	8/12/04	11/11/04	2/10/05	5/20/05	4/3/08	5/5/08
CONTAMINANT	GWQC	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION
BENZENE	1	1.64	~	2.13	~	ND	ND	ND	0.673	ND	~
ARSENIC	25	54	59	45.1	51.5	8.96	10.2	8.2	4.4	3.3	4.64
LEAD	25	38	ND	9	ND	3.41	5.4	ND	ND	4.07	ND
COPPER	200	257	ND	39.3	ND	~	~	~	~	~	~



LEGEND

MW-1	MONITORING WELL LOCATION
ND	NOT DETECTED
NS	NO STADARD
G	GUIDANCE VALUE
–	DOES NOT EXCEED NYSDEC GWQS
~	NOT ANALYZED

NOTES: ALL RESULTS IN **BOLD** EXCEED NYSDEC GROUND WATER QUALITY STANDARDS (GWQS); ALL RESULTS ARE IN PARTS PER BILLION (PPB)

GRAPHIC SCALE

50 0 25 50 100

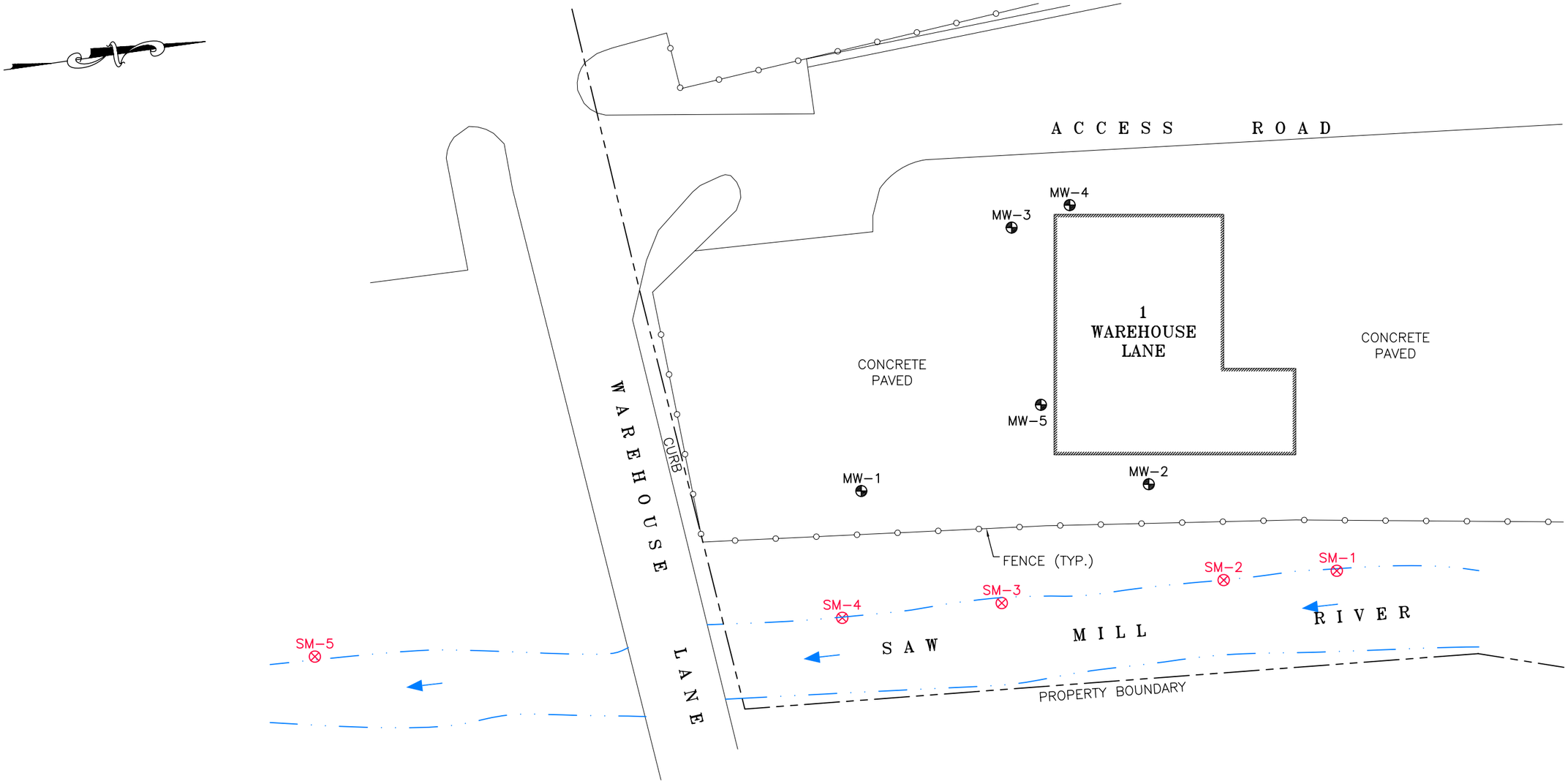
(IN FEET)

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 10/6/10
DRAWN BY: RR
CHECKED BY: AK
FILE: k:\drawings\200000\200385\2010 OCT\200385f8.dwg
PROJECT# 200385

GROUND WATER EXCEEDANCE PLAN
ELMSFORD DISTRIBUTION CENTER
1 & 6 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 8



LEGEND

MW-1 MONITORING WELL LOCATION

SURFACE WATER SAMPLE LOCATION

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

An Environmental Consulting & Remediation Firm
100 Misty Lane
P.O. Box 5430
Parsippany, NJ 07054

SCALE: AS SHOWN

DATE: 10/6/10

DRAWN BY: RR

CHECKED BY: AK

FILE: k:\drawings\200000\200385\2010 OCT\200385f9.dwg

PROJECT# 200385

SURFACE WATER SAMPLE LOCATION - 3/8/06

ELMSFORD DISTRIBUTION CENTER
1 & 6 WAREHOUSE LANE
ELMSFORD, NEW YORK

FIGURE# 9

VOLUNTARY CLEANUP PROGRAM GROUND WATER – REMEDIAL INVESTIGATION REPORT

Property Known As:

1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
EWMA Job #200385
March 2011

APPENDIX I

NYDEC November 4, 2003 Correspondence

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Eastern Remedial Action
625 Broadway, 12th Floor
Albany, New York 12233-7016
Phone: (518) 402-9775 • Fax: (518) 402-9773
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

TO: Rob Edgar
FR: Jay Jaffe

RECEIVED
NOV 7 2003
FARER FERSKO

November 4, 2003

Jay Jaffe
Farer Fersko
600 South Avenue
P.O. Box 580
Westfield, NJ 07091-0580

Re: 1 Warehouse Lane, Site # V00262-3
Elmsford Distribution Center
Voluntary Cleanup Program
Final Completion Report

Dear Mr. Jaffe:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have reviewed the July 2003 Voluntary Cleanup Program Final Completion Report prepared by EWMA.

1. Section 6.1, Former 4,000-Gallon Diesel UST. Contrary to the report, the former 2,000-gallon gasoline UST is not depicted on the site plan, Figure 2.

2. Section 6.1.1, September 2001 UST Closure and Soil Excavation Activities. My last name is spelled incorrectly.

3. Section 6.1.4, Groundwater Sampling. Based on the groundwater contours illustrated in Figures 6 and 7, MW-2 appears to be the down gradient well, not MW-1 as the report states.

4. Section 7.4, 275-Gallon Capacity UST West of Building. Was the free product seen seeping from beneath the foundation indicative of another source beneath the building?

   The report implies that the soil metals data obtained during the investigation of the 6 Warehouse Lane property provides background for this site. The 6 Warehouse Lane property was graded with metals contaminated fill prior to development. If this is also the case for the 1Warehouse Lane property, it should be discussed. The contention that the elevated metals concentrations are comparable to site background must be supported with documentation in this report. This report must stand alone without reference to reports and investigations for other sites.

5. Section 7.5, Former 10,000-Gallon Capacity UST Excavation. The agencies concur that at least one additional monitoring well is needed considering the remaining groundwater contamination.

However, based on the groundwater contours shown on Figures 6 and 7, the proposed location of MW-5 is not down gradient from the former location of the 10,000-gallon UST.

6. Section 7.6, Interior Oil Staining. The report does no state that the oil/water separator and the pipes leading out to the former waste oil UST and the Saw Mill River have been properly filled and sealed. Even with the floor drains sealed, these would provide a pathway from the building for future spills. If pathway has been closed, please elaborate in the report. If not, the pathway must be properly filled and sealed.

7. The NYSDEC generally concurs that a groundwater monitoring program is required. The NYSDEC will decide if further monitoring and/or remediation is required based on the findings of the proposed four quarterly sampling rounds.

8. Appendix 3 is a comment letter for the Site Assessment Report for 6 Warehouse Lane.

Please address the above comments and submit a final version of Volume 1 of the final Investigation Report within thirty days. I can be contacted at 518-402-9775 if you have any questions.

Sincerely,

Michael MacCabe, P.E.
Senior Environmental Engineer
Division of Environmental Remediation

c: R. Edgar (EWMA)
M. MacCabe / file
A. Quartararo
M. Knudsen, (NYSDOH)

cc: J. Aversa

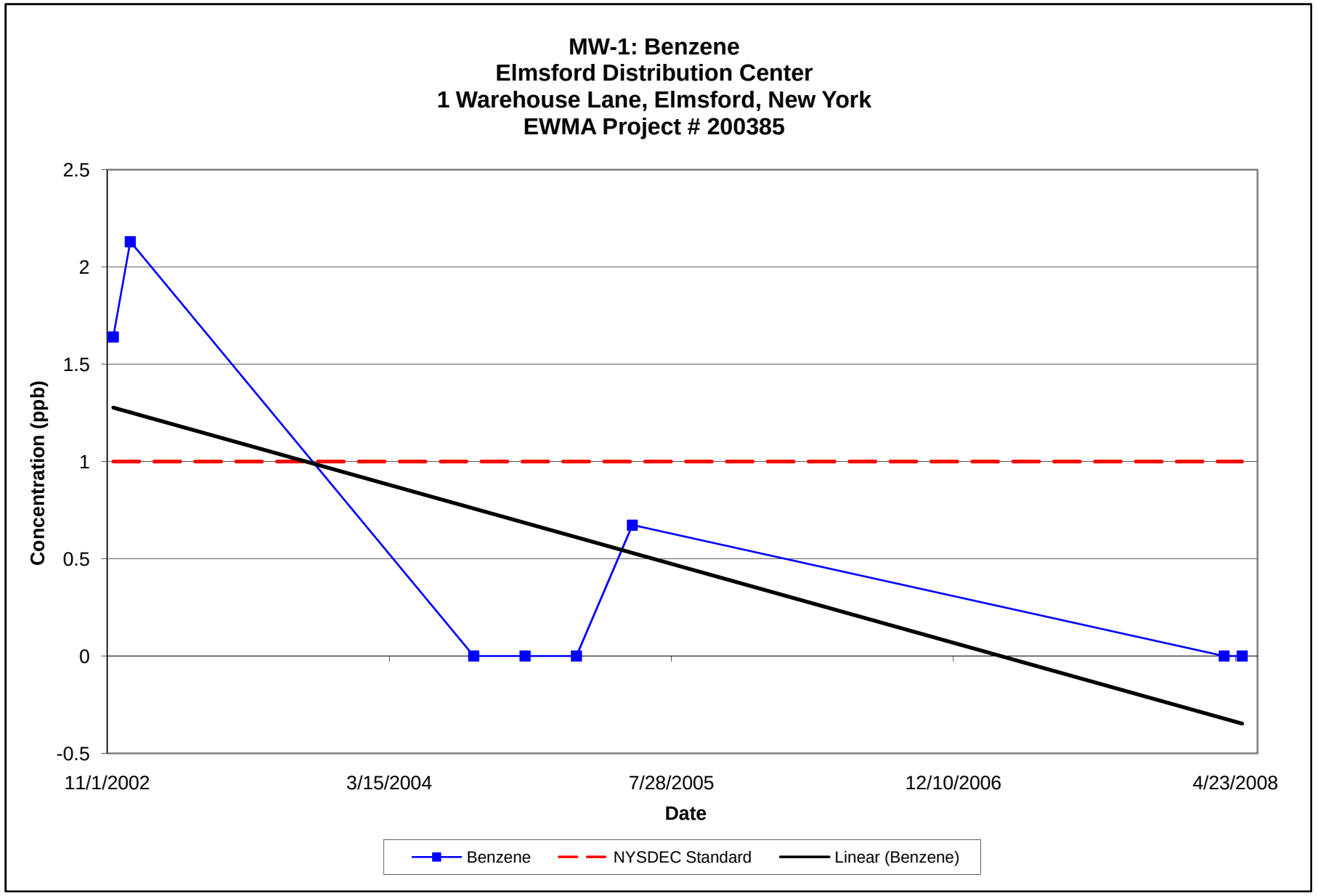
VOLUNTARY CLEANUP PROGRAM GROUND WATER – REMEDIAL INVESTIGATION REPORT

Property Known As:

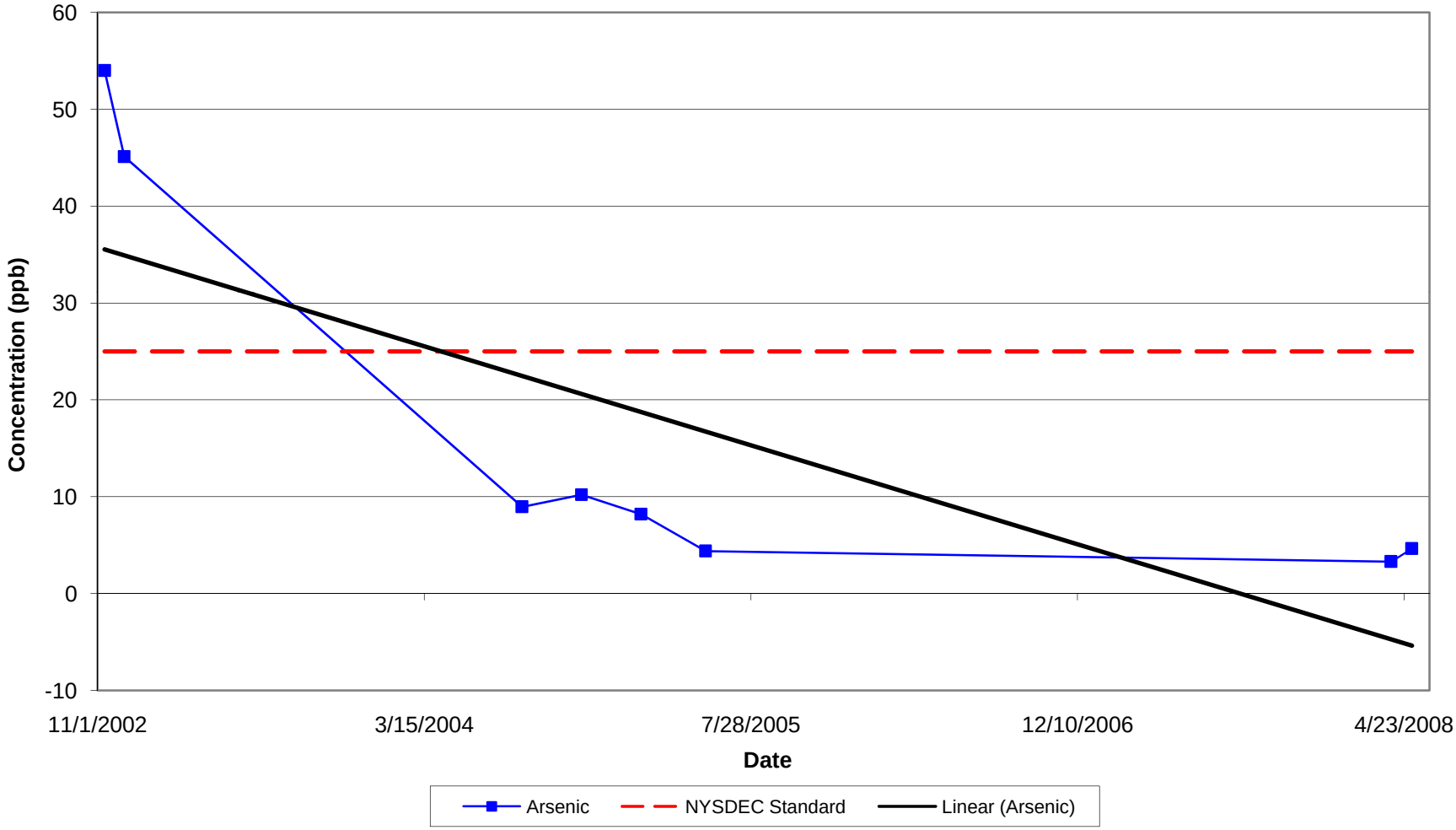
1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
EWMA Job #200385
March 2011

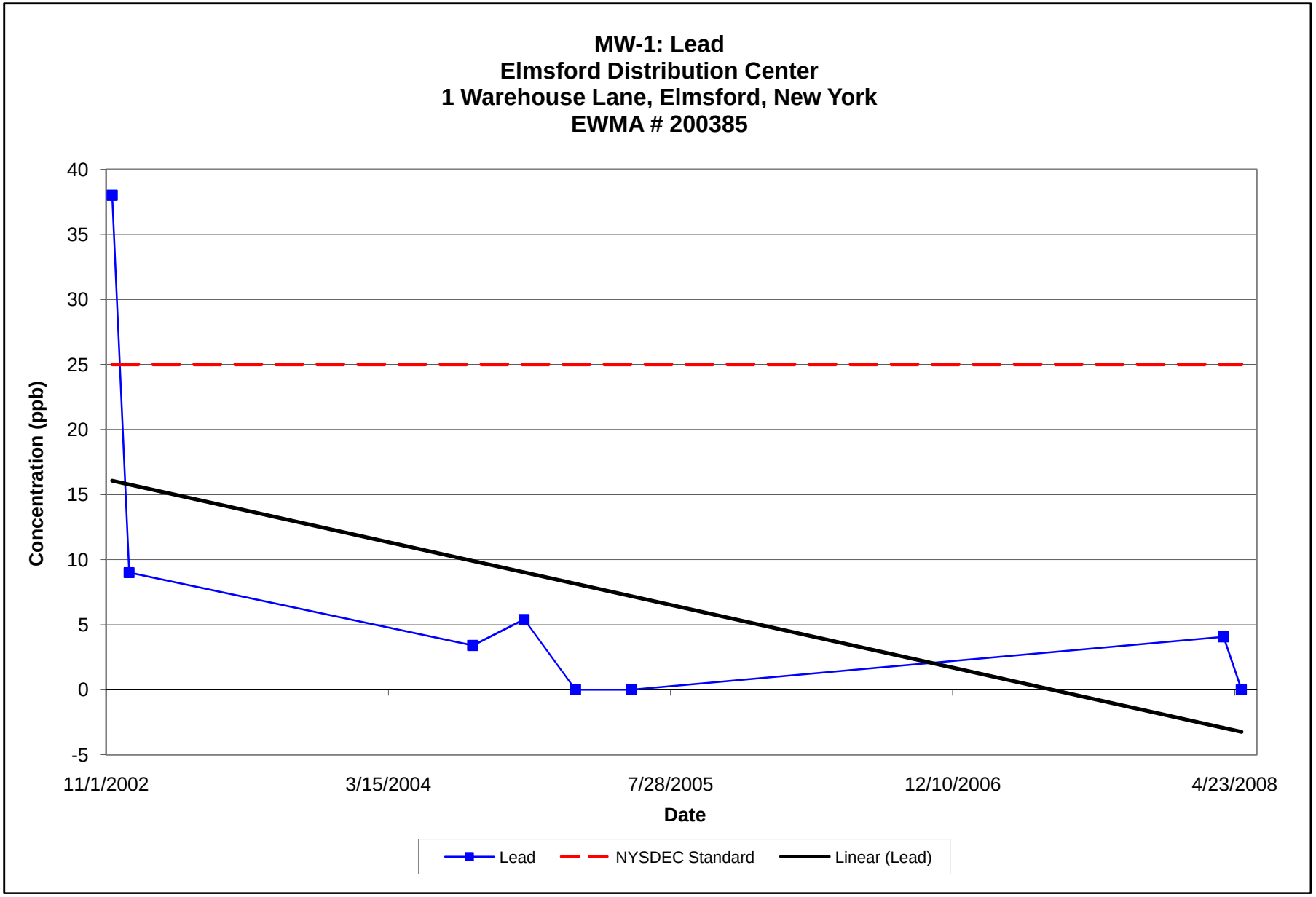
APPENDIX II

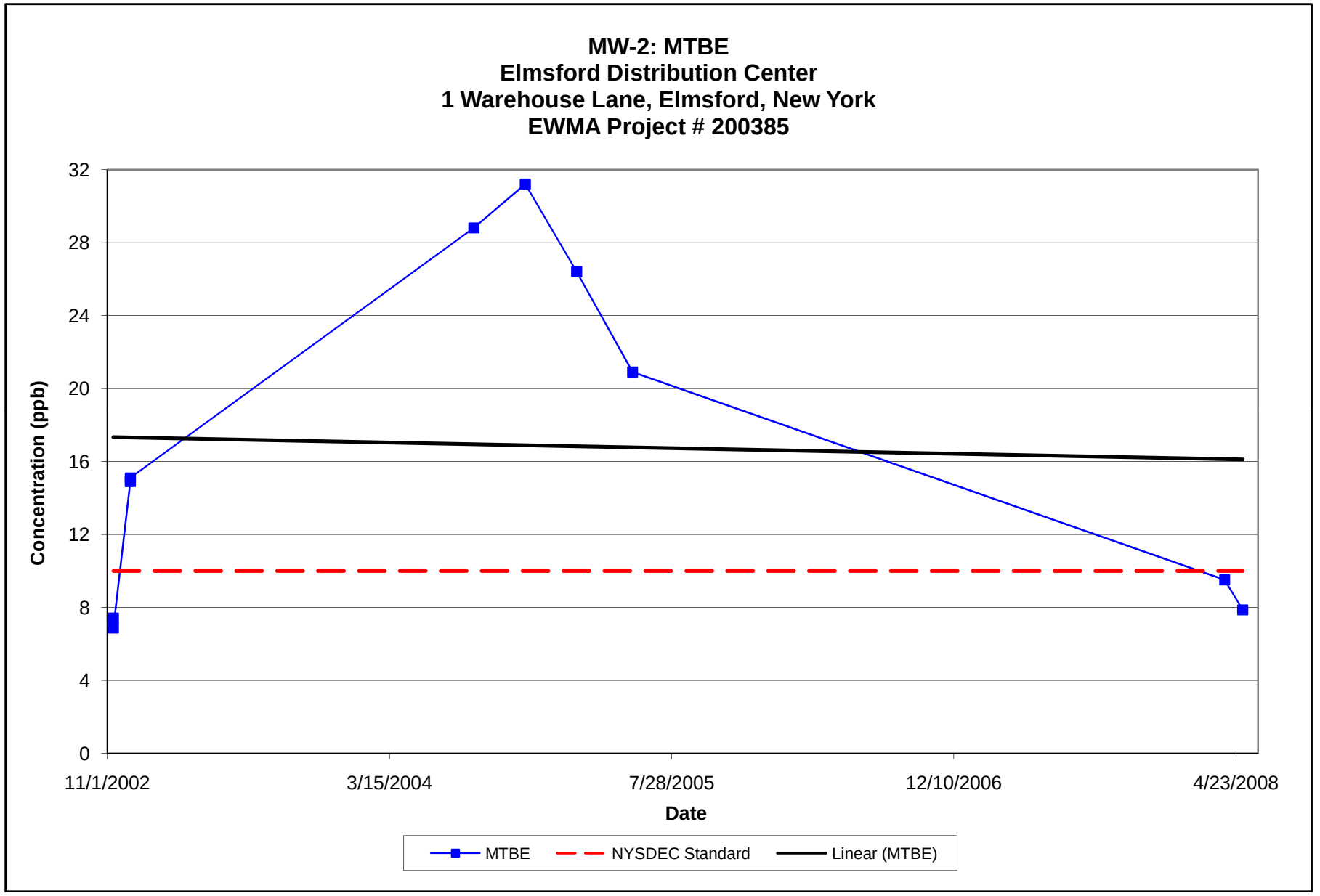
Ground Water Sample Data Concentration Trend Diagrams

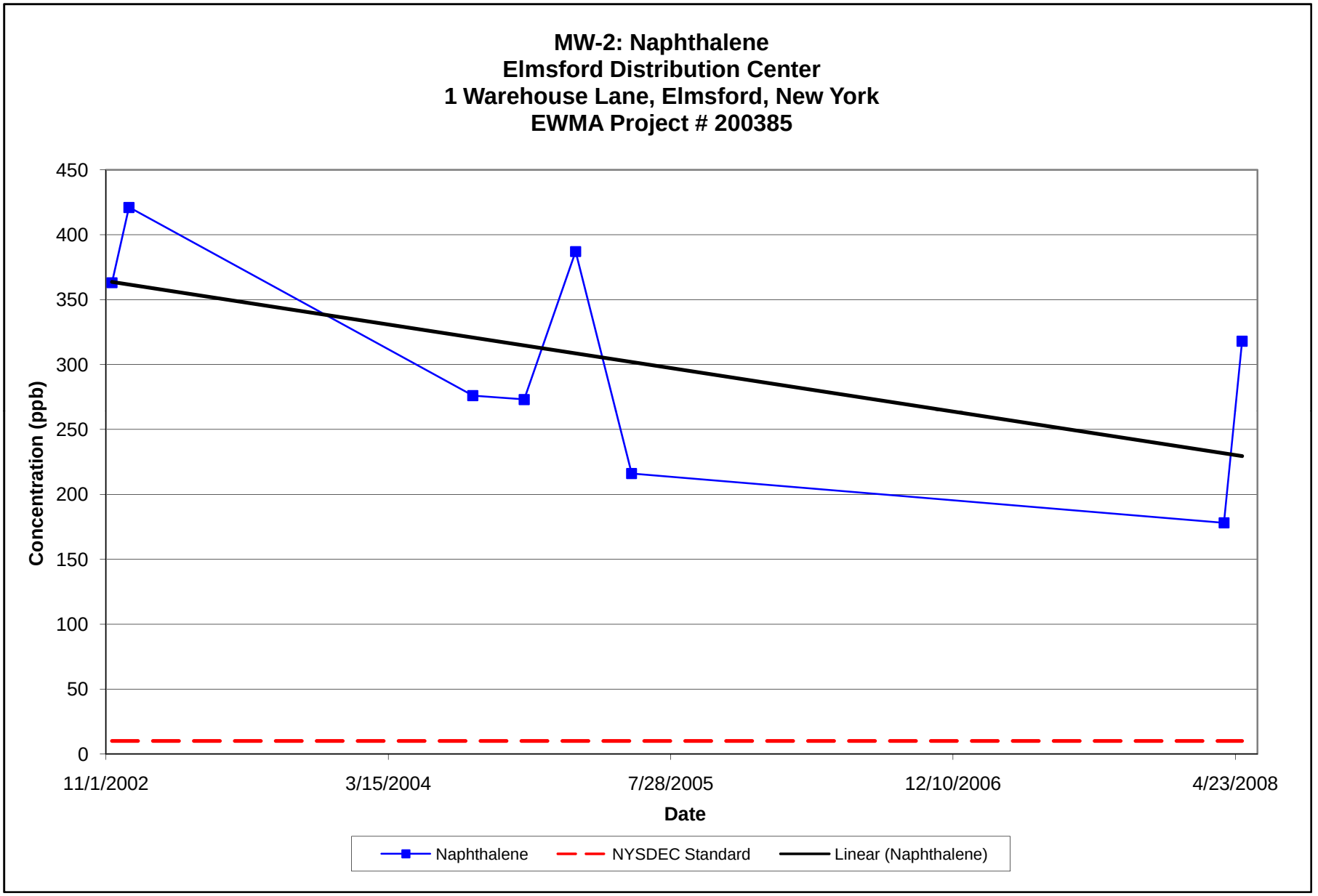

MW-1: Benzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
2.5
2
1.5
1
0.5
0
-0.5
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzene
NYSDEC Standard
Linear (Benzene)

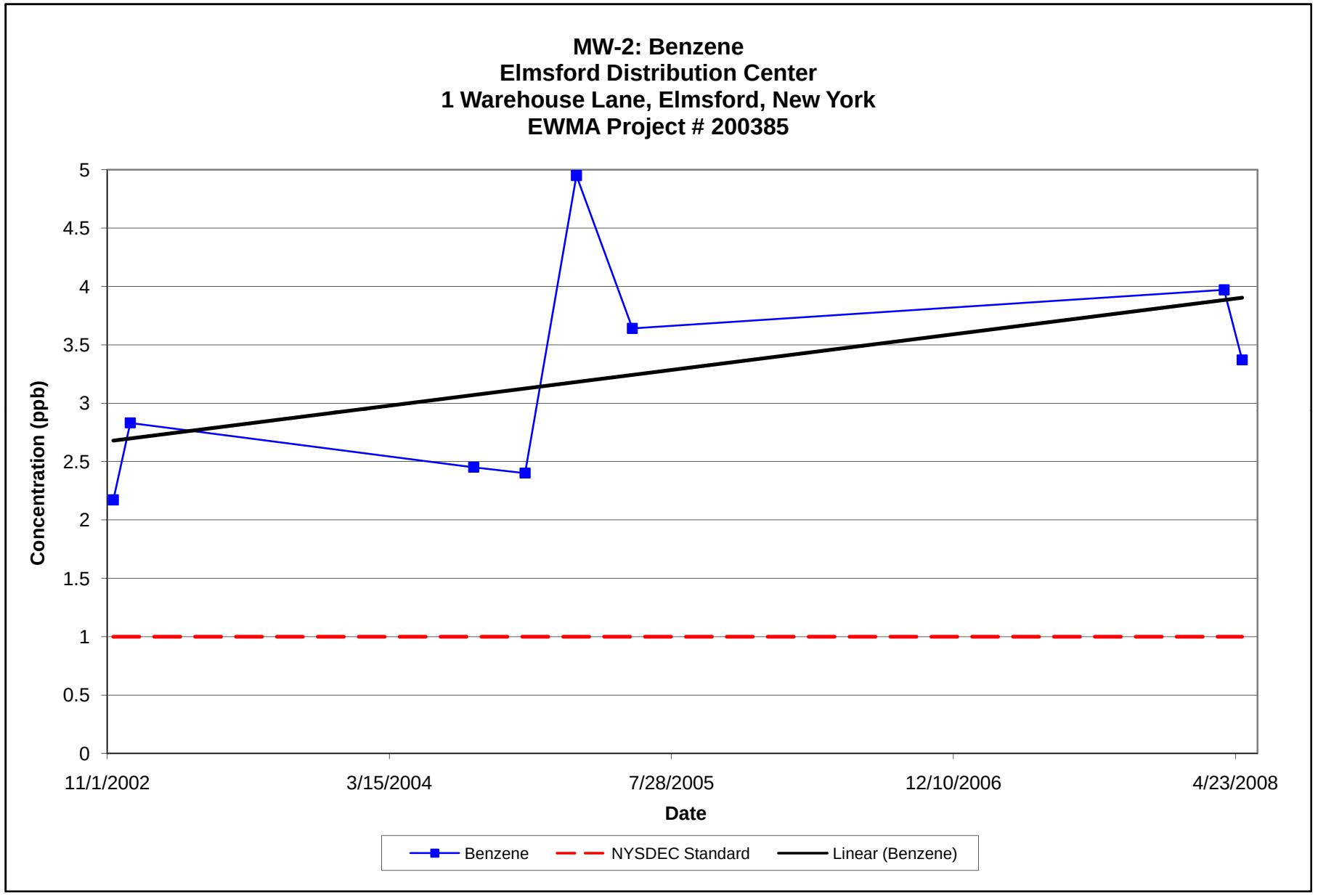
MW-1: Arsenic
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA # 200385



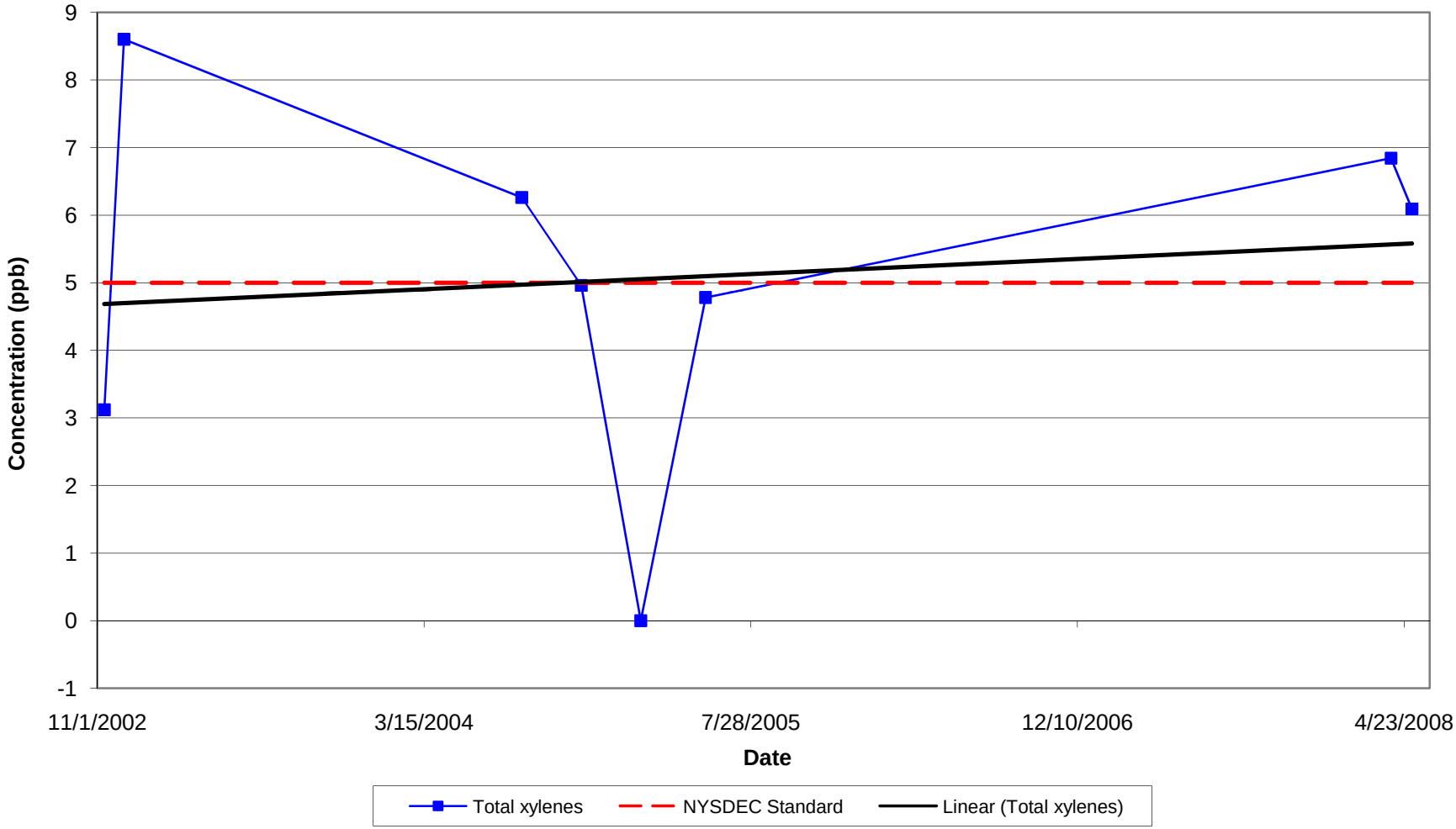

MW-1: Lead
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA # 200385
Concentration (ppb)
40
35
30
25
20
15
10
5
0
-5
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Lead
NYSDEC Standard
Linear (Lead)

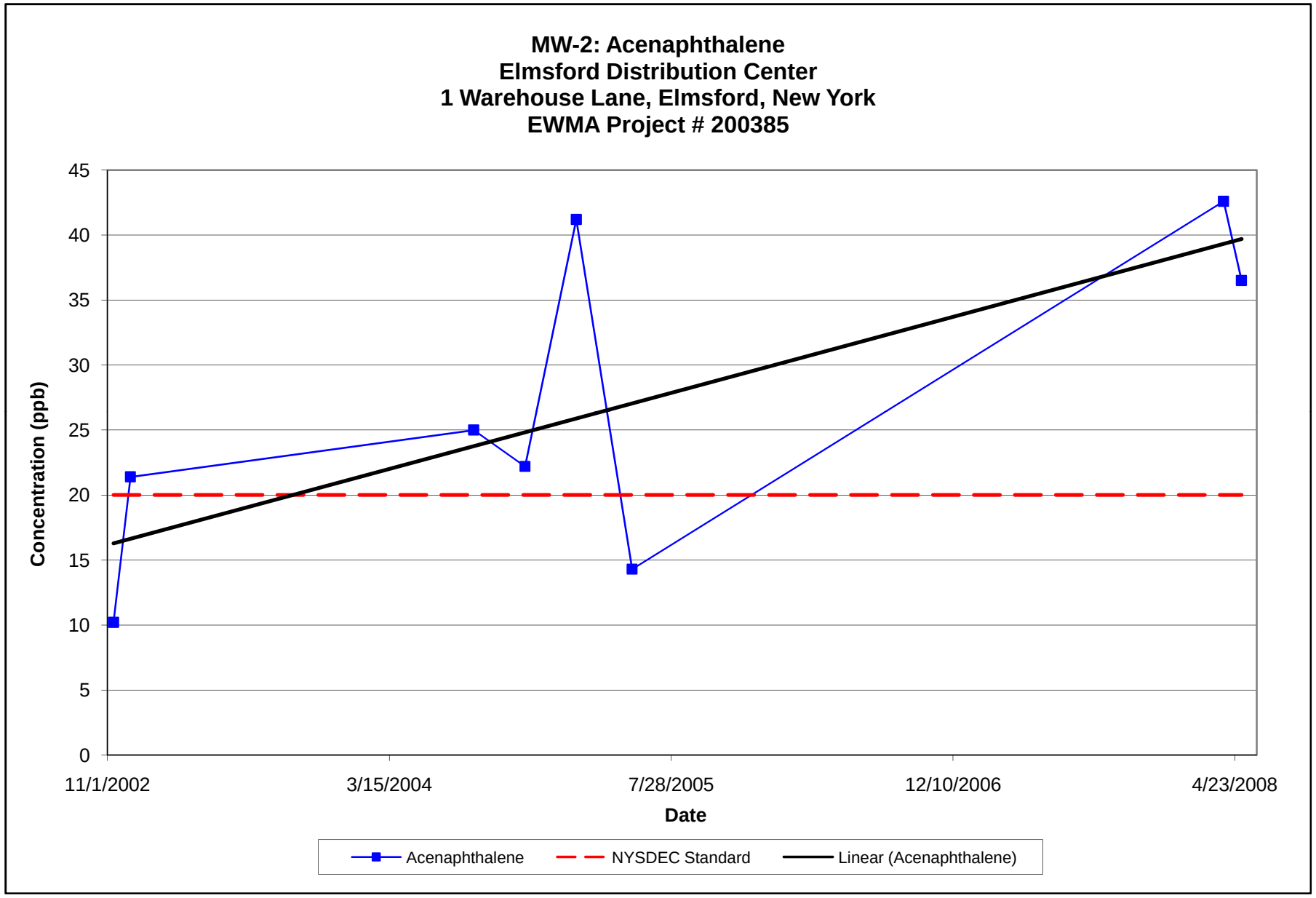

MW-2: MTBE
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
32
28
24
20
16
12
8
4
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
MTBE
NYSDEC Standard
Linear (MTBE)

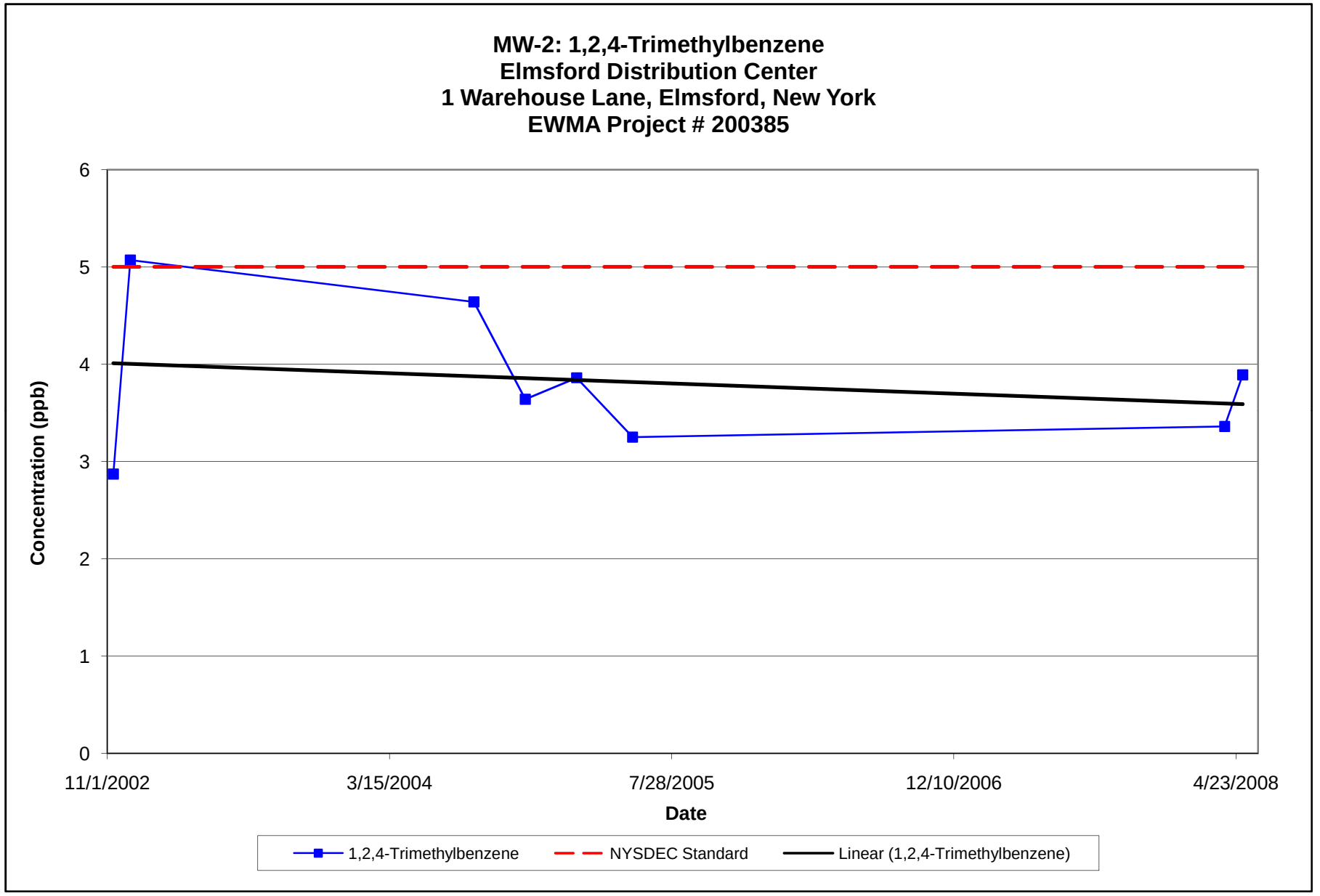

MW-2: Naphthalene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
450
400
350
300
250
200
150
100
50
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Naphthalene
NYSDEC Standard
Linear (Naphthalene)

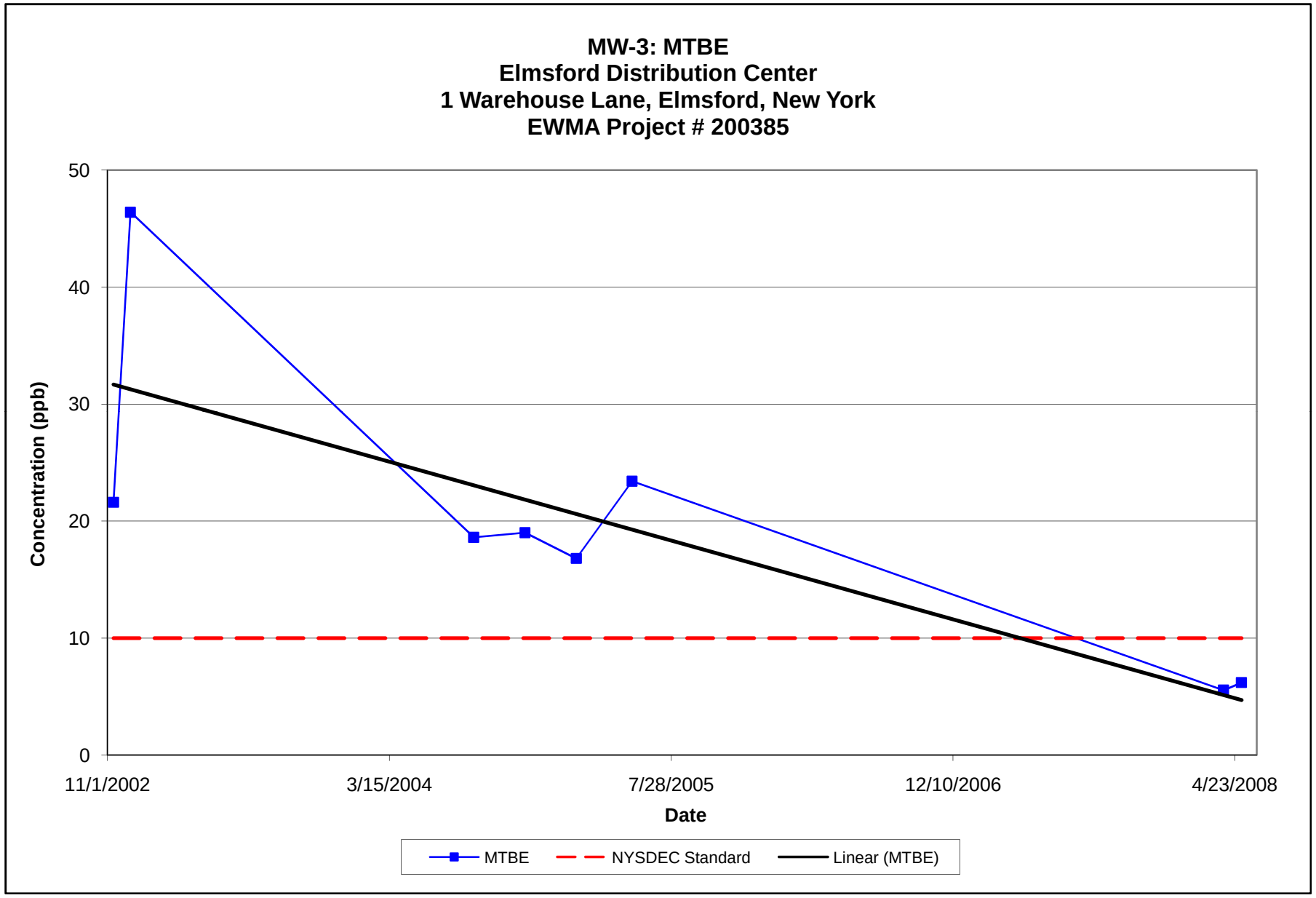

MW-2: Benzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzene
NYSDEC Standard
Linear (Benzene)

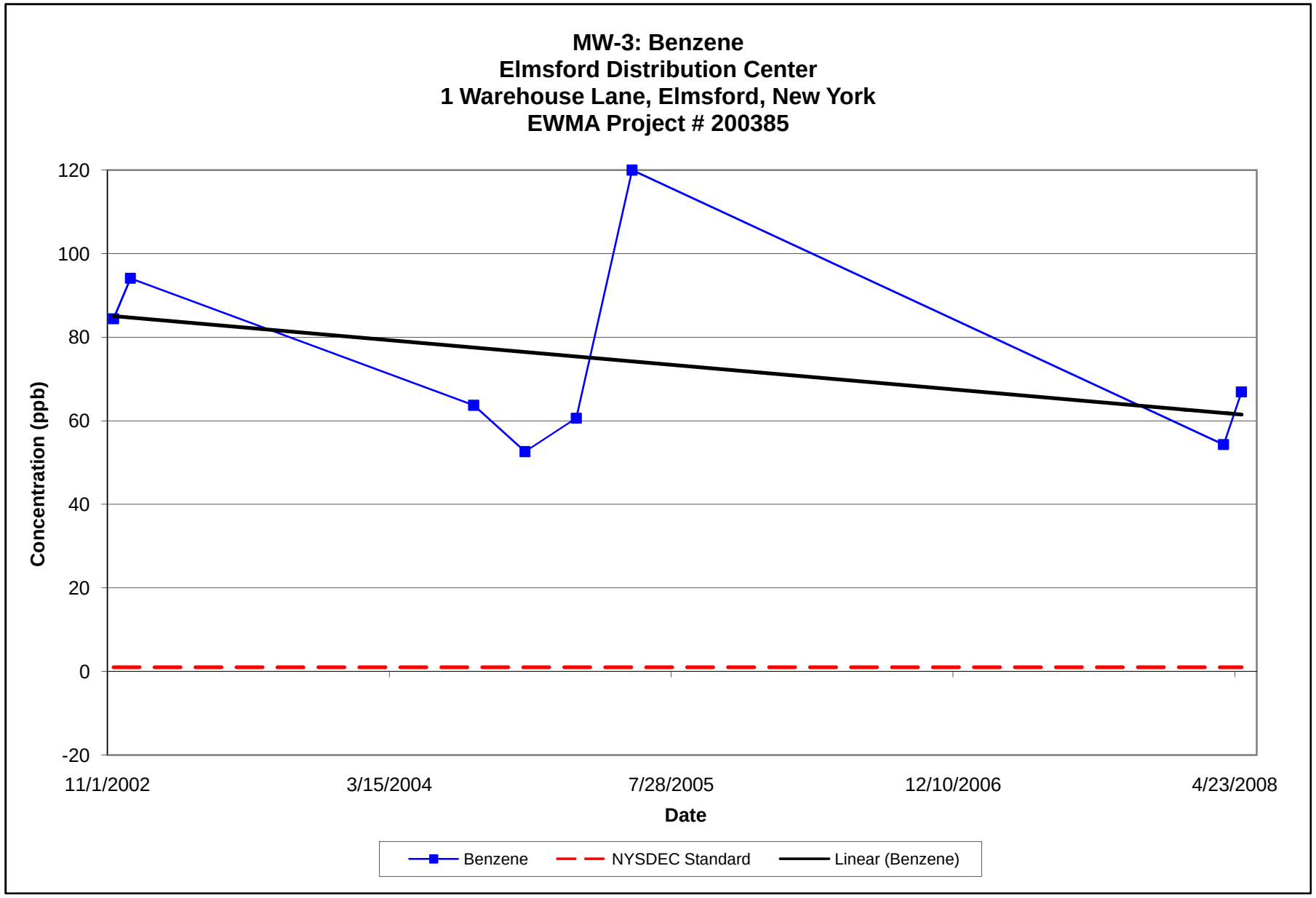
MW-2: Total Xylenes
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

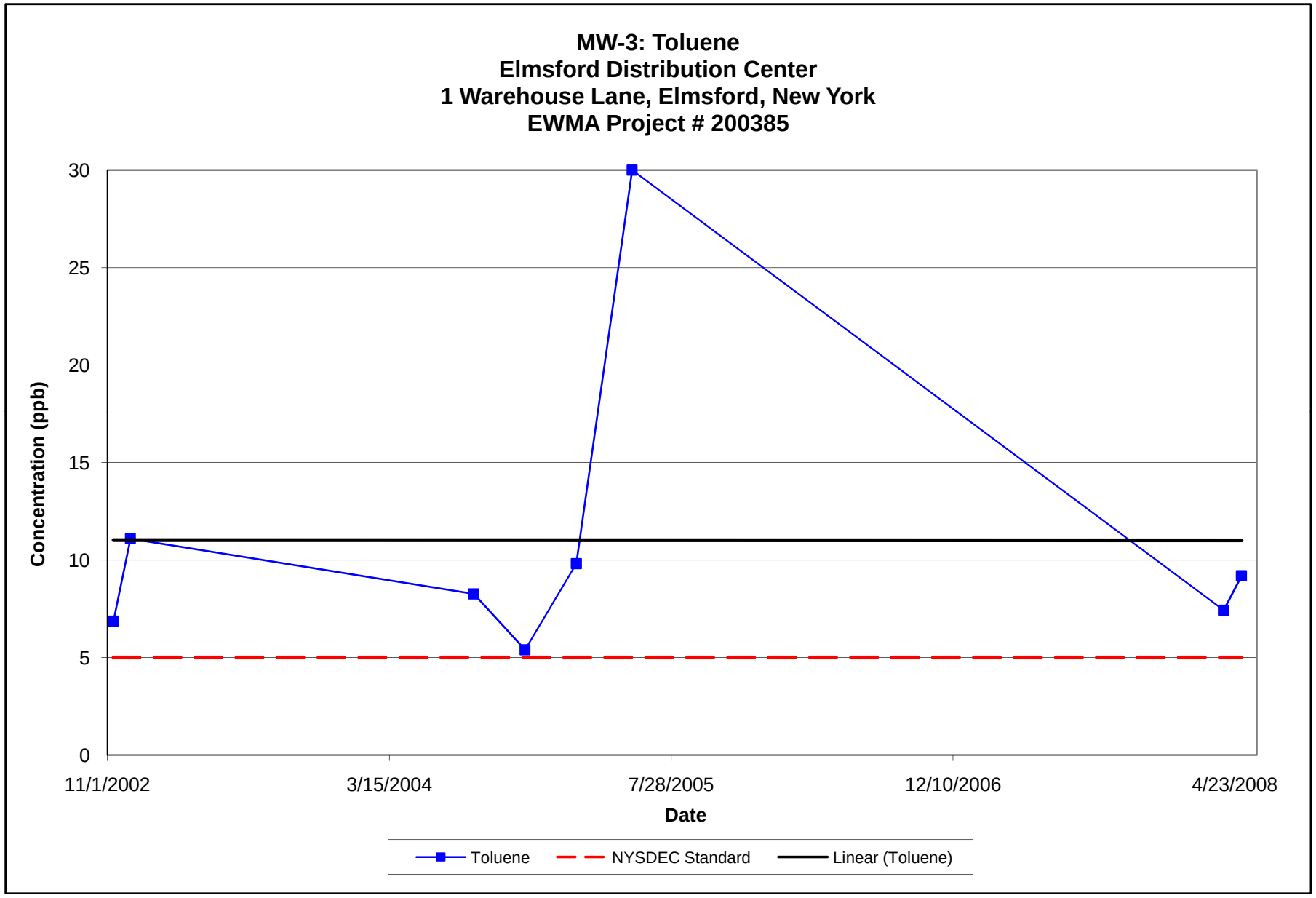


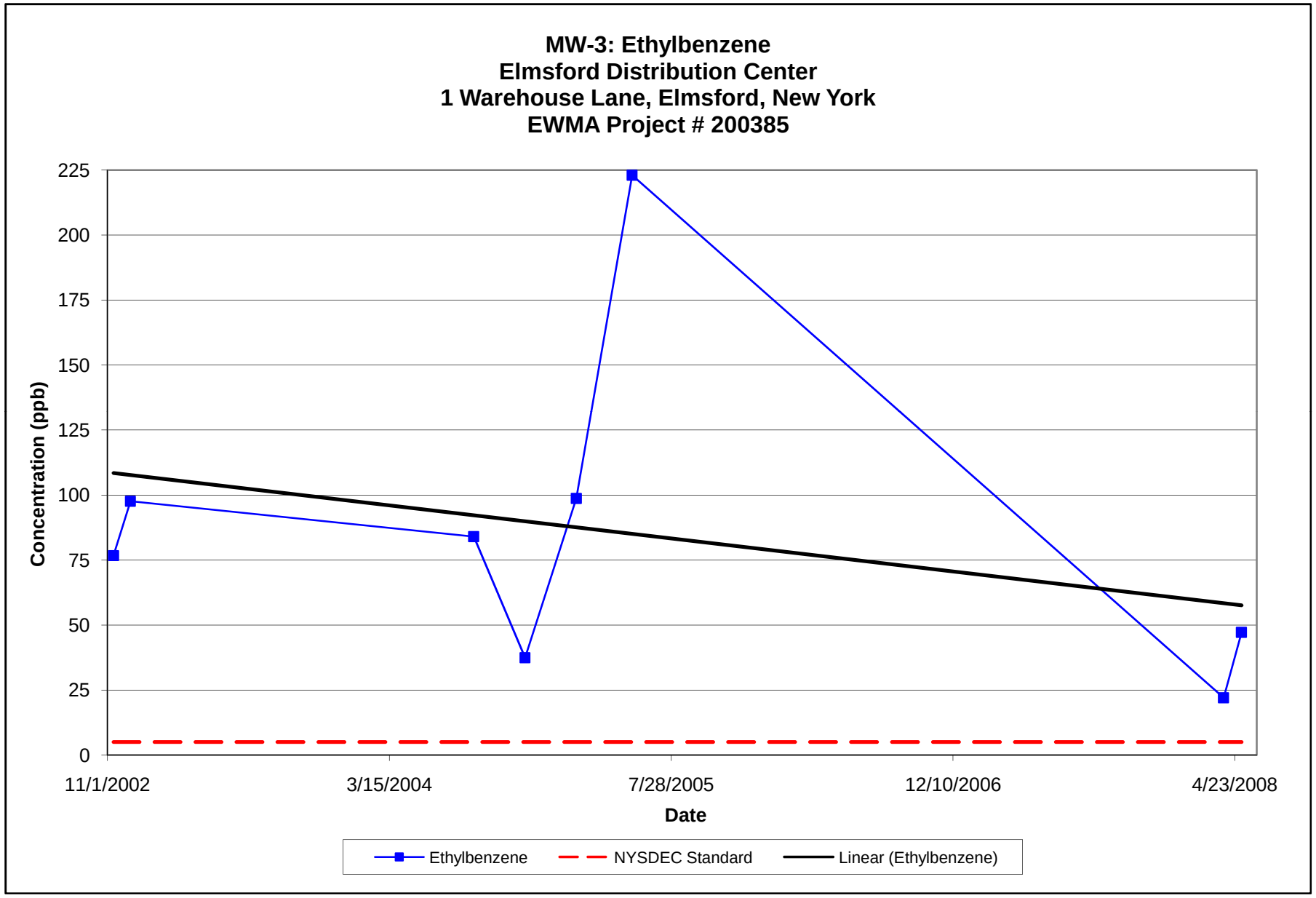

MW-2: Acenaphthalene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
45
40
35
30
25
20
15
10
5
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Acenaphthalene
NYSDEC Standard
Linear (Acenaphthalene)

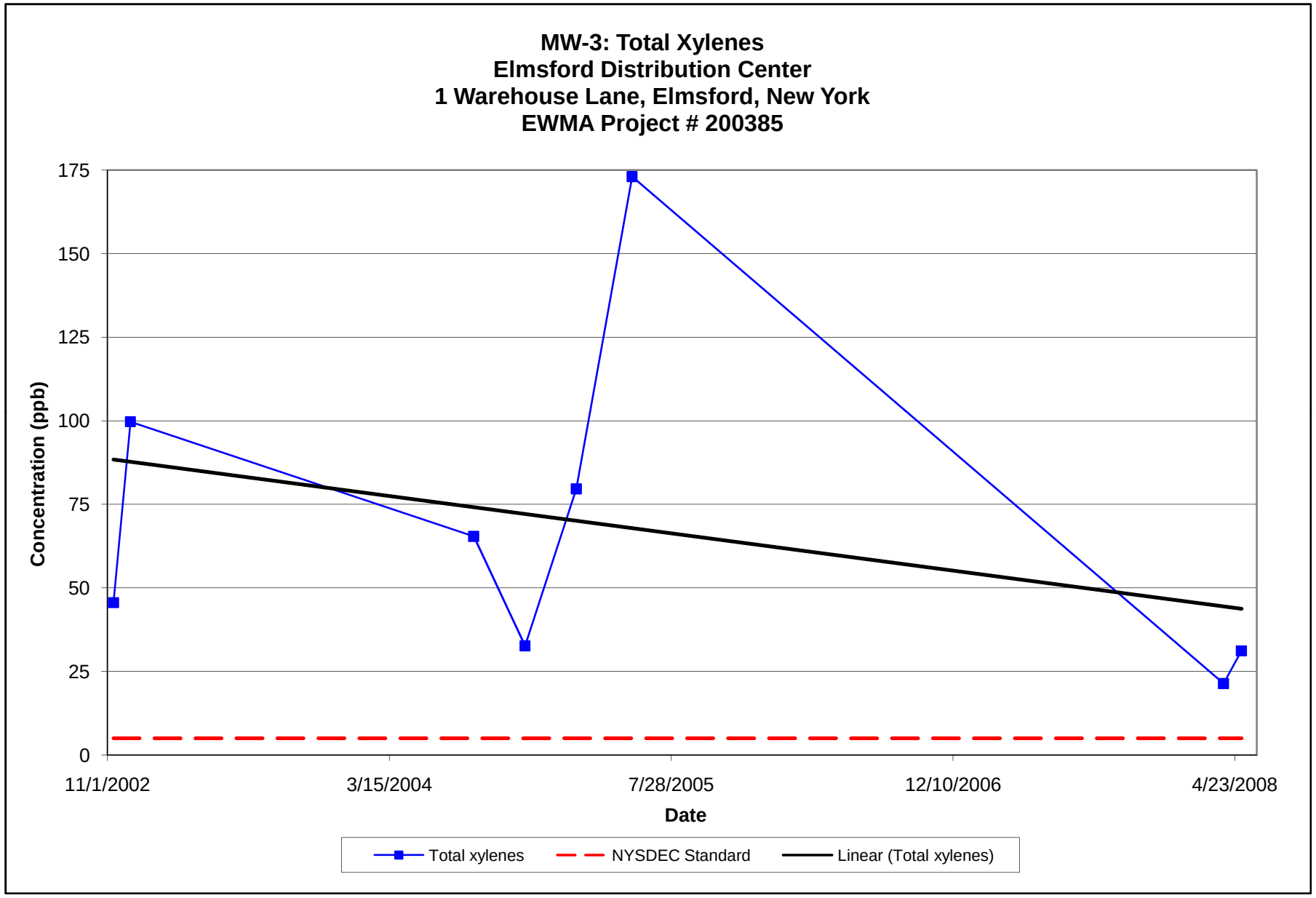

MW-2: 1,2,4-Trimethylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
6
5
4
3
2
1
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
1,2,4-Trimethylbenzene
NYSDEC Standard
Linear (1,2,4-Trimethylbenzene)

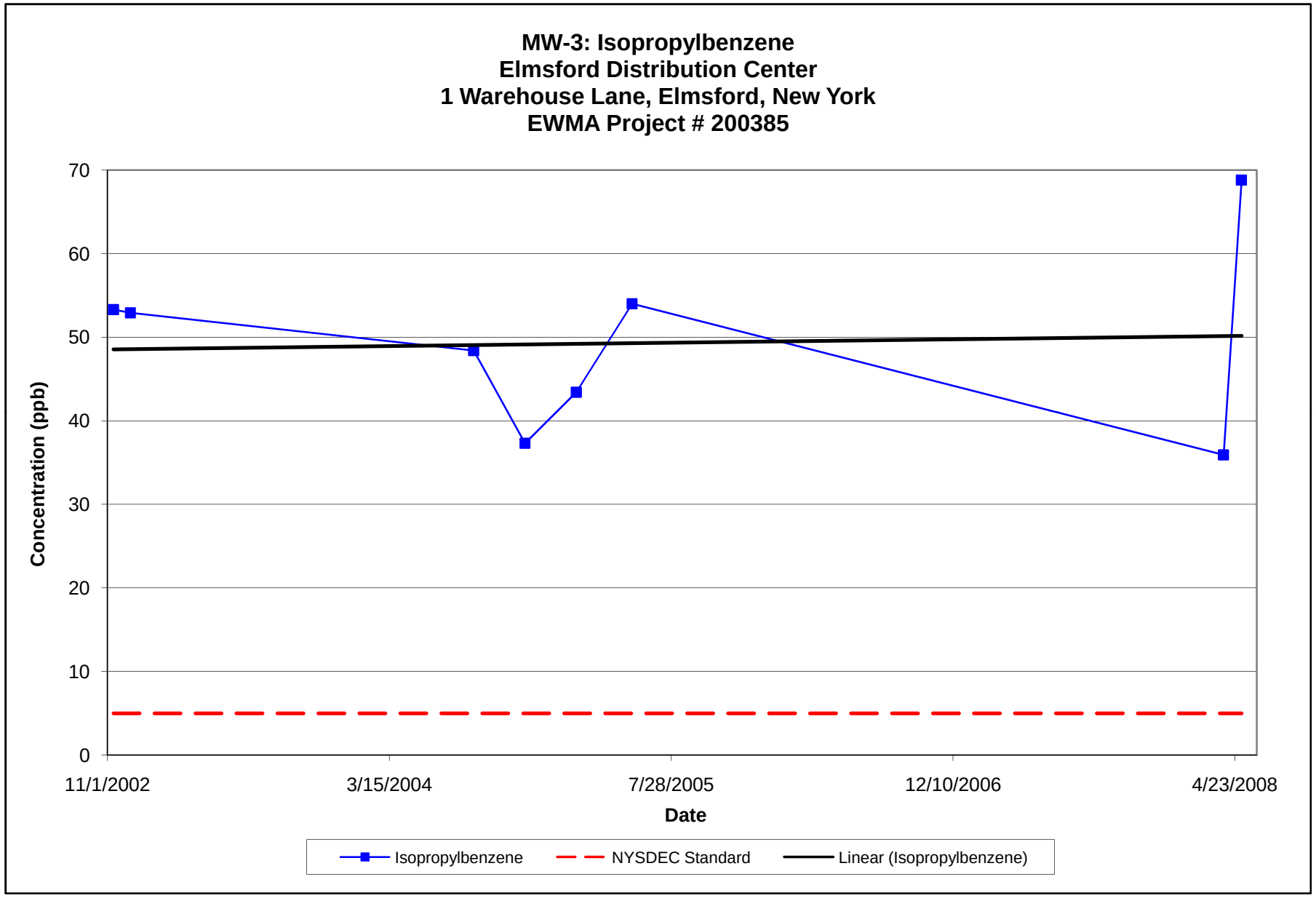

MW-3: MTBE
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
50
40
30
20
10
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
MTBE
NYSDEC Standard
Linear (MTBE)

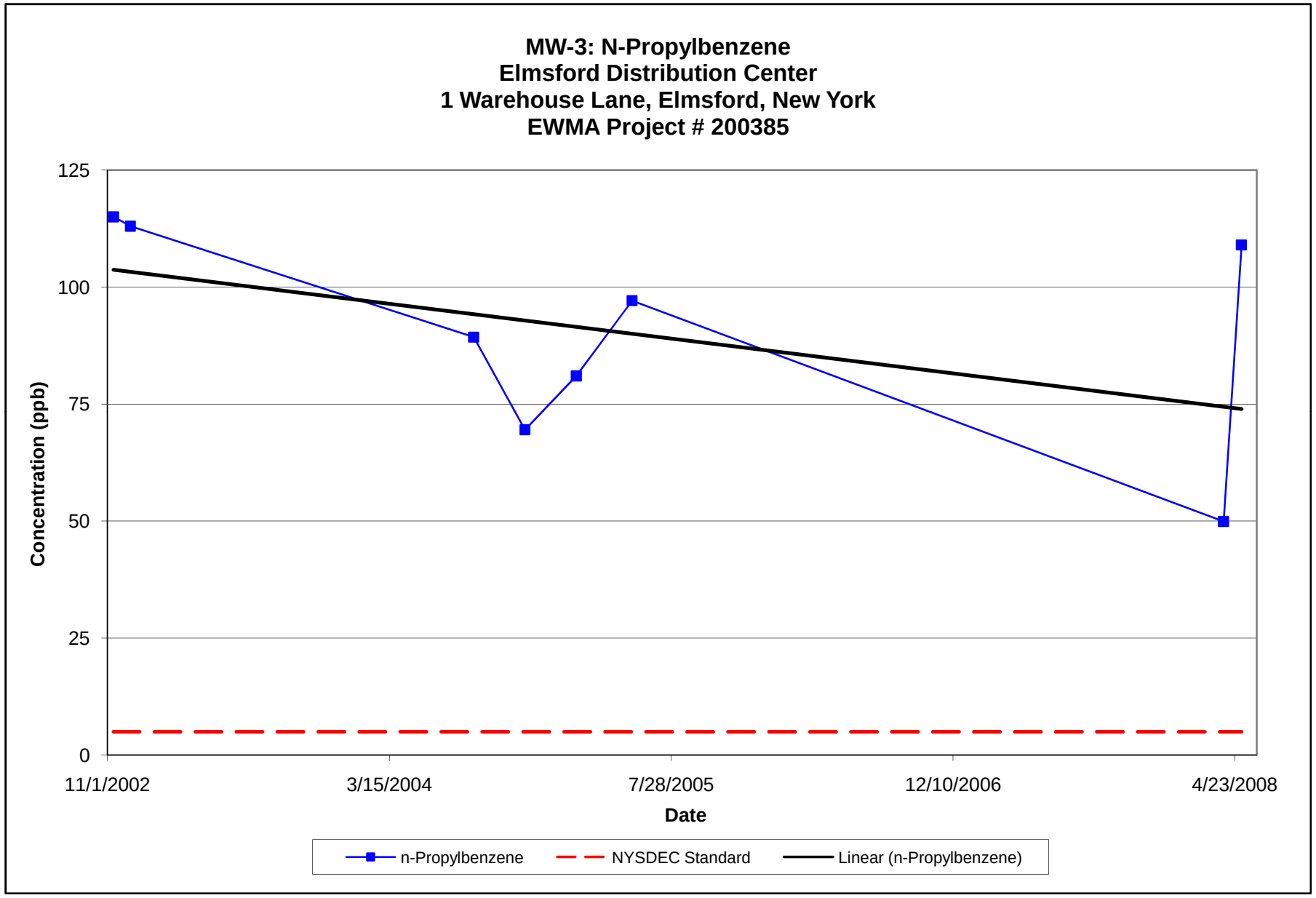

MW-3: Benzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
120
100
80
60
40
20
0
-20
Concentration (ppb)
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzene
NYSDEC Standard
Linear (Benzene)

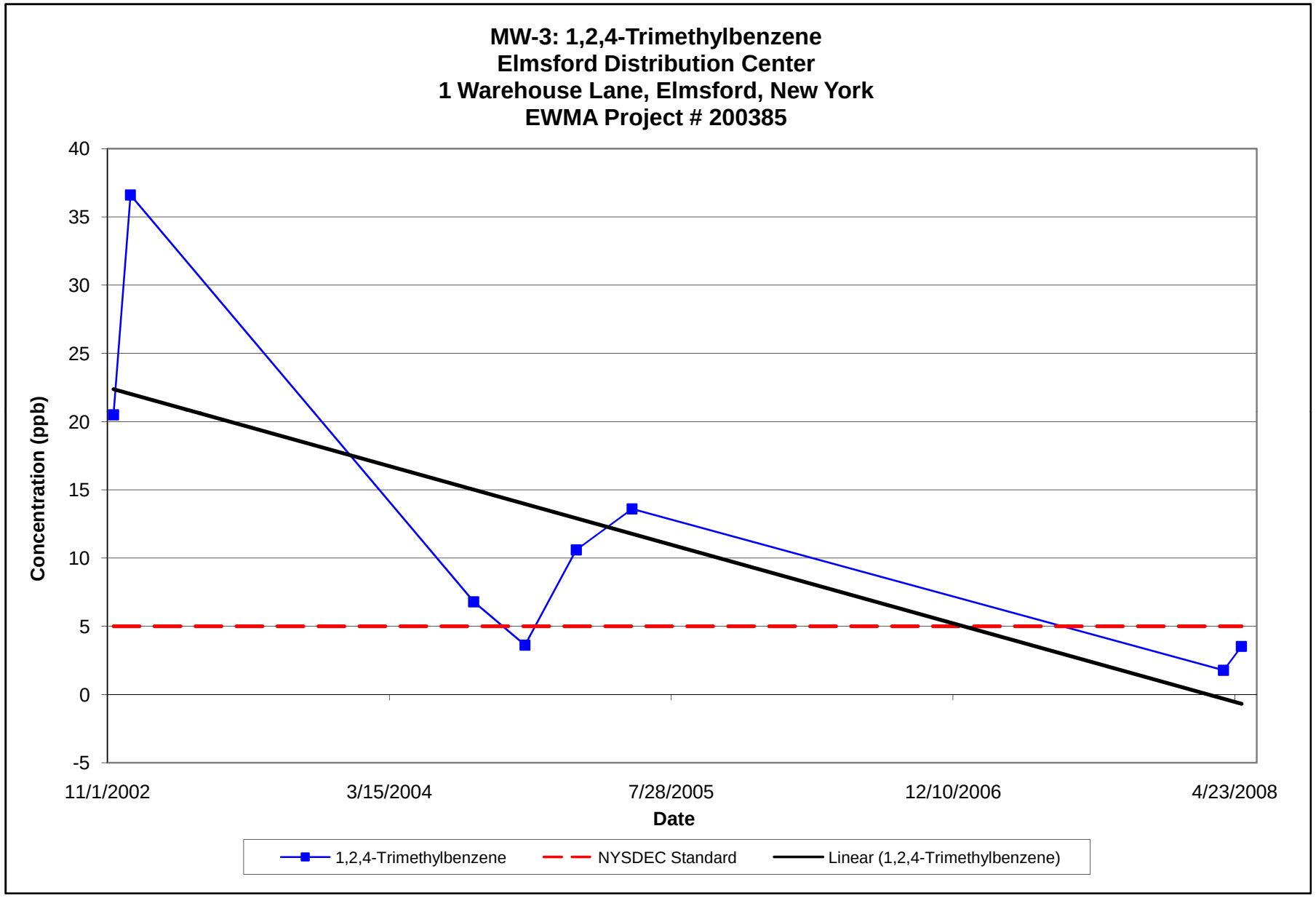

MW-3: Toluene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
30
25
20
15
10
5
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Toluene
NYSDEC Standard
Linear (Toluene)

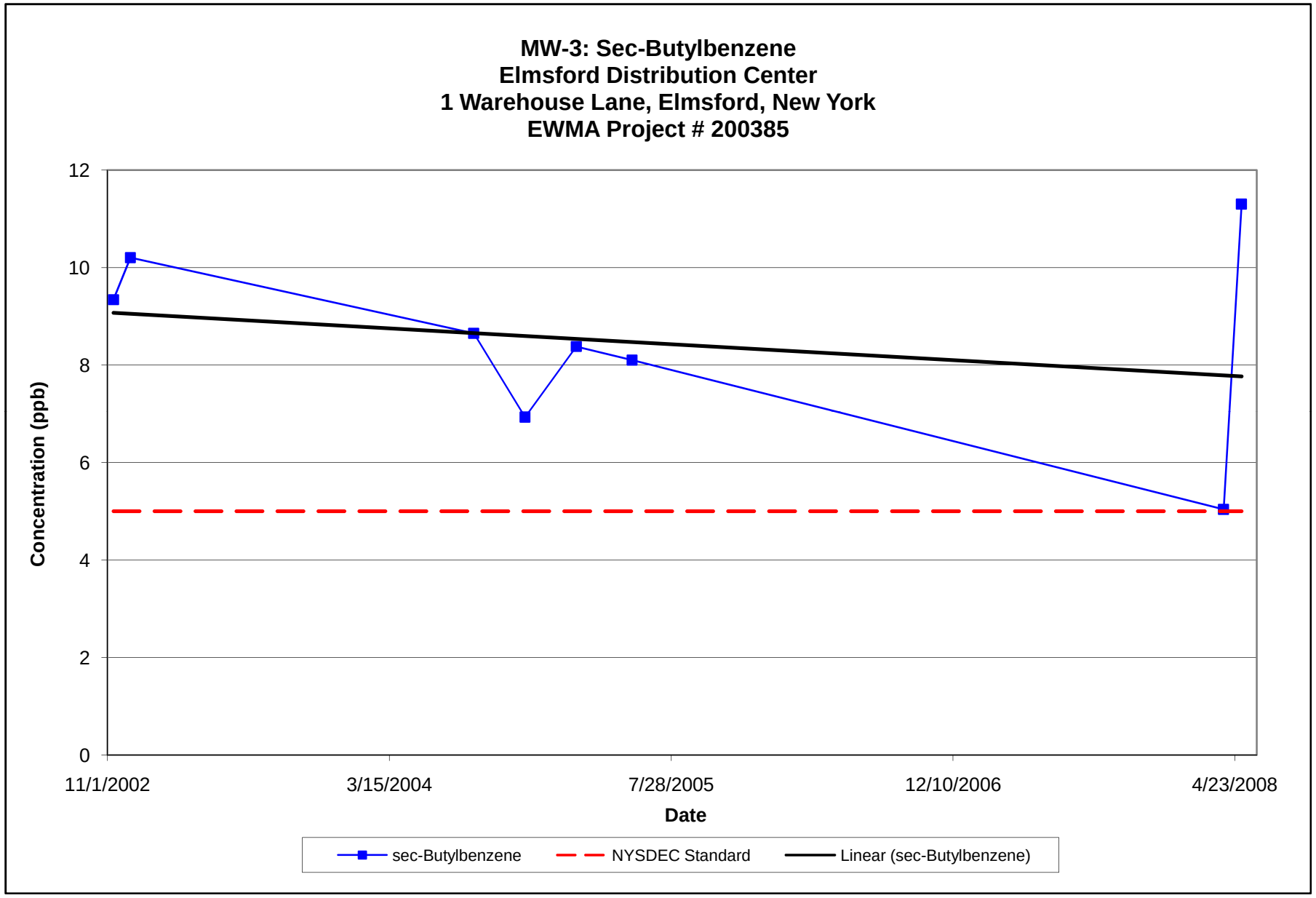

MW-3: Ethylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
225
200
175
150
125
100
75
50
25
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Ethylbenzene
NYSDEC Standard
Linear (Ethylbenzene)

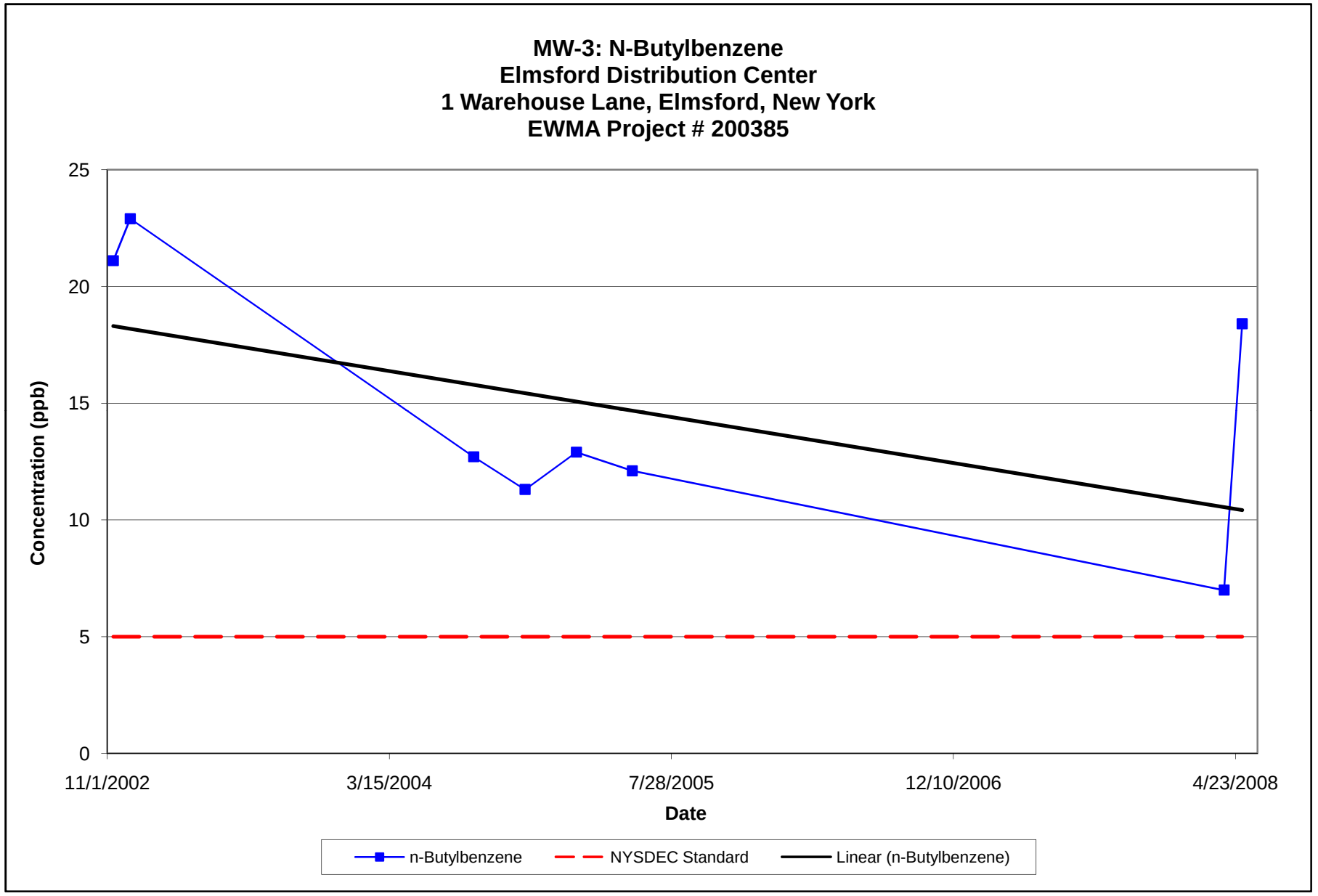

MW-3: Total Xylenes
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
175
150
125
100
75
50
25
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Total xylenes
NYSDEC Standard
Linear (Total xylenes)

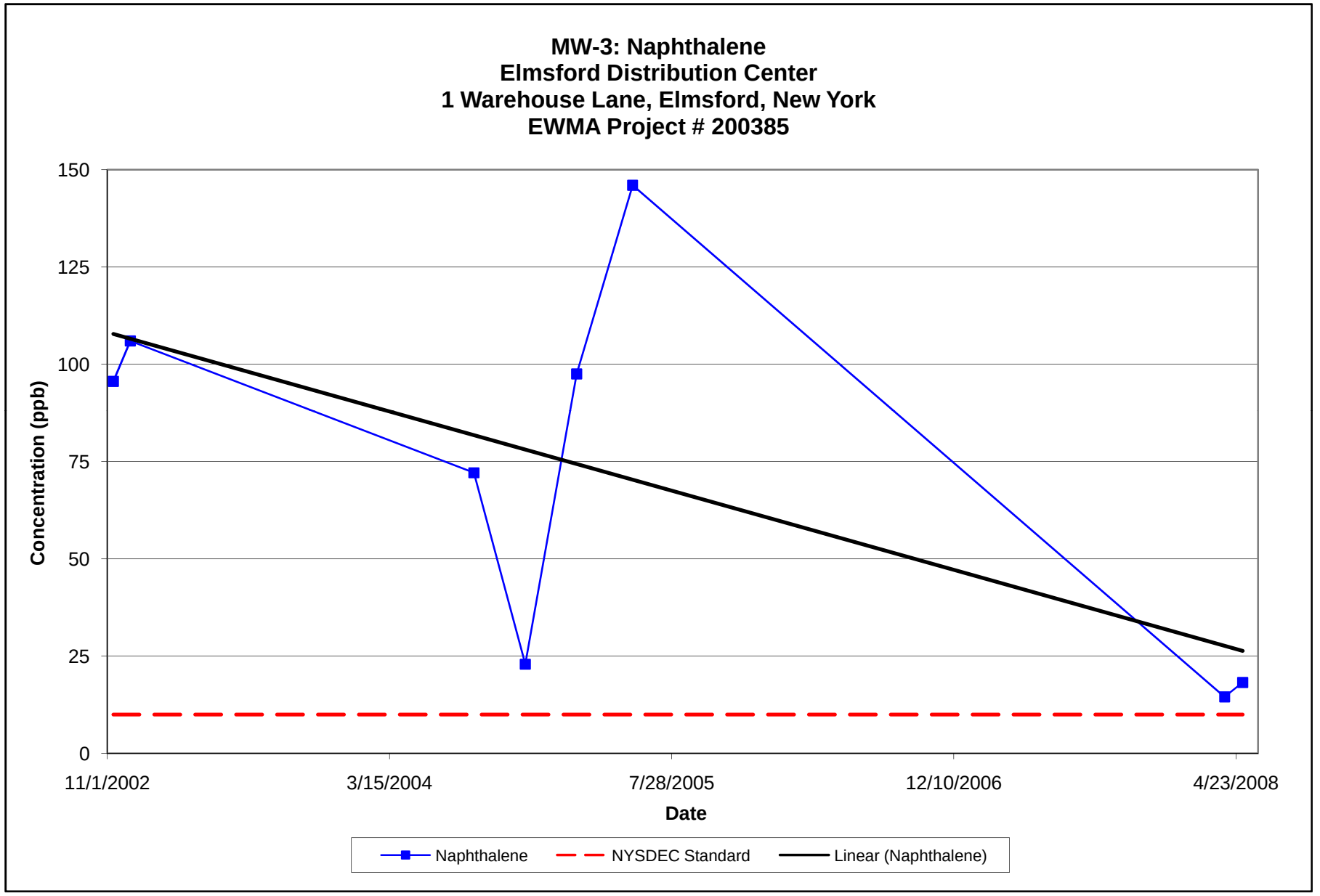

MW-3: Isopropylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
70
60
50
40
30
20
10
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Isopropylbenzene
NYSDEC Standard
Linear (Isopropylbenzene)

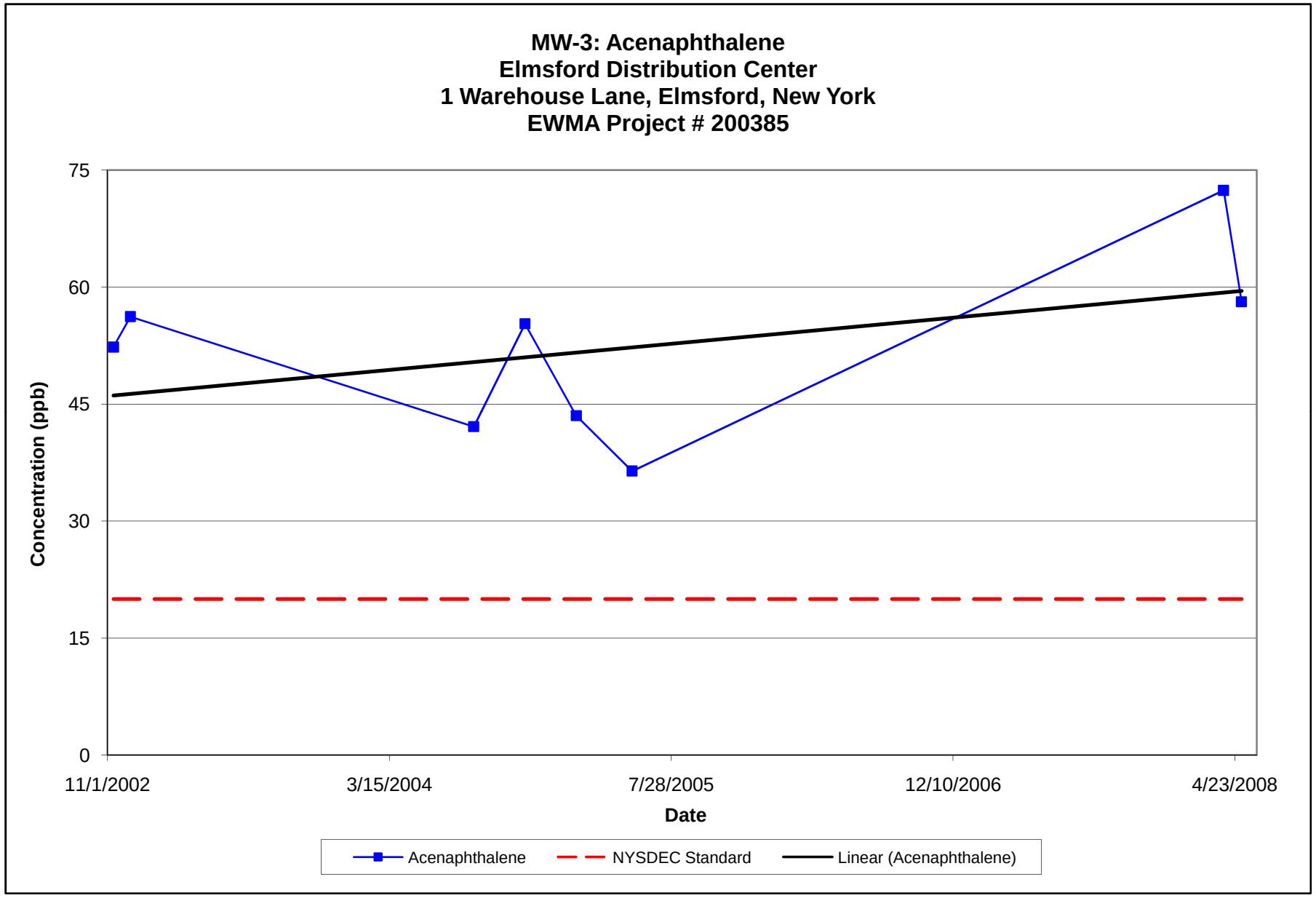

MW-3: N-Propylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
125
100
75
50
25
0
Concentration (ppb)
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
n-Propylbenzene
NYSDEC Standard
Linear (n-Propylbenzene)

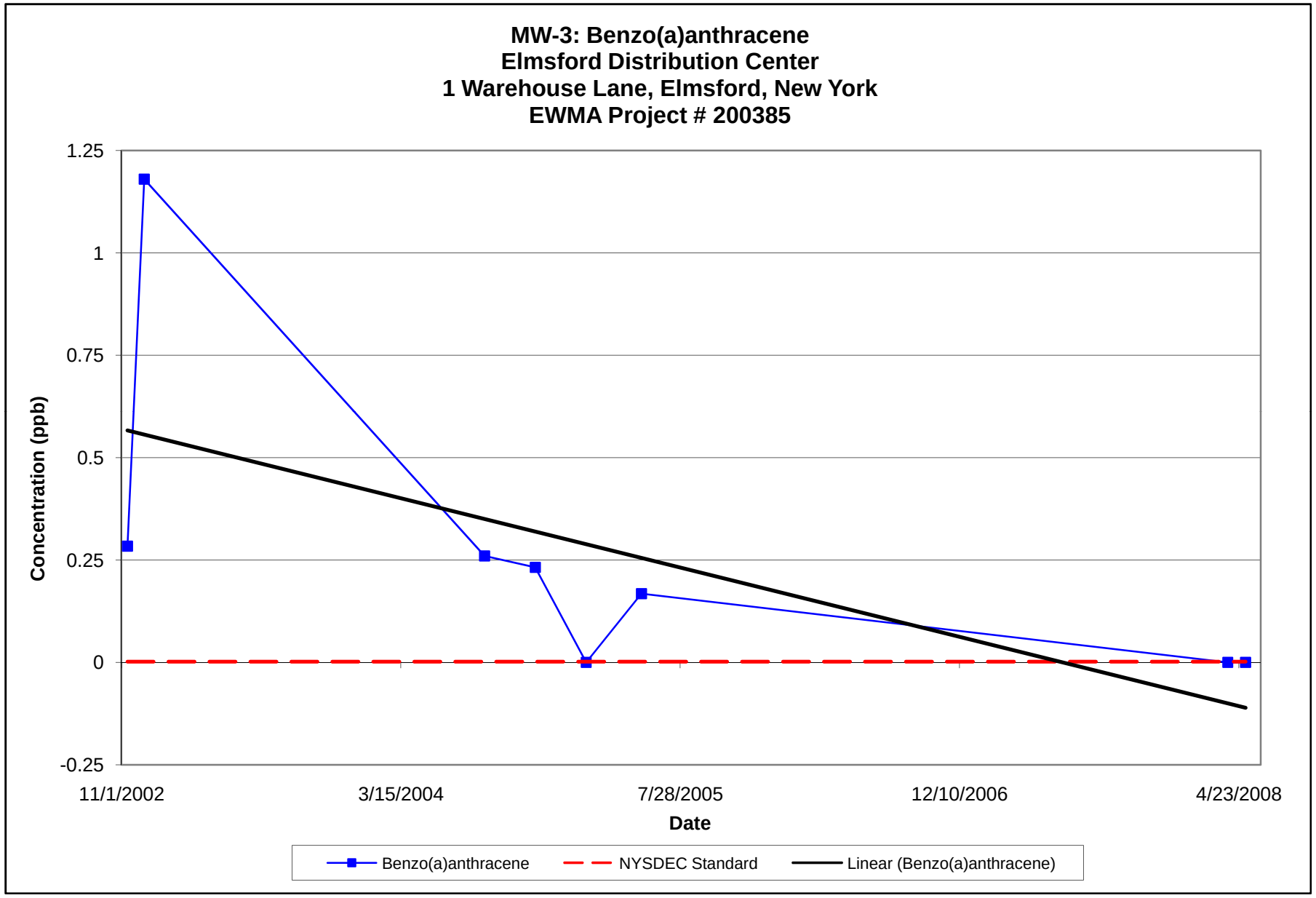

MW-3: 1,2,4-Trimethylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
40
35
30
25
20
15
10
5
0
-5
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
1,2,4-Trimethylbenzene
NYSDEC Standard
Linear (1,2,4-Trimethylbenzene)

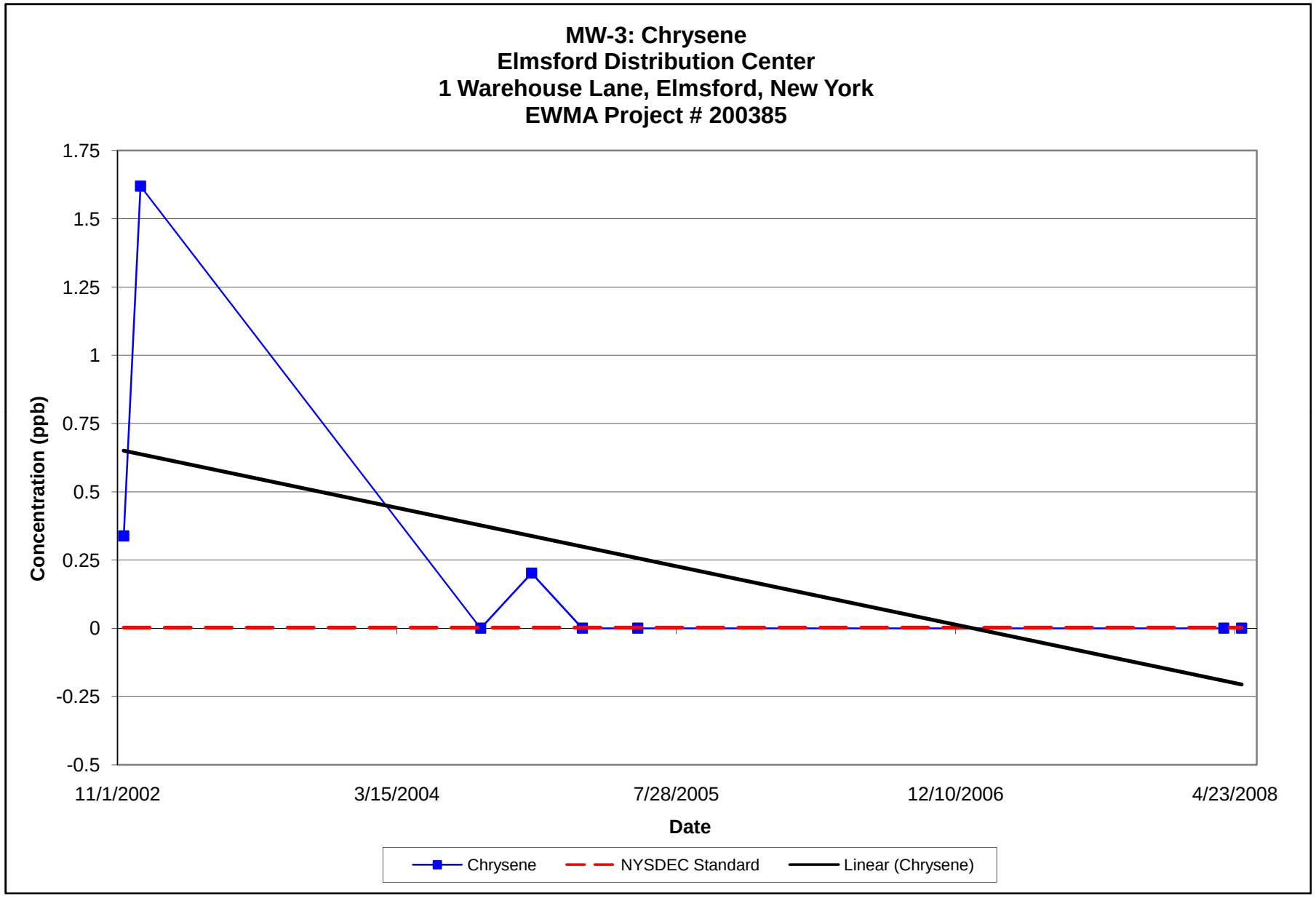

MW-3: Sec-Butylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
12
10
8
6
4
2
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
sec-Butylbenzene
NYSDEC Standard
Linear (sec-Butylbenzene)

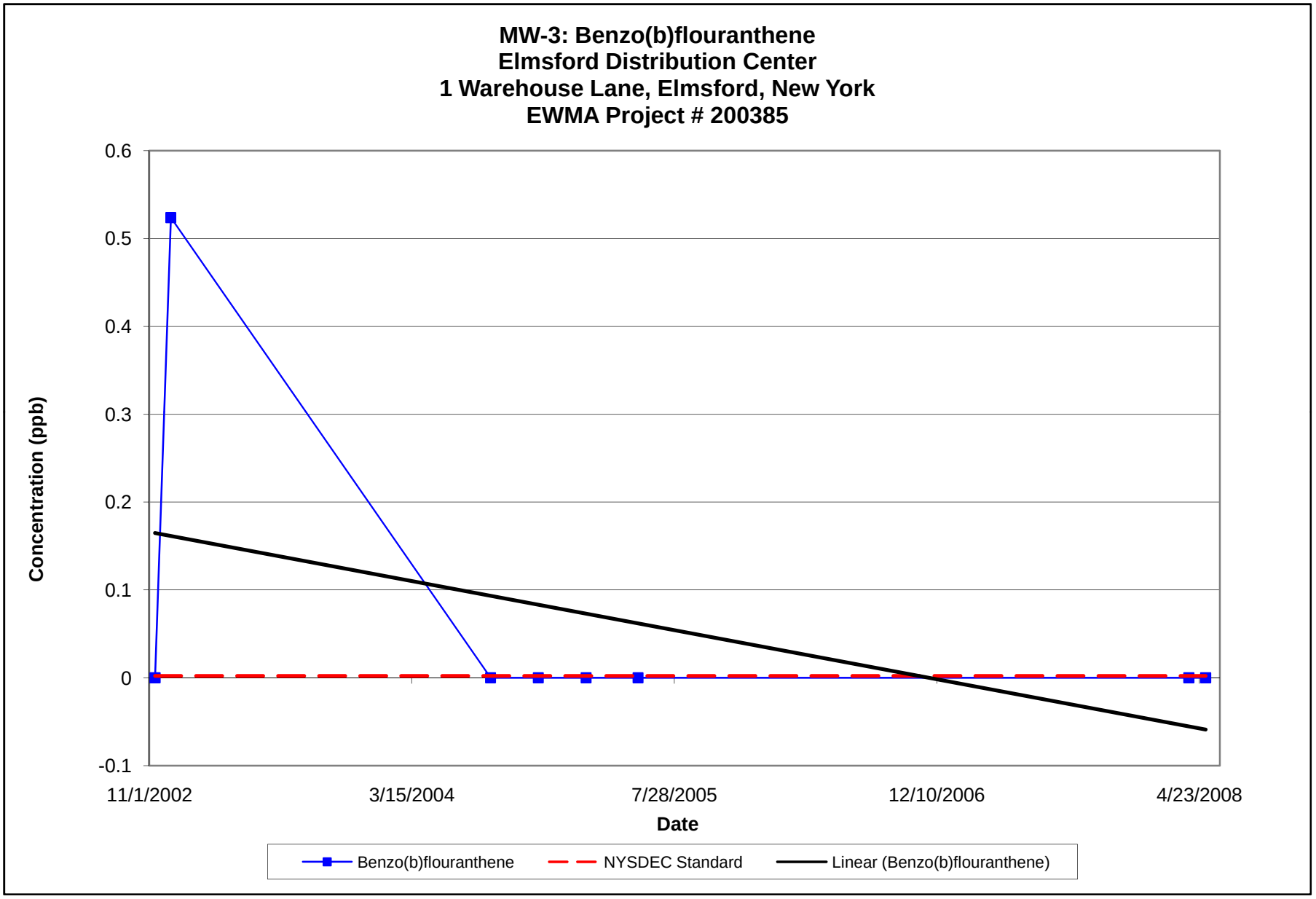

MW-3: N-Butylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
25
20
15
10
5
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
n-Butylbenzene
NYSDEC Standard
Linear (n-Butylbenzene)

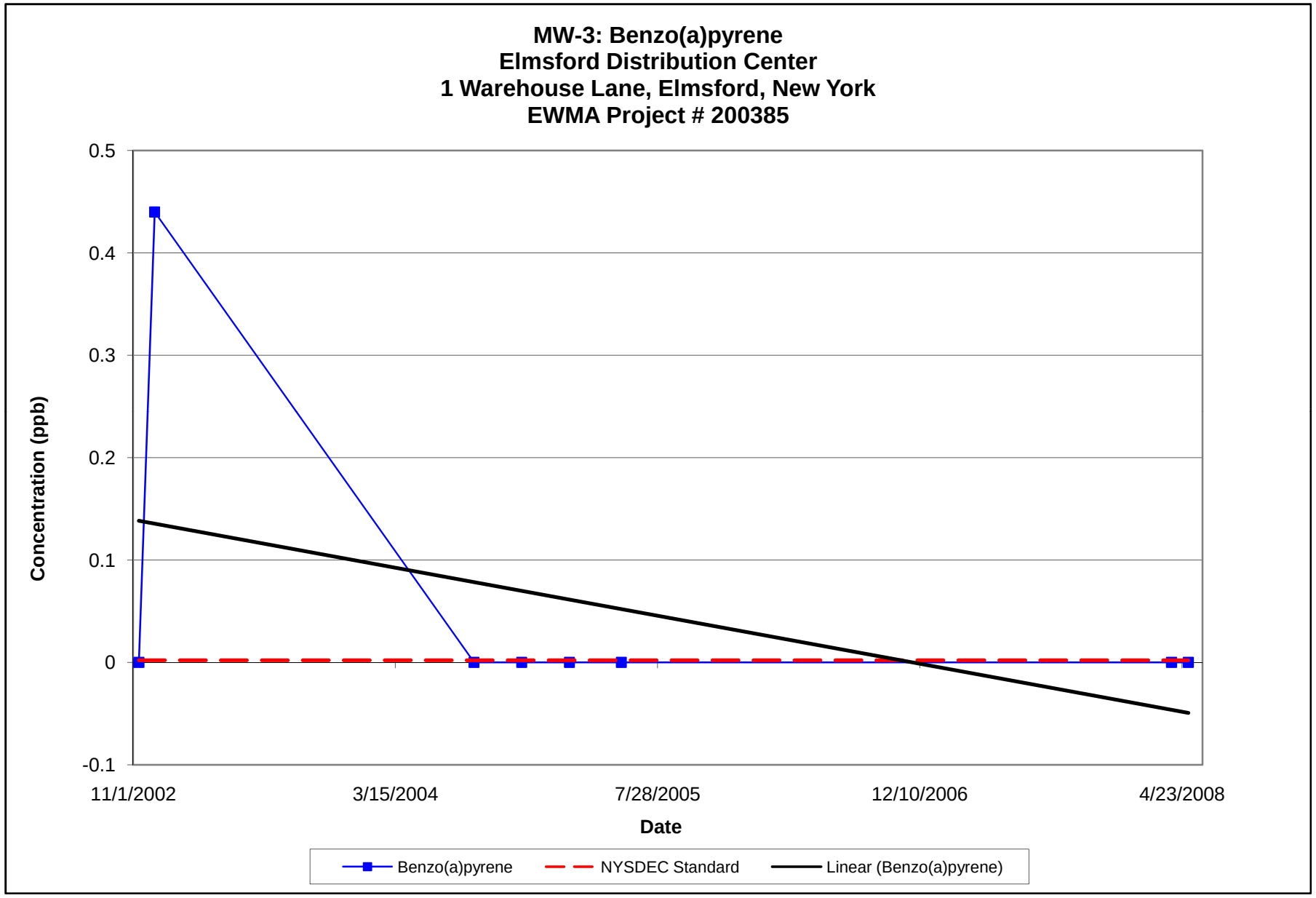

MW-3: Naphthalene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
150
125
100
75
50
25
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Naphthalene
NYSDEC Standard
Linear (Naphthalene)

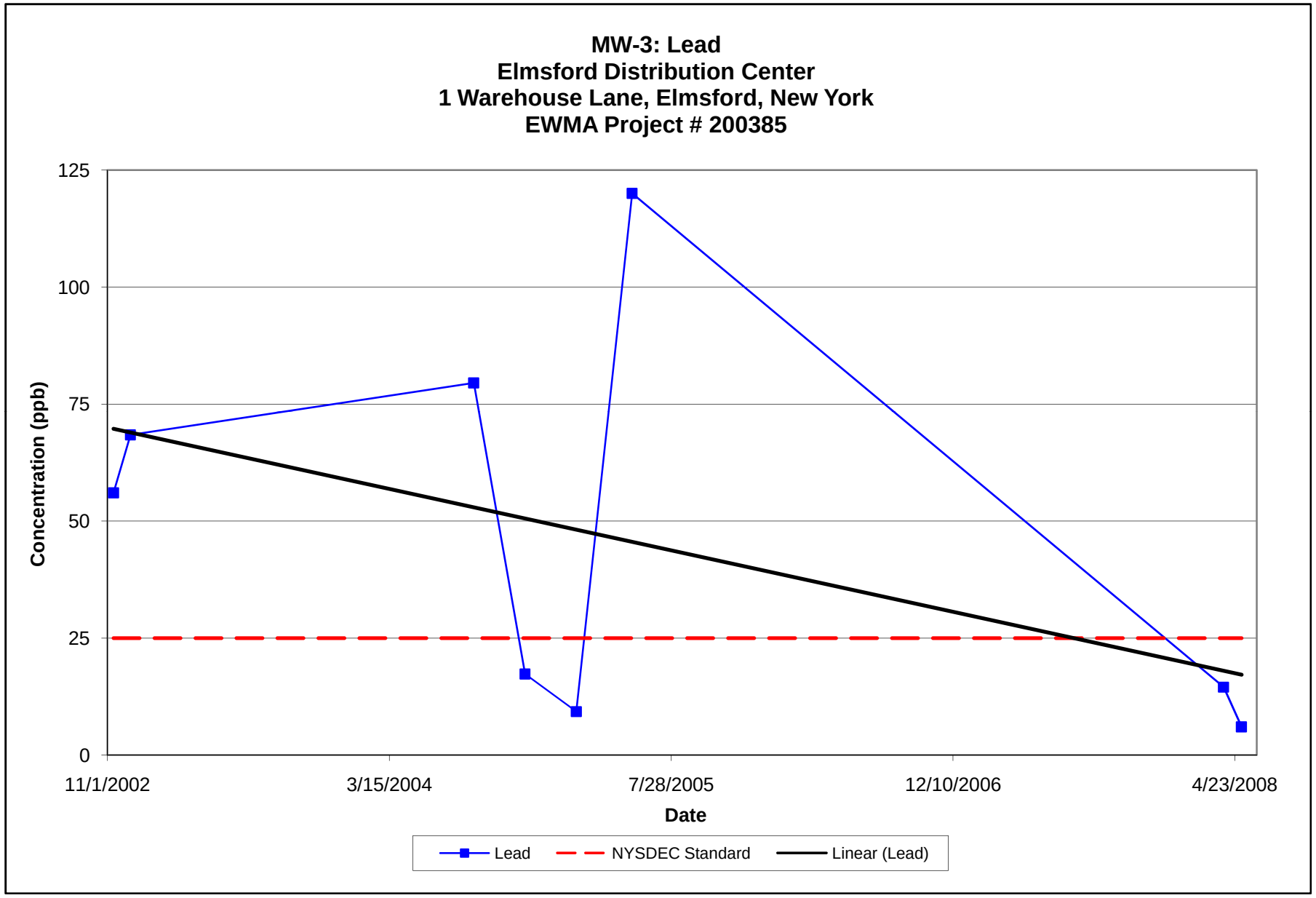

MW-3: Acenaphthalene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
75
60
45
30
15
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Acenaphthalene
NYSDEC Standard
Linear (Acenaphthalene)

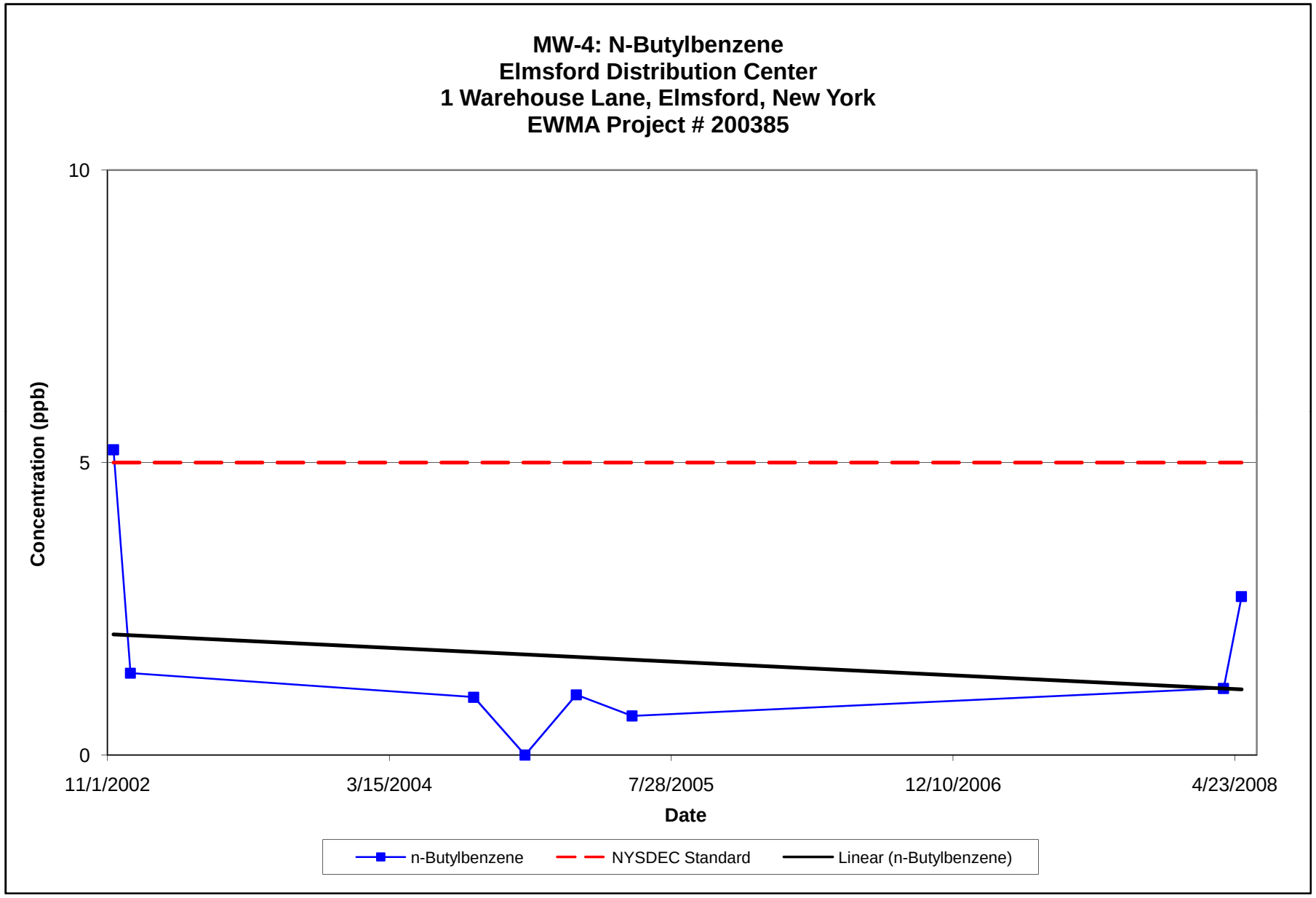

MW-3: Benzo(a)anthracene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
1.25
1
0.75
0.5
0.25
0
-0.25
Concentration (ppb)
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzo(a)anthracene
NYSDEC Standard
Linear (Benzo(a)anthracene)


MW-3: Chrysene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
1.75
1.5
1.25
1
0.75
0.5
0.25
0
-0.25
-0.5
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Chrysene
NYSDEC Standard
Linear (Chrysene)

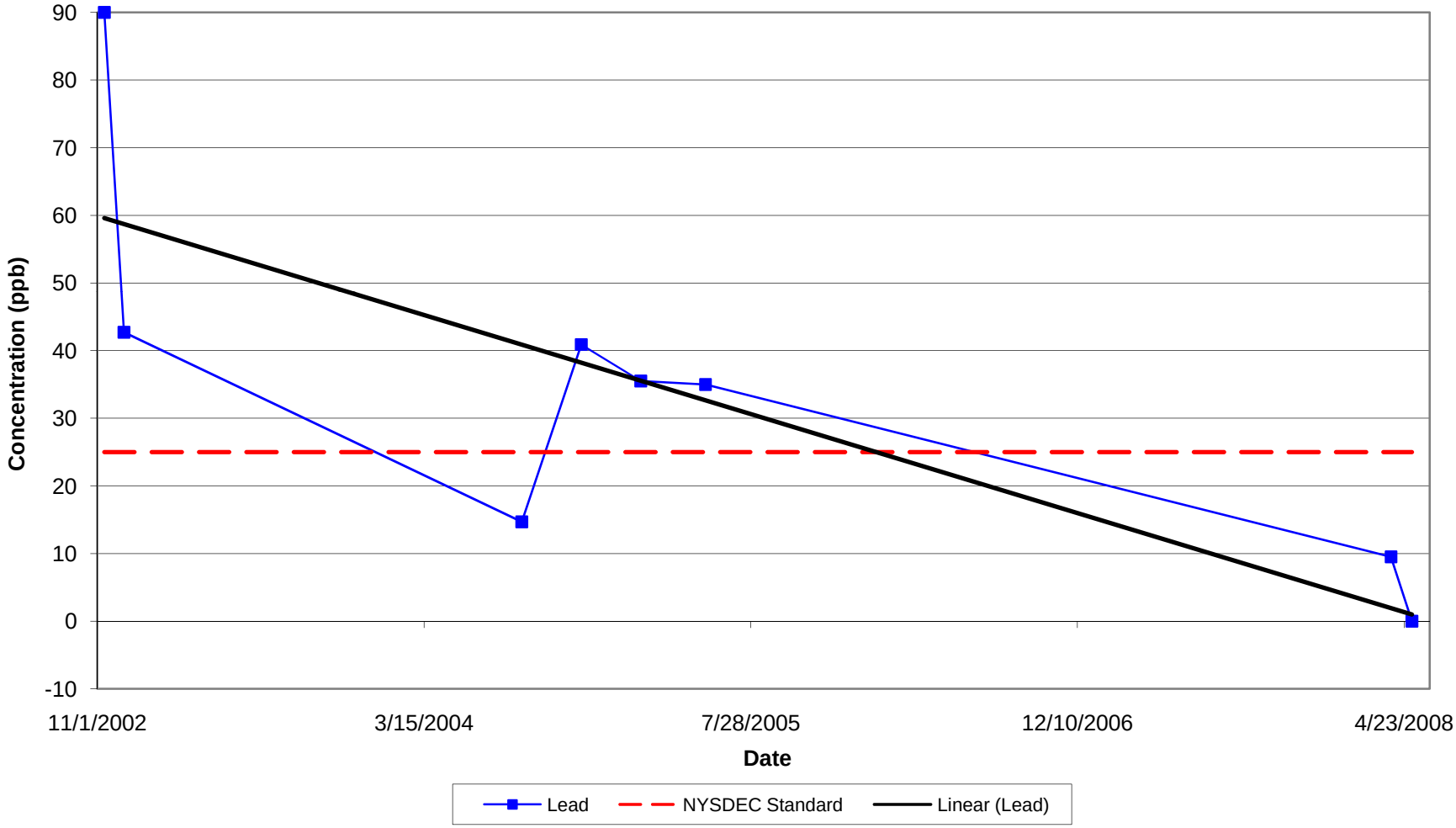

MW-3: Benzo(b)flouranthene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzo(b)flouranthene
NYSDEC Standard
Linear (Benzo(b)flouranthene)

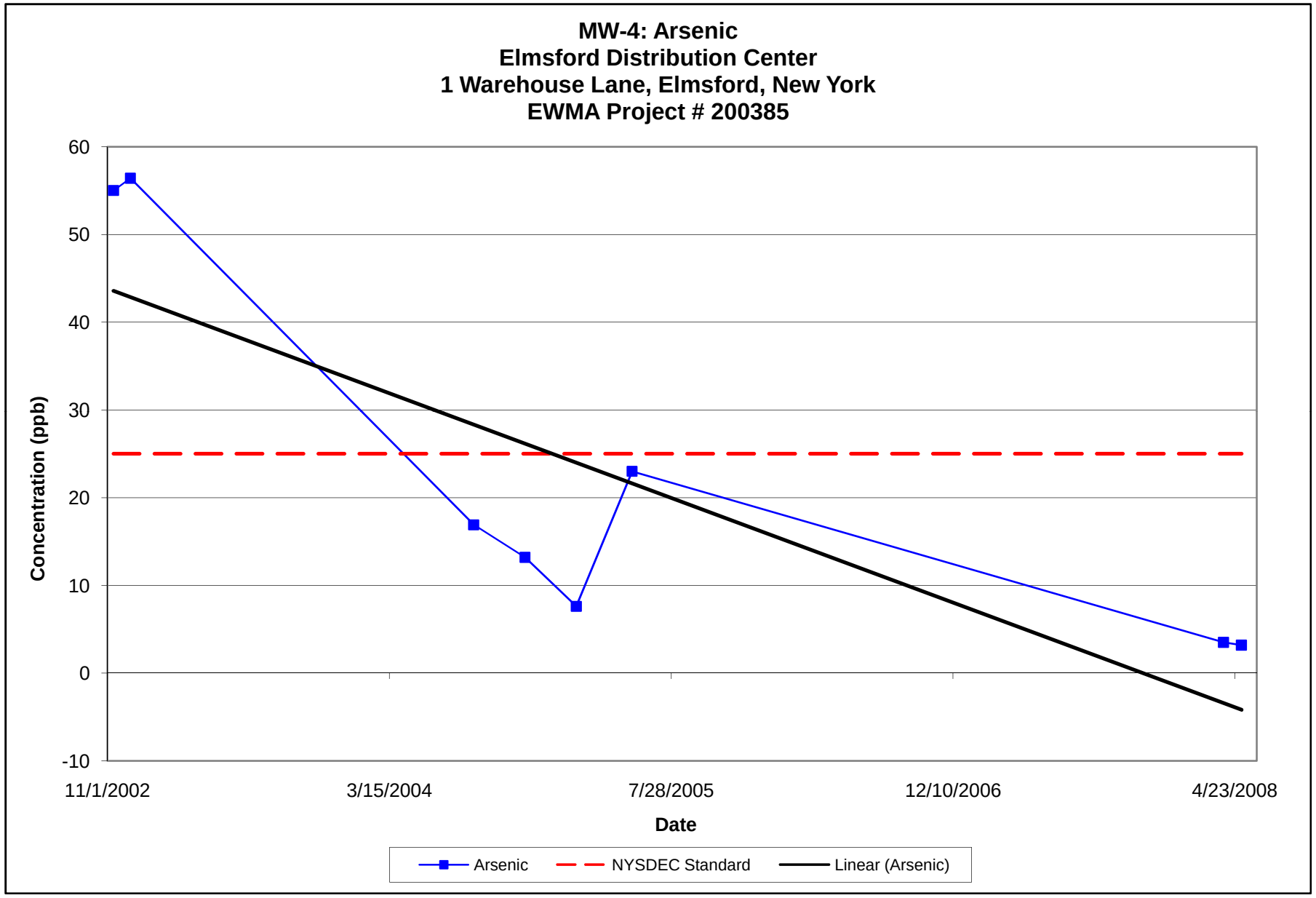

MW-3: Benzo(a)pyrene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
0.5
0.4
0.3
0.2
0.1
0
-0.1
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzo(a)pyrene
NYSDEC Standard
Linear (Benzo(a)pyrene)

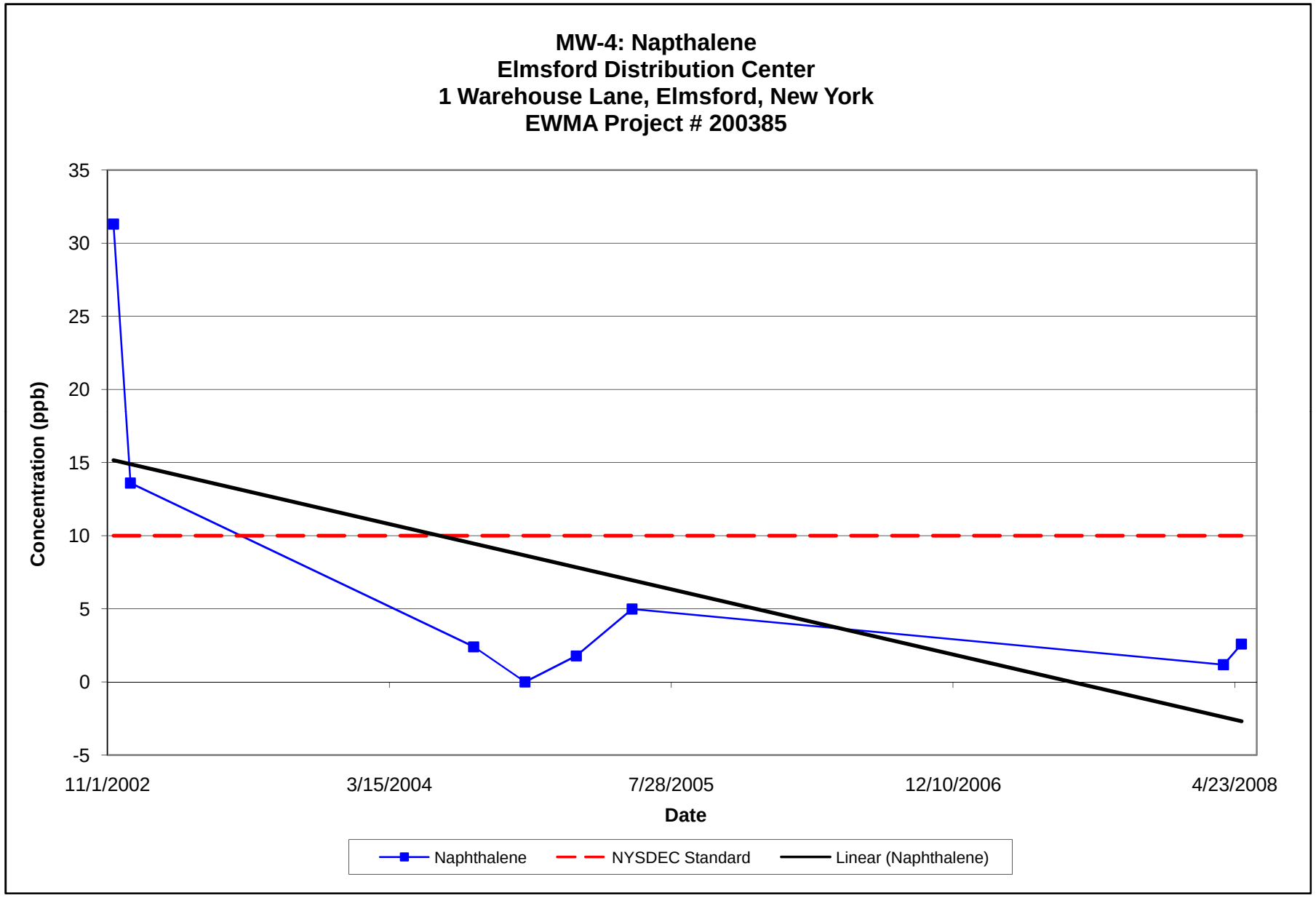

MW-3: Lead
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
125
100
75
50
25
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Lead
NYSDEC Standard
Linear (Lead)

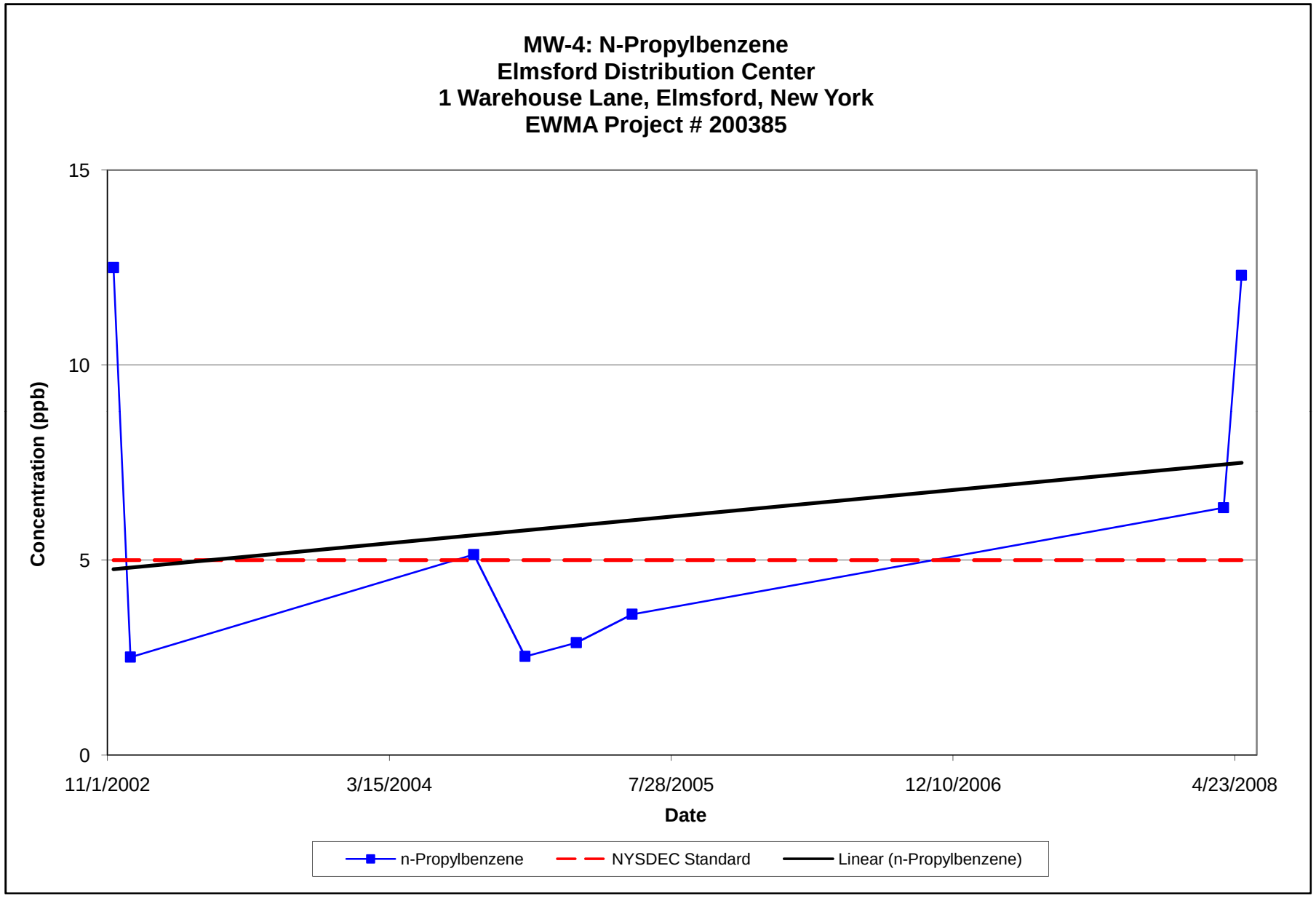

MW-4: N-Butylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
10
5
0
Concentration (ppb)
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
n-Butylbenzene
NYSDEC Standard
Linear (n-Butylbenzene)

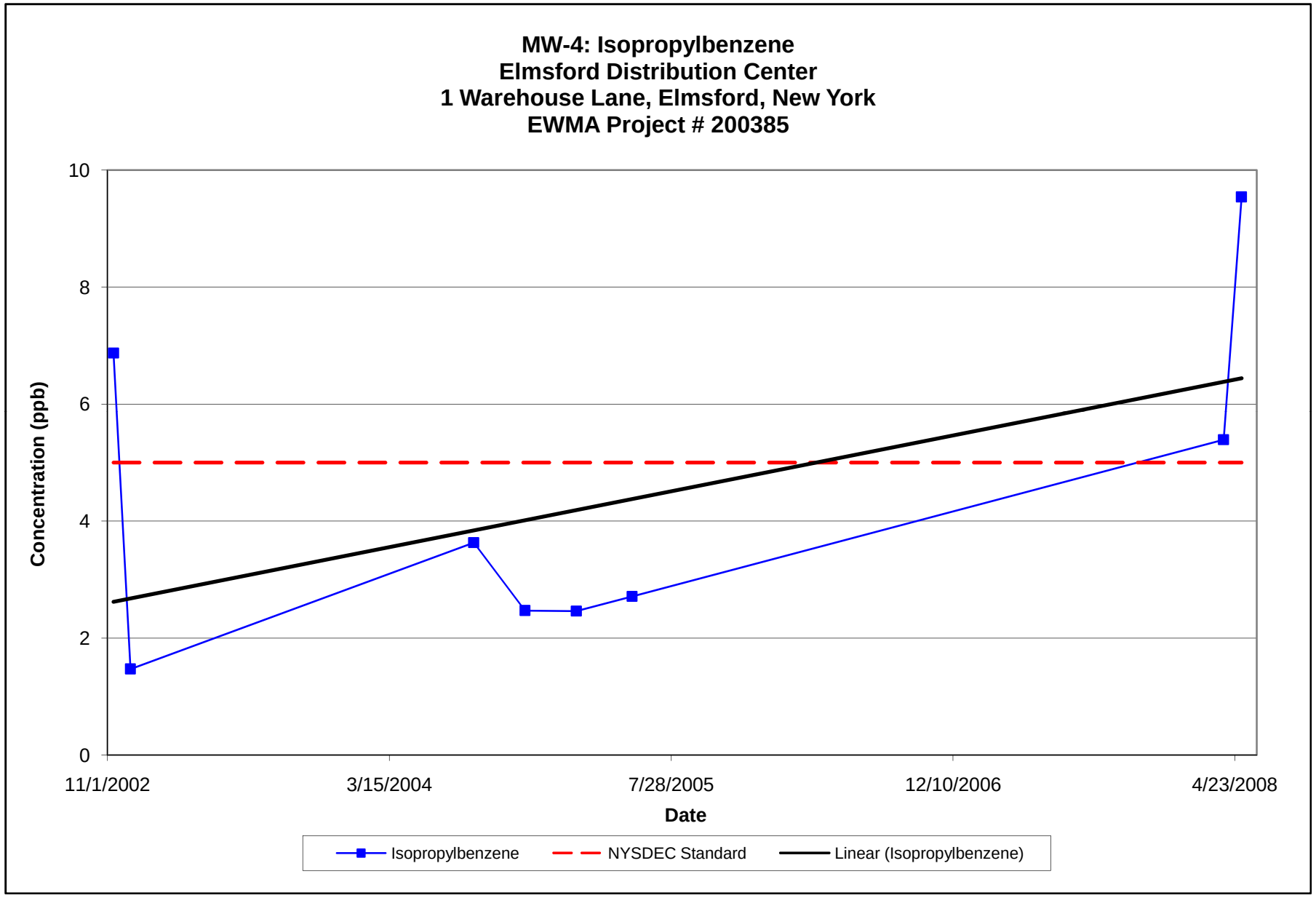
MW-4: Lead
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

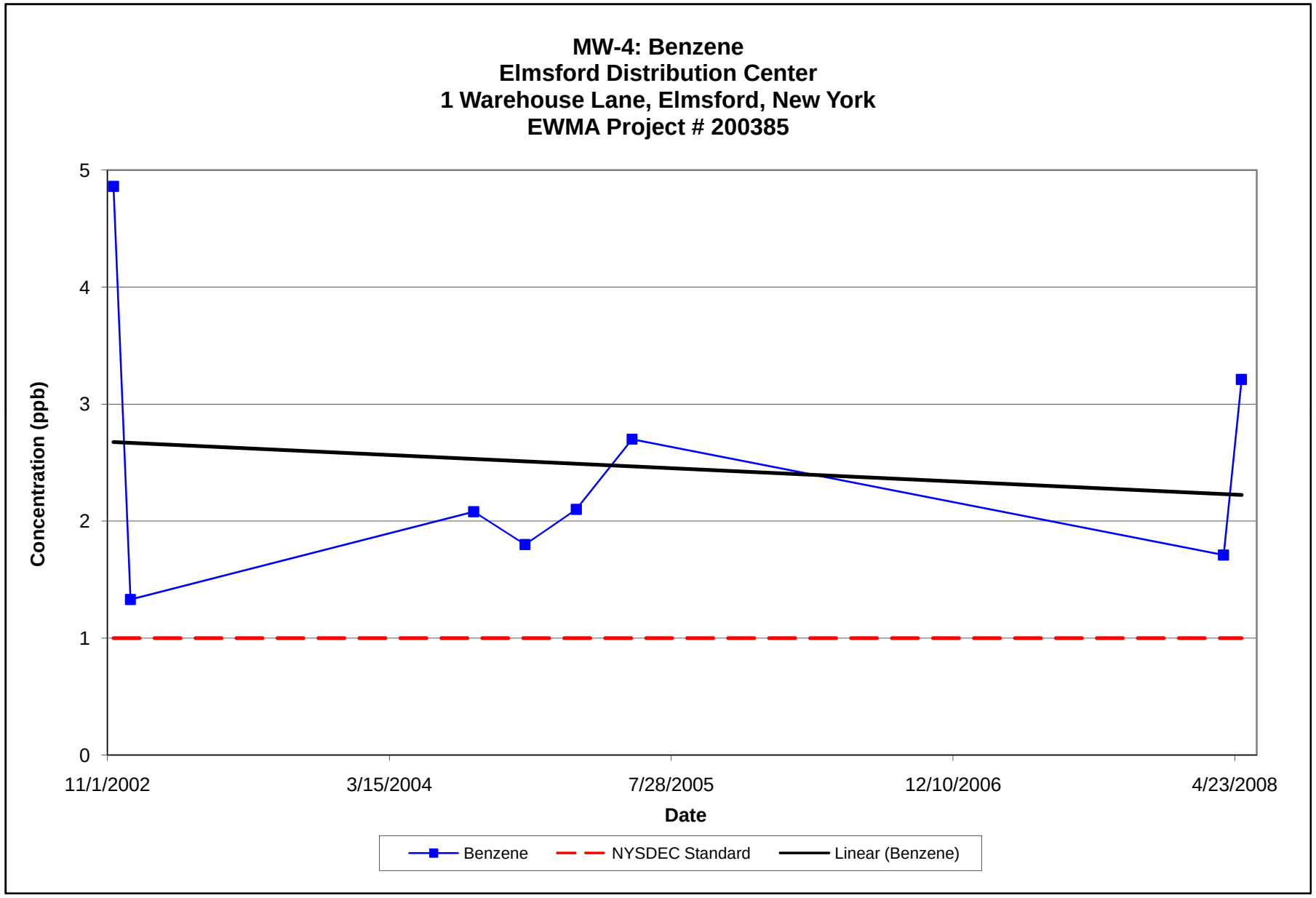



MW-4: Arsenic
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
60
50
40
30
20
10
0
-10
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Arsenic
NYSDEC Standard
Linear (Arsenic)

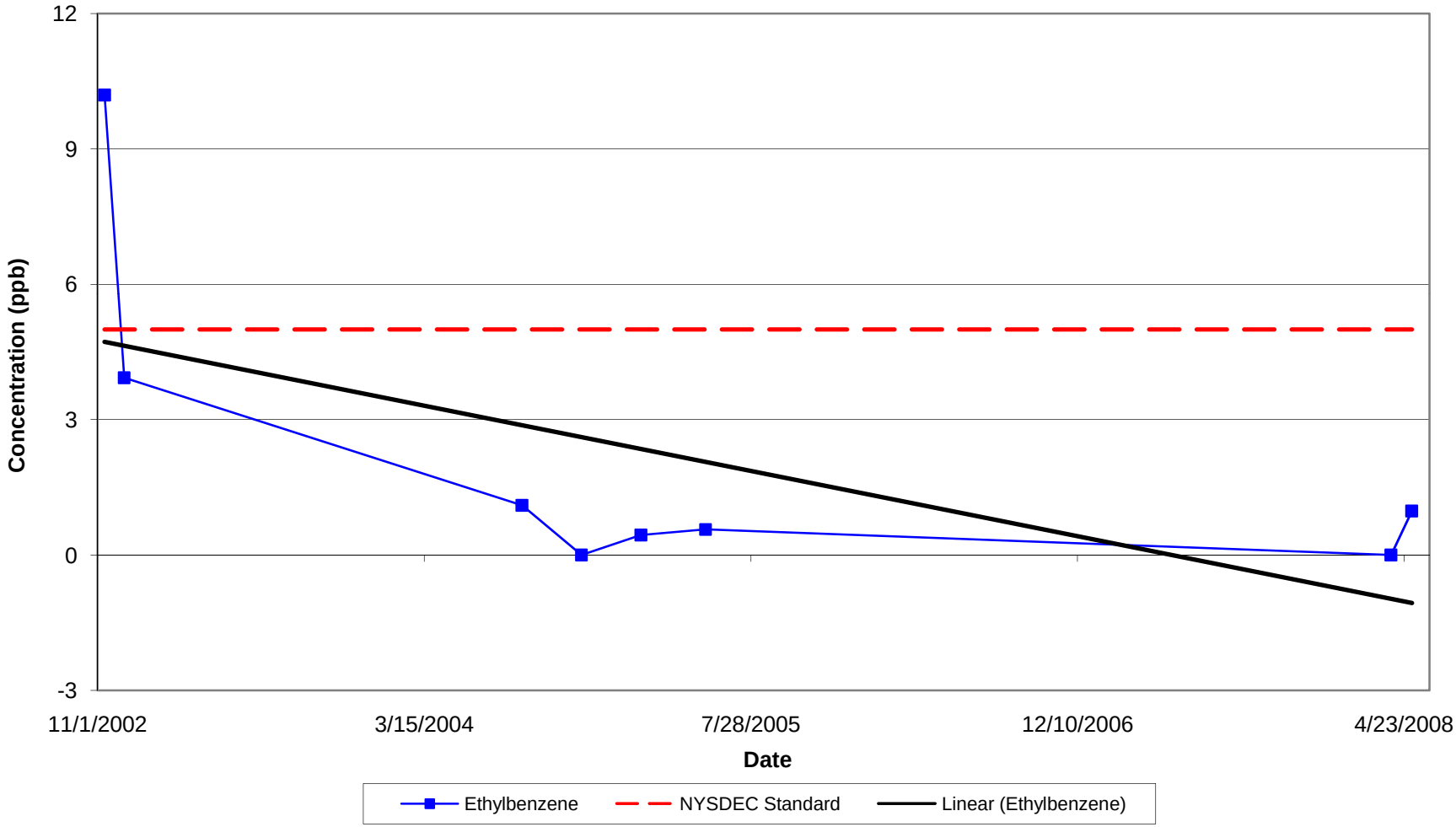

MW-4: Napthalene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
35
30
25
20
15
10
5
0
-5
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Naphthalene
NYSDEC Standard
Linear (Naphthalene)


MW-4: N-Propylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
15
10
5
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
n-Propylbenzene
NYSDEC Standard
Linear (n-Propylbenzene)

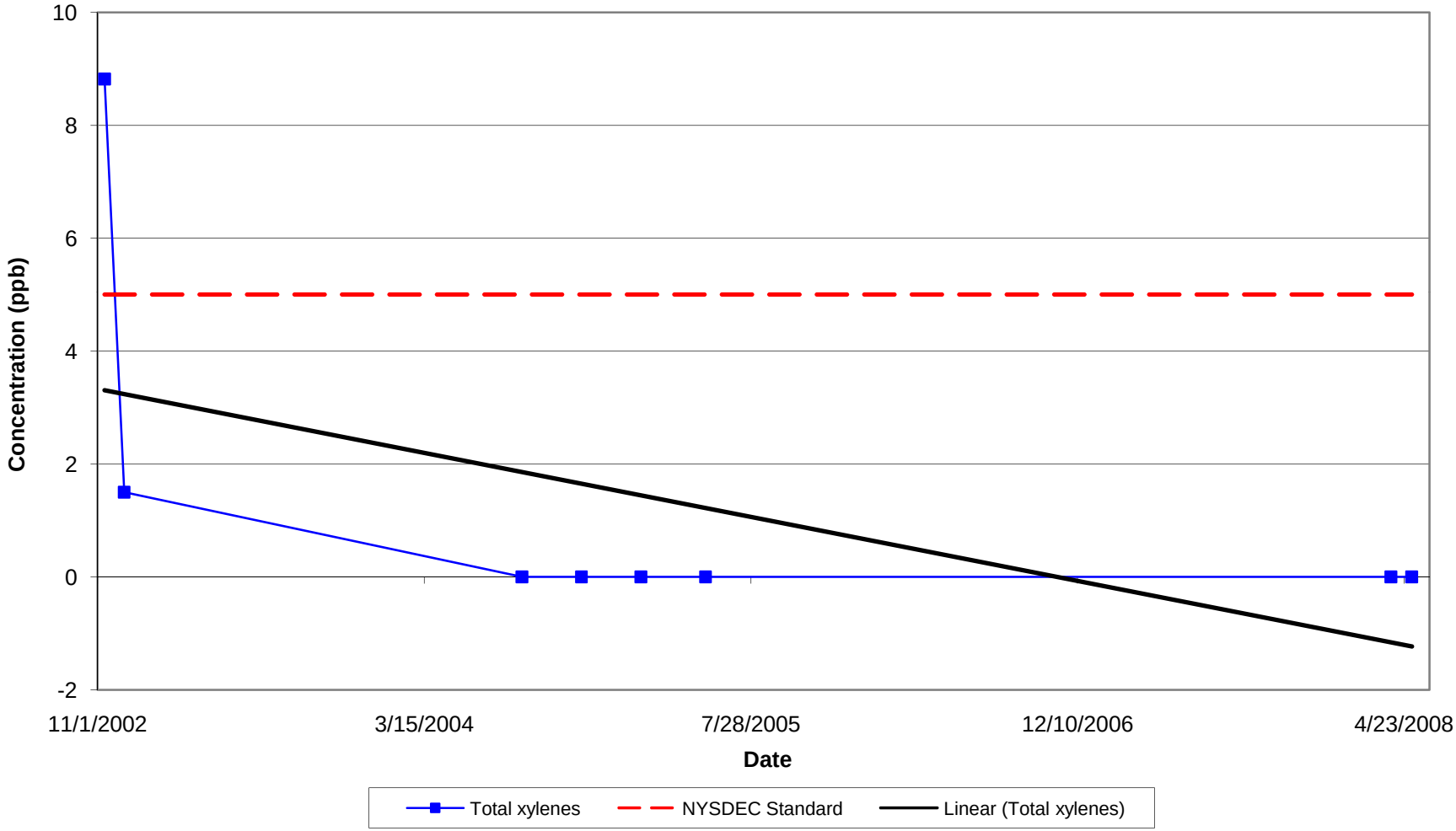

MW-4: Isopropylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
10
8
6
4
2
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Isopropylbenzene
NYSDEC Standard
Linear (Isopropylbenzene)

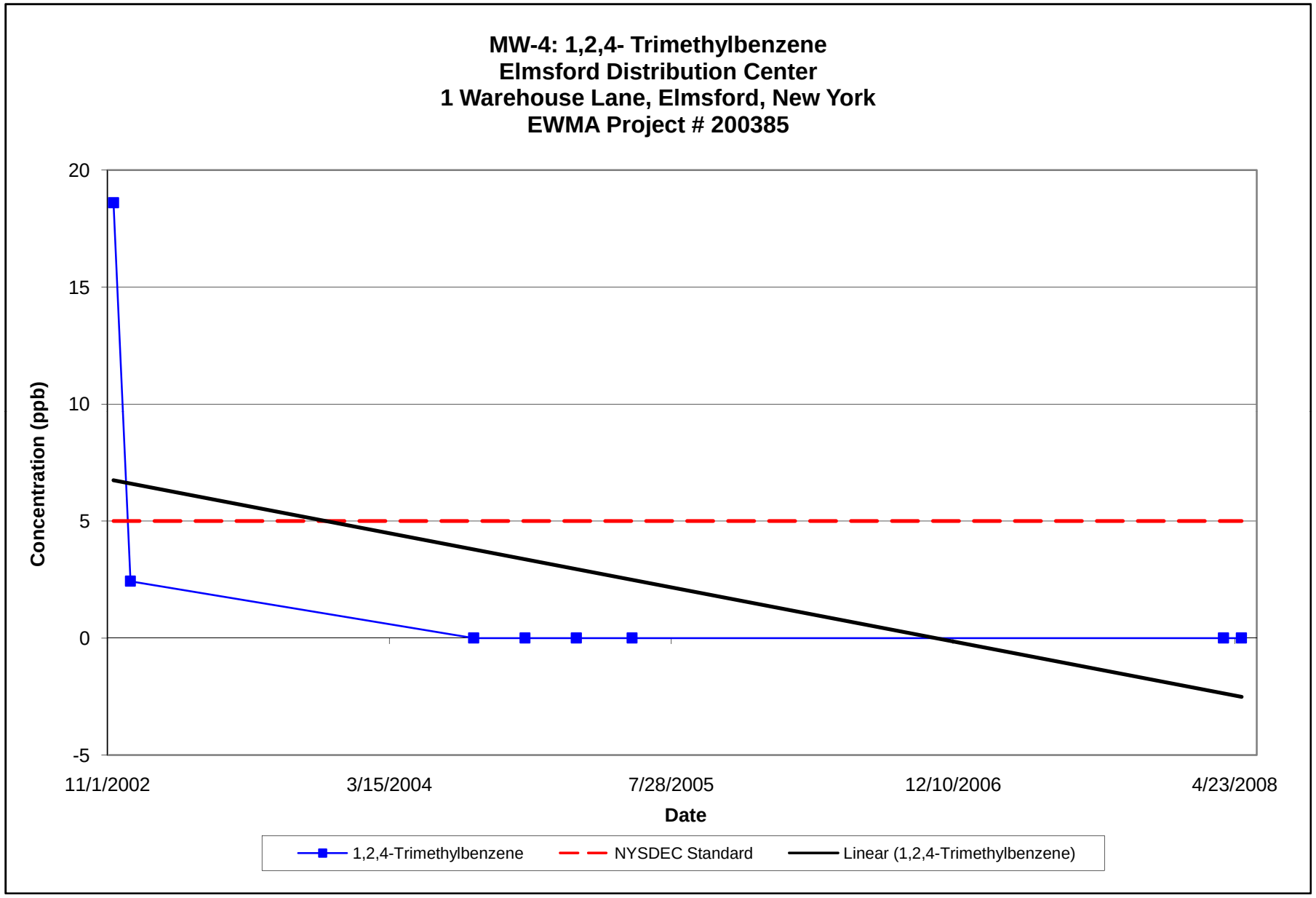

MW-4: Benzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
5
4
3
2
1
0
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzene
NYSDEC Standard
Linear (Benzene)

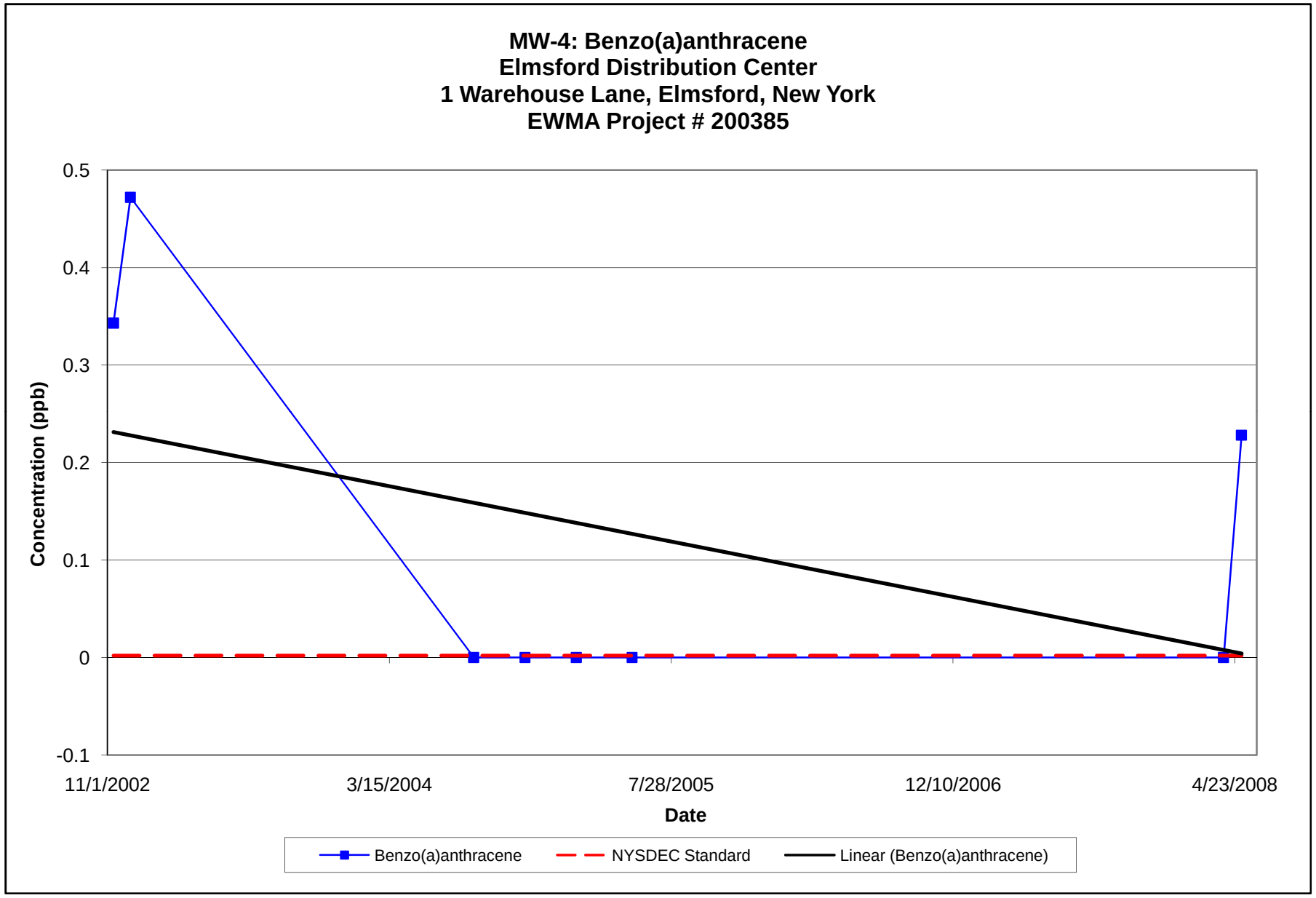
MW-4: Ethylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

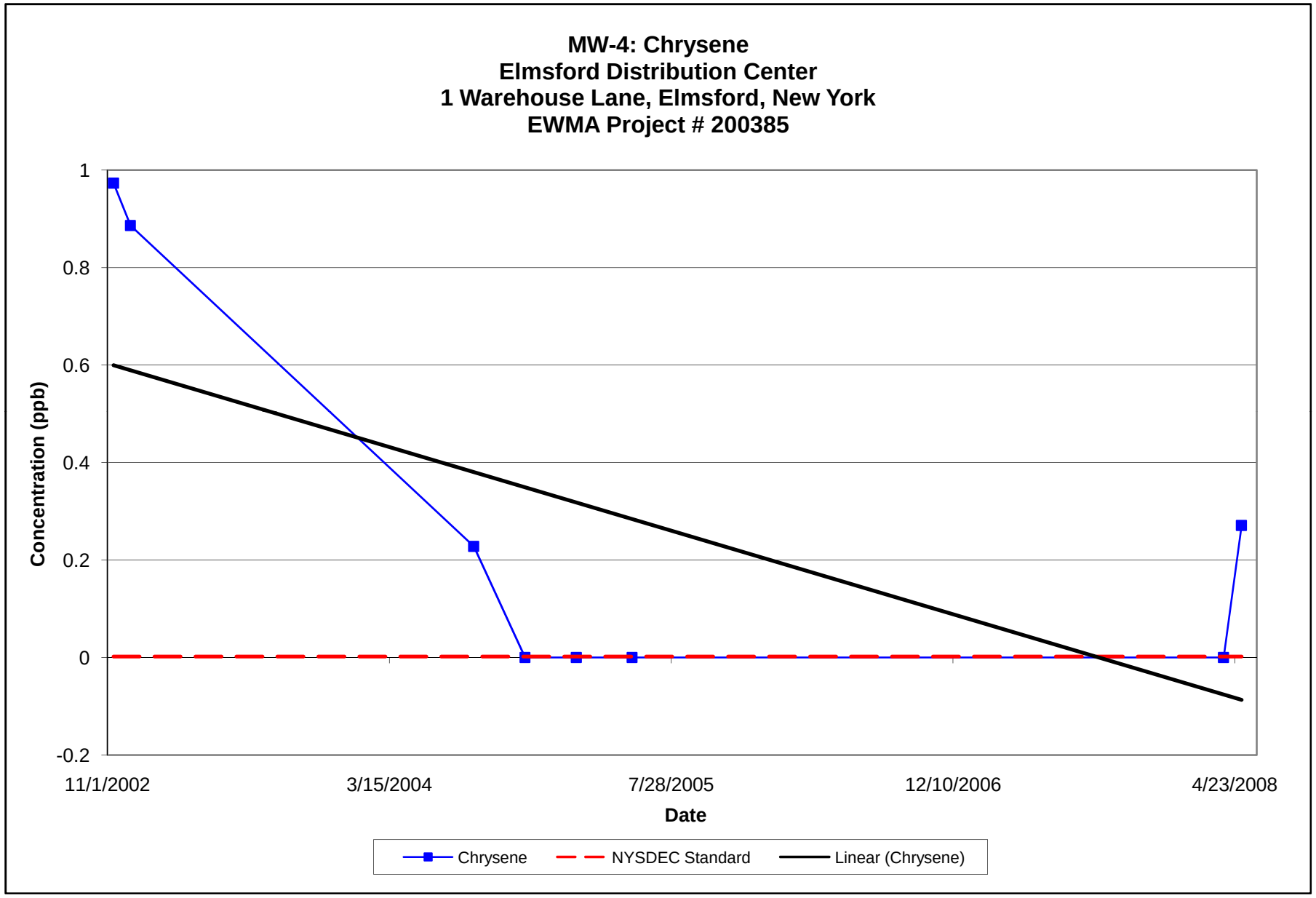


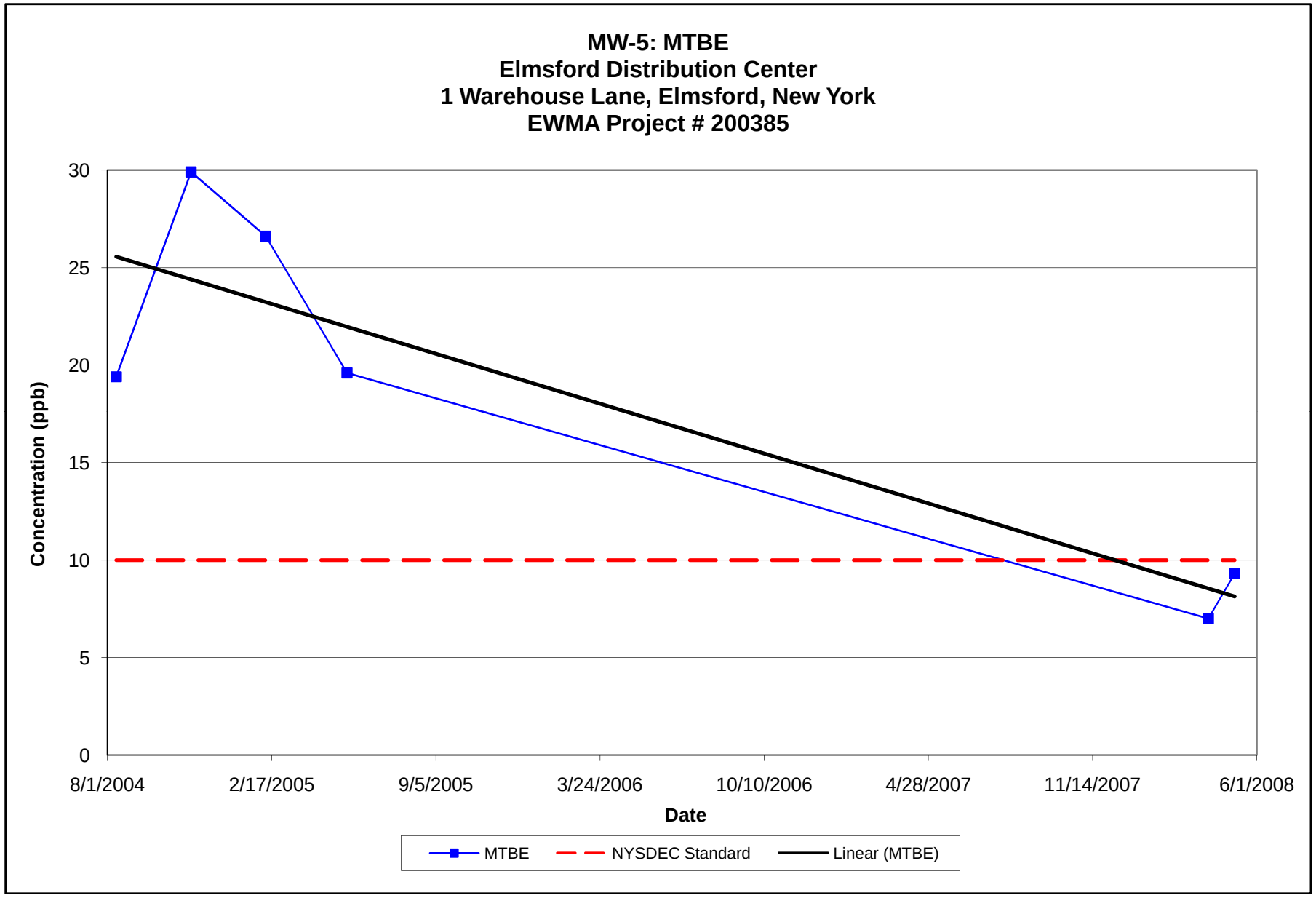
MW-4: Total Xylenes
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

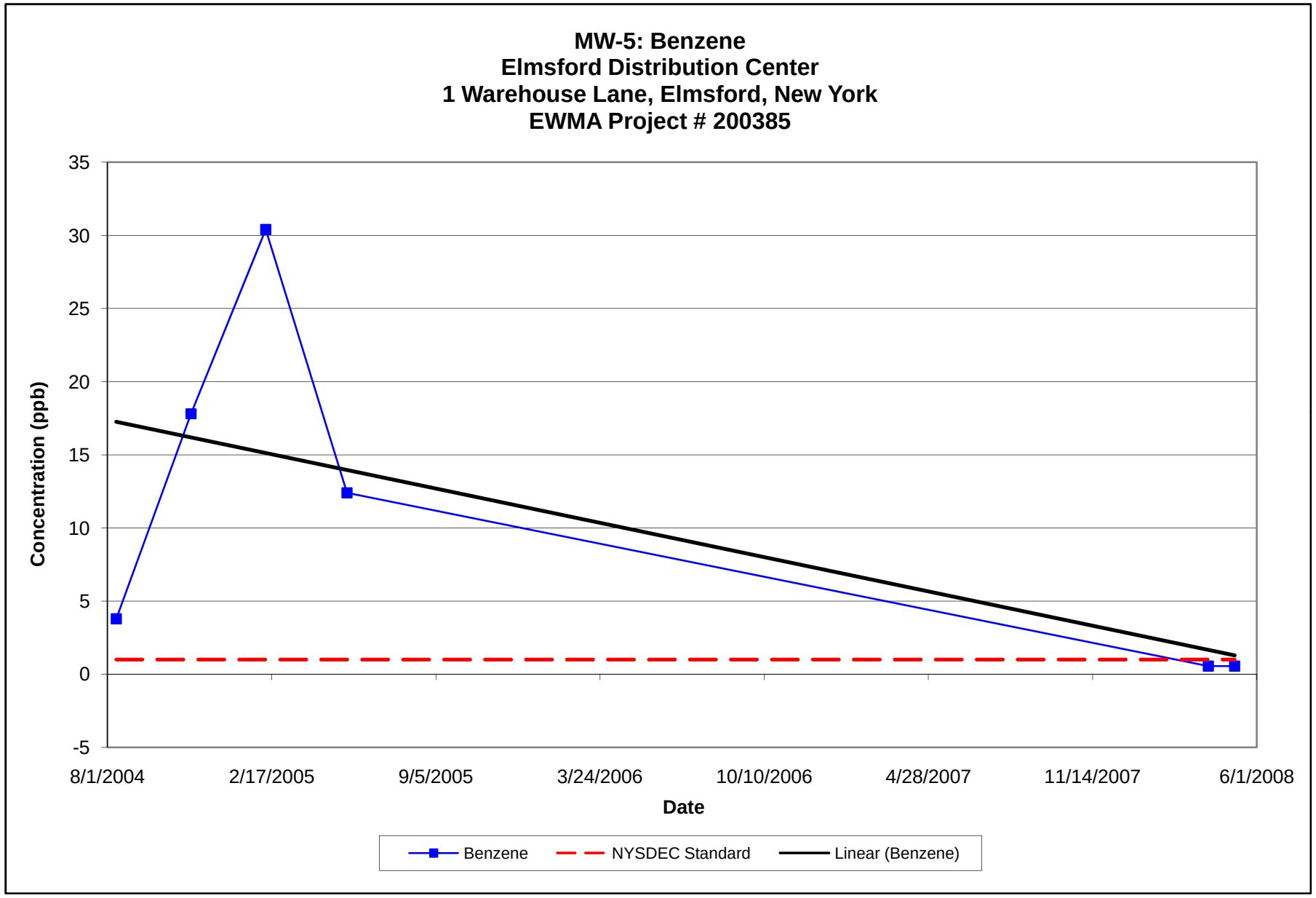



MW-4: 1,2,4- Trimethylbenzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
20
15
10
5
0
-5
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
1,2,4-Trimethylbenzene
NYSDEC Standard
Linear (1,2,4-Trimethylbenzene)

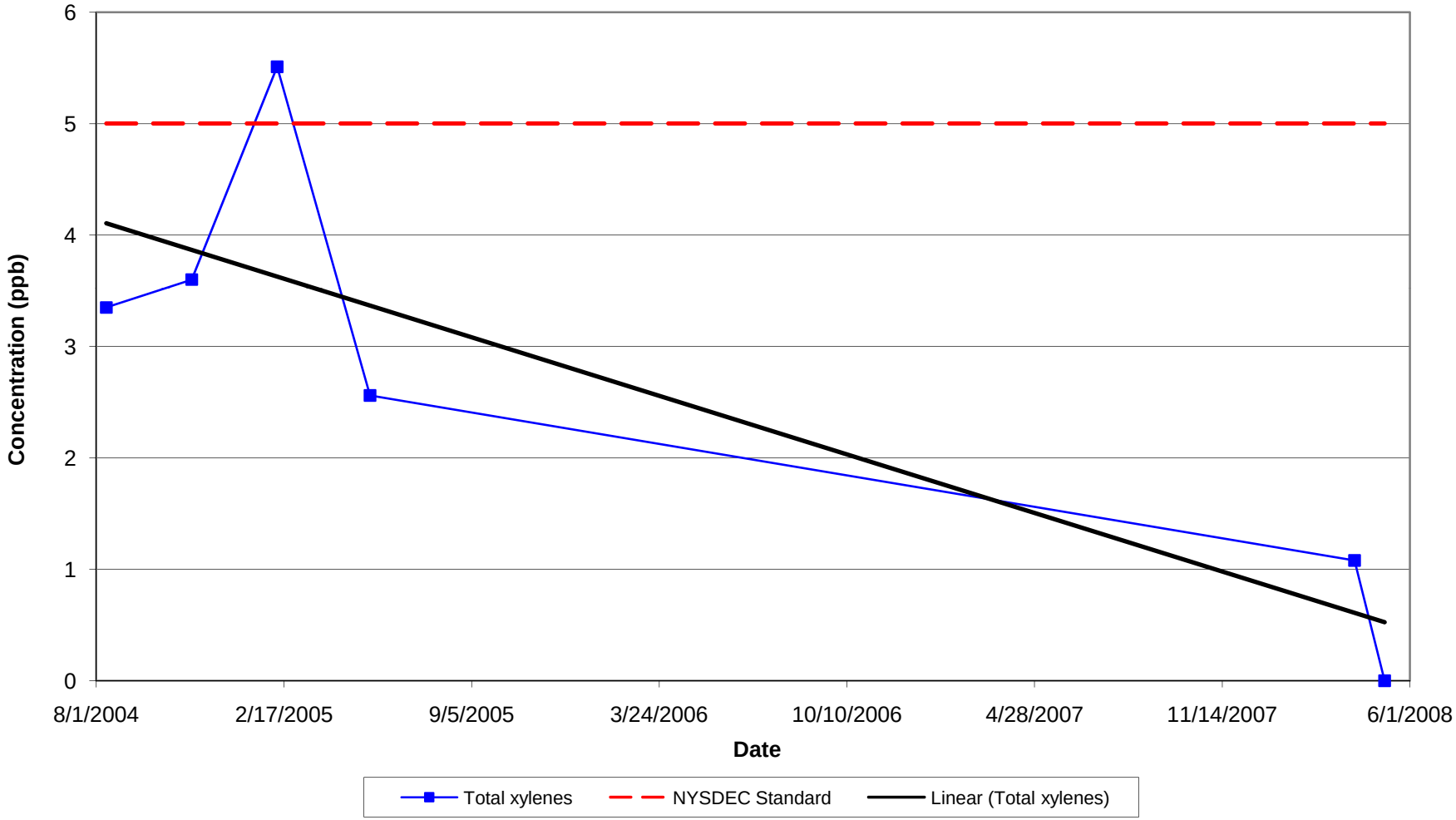

MW-4: Benzo(a)anthracene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
0.5
0.4
0.3
0.2
0.1
0
-0.1
Concentration (ppb)
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Benzo(a)anthracene
NYSDEC Standard
Linear (Benzo(a)anthracene)

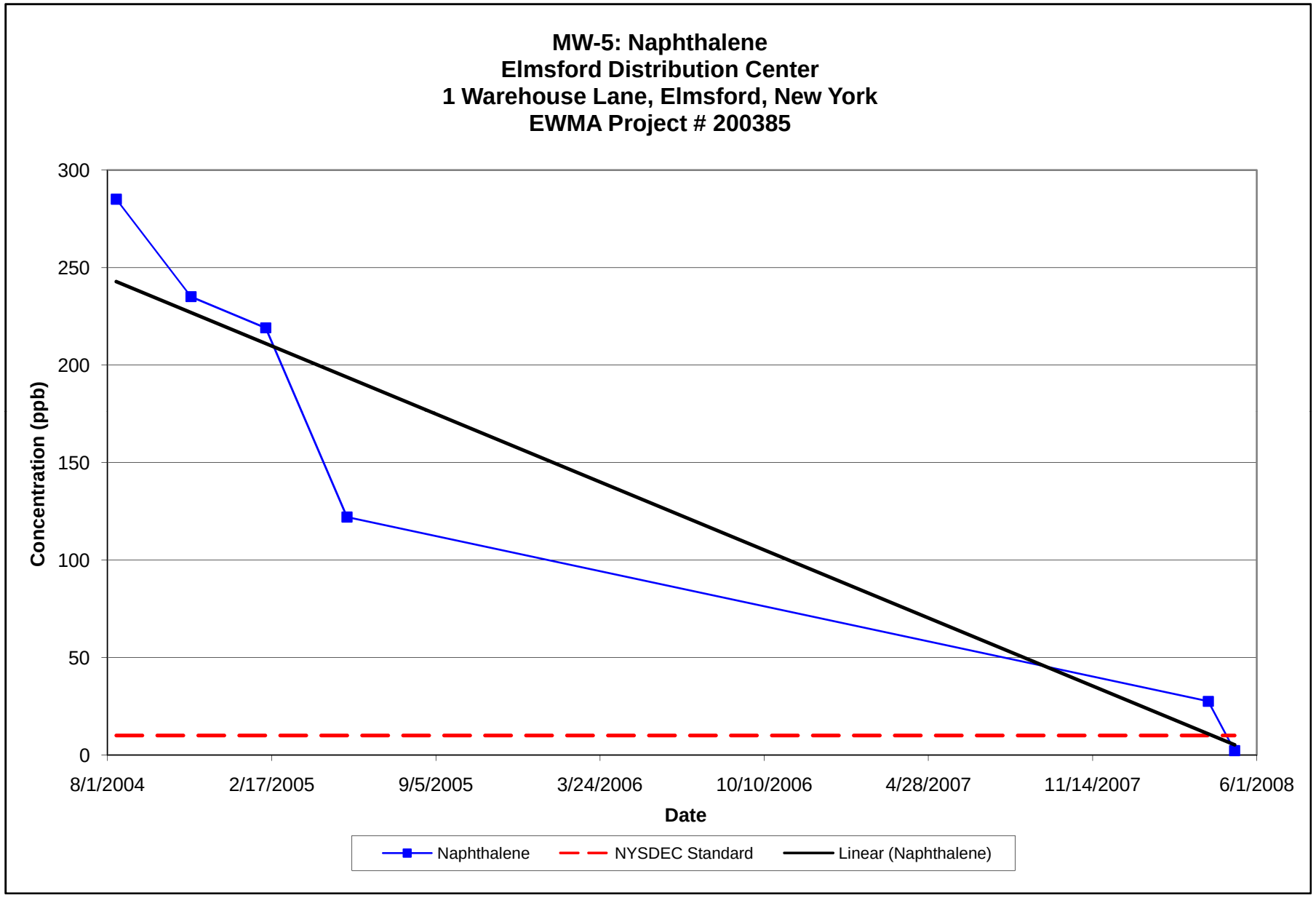

MW-4: Chrysene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
1
0.8
0.6
0.4
0.2
0
-0.2
11/1/2002
3/15/2004
7/28/2005
12/10/2006
4/23/2008
Date
Chrysene
NYSDEC Standard
Linear (Chrysene)

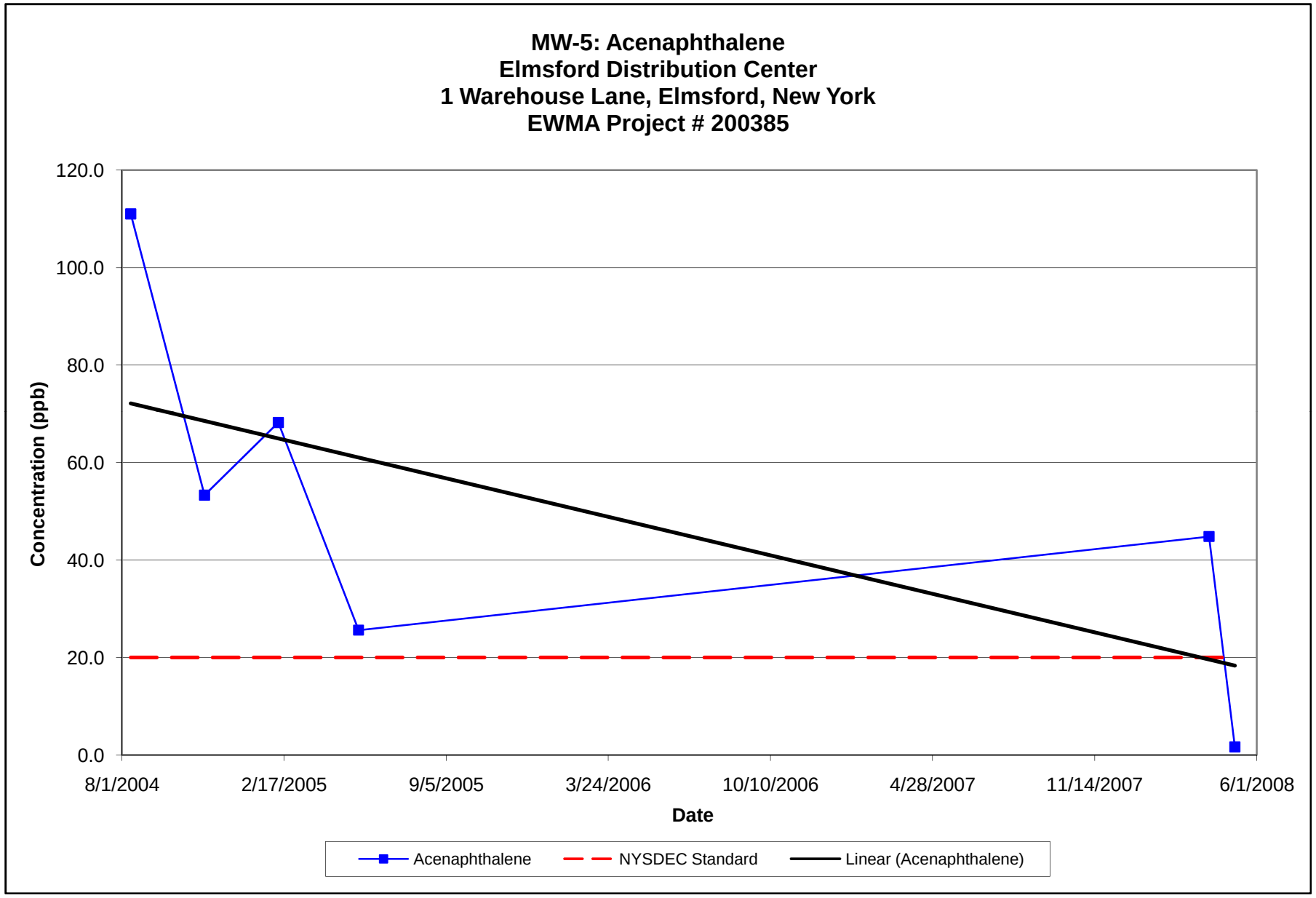

MW-5: MTBE
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
30
25
20
15
10
5
0
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
MTBE
NYSDEC Standard
Linear (MTBE)

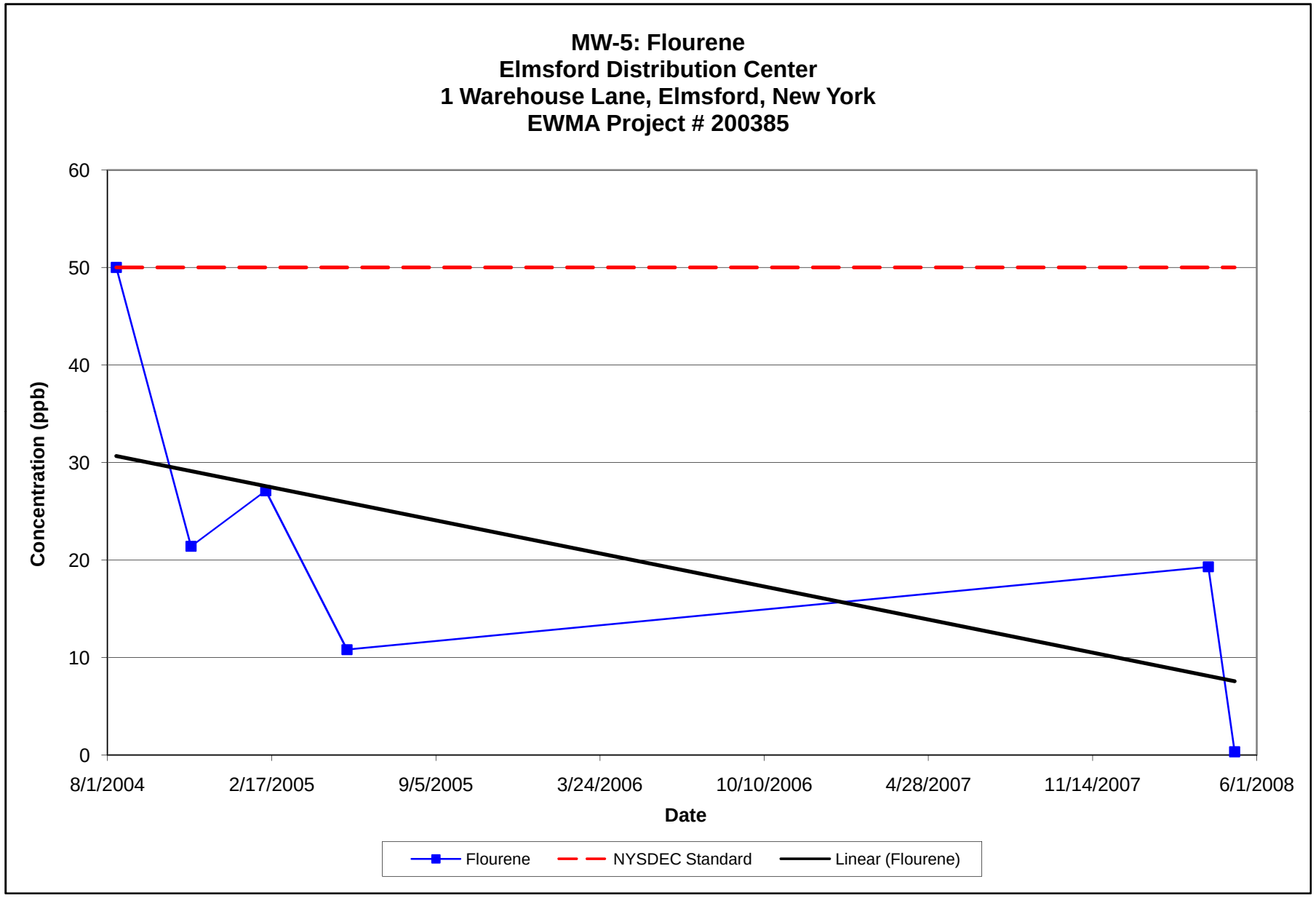

MW-5: Benzene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
35
30
25
20
15
10
5
0
-5
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Benzene
NYSDEC Standard
Linear (Benzene)

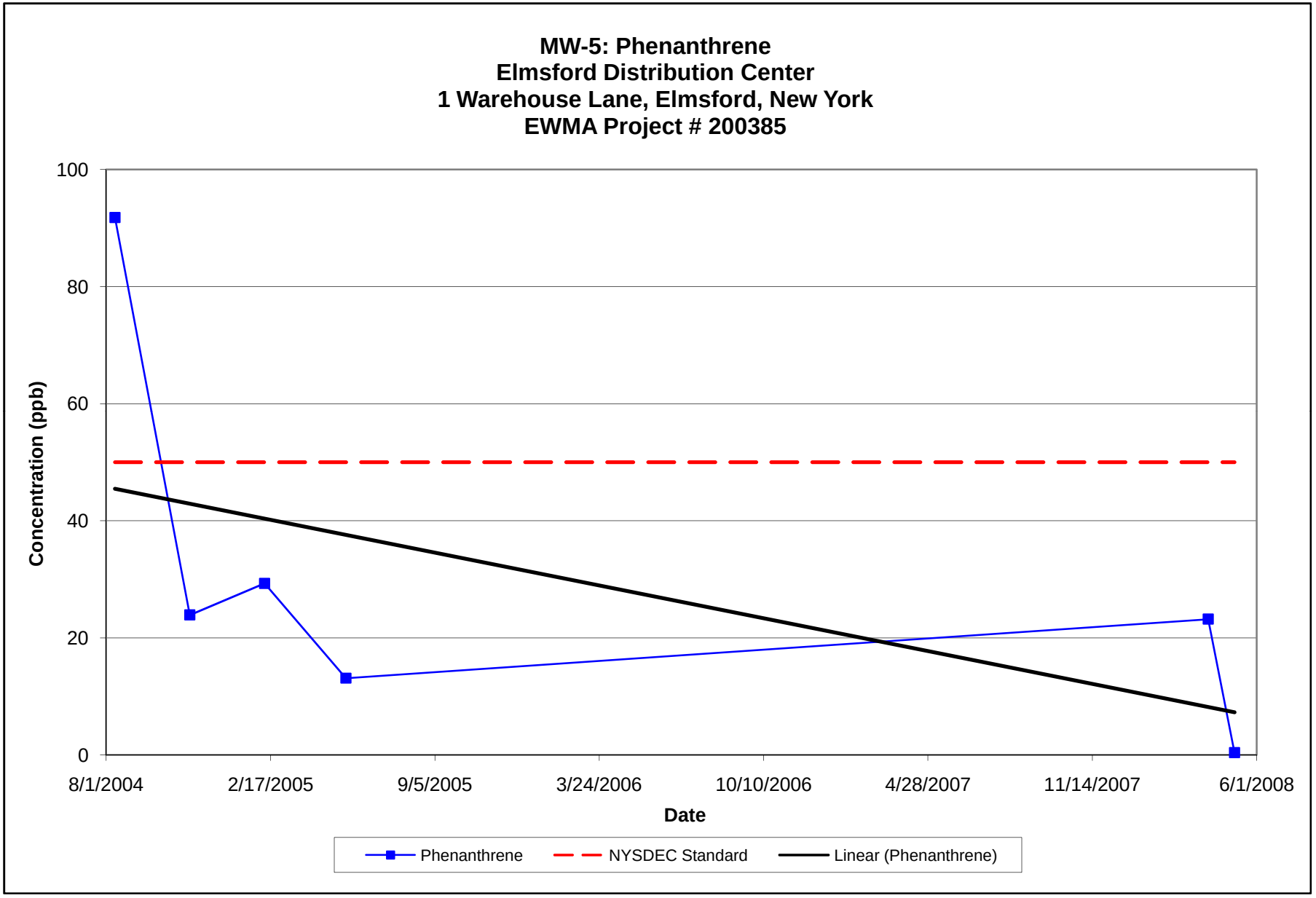
MW-5: Total Xylenes
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

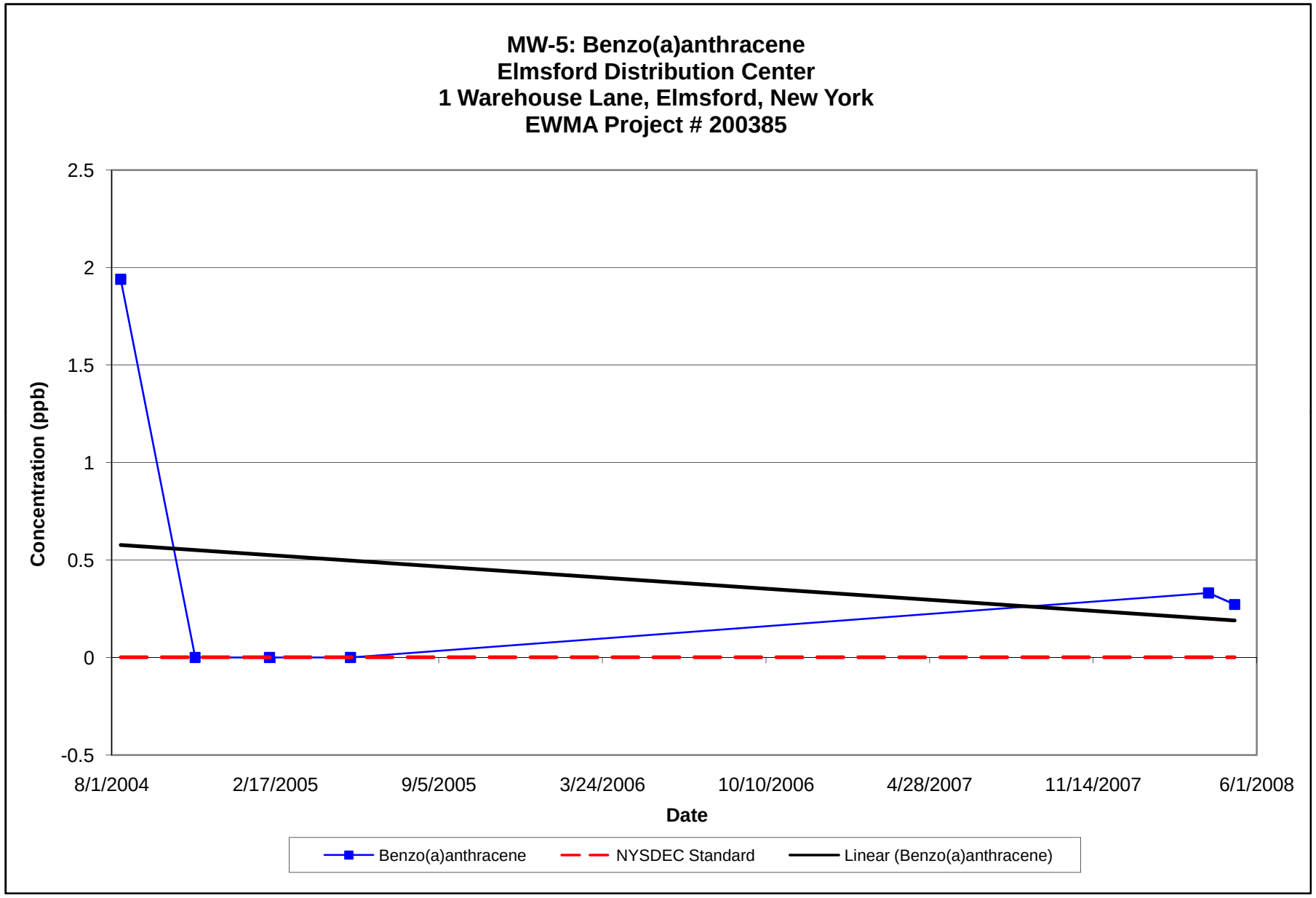


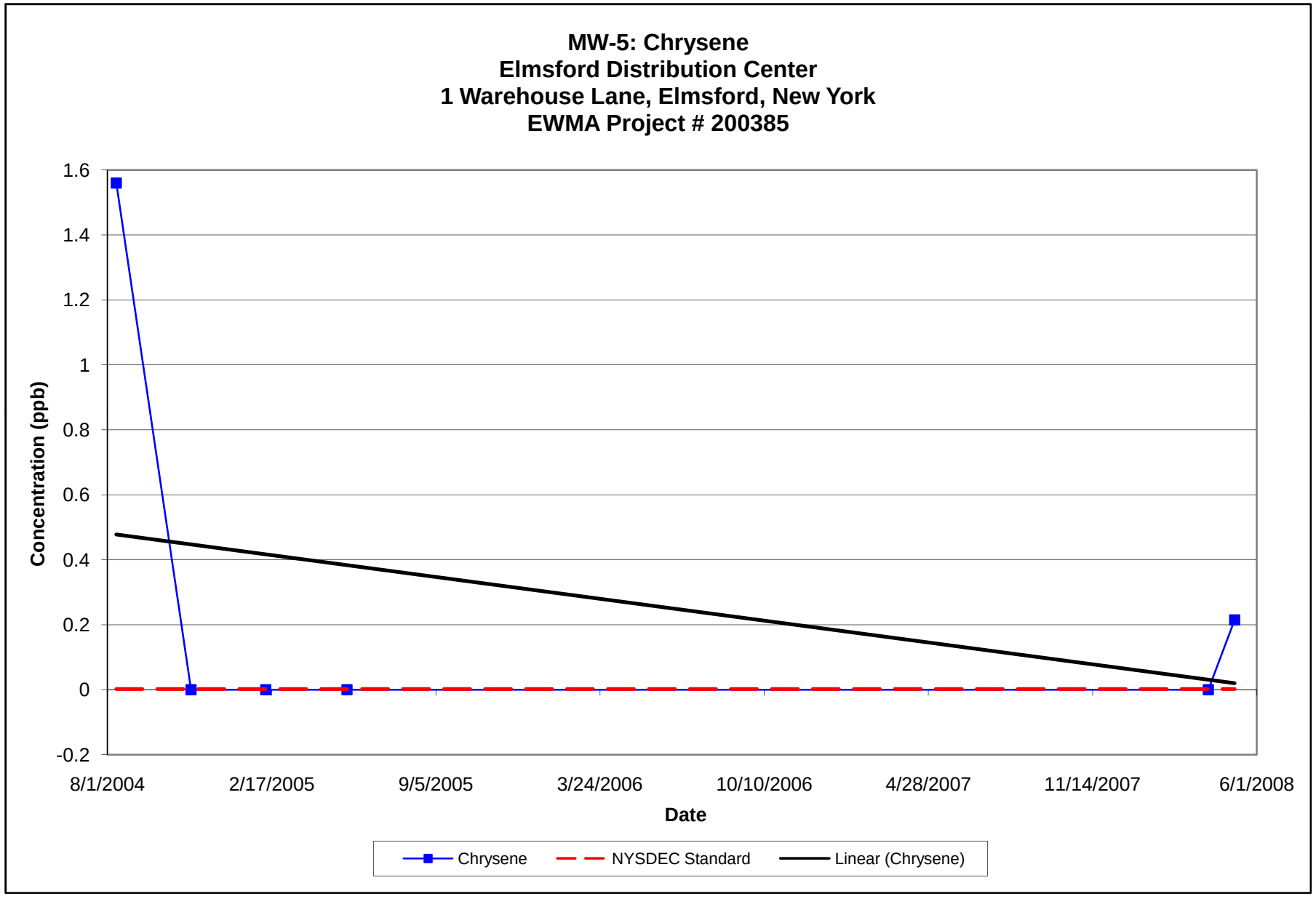

MW-5: Naphthalene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
300
250
200
150
100
50
0
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Naphthalene
NYSDEC Standard
Linear (Naphthalene)

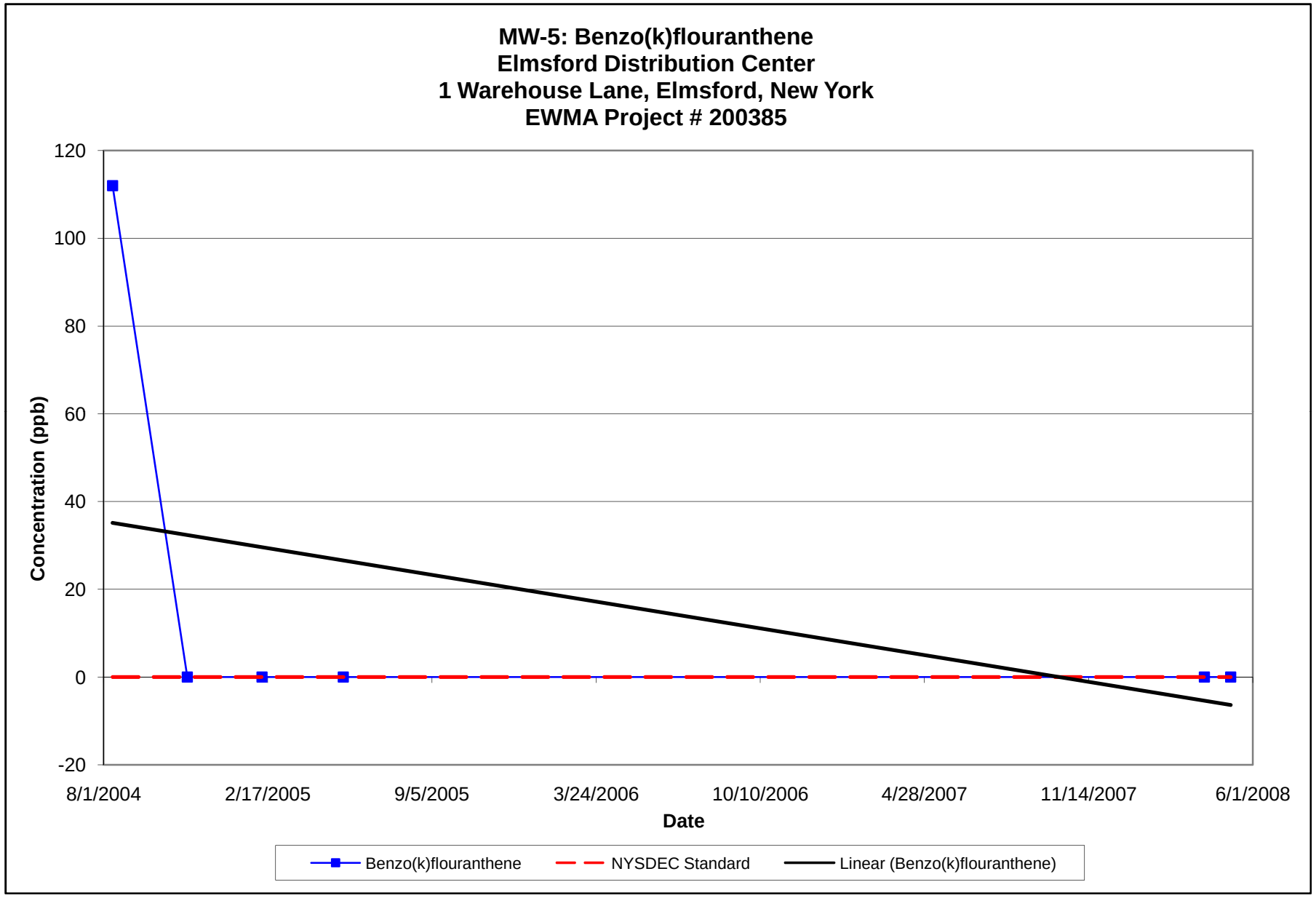

MW-5: Acenaphthalene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Concentration (ppb)
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Acenaphthalene
NYSDEC Standard
Linear (Acenaphthalene)

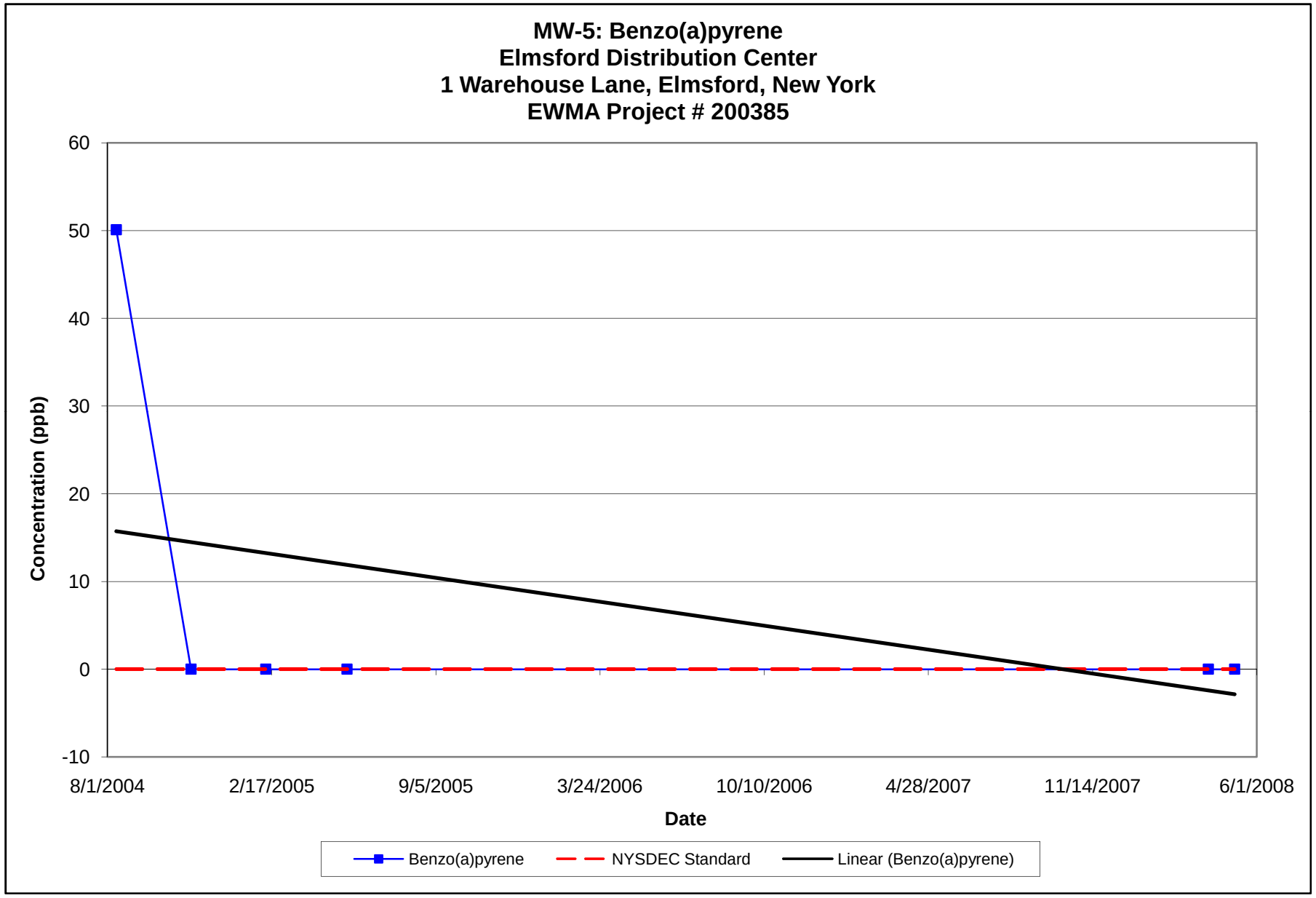

MW-5: Flourene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
60
50
40
30
20
10
0
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Flourene
NYSDEC Standard
Linear (Flourene)

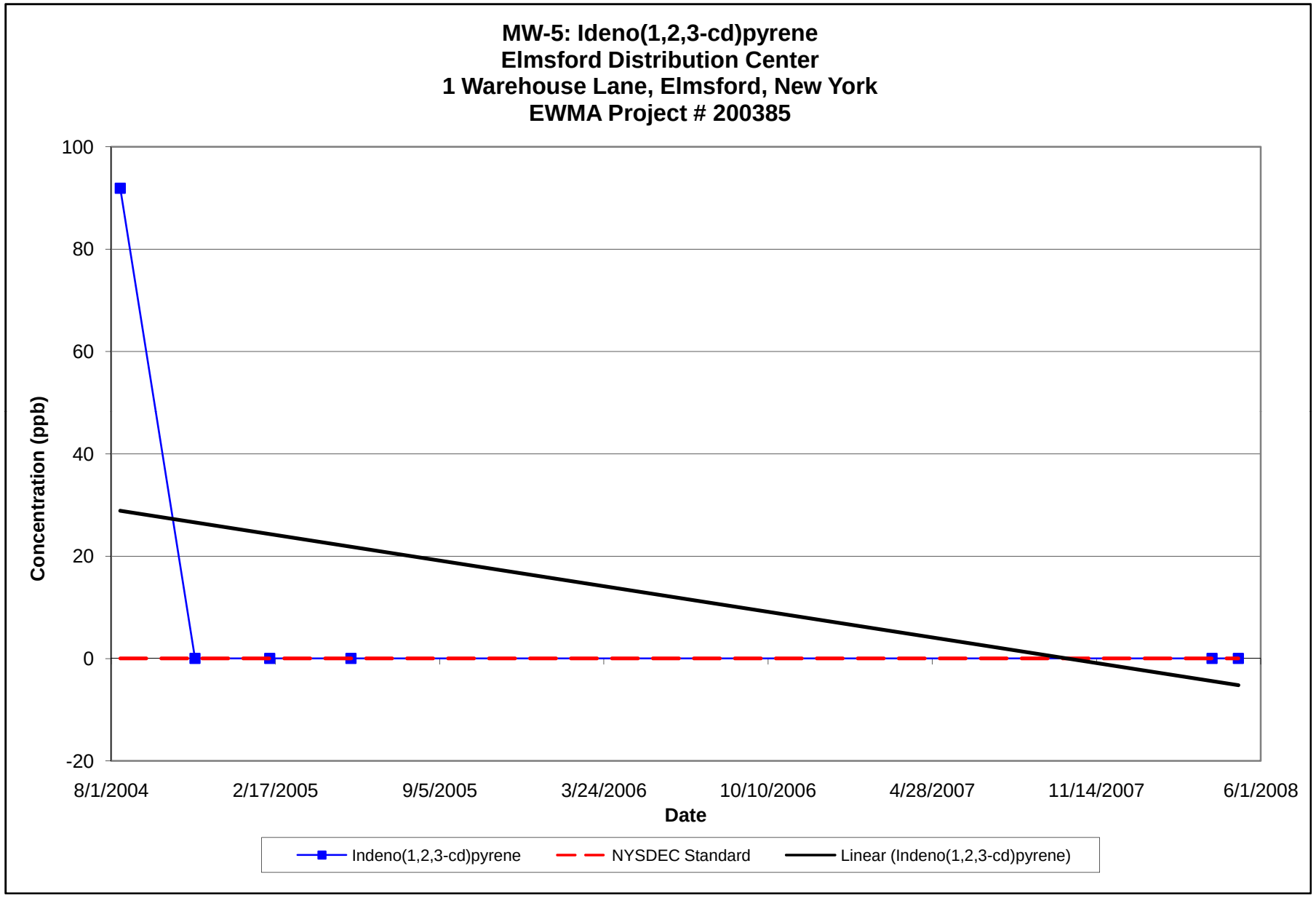

MW-5: Phenanthrene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
100
80
60
40
20
0
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Phenanthrene
NYSDEC Standard
Linear (Phenanthrene)


MW-5: Benzo(a)anthracene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
2.5
2
1.5
1
0.5
0
-0.5
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Benzo(a)anthracene
NYSDEC Standard
Linear (Benzo(a)anthracene)


MW-5: Chrysene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Chrysene
NYSDEC Standard
Linear (Chrysene)


MW-5: Benzo(k)flouranthene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
120
100
80
60
40
20
0
-20
Concentration (ppb)
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Benzo(k)flouranthene
NYSDEC Standard
Linear (Benzo(k)flouranthene)


MW-5: Benzo(a)pyrene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
60
50
40
30
20
10
0
-10
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Benzo(a)pyrene
NYSDEC Standard
Linear (Benzo(a)pyrene)


MW-5: Ideno(1,2,3-cd)pyrene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
100
80
60
40
20
0
-20
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Indeno(1,2,3-cd)pyrene
NYSDEC Standard
Linear (Indeno(1,2,3-cd)pyrene)

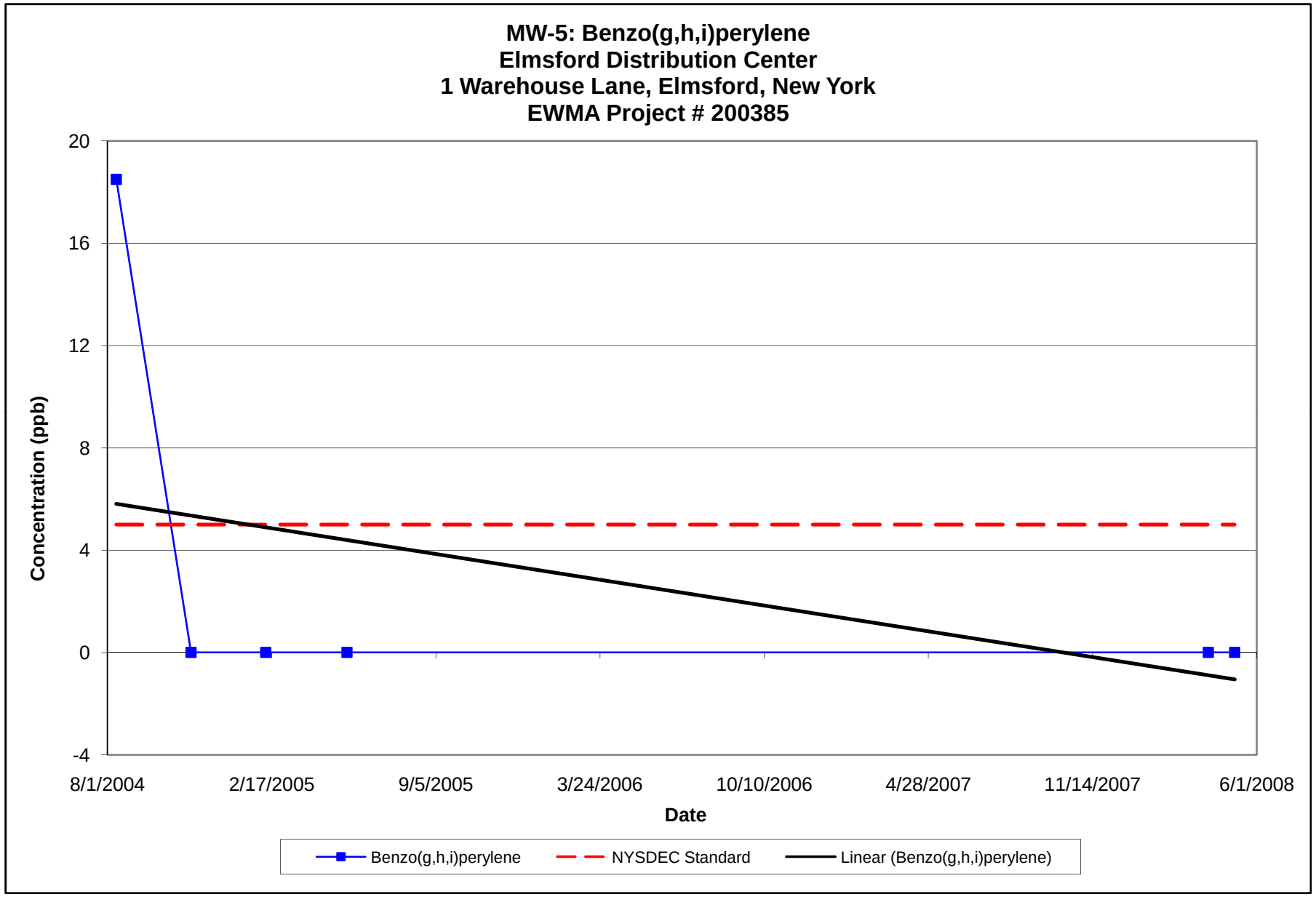

MW-5: Benzo(g,h,i)perylene
Elmsford Distribution Center
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385
Concentration (ppb)
20
16
12
8
4
0
-4
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
Date
Benzo(g,h,i)perylene
NYSDEC Standard
Linear (Benzo(g,h,i)perylene)

TABLE 3
Historical Soil Sampling Results
AOC 2 - 275 Gallon Waste Oil UST - East of Building
1 Warehouse Lane, Elmsford, New York
EWMA Project # 200385

Client ID:		**NYSDEC**	**AOC2-EX-1**		**AOC2-EX-2**		**AOC2-EX-3**	
Sample Depth:	**NYSDEC**	**Remedial**	**11.0 - 11.5'**		**11.0-11.5'**		**11.0-11.5'**	
Lab ID:	**RSCO**	**Program**	**7088-001**		**7088-002**		**7088-003**	
Date Sampled:		**Commercial**	**10/08/2001**		**10/08/2001**		**10/08/2001**	
Matrix:		**SCO**	**Soil**		**Soil**		**Soil**	
Volatiles - Stars List 8021 (ppm)			Conc	MDL	Conc	MDL	Conc	MDL
Methyl-t-Butyl Ether(MTBE)	**0.12**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
Benzene	**0.06**	**44**	ND	0.00565	ND	0.0057	ND	0.0059
Toluene	**1.5**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
Ethylbenzene	**5.5**	**390**	ND	0.00565	ND	0.0057	ND	0.0059
Total Xylenes	**1.2**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
Isopropylbenzene	**2.3**	**NS**	ND	0.00565	ND	0.0057	ND	0.0059
n-Propylbenzene	**3.7**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
1,3,5-Trimethylbenzene	**3.3**	**190**	ND	0.00565	ND	0.0057	ND	0.0059
tert-Butylbenzene	**10**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
1,2,4-Trimethylbenzene	**10**	**190**	ND	0.00565	ND	0.0057	ND	0.0059
sec-Butylbenzene	**10**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
4-Isopropyltoluene	**10**	**NS**	ND	0.00565	ND	0.0057	ND	0.0059
n-Butylbenzene	**10**	**NS**	ND	0.00565	ND	0.0057	ND	0.0059
Naphthalene	**13**	**500**	ND	0.00565	ND	0.0057	ND	0.0059
TOTAL VO's:	**NS**	**NS**	ND		ND		ND	
TOTAL TIC's:	**NS**	**NS**	ND		ND		ND	
TOTAL VO's & TIC's:	**NS**	**NS**	ND		ND		ND	
Semivolatiles - Stars List 8027 BN (ppm)								
Acenaphthene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Fluorene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Phenanthrene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Anthracene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Fluoranthene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Pyrene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
Benzo[a]anthracene	**0.224 or MDL**	**5.6**	ND	0.104	ND	0.113	ND	0.111
Chrysene	**0.4**	**56**	ND	0.104	ND	0.113	ND	0.111
Benzo[b]fluoranthene	**1.1**	**5.6**	ND	0.104	ND	0.113	ND	0.111
Benzo[k]fluoranthene	**1.1**	**56**	ND	0.104	ND	0.113	ND	0.111
Benzo[a]pyrene	**0.061 or MDL**	**1**	ND	0.104	ND	0.113	ND	0.111
Indeno[1,2,3-cd]pyrene	**3.2**	**5.6**	ND	0.104	ND	0.113	ND	0.111
Dibenz[a,h]anthracene	**0.0143 or MDL**	**0.56**	ND	0.104	ND	0.113	ND	0.111
Benzo[g,h,i]perylene	**50**	**500**	ND	0.104	ND	0.113	ND	0.111
TOTAL BN's:	**NS**	**NS**	ND		ND		ND	
Metals (ppm)								
Antimony	**SB**	**NS**	ND	1.12	ND	1.14	ND	1.18
Arsenic	**7.5 or SB**	**16**	ND	1.12	ND	1.14	ND	1.18
Beryllium	**0.16**	**590**	**1.62**	0.561	**2.44**	0.570	**2.45**	0.592
Cadmium	**1 or SB**	**9.3**	0.359	0.280	0.629	0.285	0.625	0.296
Chromium	**10 or SB**	**400***	**24.8**	2.24	**25.6**	2.28	**25.7**	2.37
Copper	**25 or SB**	**270**	**26.6**	2.24	24.3	2.28	**33.5**	2.37
Lead	**SB**	**1000**	30.9	0.561	37.5	0.570	27.8	0.592
Mercury	**0.1**	**2.8**	ND	0.014	ND	0.0142	ND	0.0147
Nickel	**13 or SB**	**310**	**13.9**	1.12	**17.7**	1.14	**14.6**	1.18
Selenium	**2 or SB**	**1500**	ND	2.24	ND	2.28	ND	2.37
Silver	**SB**	**1500**	ND	0.561	ND	0.570	ND	0.592
Thallium	**SB**	**NS**	0.310	0.112	0.355	0.114	0.334	0.118
Zinc	**20 or SB**	**10000**	**122**	2.24	**229**	2.28	**203**	2.37
General Analytical								
Total Petroleum Hydrocarbons (ppm)	**NS**		180	25.0	136	25.0	ND	25.0

VOLUNTARY CLEANUP PROGRAM GROUND WATER – REMEDIAL INVESTIGATION REPORT

Property Known As:

1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
EWMA Job #200385
March 2011

APPNDIX III

MW-6 Monitoring Well Construction Log & Survey Information

Environmental Waste Management Associates, LLC
PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax:(973) 560-0400

EWMA Job #:	200385
Well #:	MW-6
Start Date:	03/17/08

Site: 3 Warehouse Lane	**Well Permit #:**
	Completion Date: 03/17/08
Geologist: Kimberly Hicks	**Drilling Co.:** Summit Drilling
Driller/Helper: Jeff Segreaves	**Drill Rig:** B-61
Drilling Method: Hollow Stem	**Type of Bit:**

WELL LOCATION SKETCH (N.T.S)

Sampler Type: Spilt Spoon			**Solid Riser:** 4'	
G.W. Encountered:	**G.W. Stabilized:**	**Well Depth:** 27'	**Screen Interval/Screen Type:** 23'	
Depth to Rim:	**Borehole Diameter:** 10"	**Well Diameter:** 4"	**Grout:**	**Sand Pack/Open Borehole:**

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)	WELL CONSTRUCTION DIAGRAM (N.T.S)
1–24						0-15' Brown fine to coarse sands, gravel 15-20' Same as above 20-27' Brown fine to coarse sand, silty sand, gravel to bedrock	1–24	

Environmental Waste Management Associates, LLC
PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax:(973) 560-0400

EWMA Job #: 200385
Well #: MW-6
Start Date: 03/17/08

Site: 3 Warehouse Lane
Well Permit #:
Completion Date: 03/17/08
Geologist: Kimberly Hicks
Drilling Co.: Summit Drilling
Driller/Helper: Jeff Segreaves
Drill Rig: B-61
Drilling Method: Hollow Stem
Type of Bit:

WELL LOCATION SKETCH (N.T.S)

Sampler Type: Spilt Spoon
Solid Riser: 4'
G.W. Encountered:
G.W. Stabilized:
Well Depth: 27'
Screen Interval/Screen Type: 23'
Depth to Rim:
Borehole Diameter: 10"
Well Diameter: 4"
Grout:
Sand Pack/Open Borehole:

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)	WELL CONSTRUCTION DIAGRAM (N.T.S)
26							26	
27						Set well at 27'	27	
28							28	
29							29	
30							30	
31							31	
32							32	
33							33	
34							34	
35							35	
36							36	
37							37	
38							38	
39							39	
40							40	
41							41	
42							42	
43							43	
44							44	
45							45	
46							46	
47							47	
48							48	
49							49	

VOLUNTARY CLEANUP PROGRAM GROUND WATER – REMEDIAL INVESTIGATION REPORT

Property Known As:

1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
EWMA Job #200385
March 2011

APPENDIX IV

April 2006 Ground Water Sampling Laboratory Analytical Report

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **1 WAREHOUSE**
IAL Case Number: **E08-03767**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E08-03767

Client EWMA - HQ

Project 1 WAREHOUSE

Received On 4/ 4/2008@18:00

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
03767-001	MW-6	n/a	4/ 3/2008@11:11	Aqueous	5
03767-002	MW-5	n/a	4/ 3/2008@13:56	Aqueous	4
03767-003	MW-4	n/a	4/ 3/2008@12:26	Aqueous	5
03767-004	MW-3	n/a	4/ 3/2008@13:26	Aqueous	5
03767-005	MW-2	n/a	4/ 3/2008@15:21	Aqueous	4
03767-006	MW-1	n/a	4/ 3/2008@14:46	Aqueous	3
03767-007	FIELD BLANK	n/a	4/ 3/2008@12:00	Aqueous	5
03767-008	TRIP BLANK	n/a	4/ 3/2008	Aqueous	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

	Page
Qualifiers	1
Conformance / NonConformance Summary	2
Laboratory Deliverables Check List	3
GC/MS NonConformance Summary	4
Metal NonConformance Summary	5
Summary Report	6
Analytical Results	
Volatiles	9
Semivolatiles	17
Metals	23
Methodology Summary *	
Quality Control	
Volatiles	25
Tuning Results Summary	
Method Blank Results Summary	
Calibration Summary	
Surrogate Compound Recovery Results Summary	
Matrix Spike/Matrix Spike Duplicate Results Summary	
Internal Standard Summary	
Chromatograms	
Semivolatiles	155
Tuning Results Summary	
Method Blank Results Summary	
Calibration Summary	
Surrogate Compound Recovery Results Summary	
Matrix Spike/Matrix Spike Duplicate Results Summary	
Internal Standard Summary	
Chromatograms	
Metals	320
Method Blank Results Summary	
Calibration Summary	
Spike Sample Results Summary	
Duplicate Sample Results Summary	
Sample Tracking	
Chains of Custody	383
Laboratory Chronicle	387

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received eight (8) aqueous sample(s) from Environmental Waste Management Associates, LLC. (Project: 1 WAREHOUSE) on April 4, 2008 for the analysis of:

(8) Stars VO List
(6) Stars BN List
(4) Metal - Arsenic
(5) Metal - Lead

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

4/21/08
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E08-03767

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

Jacqueline J. Beyer
QC Reviewed by

4/21/08
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E08 - 3767

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

4/9/20
Date

rev 01/08

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E08 - 3767

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction b. Acid Fraction	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction b. Acid Fraction		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction b. Acid Fraction		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

4/22/08
Date

rev 01/08

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E08-03767

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

03767-001: Trace, 03767-003: Trace, 03767-004: 0.2%, 03767-006: 0.2%

H. Falek-Nguyen
Inorganic Manager

April 8, 2008
Date

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 1 WAREHOUSE
Lab Case No.: E08-03767

	Lab ID:	03767-001		03767-002		03767-003		03767-004	
	Client ID:	MW-6		MW-5		MW-4		MW-3	
	Matrix:	Aqueous		Aqueous		Aqueous		Aqueous	
	Sampled Date	4/3/08		4/3/08		4/3/08		4/3/08	
PARAMETER(Units)		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
Volatiles - Stars list (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*	
Methyl tert-butyl ether (MTBE)		ND	0.250	7.00	0.250	ND	0.250	5.54	0.250
Benzene		ND	0.280	0.551	0.280	1.71	0.280	54.3	0.280
Toluene		ND	0.220	ND	0.220	0.334	0.220	7.43	0.220
Ethylbenzene		ND	0.230	ND	0.230	ND	0.230	22.0	0.230
Total Xylenes		ND	0.850	1.08	0.850	ND	0.850	21.4	0.850
Isopropylbenzene		ND	0.200	0.431	0.200	5.39	0.200	35.9	0.200
n-Propylbenzene		ND	0.210	ND	0.210	6.34	0.210	49.9	0.210
1,3,5-Trimethylbenzene		ND	0.230	0.397	0.230	ND	0.230	1.86	0.230
tert-Butylbenzene		ND	0.310	ND	0.310	ND	0.310	ND	0.310
1,2,4-Trimethylbenzene		ND	0.210	0.772	0.210	ND	0.210	1.78	0.210
sec-Butylbenzene		ND	0.210	ND	0.210	1.43	0.210	5.04	0.210
4-Isopropyltoluene		ND	0.190	ND	0.190	ND	0.190	0.590	0.190
n-Butylbenzene		ND	0.240	ND	0.240	1.14	0.240	6.99	0.240
Naphthalene		ND	0.370	27.5	0.370	1.18	0.370	14.5	0.370
Semivolatiles - Stars list (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*	
Acenaphthene		ND	0.206	44.8	0.206	3.41	0.206	72.4	0.206
Fluorene		ND	0.188	19.3	0.188	2.27	0.188	30.1	0.188
Phenanthrene		ND	0.200	23.2	0.200	0.617	0.200	34.9	0.200
Anthracene		ND	0.091	1.83	0.091	ND	0.091	0.925	0.091
Fluoranthene		ND	0.222	4.47	0.222	ND	0.222	3.56	0.222
Pyrene		ND	0.176	2.34	0.176	ND	0.176	1.59	0.176
Benzo[a]anthracene		ND	0.300	0.331	0.300	ND	0.300	ND	0.300
Chrysene		ND	0.117	ND	0.117	ND	0.117	ND	0.117
Benzo[b]fluoranthene		ND	0.250	ND	0.250	ND	0.250	ND	0.250
Benzo[k]fluoranthene		ND	0.380	ND	0.380	ND	0.380	ND	0.380
Benzo[a]pyrene		ND	0.250	ND	0.250	ND	0.250	ND	0.250
Indeno[1,2,3-cd]pyrene		ND	0.190	ND	0.190	ND	0.190	ND	0.190
Dibenz[a,h]anthracene		ND	0.290	ND	0.290	ND	0.290	ND	0.290
Benzo[g,h,i]perylene		ND	0.215	ND	0.215	ND	0.215	ND	0.215
Metals (Units)		*(ug/L-ppb)*				*(ug/L-ppb)*		*(ug/L-ppb)*	
Arsenic		2.49	2.00	~	~	3.52	2.00	~	~
Lead		ND	2.00	~	~	9.52	2.00	14.5	2.00

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 1 WAREHOUSE
Lab Case No.: E08-03767

	Lab ID:	03767-005		03767-006		03767-007		03767-008	
	Client ID:	MW-2		MW-1		FIELD BLANK		TRIP BLANK	
	Matrix:	Aqueous		Aqueous		Aqueous		Aqueous	
	Sampled Date	4/3/08		4/3/08		4/3/08		4/3/08	
PARAMETER(Units)		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
Volatiles - Stars list (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*	
Methyl tert-butyl ether (MTBE)		9.52	0.250	ND	0.250	ND	0.250	ND	0.250
Benzene		3.97	0.280	ND	0.280	ND	0.280	ND	0.280
Toluene		0.634	0.220	ND	0.220	ND	0.220	ND	0.220
Ethylbenzene		3.19	0.230	ND	0.230	ND	0.230	ND	0.230
Total Xylenes		6.84	0.850	ND	0.850	ND	0.850	ND	0.850
Isopropylbenzene		0.918	0.200	ND	0.200	ND	0.200	ND	0.200
n-Propylbenzene		ND	0.210	ND	0.210	ND	0.210	ND	0.210
1,3,5-Trimethylbenzene		1.41	0.230	ND	0.230	ND	0.230	ND	0.230
tert-Butylbenzene		ND	0.310	ND	0.310	ND	0.310	ND	0.310
1,2,4-Trimethylbenzene		3.36	0.210	ND	0.210	ND	0.210	ND	0.210
sec-Butylbenzene		ND	0.210	ND	0.210	ND	0.210	ND	0.210
4-Isopropyltoluene		ND	0.190	ND	0.190	ND	0.190	ND	0.190
n-Butylbenzene		ND	0.240	ND	0.240	ND	0.240	ND	0.240
Naphthalene		178	0.370	2.08	0.370	ND	0.370	ND	0.370
Semivolatiles - Stars list (Units)		*(ug/L-ppb)*				*(ug/L-ppb)*			
Acenaphthene		42.6	0.206	~	~	ND	0.206	~	~
Fluorene		14.7	0.188	~	~	ND	0.188	~	~
Phenanthrene		7.27	0.200	~	~	ND	0.200	~	~
Anthracene		0.409	0.091	~	~	ND	0.091	~	~
Fluoranthene		ND	0.222	~	~	ND	0.222	~	~
Pyrene		ND	0.176	~	~	ND	0.176	~	~
Benzo[a]anthracene		ND	0.300	~	~	ND	0.300	~	~
Chrysene		ND	0.117	~	~	ND	0.117	~	~
Benzo[b]fluoranthene		ND	0.250	~	~	ND	0.250	~	~
Benzo[k]fluoranthene		ND	0.380	~	~	ND	0.380	~	~
Benzo[a]pyrene		ND	0.250	~	~	ND	0.250	~	~
Indeno[1,2,3-cd]pyrene		ND	0.190	~	~	ND	0.190	~	~
Dibenz[a,h]anthracene		ND	0.290	~	~	ND	0.290	~	~
Benzo[g,h,i]perylene		ND	0.215	~	~	ND	0.215	~	~
Metals (Units)				*(ug/L-ppb)*		*(ug/L-ppb)*			
Arsenic		~	~	3.30	2.00	ND	2.00	~	~
Lead		~	~	4.07	2.00	ND	2.00	~	~

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-001
Client ID: MW-6
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4440.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-002
Client ID: MW-5
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4441.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	7.00		0.250
Benzene	0.551		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	1.08		0.850
Isopropylbenzene	0.431		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	0.397		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	0.772		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	27.5		0.370

Total Target Compounds: 37.7

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-003
Client ID: MW-4
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4442.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	1.71		0.280
Toluene	0.334		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	5.39		0.200
n-Propylbenzene	6.34		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	1.43		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	1.14		0.240
Naphthalene	1.18		0.370

Total Target Compounds: 17.5

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-004
Client ID: MW-3
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4443.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	5.54		0.250
Benzene	54.3		0.280
Toluene	7.43		0.220
Ethylbenzene	22.0		0.230
Total Xylenes	21.4		0.850
Isopropylbenzene	35.9		0.200
n-Propylbenzene	49.9		0.210
1,3,5-Trimethylbenzene	1.86		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	1.78		0.210
sec-Butylbenzene	5.04		0.210
4-Isopropyltoluene	0.590		0.190
n-Butylbenzene	6.99		0.240
Naphthalene	14.5		0.370

Total Target Compounds: 227

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-005
Client ID: MW-2
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4444.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	9.52		0.250
Benzene	3.97		0.280
Toluene	0.634		0.220
Ethylbenzene	3.19		0.230
Total Xylenes	6.84		0.850
Isopropylbenzene	0.918		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	1.41		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	3.36		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	178		0.370

Total Target Compounds: 208

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-006
Client ID: MW-1
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4445.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	2.08		0.370

Total Target Compounds: 2.08

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-007
Client ID: FIELD_BLANK
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4446.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-008
Client ID: TRIP_BLANK
Date Received: 04/04/2008
Date Analyzed: 04/08/2008
Data file: J4447.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-001
Client ID: MW-6
Date Received: 04/04/2008
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6597.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	ND		0.206
Fluorene	ND		0.188
Phenanthrene	ND		0.200
Anthracene	ND		0.091
Fluoranthene	ND		0.222
Pyrene	ND		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-002
Client ID: MW-5
Date Received: 04/04/2008
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6598.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	44.8		0.206
Fluorene	19.3		0.188
Phenanthrene	23.2		0.200
Anthracene	1.83		0.091
Fluoranthene	4.47		0.222
Pyrene	2.34		0.176
Benzo[a]anthracene	0.331		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 96.3

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-003
Client ID: MW-4
Date Received: 04/04/2008
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6599.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	3.41		0.206
Fluorene	2.27		0.188
Phenanthrene	0.617		0.200
Anthracene	ND		0.091
Fluoranthene	ND		0.222
Pyrene	ND		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 6.30

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-004
Client ID: MW-3
Date Received: 04/04/2008
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6600.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	72.4		0.206
Fluorene	30.1		0.188
Phenanthrene	34.9		0.200
Anthracene	0.925		0.091
Fluoranthene	3.56		0.222
Pyrene	1.59		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 143

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-005
Client ID: MW-2
Date Received: 04/04/2008
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6601.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	42.6		0.206
Fluorene	14.7		0.188
Phenanthrene	7.27		0.200
Anthracene	0.409		0.091
Fluoranthene	ND		0.222
Pyrene	ND		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 65.0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/1 WAREHOUSE

Lab ID: 03767-007
Client ID: FIELD_BLANK
Date Received: 04/04/2008
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6602.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	ND		0.206
Fluorene	ND		0.188
Phenanthrene	ND		0.200
Anthracene	ND		0.091
Fluoranthene	ND		0.222
Pyrene	ND		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Arsenic

Client/Project: EWMA/1 WAREHOUSE

Batch #: 157
Date Received: 04/04/08 18:00
Method: 6020

Lab ID	Client ID	Result	Q	DF	Matrix	MDL	% Moist	Date Analyzed
03767-001	MW-6	2.49		1	Aqueous-ug/L	2.00	100	04/07/08
03767-003	MW-4	3.52		1	Aqueous-ug/L	2.00	100	04/07/08
03767-006	MW-1	3.30		1	Aqueous-ug/L	2.00	100	04/07/08
03767-007	FIELD BLANK	ND		1	Aqueous-ug/L	2.00	100	04/07/08

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Lead

Client/Project: EWMA/1 WAREHOUSE

Batch #: 157
Date Received: 04/04/08 18:00
Method: 6020

Lab ID	Client ID	Result	Q	DF	Matrix	MDL	% Moist	Date Analyzed
03767-001	MW-6	ND		1	Aqueous-ug/L	2.00	100	04/07/08
03767-003	MW-4	9.52		1	Aqueous-ug/L	2.00	100	04/07/08
03767-004	MW-3	14.5		1	Aqueous-ug/L	2.00	100	04/07/08
03767-006	MW-1	4.07		1	Aqueous-ug/L	2.00	100	04/07/08
03767-007	FIELD BLANK	ND		1	Aqueous-ug/L	2.00	100	04/07/08

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J4337.D BFB Injection Date: 04/03/2008

Inst ID: MSD_J BFB Injection Time: 10:26

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.2			
75	30.0 - 60.0% of mass 95	49.5			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.6			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	92.2			
175	5.0 - 9.0% of mass 174	7.3	(	7.9	)1
176	95.0 - 101.0% of mass 174	89.2	(	96.8	)1
177	5.0 - 9.0% of mass 176	5.9	(	6.6	)2

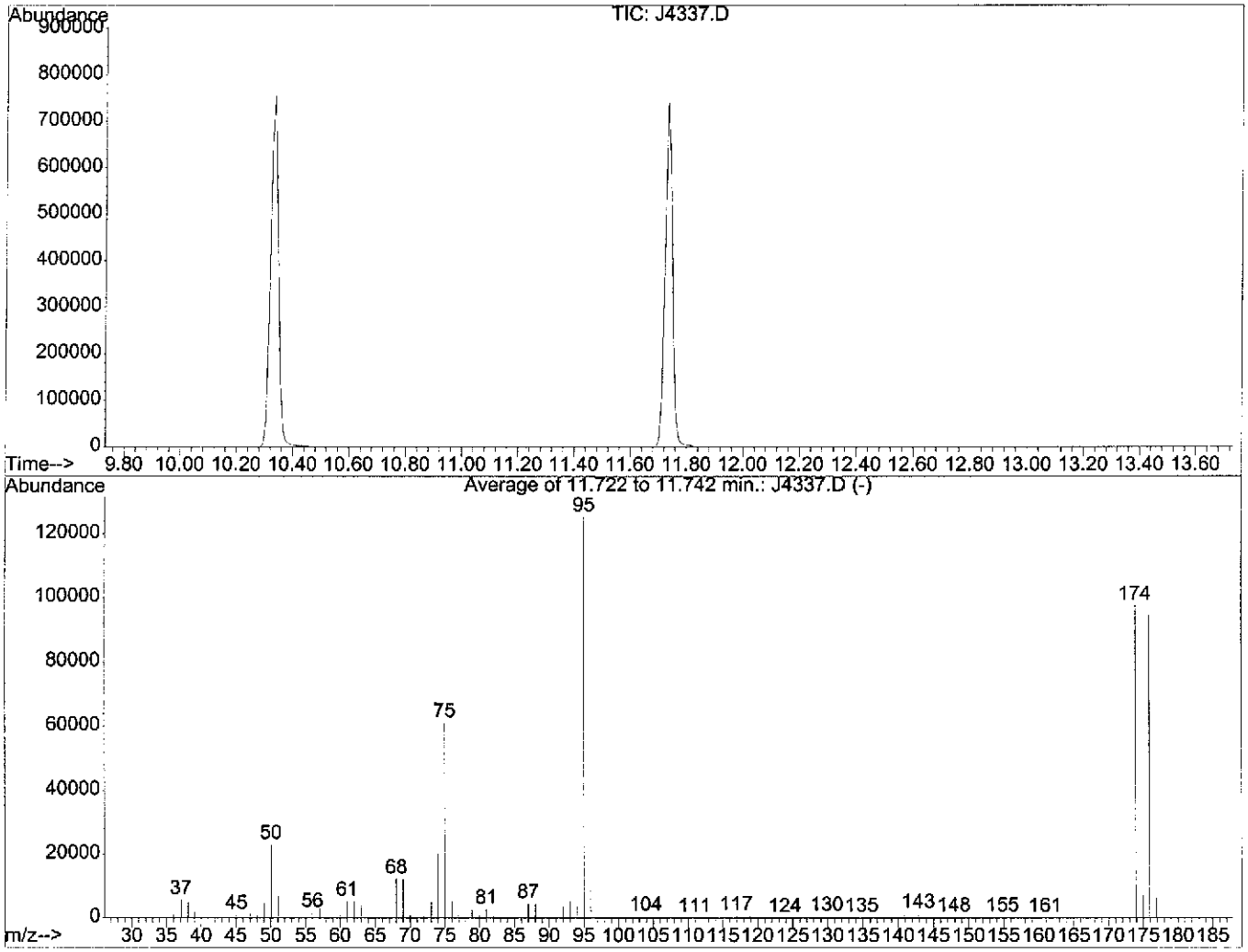
1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
20PPB	STD-20PPB	J4340.D	04/03/2008	11:45
100PPB	STD-100PPB	J4342.D	04/03/2008	12:37
150PPB	STD-150PPB	J4343.D	04/03/2008	1:04
200PPB	STD-200PPB	J4344.D	04/03/2008	1:31
5PPB	STD-5PPB	J4346.D	04/03/2008	2:24
1PPB	STD-1PPB	J4347.D	04/03/2008	2:51

BFB

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4337.D Vial: 3
Acq On : 3 Apr 2008 10:26 am Operator: BINXU
Sample : BFB-TUNNING Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B



AutoFind: Scans 1002, 1003, 1004; Background Corrected with Scan 996

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	23093	PASS
75	95	30	60	48.8	61157	PASS
95	95	100	100	100.0	125418	PASS
96	95	5	9	6.9	8627	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.8	97546	PASS
175	174	5	9	7.3	7126	PASS
176	174	95	101	97.0	94621	PASS
177	176	5	9	6.6	6244	PASS

Average of 11.722 to 11.742 min.: J4337.D
BFB-TUNNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	998	51.10	7147	65.10	300	77.95	381
37.10	5678	52.00	328	67.00	250	78.90	2671
38.10	5020	55.05	271	68.00	12235	79.95	819
39.05	2031	56.00	1569	69.00	12215	80.95	2728
40.00	153	57.05	3076	70.00	969	81.95	558
44.05	496	58.05	151	72.00	607	86.00	61
45.05	1000	60.00	1033	73.00	5127	87.00	4469
47.05	1445	61.00	5202	74.00	20111	88.00	4352
48.05	681	62.00	5109	75.00	61157	90.90	419
49.05	4695	63.05	4045	76.00	5365	92.00	3537
50.05	23093	64.05	431	76.95	880	93.00	5197

Average of 11.722 to 11.742 min.: J4337.D
BFB-TUNNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	14485	115.95	452	139.80	38	154.85	315
95.00	125418	116.95	726	140.90	1389	156.00	128
96.00	8627	117.95	424	141.85	167	157.00	241
97.05	307	118.90	686	142.90	1409	157.95	110
103.95	470	123.90	37	144.00	37	158.70	62
104.85	166	127.90	437	144.85	198	159.00	143
105.95	465	128.95	238	145.95	179	160.95	107
106.90	47	129.90	496	147.90	315	171.85	466
111.00	43	130.85	196	149.90	109	172.10	107
112.90	45	134.85	229	152.90	42	173.90	97546
114.95	104	136.85	214	154.10	49	174.95	7126

Average of 11.722 to 11.742 min.: J4337.D
BFB-TUNNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.90	94621						
176.90	6244						
177.90	150						

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J4428.D

BFB Injection Date: 04/08/2008

Inst ID: MSD_J

BFB Injection Time: 10:50

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	17.5			
75	30.0 - 60.0% of mass 95	47.5			
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	Great than 50.0% of mass 95	82.2			
175	5.0 - 9.0% of mass 174	5.9	(	7.2	)1
176	95.0 - 101.0% of mass 174	79.7	(	97.0	)1
177	5.0 - 9.0% of mass 176	5.3	(	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 ID	File ID	Date Analyzed	Time Analyzed
100PPB	STD-100PPB	J4429.D	04/08/2008	11:16
NA	METHOD-BLK	J4432.D	04/08/2008	12:50
EFFLUENT	03626-002	J4433.D	04/08/2008	1:16
INFLUENT	03626-001	J4434.D	04/08/2008	1:43
LCS-50PPB	BLK-SPK	J4435.D	04/08/2008	2:10
DUP032808	03500-003	J4436.D	04/08/2008	2:36
MW-6	03500-001	J4437.D	04/08/2008	3:02
MS	WATER-MS	J4438.D	04/08/2008	3:28
MSD	WATER-MSD	J4439.D	04/08/2008	3:54
MW-6	03767-001	J4440.D	04/08/2008	4:20
MW-5	03767-002	J4441.D	04/08/2008	4:46
MW-4	03767-003	J4442.D	04/08/2008	5:12
MW-3	03767-004	J4443.D	04/08/2008	5:39
MW-2	03767-005	J4444.D	04/08/2008	6:04
MW-1	03767-006	J4445.D	04/08/2008	6:31
FIELD_BLANK	03767-007	J4446.D	04/08/2008	6:58
TRIP_BLANK	03767-008	J4447.D	04/08/2008	7:25
BLDG_710	03530-001	J4448.D	04/08/2008	7:52
DUP033108	03498-004	J4449.D	04/08/2008	8:18
MW-14	03498-005	J4450.D	04/08/2008	8:45

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J4428.D BFB Injection Date : 04/08/200

Inst ID: MSD_J BFB Injection Time: 10:50

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	17.5			
75	30.0 - 60.0% of mass 95	47.5			
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	Great than 50.0% of mass 95	82.2			
175	5.0 - 9.0% of mass 174	5.9	(	7.2	)1
176	95.0 - 101.0% of mass 174	79.7	(	97.0	)1
177	5.0 - 9.0% of mass 176	5.3	(	6.6	)2
	1-Value is % mass 174	2-Value is % mass 176			

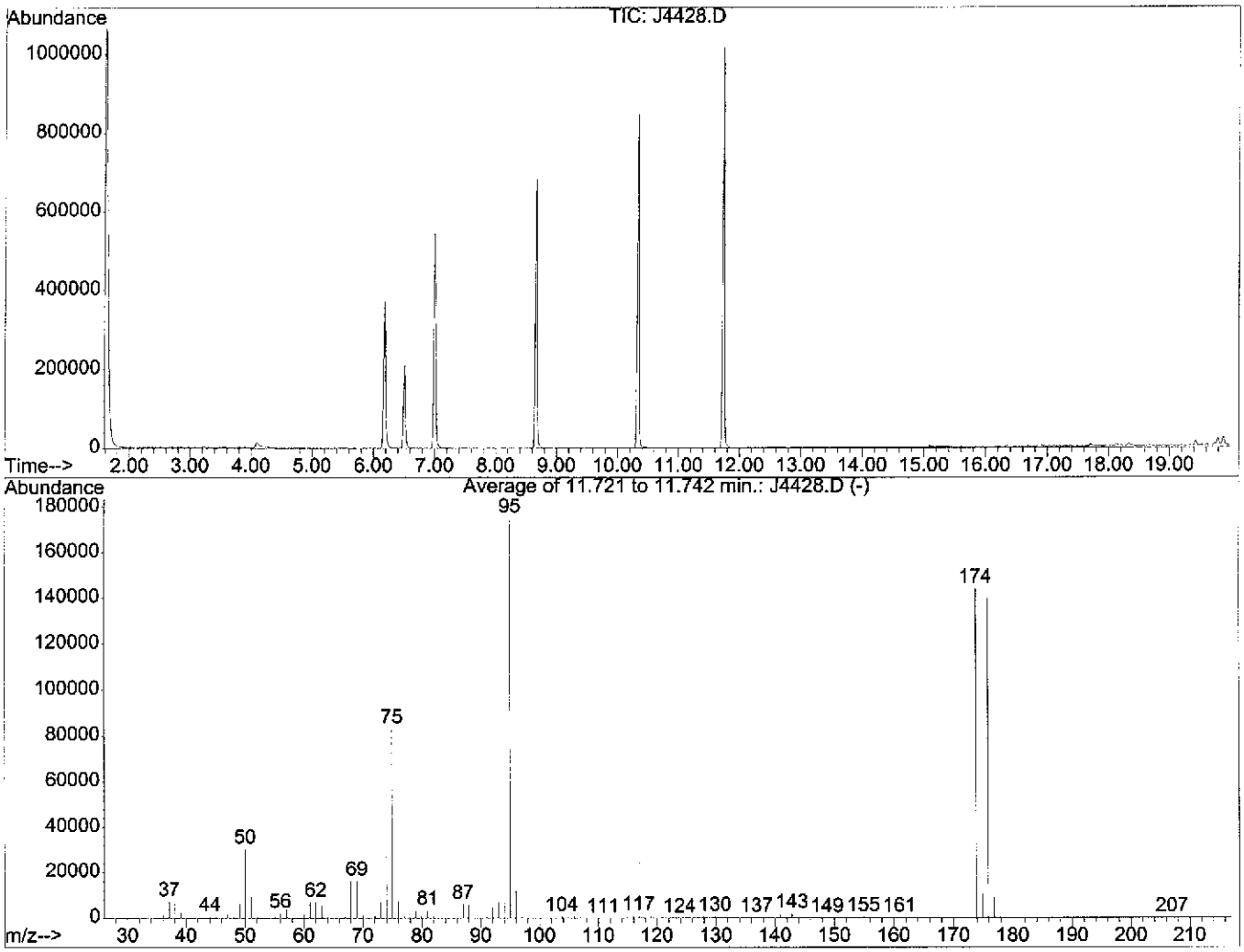
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
MW-11	03498-006	J4451.D	04/08/2008	9:12

BFB

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4428.D
Acq On : 8 Apr 2008 10:50 am
Sample : BFB-TUNNING
Misc :
MS Integration Params: LSCINT.P
Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B

Vial: 2
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00



Spectrum Information: Average of 11.721 to 11.742 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	30560	PASS
75	95	30	60	47.5	83168	PASS
95	95	100	100	100.0	175125	PASS
96	95	5	9	6.8	11949	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.2	143992	PASS
175	174	5	9	7.2	10339	PASS
176	174	95	101	97.0	139720	PASS
177	176	5	9	6.6	9189	PASS

Average of 11.721 to 11.742 min.: J4428.D
BFB-TUNNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1302	49.05	6439	63.05	5265	76.00	7327
37.10	7285	50.05	30560	64.05	506	77.00	900
38.10	6649	51.05	9353	65.05	95	77.95	543
39.10	2501	52.10	400	67.00	400	78.90	3188
40.00	91	55.05	343	68.00	16225	79.90	880
44.10	715	56.00	2127	69.00	16338	80.95	3412
45.05	1313	57.05	4073	70.00	1193	81.95	633
46.10	40	58.05	171	72.05	802	86.05	124
47.05	1702	60.00	1374	73.00	6927	87.00	5957
47.90	270	61.00	6852	74.00	27378	87.95	5829
48.05	563	62.00	7012	75.00	83168	90.95	515

Average of 11.721 to 11.742 min.: J4428.D
BFB-TUNNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	4710	110.80	42	129.90	707	146.95	101
93.00	7103	111.00	42	130.90	261	147.85	403
94.00	19530	112.90	83	134.85	289	148.80	37
95.00	175125	114.90	190	136.95	246	149.95	187
96.00	11949	115.95	525	139.95	85	152.00	37
97.00	352	116.90	991	140.90	1711	152.90	97
102.90	45	117.95	542	141.85	237	153.90	41
103.85	657	118.95	829	142.90	1867	154.95	410
104.85	252	123.90	37	143.90	131	156.95	317
105.95	644	127.90	648	145.05	121	159.00	203
106.90	152	128.90	324	145.90	284	160.95	239

Average of 11.721 to 11.742 min.: J4428.D
BFB-TUNNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.95	151						
172.20	86						
173.90	143992						
174.95	10339						
175.90	139720						
176.90	9189						
177.95	280						
207.00	37						

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J4432.D Instrument ID: MSD_J

Date Analyzed: 04/08/2008 Time Analyzed: 12:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
EFFLUENT	03626-002	04/08/2008	1:16
INFLUENT	03626-001	04/08/2008	1:43
LCS-50PPB	BLK-SPK	04/08/2008	2:10
DUP032808	03500-003	04/08/2008	2:36
MW-6	03500-001	04/08/2008	3:02
MS	WATER-MS	04/08/2008	3:28
MSD	WATER-MSD	04/08/2008	3:54
MW-6	03767-001	04/08/2008	4:20
MW-5	03767-002	04/08/2008	4:46
MW-4	03767-003	04/08/2008	5:12
MW-3	03767-004	04/08/2008	5:39
MW-2	03767-005	04/08/2008	6:04
MW-1	03767-006	04/08/2008	6:31
FIELD_BLANK	03767-007	04/08/2008	6:58
TRIP_BLANK	03767-008	04/08/2008	7:25
BLDG_710	03530-001	04/08/2008	7:52
DUP033108	03498-004	04/08/2008	8:18
MW-14	03498-005	04/08/2008	8:45
MW-11	03498-006	04/08/2008	9:12

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 04/08/2008
Data file: J4432.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

Response Factor Report MSD_J

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:50:46 2008
Response via : Initial Calibration

Calibration Files
5 =J4346.D 100 =J4342.D 20 =J4340.D
150 =J4343.D 200 =J4344.D 1 =J4347.D

		Compound (ppb)	5	100	20	150	200	1	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluoromet	0.591	0.536	0.646	0.642	0.559	0.654	0.605	8.30
3)	P	Chloromethane	0.735	0.690	0.832	0.797	0.683	0.851	0.765	9.44
4)	C	Vinyl chloride	0.638	0.574	0.692	0.661	0.597	0.636	0.633	6.74
5)	T	Bromomethane	0.446	0.349	0.463	0.392	0.345	0.521	0.419	16.63
6)	T	Chloroethane	0.350	0.310	0.400	0.358	0.302	0.364	0.347	10.49
7)	T	Trichlorofluorometh	0.911	0.724	0.914	0.832	0.660	1.060	0.850	17.00
8)	T	Acrolein	0.085	0.064	0.082	0.071	0.066	0.079	0.075	12.19
9)	MC	1,1-Dichloroethene	0.420	0.433	0.496	0.515	0.435	0.489	0.465	8.56
10)	T	Acetone	0.421	0.191	0.254	0.215	0.191	0.462	0.289	41.82
11)	T	Carbon disulfide	1.633	1.546	1.909	1.810	1.575	1.833	1.718	8.84
12)	T	Vinyl acetate	2.139	1.964	2.143	2.284	2.161	2.042	2.122	5.16
13)	T	Methylene chloride	0.609	0.520	0.685	0.595	0.534	0.710	0.609	12.66
14)	T	Acrylonitrile	0.303	0.229	0.274	0.261	0.242	0.286	0.266	10.43
15)	T	tert-Butyl alcohol	0.066	0.060	0.077	0.074	0.065	0.082	0.071	11.44
16)	T	trans-1,2-Dichloroe	0.685	0.548	0.660	0.642	0.582	0.740	0.643	10.83
17)	T	Methyl tert-butyl e	1.583	1.357	1.470	1.601	1.560	1.503	1.512	6.00
18)	P	1,1-Dichloroethane	1.126	0.956	1.156	1.116	1.062	1.099	1.086	6.51
19)	T	Diisopropyl ether (	1.990	1.827	2.080	2.112	2.011	1.793	1.969	6.67
20)	T	cis-1,2-Dichloroeth	0.674	0.595	0.677	0.694	0.652	0.698	0.665	5.69
21)	T	2,2-Dichloropropane	0.473	0.456	0.468	0.517	0.477	0.447	0.473	5.17
22)	T	2-Butanone (MEK)	0.386	0.298	0.348	0.344	0.338	0.392	0.351	9.75
23)	T	Bromochloromethane	0.384	0.330	0.388	0.384	0.364	0.373	0.370	5.88
25)	C	Chloroform	1.157	0.990	1.200	1.148	1.084	1.150	1.122	6.63
26)	T	1,1,1-Trichloroetha	0.839	0.747	0.886	0.878	0.818	0.853	0.837	6.05
27)	T	Carbon tetrachlorid	0.715	0.700	0.766	0.837	0.787	0.734	0.756	6.71
28)	T	1,1-Dichloropropene	0.779	0.722	0.836	0.848	0.788	0.865	0.806	6.62
29)	T	1,2-Dichloroethane	0.973	0.841	1.018	0.965	0.912	1.028	0.956	7.32
30)	S	1,2-Dichloroethane-	0.612	0.565	0.608	0.540	0.533	0.615	0.579	6.50
31)	I	1,4-Difluorobenzene	----------ISTD----------							
32)	M	Benzene	1.460	1.269	1.495	1.490	1.370	1.466	1.425	6.23
33)	M	Trichloroethene	0.380	0.331	0.373	0.397	0.370	0.388	0.373	6.12
34)	C	1,2-Dichloropropane	0.365	0.321	0.373	0.377	0.349	0.340	0.354	6.03
35)	T	Dibromomethane	0.253	0.212	0.250	0.251	0.234	0.237	0.240	6.44
36)	T	1,4-Dioxane	0.005	0.004	0.004	0.006	0.005	0.004	0.005	9.58
37)	T	Bromodichloromethan	0.456	0.437	0.467	0.527	0.495	0.429	0.469	7.88
38)	T	2-Chloroethyl vinyl	0.112	0.145	0.061	0.186	0.191	0.087	0.130	40.64
39)	T	cis-1,3-Dichloropro	0.468	0.539	0.529	0.650	0.610	0.370	0.528	19.01
40)	T	4-Methyl-2-pentanon	0.368	0.341	0.356	0.418	0.405	0.360	0.375	8.03
41)	S	Toluene-d8	0.919	0.958	0.943	0.974	0.963	0.906	0.944	2.81
42)	MC	Toluene	0.925	0.829	0.946	0.976	0.906	0.978	0.927	5.99
43)	T	trans-1,3-Dichlorop	0.432	0.516	0.494	0.624	0.594	0.336	0.499	21.13
44)	T	1,1,2-Trichloroetha	0.284	0.252	0.284	0.300	0.279	0.282	0.280	5.52
45)	T	Tetrachloroethene	0.402	0.367	0.412	0.439	0.399	0.485	0.417	9.61
46)	T	1,3-Dichloropropane	0.607	0.546	0.615	0.645	0.595	0.593	0.600	5.43
47)	T	2-Hexanone	0.291	0.267	0.275	0.326	0.319	0.265	0.291	9.09
48)	T	Dibromochloromethan	0.314	0.364	0.336	0.451	0.431	0.261	0.360	19.93
49)	T	1,2-Dibromoethane (	0.372	0.343	0.364	0.418	0.394	0.366	0.376	6.94

50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	MP	Chlorobenzene	1.201	0.996	1.153	1.161	1.073	1.288	1.145	8.83
52)	T	1,1,1,2-Tetrachloro	0.383	0.355	0.379	0.428	0.403	0.356	0.384	7.34
53)	C	Ethylbenzene	1.712	1.589	1.771	1.869	1.737	1.738	1.736	5.21
54)	T	m,p-Xylene	0.723	0.640	0.739	0.738	0.673	0.681	0.699	5.81
55)	T	o-Xylene	0.662	0.646	0.712	0.752	0.694	0.602	0.678	7.79
56)	T	Styrene	1.134	1.135	1.238	1.326	1.213	0.955	1.167	10.80
57)	P	Bromoform	0.156	0.226	0.180	0.291	0.284	0.119	0.209	33.42
58)	T	Isopropylbenzene	1.299	1.407	1.456	1.723	1.616	1.237	1.456	12.73
59)	S	Bromofluorobenzene	0.726	0.748	0.727	0.758	0.757	0.719	0.739	2.34
60)	P	1,1,2,2-Tetrachloro	0.526	0.445	0.506	0.524	0.474	0.563	0.506	8.25
61)	T	Bromobenzene	0.539	0.476	0.525	0.567	0.516	0.572	0.533	6.65
62)	T	1,2,3-Trichloroprop	0.464	0.384	0.434	0.461	0.431	0.475	0.441	7.47
63)	T	n-Propylbenzene	1.945	1.957	2.102	2.375	2.195	2.146	2.120	7.57
64)	T	2-Chlorotoluene	1.337	1.239	1.354	1.501	1.391	1.442	1.377	6.57
65)	T	1,3,5-Trimethylbenz	1.544	1.551	1.660	1.850	1.666	1.502	1.629	7.80
66)	T	4-Chlorotoluene	1.635	1.489	1.651	1.754	1.591	1.802	1.654	6.82
67)	T	tert-Butylbenzene	1.120	1.223	1.256	1.506	1.360	1.119	1.264	11.80
68)	T	1,2,4-Trimethylbenz	1.698	1.665	1.803	1.973	1.785	1.563	1.748	8.04
69)	T	sec-Butylbenzene	1.798	1.868	1.944	2.258	2.013	1.897	1.963	8.23
70)	T	1,3-Dichlorobenzene	1.108	0.993	1.115	1.169	1.041	1.260	1.114	8.46
71)	T	4-Isopropyltoluene	1.625	1.666	1.770	1.989	1.751	1.616	1.736	8.03
72)	T	1,4-Dichlorobenzene	1.181	1.041	1.161	1.217	1.075	1.334	1.168	8.97
73)	T	n-Butylbenzene	0.715	0.768	0.807	0.890	0.772	0.753	0.784	7.63
74)	T	1,2-Dichlorobenzene	1.133	0.988	1.145	1.127	0.982	1.224	1.100	8.69
75)	T	1,2-Dibromo-3-chlor	0.086	0.100	0.092	0.120	0.110	0.070	0.096	18.50
76)	T	1,2,4-Trichlorobenz	0.578	0.650	0.635	0.749	0.651	0.639	0.650	8.53
77)	T	Hexachlorobutadiene	0.334	0.223	0.242	0.268	0.225	0.478	0.295	33.40
78)	T	Naphthalene	1.494	1.855	1.798	2.180	1.927	1.203	1.743	19.78
79)	T	1,2,3-Trichlorobenz	0.598	0.618	0.620	0.714	0.615	0.614	0.630	6.66
80)	T	1,1,2-Trichloro-1,2	0.319	0.213	0.235	0.255	0.202	0.220	0.241	17.64
81)	T	Methyl acetate	0.306	0.204	0.242	0.236	0.220	0.319	0.255	18.40
82)	T	Cyclohexane	0.592	0.437	0.523	0.533	0.485	0.519	0.515	10.03
83)	T	Methylcyclohexane	0.345	0.327	0.371	0.402	0.358	0.422	0.371	9.63

(#) = Out of Range

JAW0403.M Fri Apr 04 09:50:49 2008 MANAGER

Instrument ID: MSD_J
Method ID: JAW0403.M
Date: 04/04/2008

Average %RSD = 10.38

Refer to SW846 Method 8000B Section 7.5.1.

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 04/08/2008

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J4432.D	97	95	96
03626-002	AQUEOUS	J4433.D	100	95	96
03626-001	AQUEOUS	J4434.D	99	94	99
BLK-SPK	AQUEOUS	J4435.D	92	98	98
03500-003	AQUEOUS	J4436.D	95	87	98
03500-001	AQUEOUS	J4437.D	95	93	94
WATER-MS	AQUEOUS	J4438.D	94	90	93
WATER-MSD	AQUEOUS	J4439.D	94	95	94
03767-001	AQUEOUS	J4440.D	96	94	95
03767-002	AQUEOUS	J4441.D	95	94	96
03767-003	AQUEOUS	J4442.D	92	95	95
03767-004	AQUEOUS	J4443.D	93	96	97
03767-005	AQUEOUS	J4444.D	94	94	96
03767-006	AQUEOUS	J4445.D	100	95	93
03767-007	AQUEOUS	J4446.D	99	95	94
03767-008	AQUEOUS	J4447.D	101	95	95
03530-001	AQUEOUS	J4448.D	100	94	95
03498-004	AQUEOUS	J4449.D	101	94	95
03498-005	AQUEOUS	J4450.D	101	95	94
03498-006	AQUEOUS	J4451.D	102	95	96

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	88-138	76-118
SMC2 = Toluene-d8	50 ppb	85-127	87-101
SMC3 = Bromofluorobenzene	50 ppb	88-126	87-105

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: MSD

Batch No.: J0408

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	33.8	68	34 - 149
Benzene	50.0	0.0	42.2	84	45 - 136
Trichloroethene	50.0	0.0	44.0	88	40 - 147
Toluene	50.0	0.0	43.5	87	43 - 137
Chlorobenzene	50.0	0.0	44.4	89	45 - 144

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	35.6	71	4	19	34 - 149
Benzene	0.0	42.9	86	2	15	45 - 136
Trichloroethene	0.0	44.9	90	2	18	40 - 147
Toluene	0.0	44.4	89	2	16	43 - 137
Chlorobenzene	0.0	45.3	91	2	16	45 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J4342.D Date Analyzed: 04/03/2008

Instrument ID: MSD_J Time Analyzed: 12:37

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	303252		6.17		525634		6.99		546833		10.33	
	UPPER LIMIT	606504		6.67		1051268		7.49		1093666		10.83	
	LOWER LIMIT	151626		5.67		262817		6.49		273416.5		9.83	
	LAB SAMPLE ID												
01	STD-20PPB	241014		6.17		429830		6.99		439577		10.33	
02	STD-150PPB	271129		6.17		460127		6.99		485913		10.33	
03	STD-200PPB	300327		6.17		514544		6.99		542480		10.33	
04	STD-5PPB	261582		6.17		453491		6.99		451429		10.33	
05	STD-1PPB	285519		6.18		500982		7.00		498356		10.33	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J4429.D

Date Analyzed: 04/08/2008

Instrument ID: MSD_J

Time Analyzed: 11:16

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	342725	6.18	577022	6.99	626233	10.33
	UPPER LIMIT	685450	6.68	1154044	7.49	1252466	10.83
	LOWER LIMIT	171362.5	5.68	288511	6.49	313116.5	9.83
	LAB SAMPLE ID						
01	METHOD-BLK	315988	6.18	528142	6.99	543777	10.33
02	03626-002	294849	6.18	499720	6.99	516533	10.33
03	03626-001	313688	6.18	523647	6.99	536540	10.33
04	BLK-SPK	319520	6.18	529629	6.99	548747	10.33
05	03500-003	322861	6.17	543065	6.99	553359	10.33
06	03500-001	320022	6.17	540331	6.99	560337	10.33
07	WATER-MS	334160	6.17	561817	6.99	573399	10.33
08	WATER-MSD	317725	6.17	540790	6.99	549612	10.33
09	03767-001	281157	6.17	484639	6.99	497354	10.33
10	03767-002	330809	6.18	566862	7.00	574973	10.33
11	03767-003	319985	6.18	539941	6.99	558835	10.33
12	03767-004	330522	6.18	560387	6.99	580488	10.33
13	03767-005	329280	6.18	560793	7.00	576914	10.33
14	03767-006	272559	6.17	469603	6.99	481407	10.33
15	03767-007	309651	6.18	522740	7.00	534925	10.33
16	03767-008	300776	6.18	508848	6.99	521552	10.33
17	03530-001	303326	6.18	506040	7.00	518498	10.33
18	03498-004	291707	6.18	498391	7.00	513324	10.33
19	03498-005	282949	6.18	476599	6.99	492179	10.33
20	03498-006	282254	6.18	481877	7.00	494743	10.33
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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.

FORM 8

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4440.D Vial: 14
Acq On : 8 Apr 2008 4:20 pm Operator: BINXU
Sample : MW-6,03767-001,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 15:40:43 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	281157	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	484639	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	497354	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	156947	48.21	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 96.42%			
41) Toluene-d8	8.66	98	431893	47.21	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.42%			
59) Bromofluorobenzene	11.73	95	347507	47.26	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.52%			

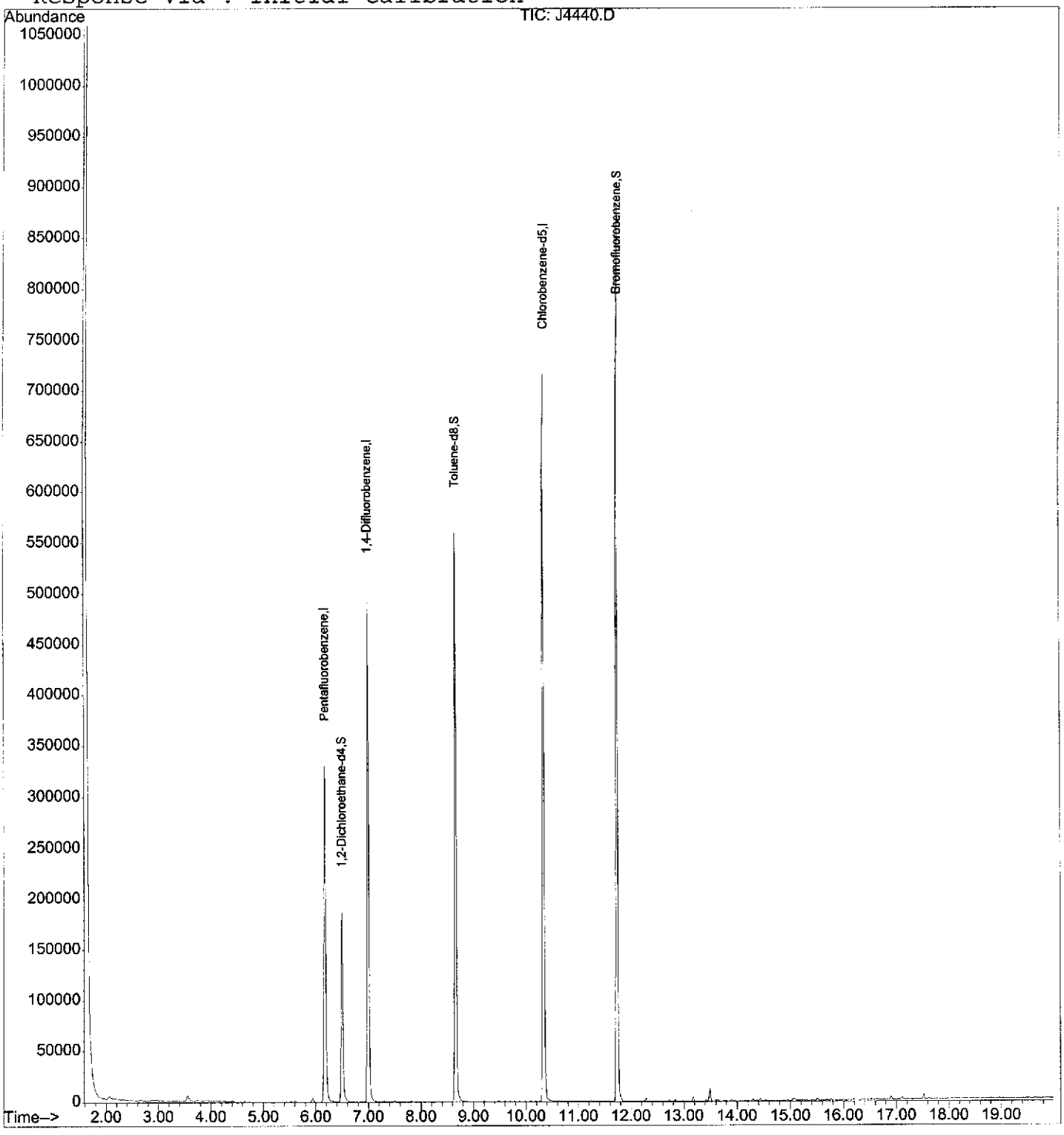
Target Compounds Qvalue

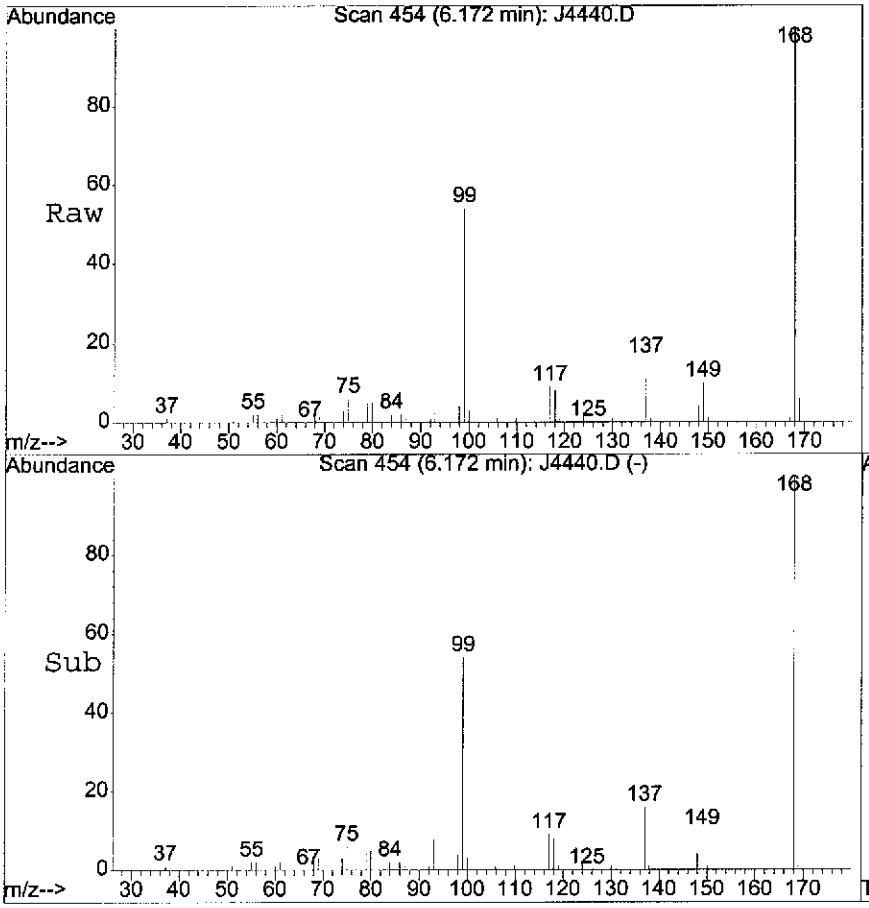
(#) = qualifier out of range (m) = manual integration
J4440.D JAW0403.M Wed Apr 09 14:44:27 2008 MANAGER Page 1
0041

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4440.D Vial: 14
Acq On : 8 Apr 2008 4:20 pm Operator: BINXU
Sample : MW-6,03767-001,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:27 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

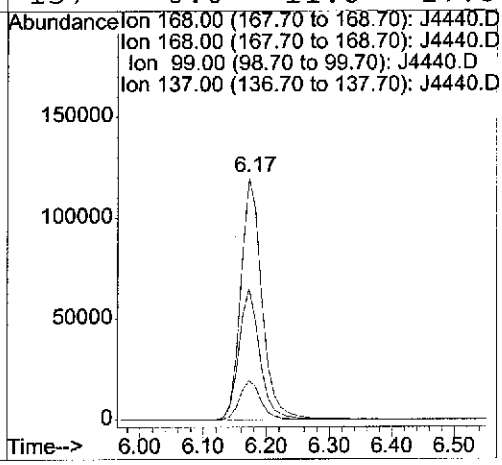


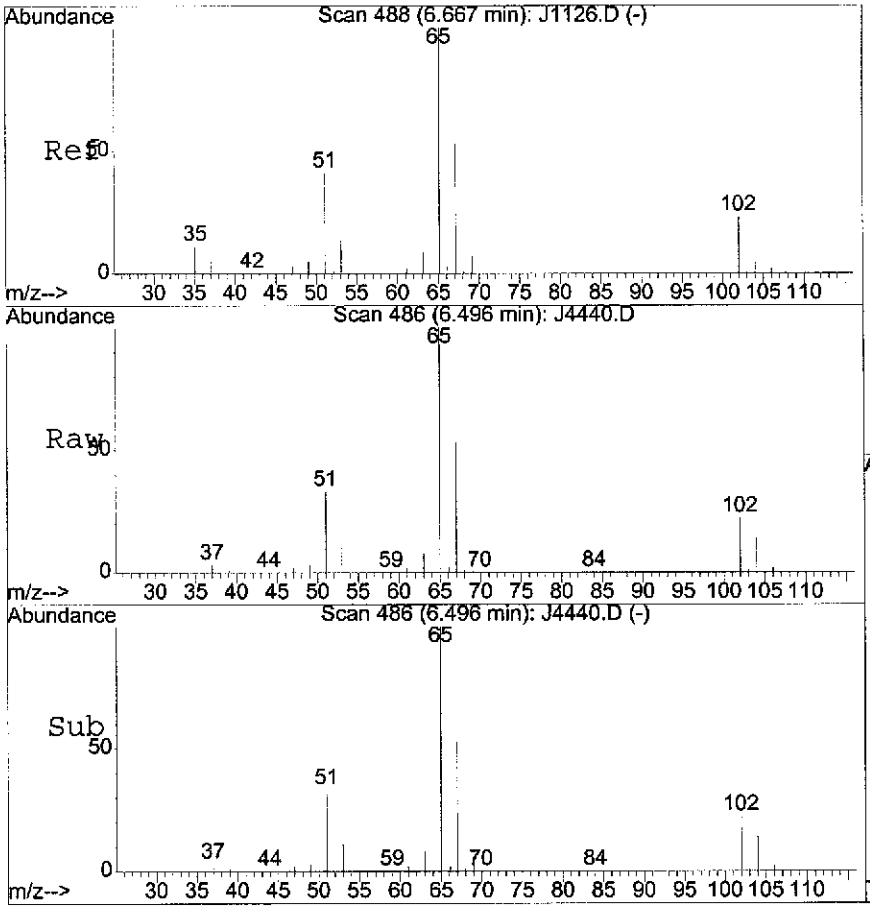


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.17 min Scan# 454
Delta R.T. 0.00 min
Lab File: J4440.D
Acq: 8 Apr 2008 4:20 pm

Tgt Ion:168 Resp: 281157

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	62.4	93.6#
137	0.0	11.8	17.8#

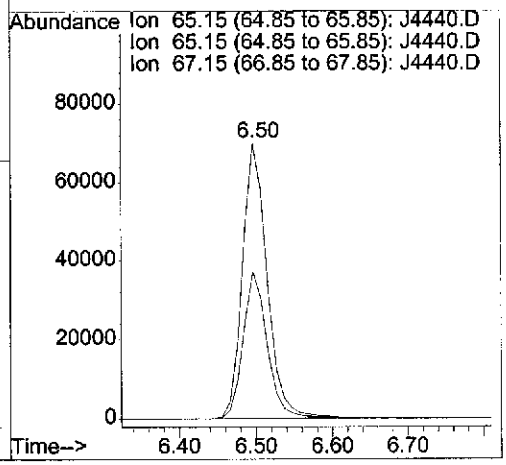


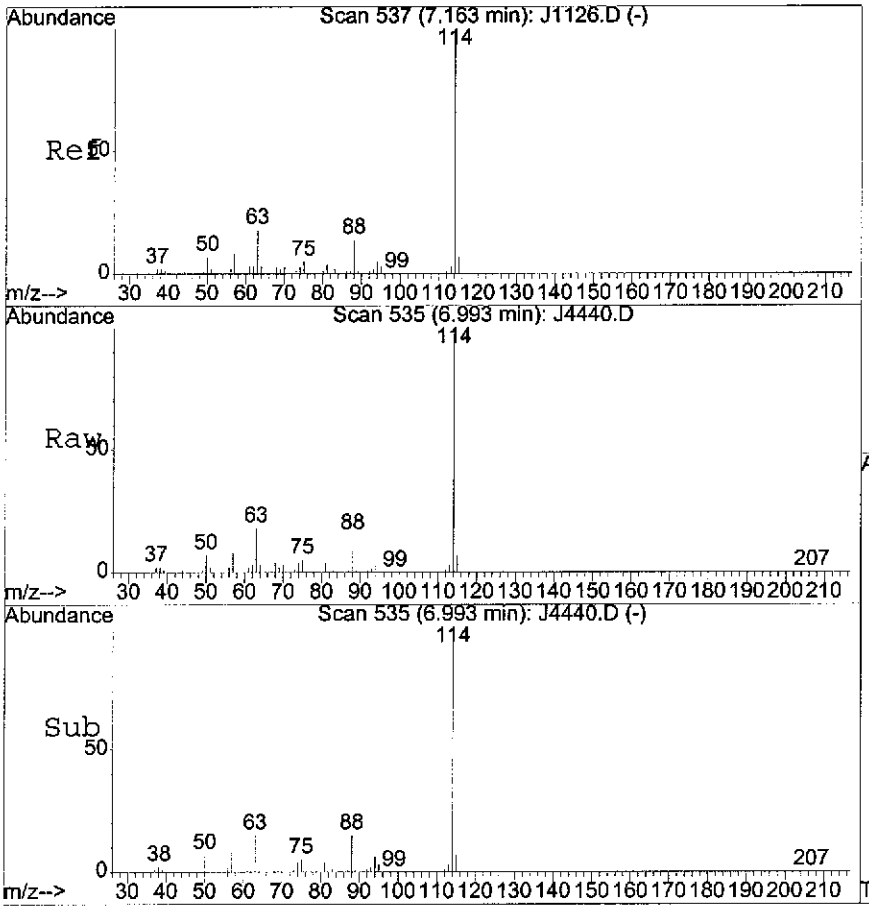


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.50 min Scan# 486
Delta R.T. 0.00 min
Lab File: J4440.D
Acq: 8 Apr 2008 4:20 pm

Tgt Ion: 65 Resp: 156947

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	52.4	47.4	71.2

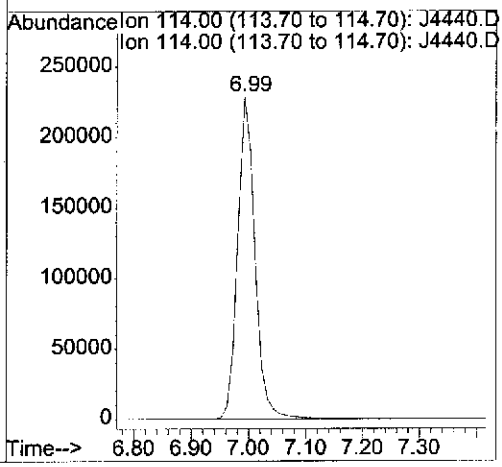


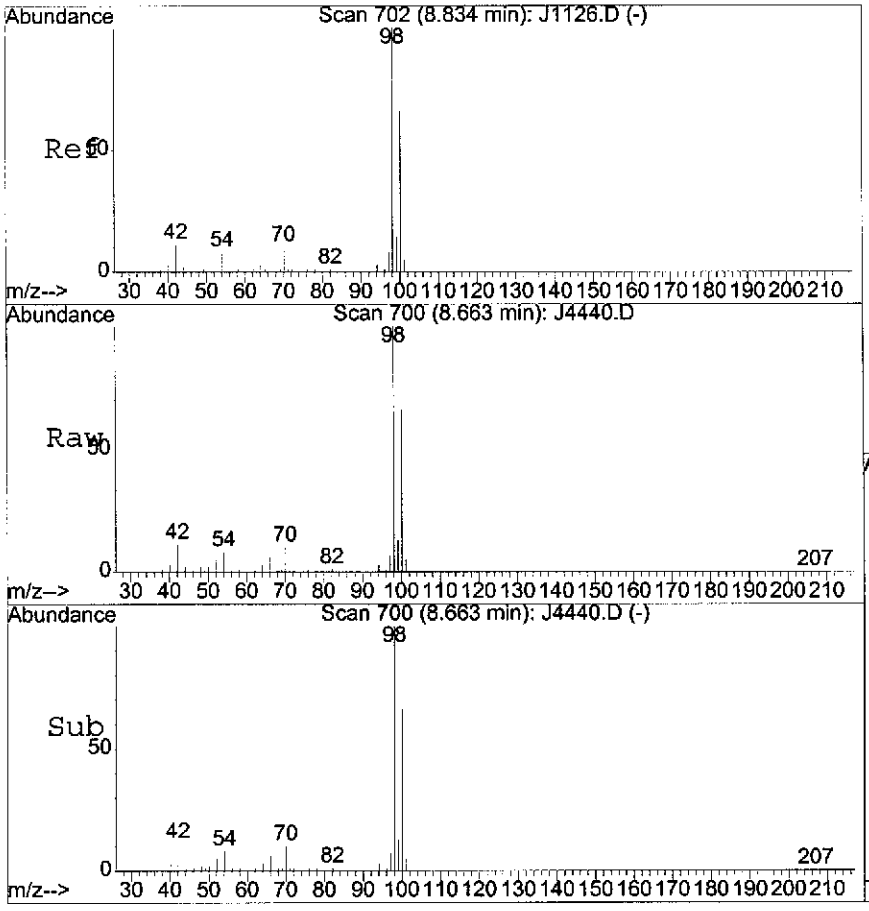


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. 0.00 min
Lab File: J4440.D
Acq: 8 Apr 2008 4:20 pm

Tgt Ion:114 Resp: 484639

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

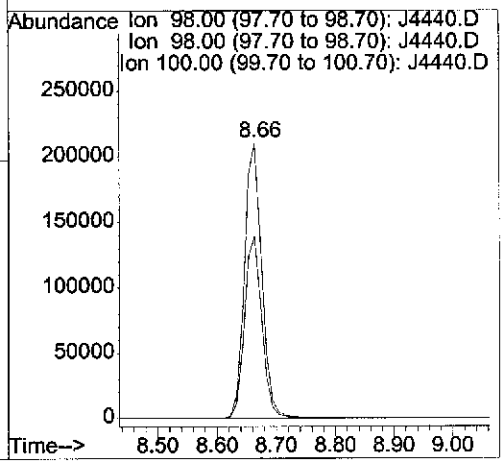


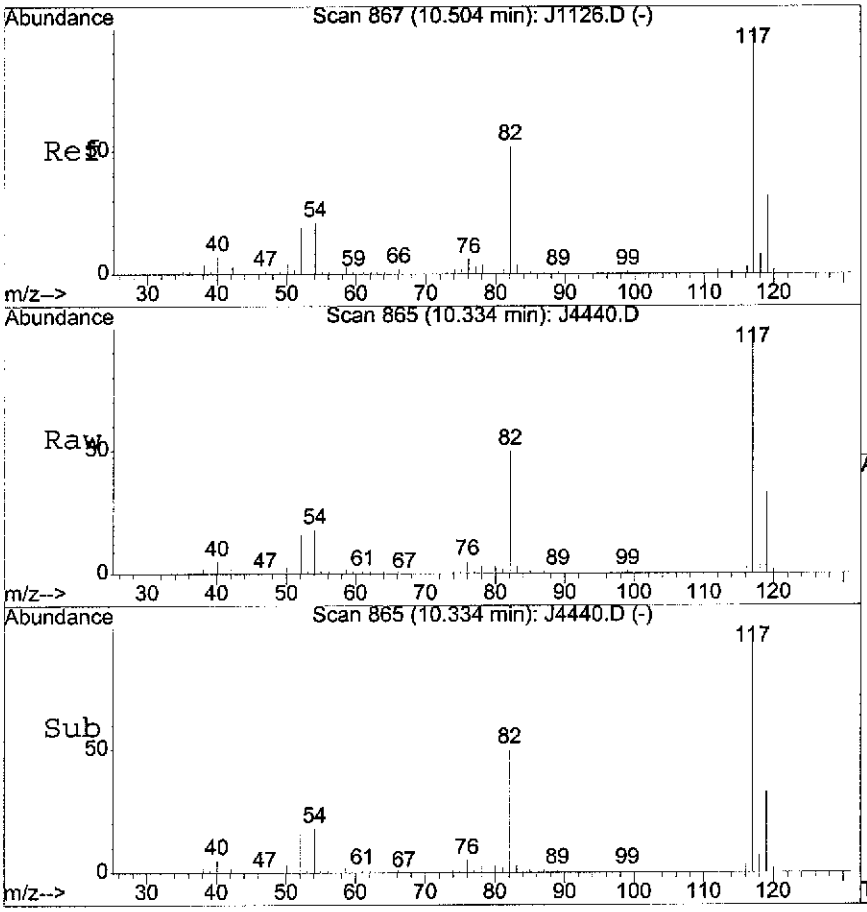


#41
Toluene-d8
Concen: Below UG
RT: 8.66 min Scan# 700
Delta R.T. 0.00 min
Lab File: J4440.D
Acq: 8 Apr 2008 4:20 pm

Tgt Ion: 98 Resp: 431893

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.3	65.4	98.2

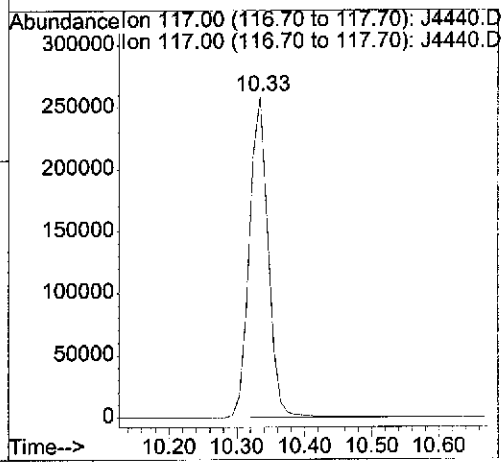


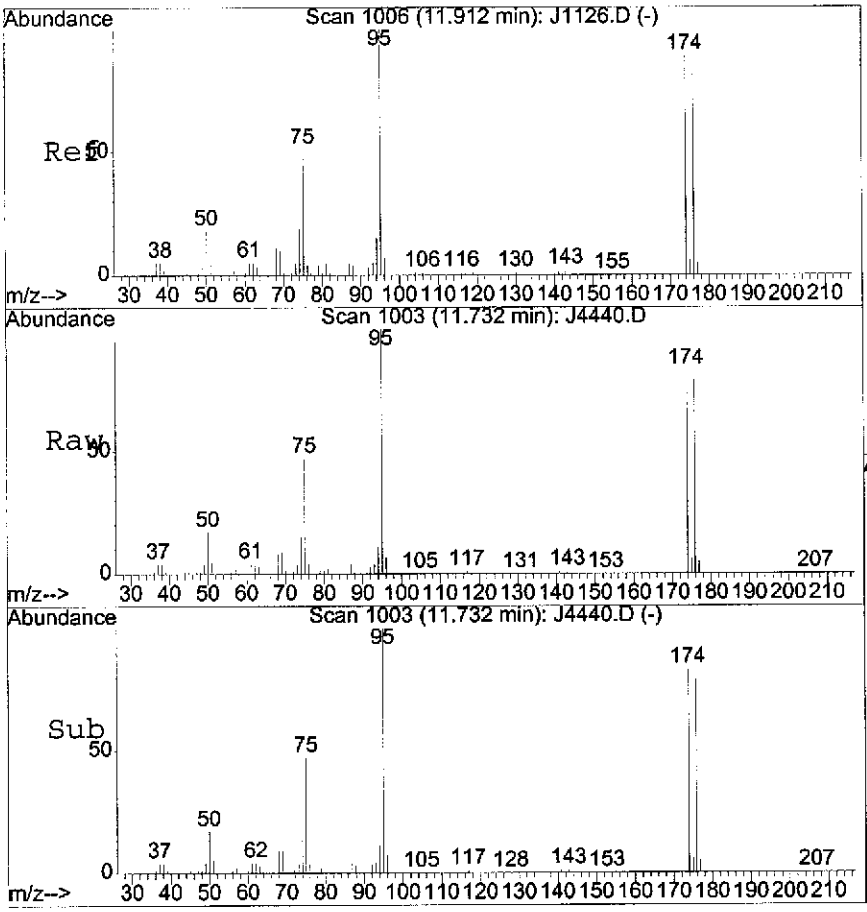


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. 0.00 min
Lab File: J4440.D
Acq: 8 Apr 2008 4:20 pm

Tgt Ion:117 Resp: 497354

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

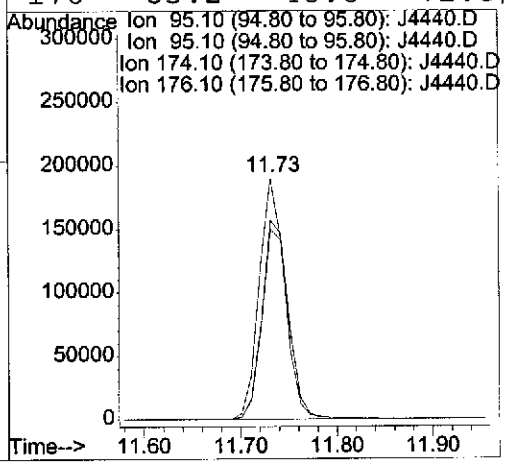




#59
Bromofluorobenzene
Concen: Below UG
RT: 11.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: J4440.D
Acq: 8 Apr 2008 4:20 pm

Tgt Ion: 95 Resp: 347507

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	86.2	50.9	76.3#
176	83.2	48.6	72.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4441.D Vial: 15
Acq On : 8 Apr 2008 4:46 pm Operator: BINXU
Sample : MW-5,03767-002,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 16:06:52 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

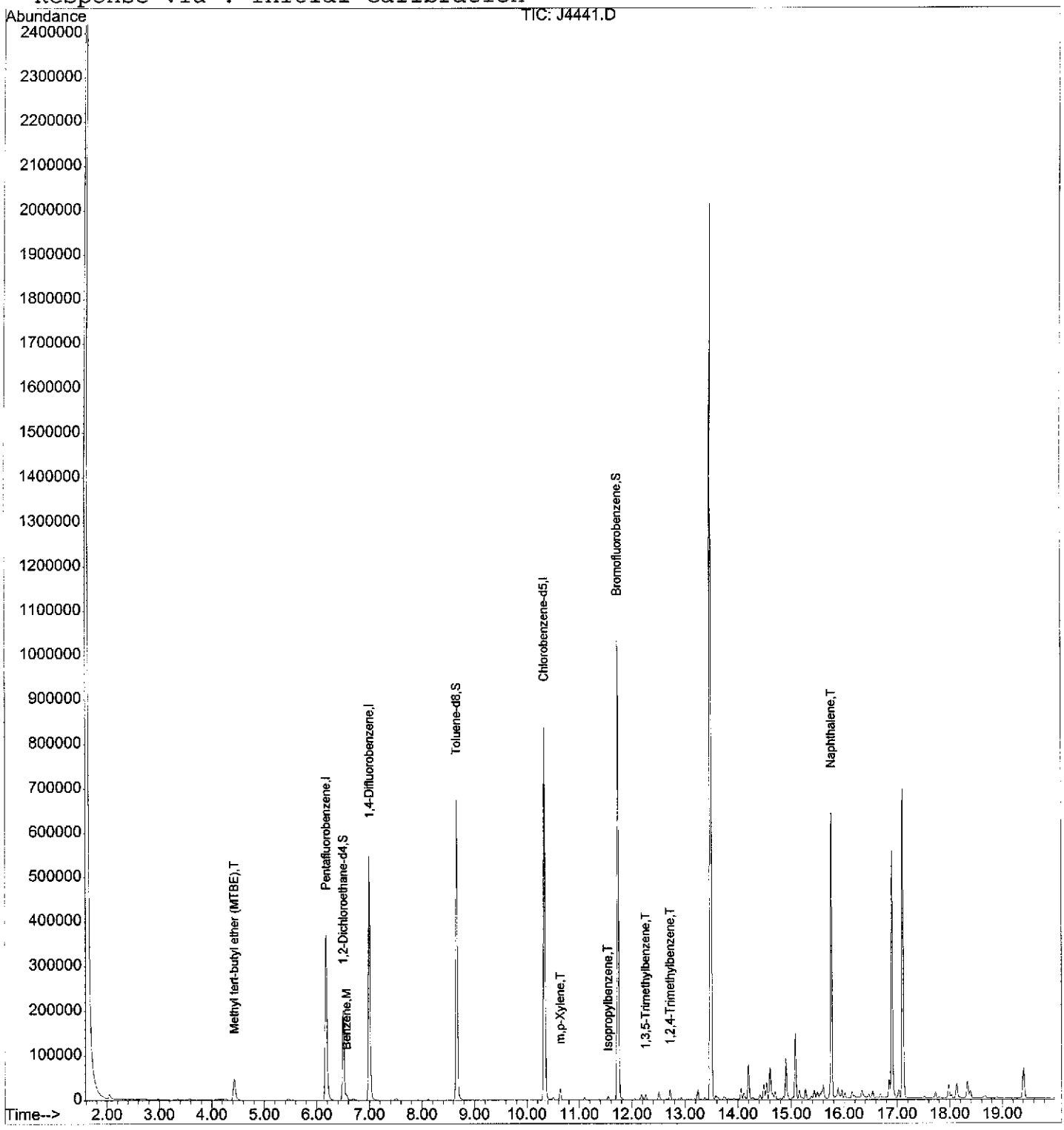
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	330809	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	566862	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	574973	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	181562	47.40	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.80%			
41) Toluene-d8	8.66	98	500730	46.79	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.58%			
59) Bromofluorobenzene	11.73	95	407367	47.92	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.84%			
Target Compounds						Qvalue
17) Methyl tert-butyl ether (M	4.43	73	69990	7.00	UG	100
32) Benzene	6.57	78	8905	0.55	UG	100
54) m,p-Xylene	10.64	106	8672	1.08	UG	93
58) Isopropylbenzene	11.55	105	7219	0.43	UG	98
65) 1,3,5-Trimethylbenzene	12.26	105	7430	0.40	UG	96
68) 1,2,4-Trimethylbenzene	12.72	105	15508	0.77	UG	98
78) Naphthalene	15.76	128	550544	27.47	UG	100

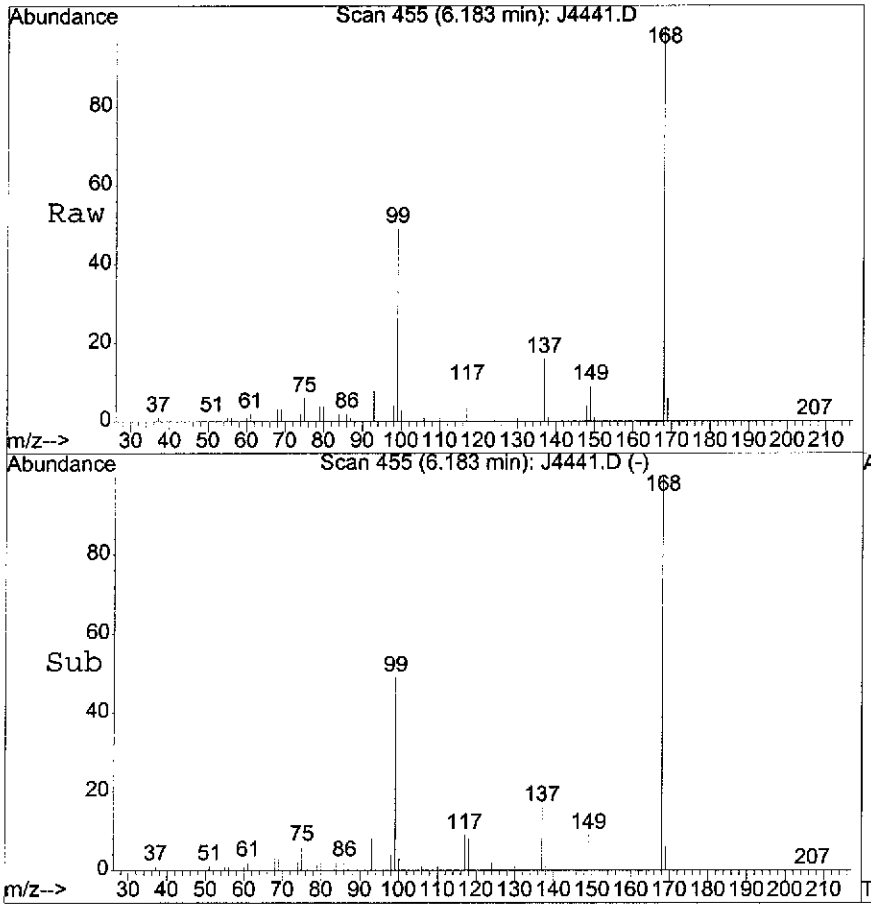
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4441.D Vial: 15
Acq On : 8 Apr 2008 4:46 pm Operator: BINXU
Sample : MW-5,03767-002,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:28 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

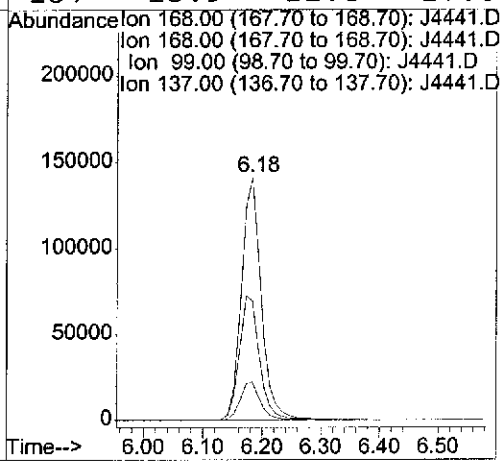


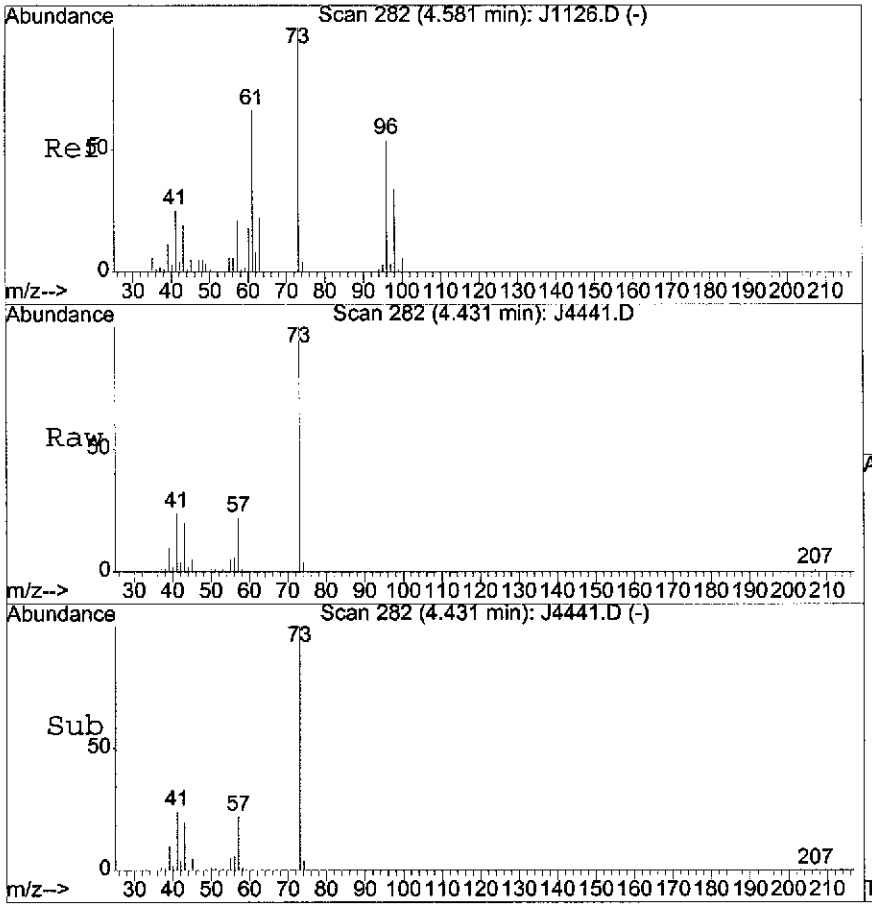


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.18 min Scan# 455
Delta R.T. 0.01 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:168 Resp: 330809

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	52.4	62.4	93.6#
137	15.9	11.8	17.8

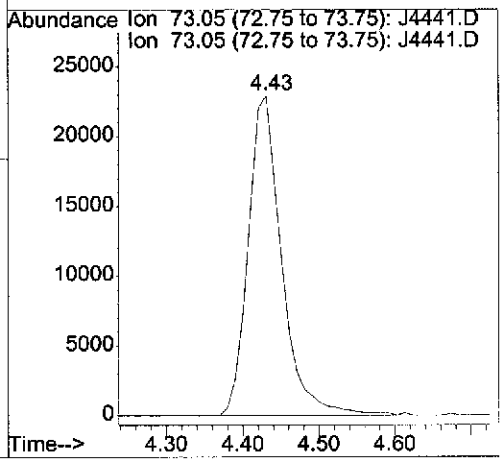


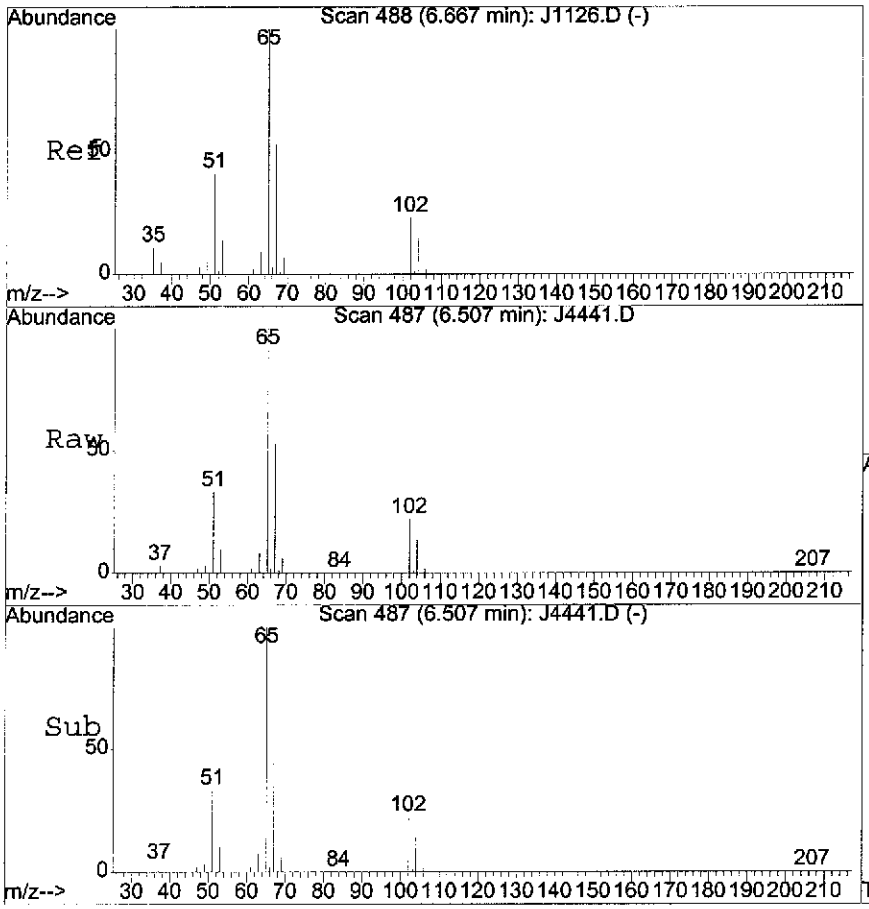


#17
Methyl tert-butyl ether (MTBE
Concen: 7.00 UG
RT: 4.43 min Scan# 282
Delta R.T. 0.01 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion: 73 Resp: 69990

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0

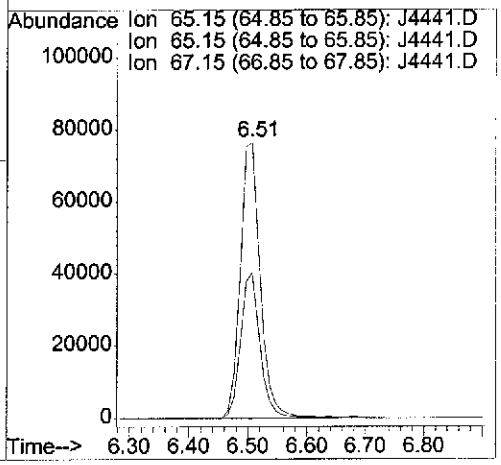


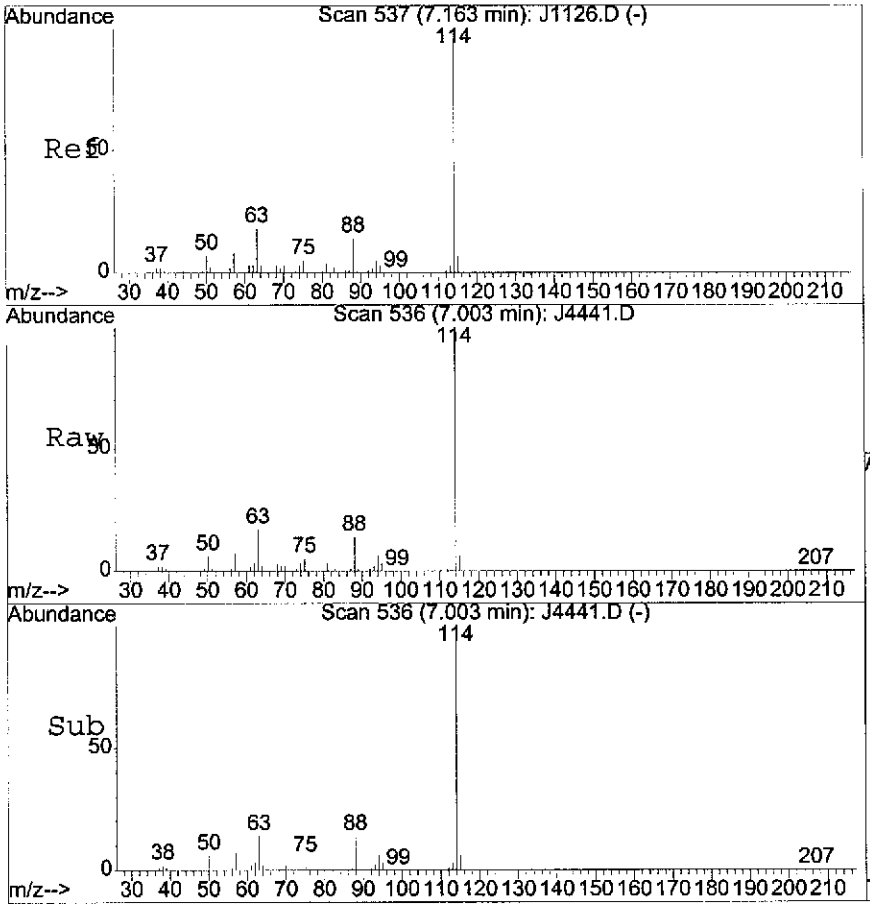


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.51 min Scan# 487
Delta R.T. 0.01 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion: 65 Resp: 181562

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	50.6	47.4	71.2

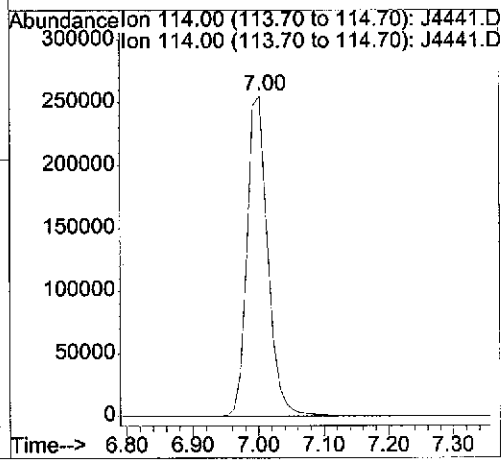


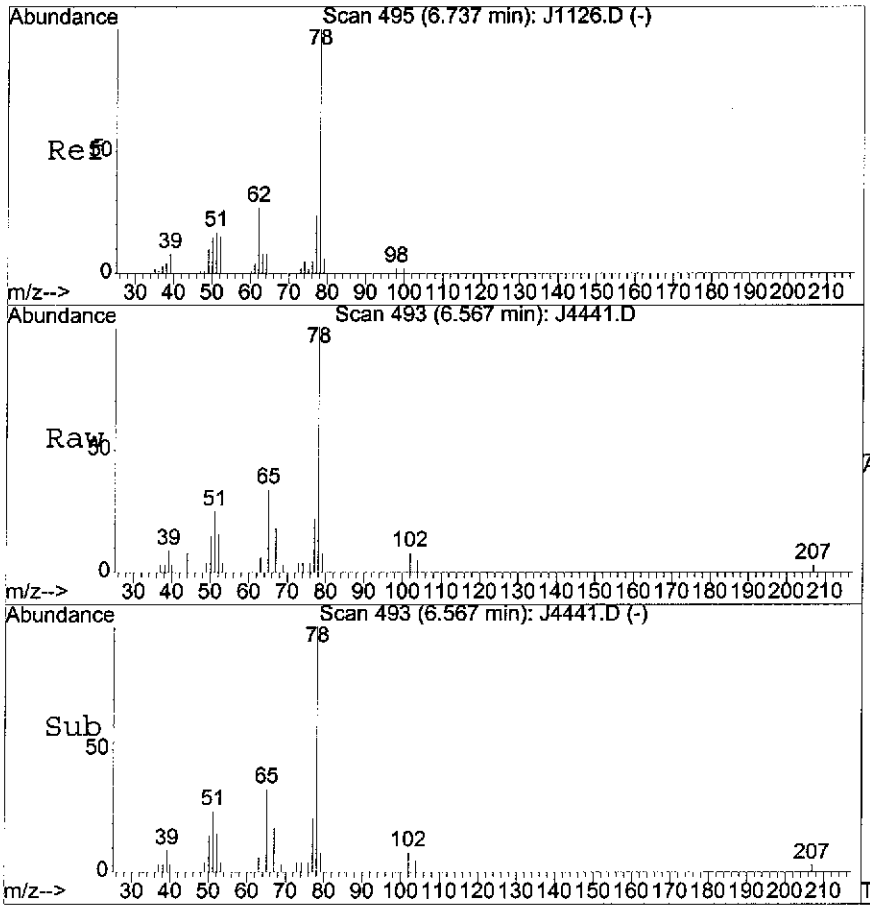


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:114 Resp: 566862

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

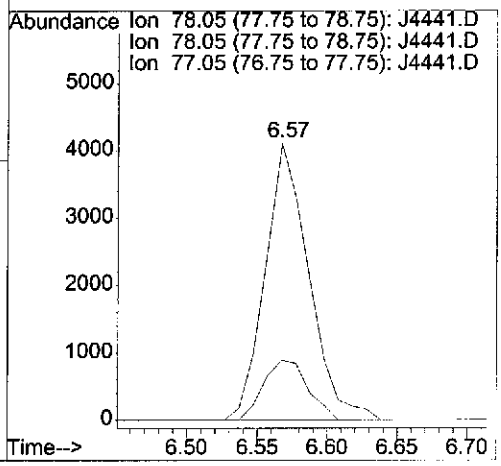


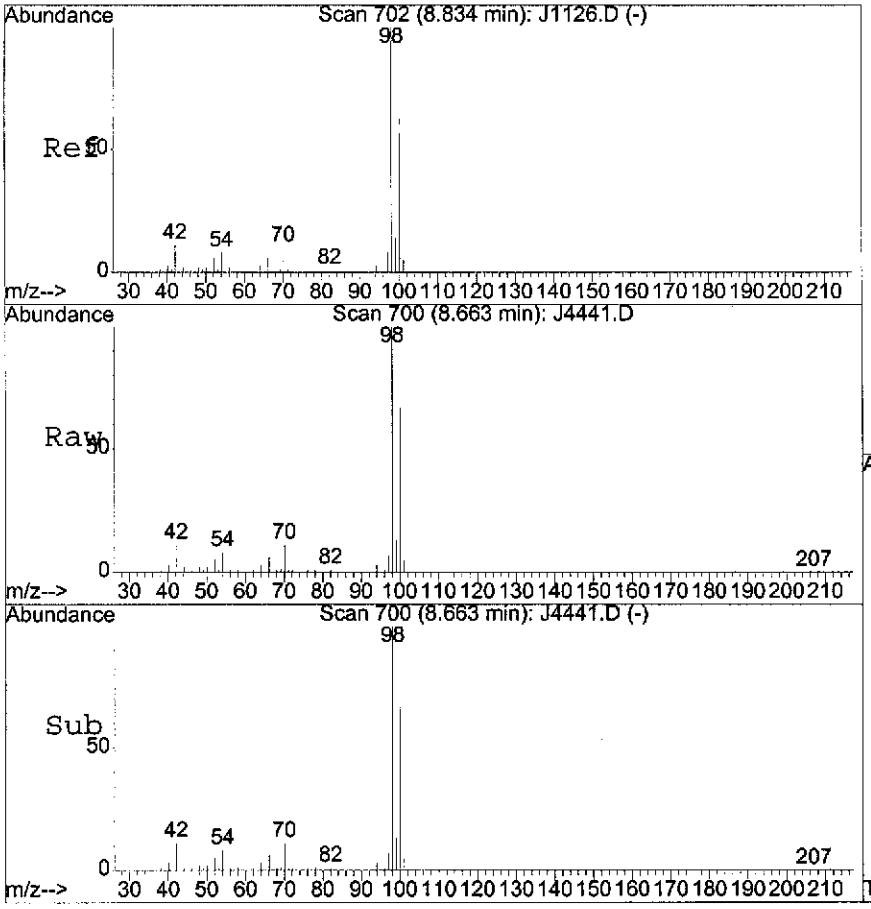


#32
Benzene
Concen: 0.55 UG
RT: 6.57 min Scan# 493
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion: 78 Resp: 8905

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	22.1	18.2	27.4

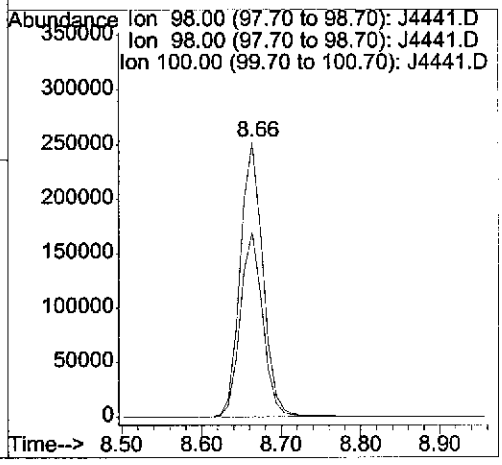


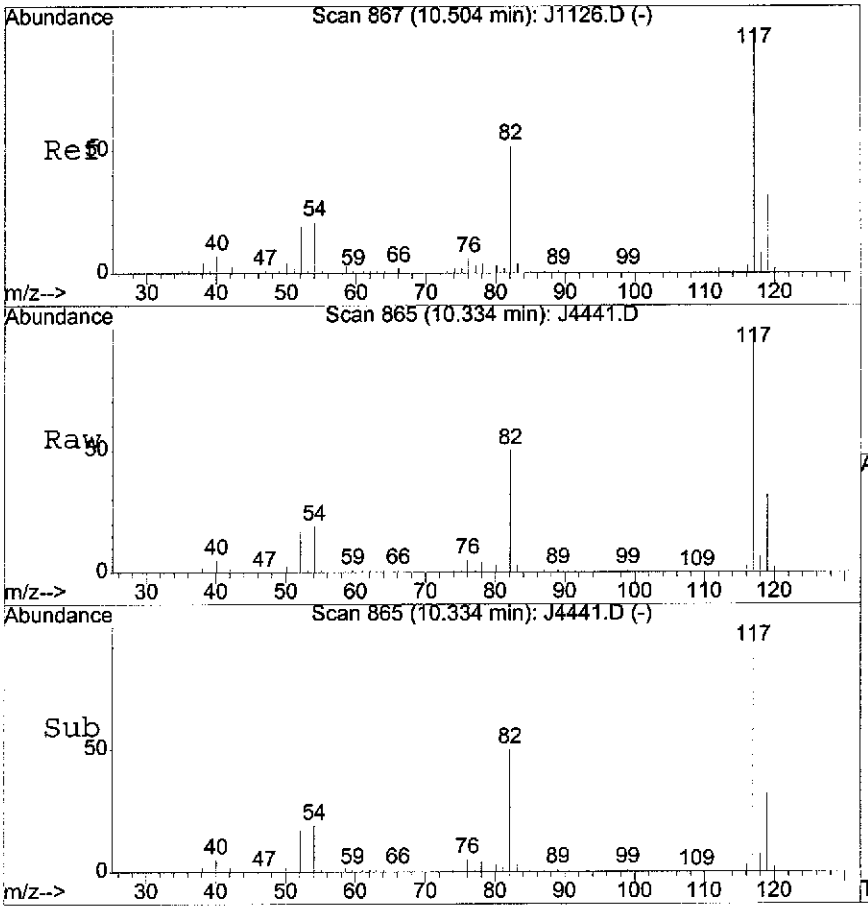


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion: 98 Resp: 500730

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.6	65.4	98.2

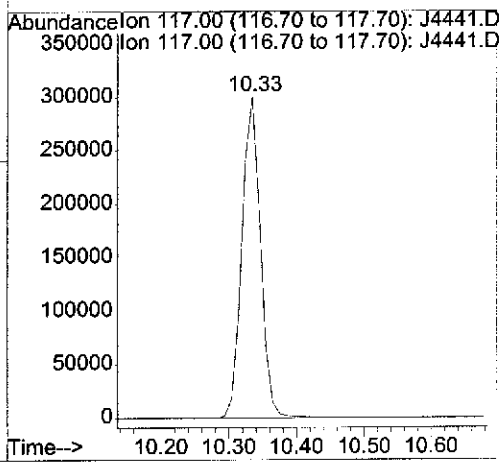


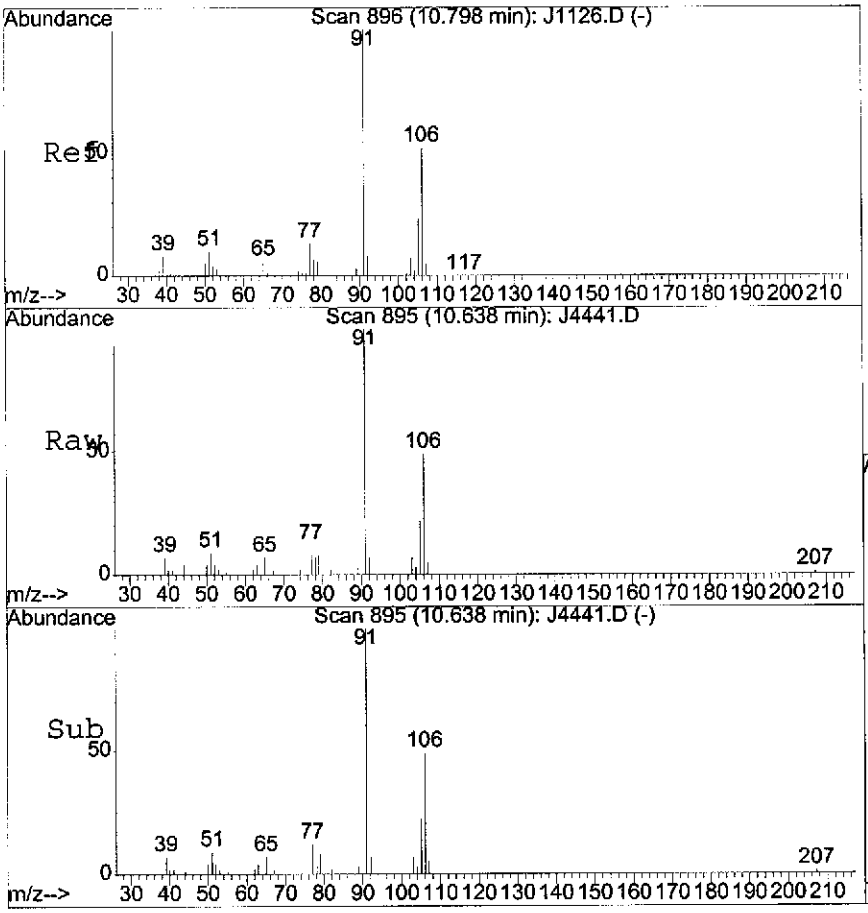


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:117 Resp: 574973

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

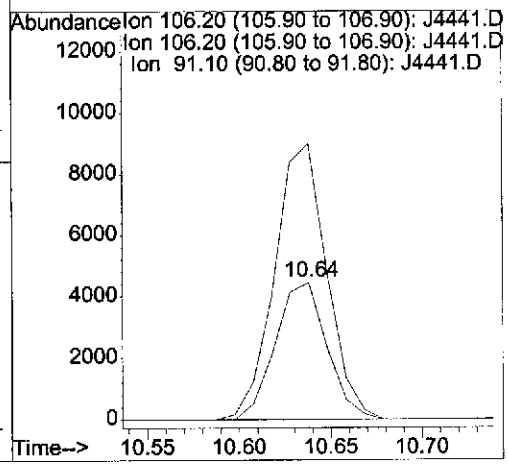


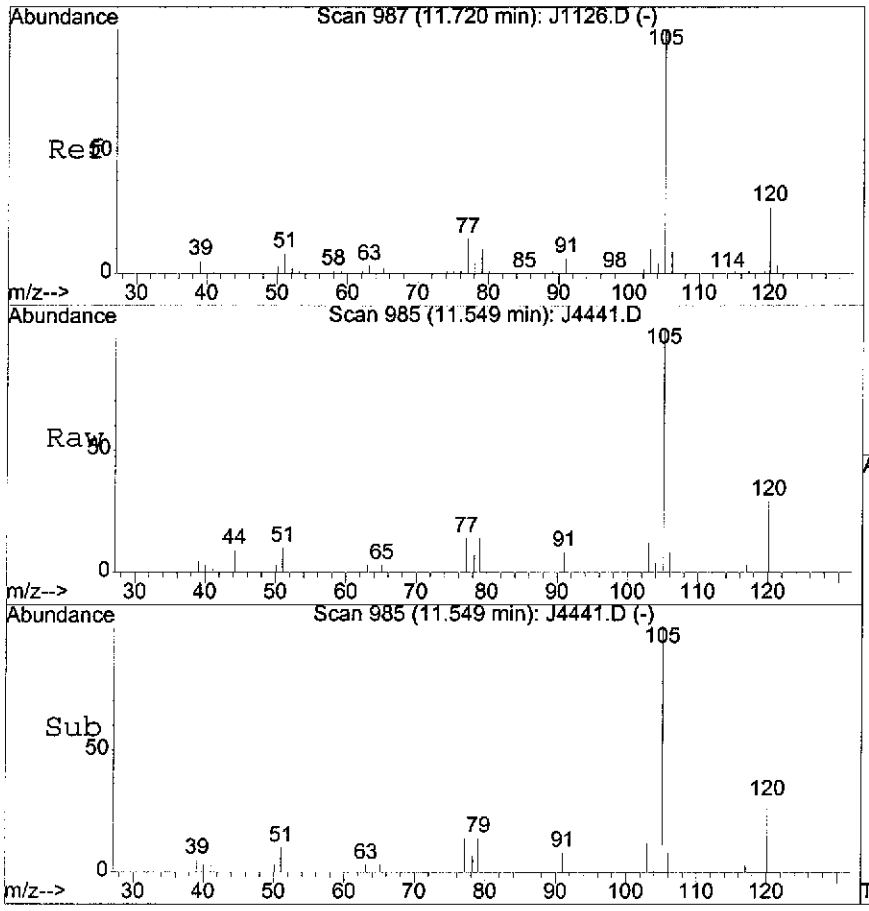


#54
m,p-Xylene
Concen: 1.08 UG
RT: 10.64 min Scan# 895
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:106 Resp: 8672

Ion	Ratio	Lower	Upper
106	100		
106	100.0	80.0	120.0
91	203.7	175.6	263.4

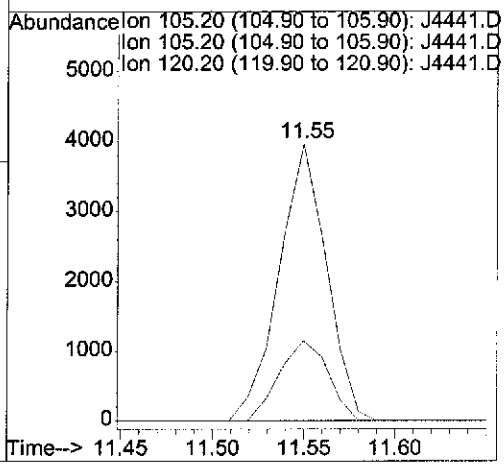


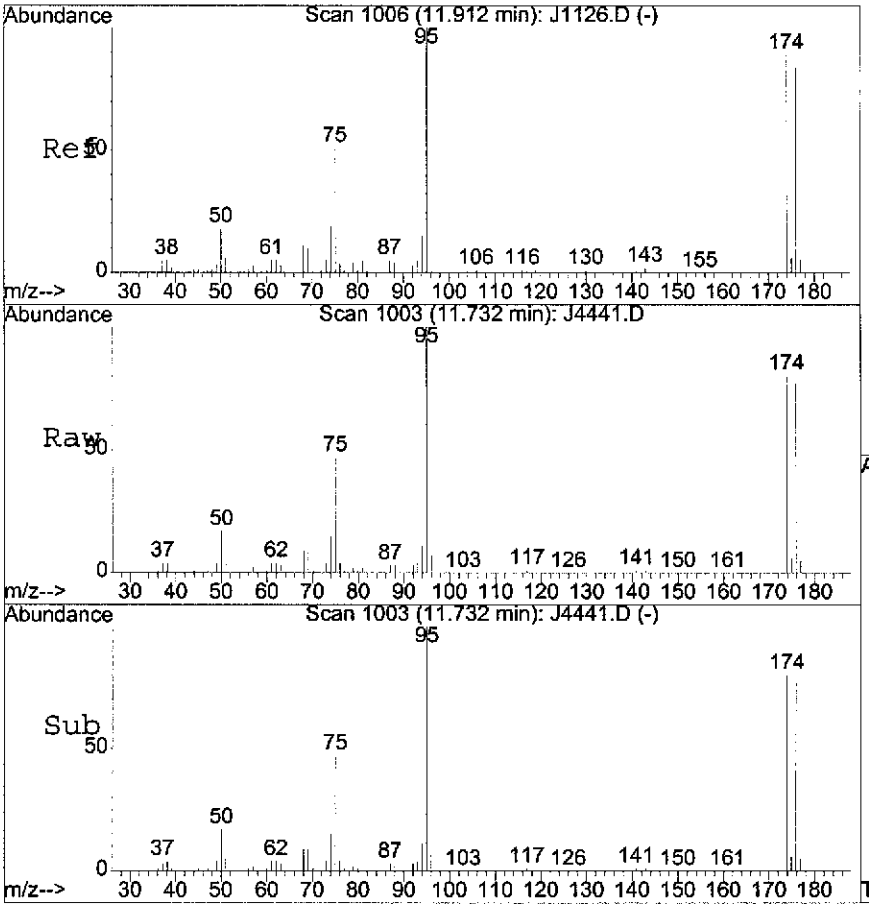


#58
Isopropylbenzene
Concen: 0.43 UG
RT: 11.55 min Scan# 985
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:105 Resp: 7219

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	29.7	20.1	30.1

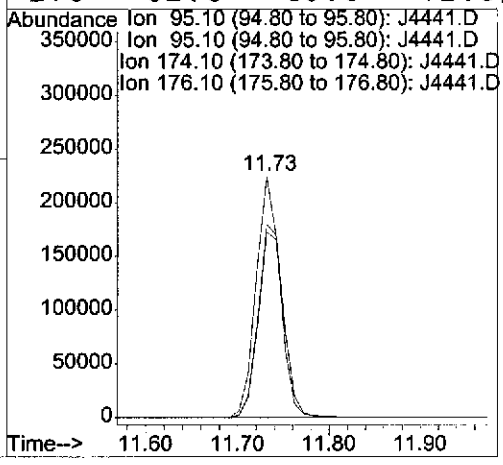


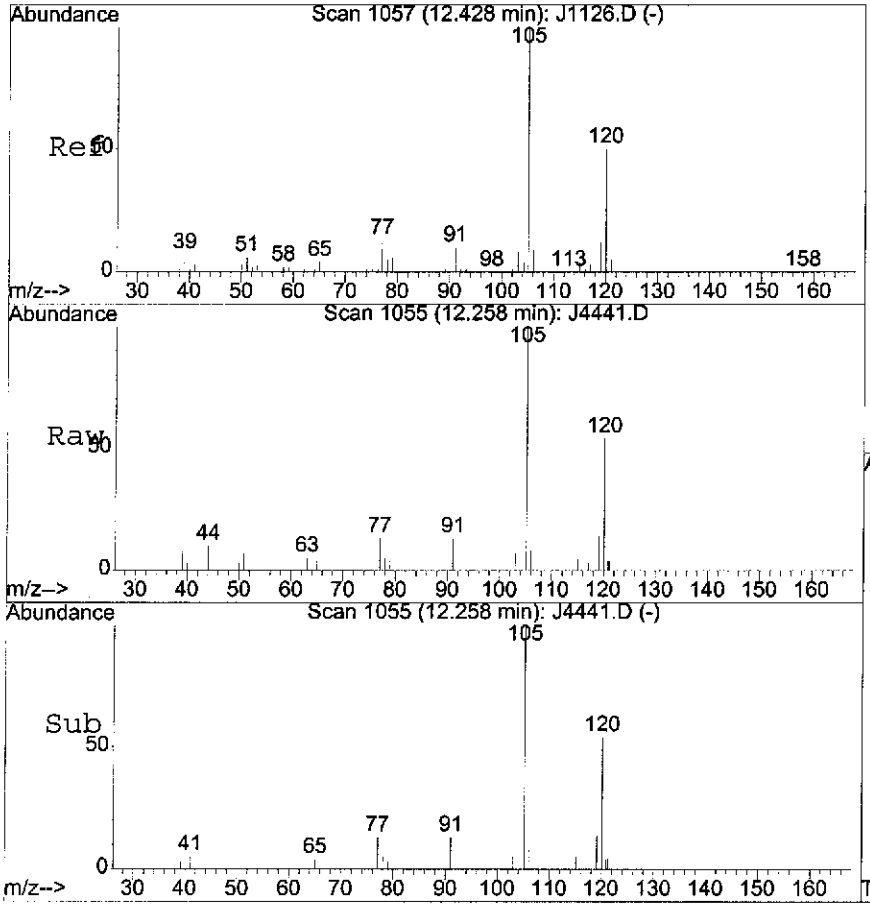


#59
Bromofluorobenzene
Concen: 0.43 UG
RT: 11.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion: 95 Resp: 407367

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.5	50.9	76.3#
176	82.6	48.6	72.8#

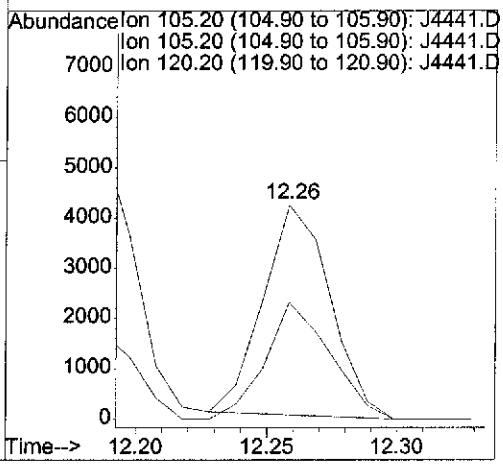


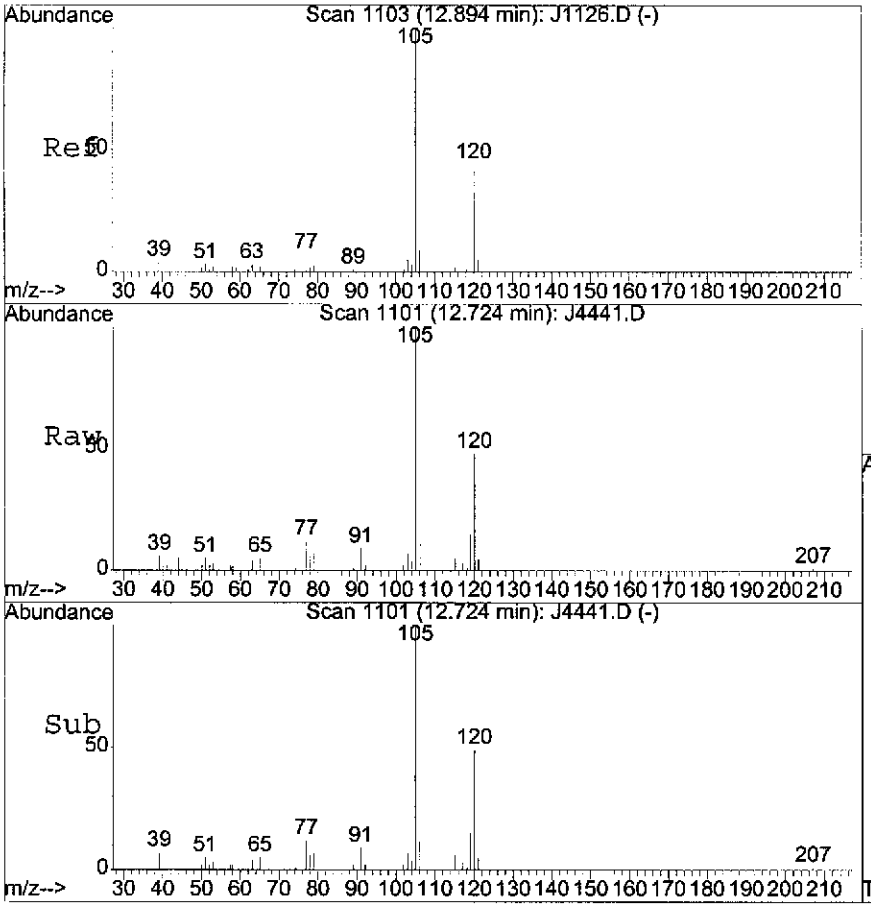


#65
1,3,5-Trimethylbenzene
Concen: 0.40 UG
RT: 12.26 min Scan# 1055
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:105 Resp: 7430

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	53.9	36.6	55.0

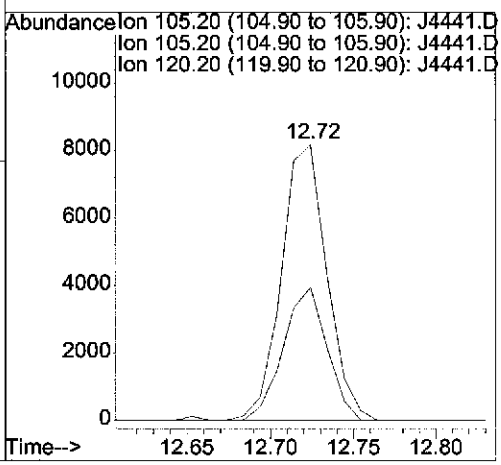


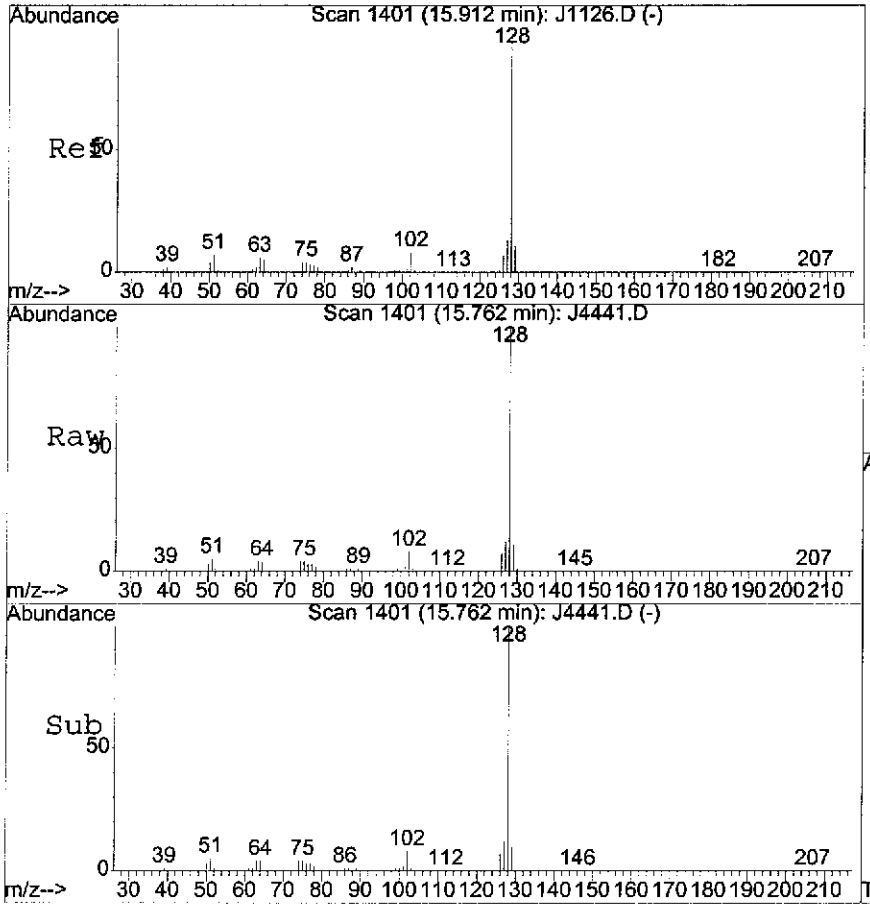


#68
1,2,4-Trimethylbenzene
Concen: 0.77 UG
RT: 12.72 min Scan# 1101
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:105 Resp: 15508

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	46.4	33.4	50.0

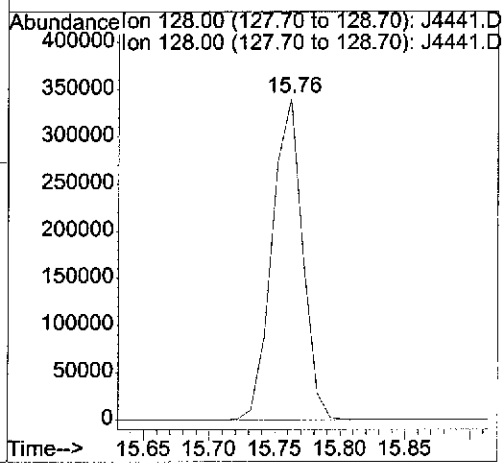




#78
Naphthalene
Concen: 27.47 UG
RT: 15.76 min Scan# 1401
Delta R.T. 0.00 min
Lab File: J4441.D
Acq: 8 Apr 2008 4:46 pm

Tgt Ion:128 Resp: 550544

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4442.D Vial: 16
Acq On : 8 Apr 2008 5:12 pm Operator: BINXU
Sample : MW-4,03767-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 16:32:58 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

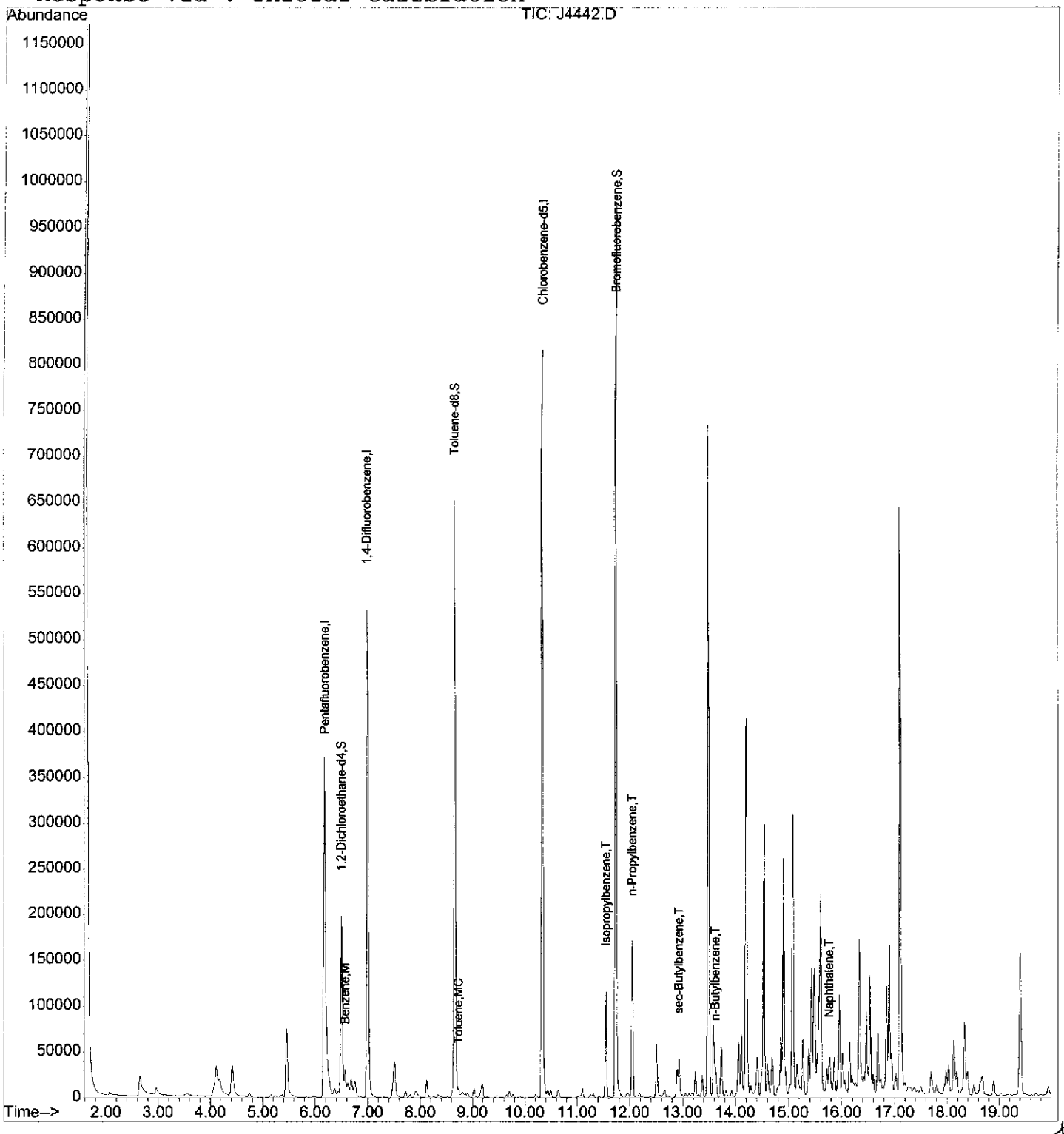
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	319985	50.00	UG		0.01
31) 1,4-Difluorobenzene	6.99	114	539941	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	558835	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	169947	45.87	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 91.74%				
41) Toluene-d8	8.66	98	482944	47.38	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.76%				
59) Bromofluorobenzene	11.73	95	394318	47.73	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.46%				
Target Compounds							Qvalue
32) Benzene	6.57	78	26333	1.71	UG		100
42) Toluene	8.73	92	3345	0.33	UG		95
58) Isopropylbenzene	11.55	105	87672	5.39	UG		99
63) n-Propylbenzene	12.05	91	150180	6.34	UG		99
69) sec-Butylbenzene	12.93	105	31407	1.43	UG	#	98
73) n-Butylbenzene	13.62	92	9951	1.14	UG	#	78
78) Naphthalene	15.76	128	22904	1.18	UG		100

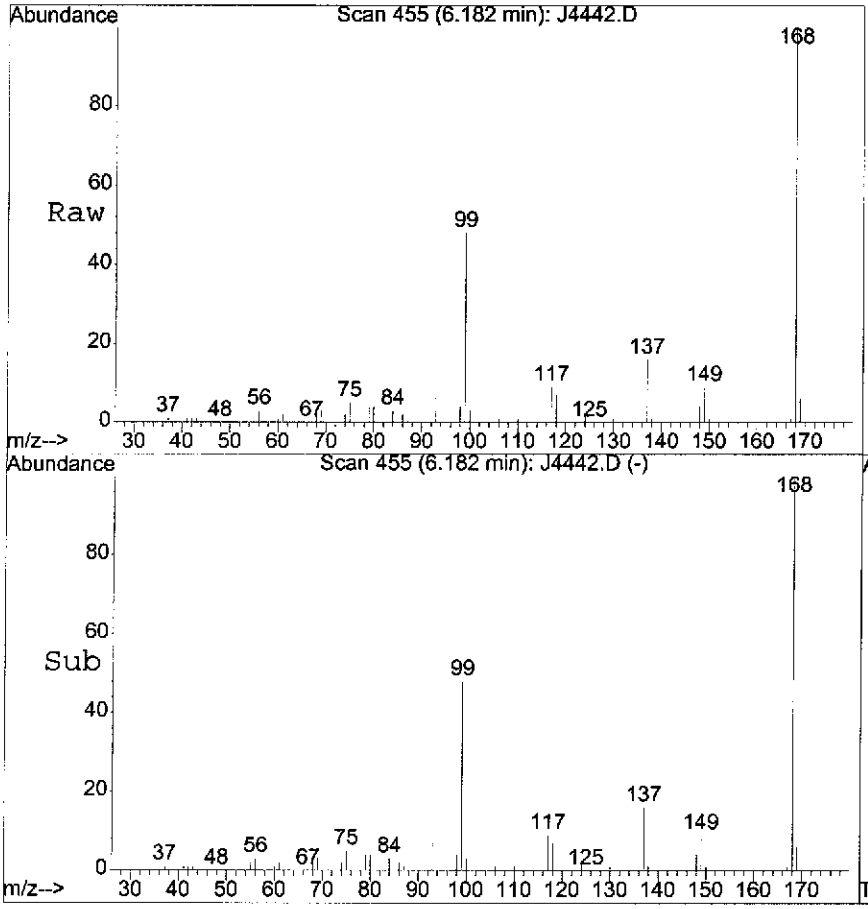
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4442.D Vial: 16
Acq On : 8 Apr 2008 5:12 pm Operator: BINXU
Sample : MW-4,03767-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:29 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

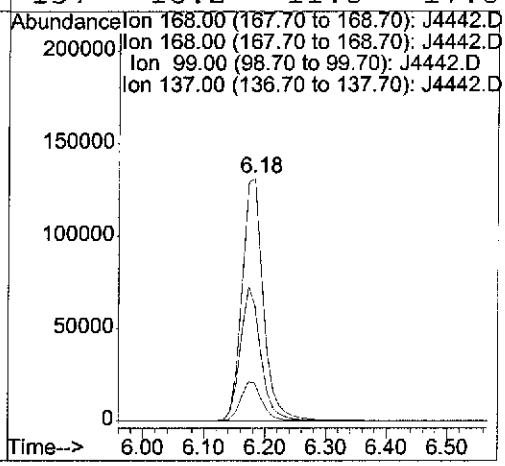


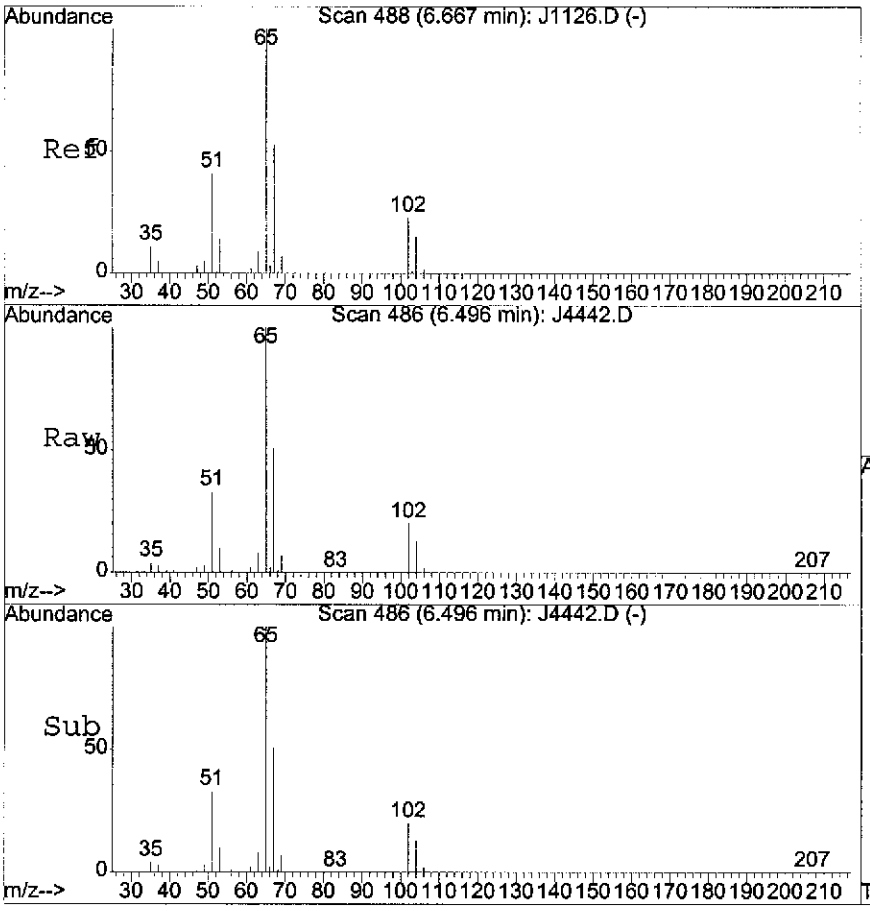


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.18 min Scan# 455
Delta R.T. 0.01 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion:168 Resp: 319985

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	53.2	62.4	93.6#
137	16.2	11.8	17.8

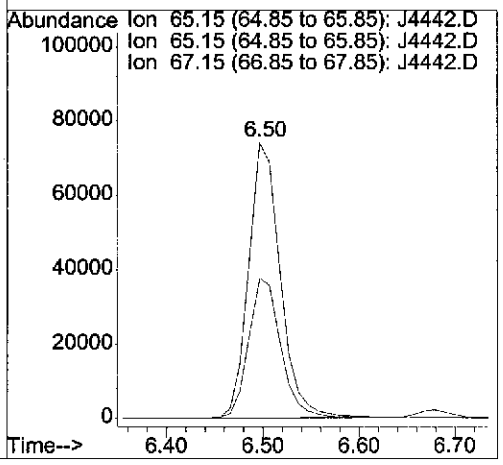


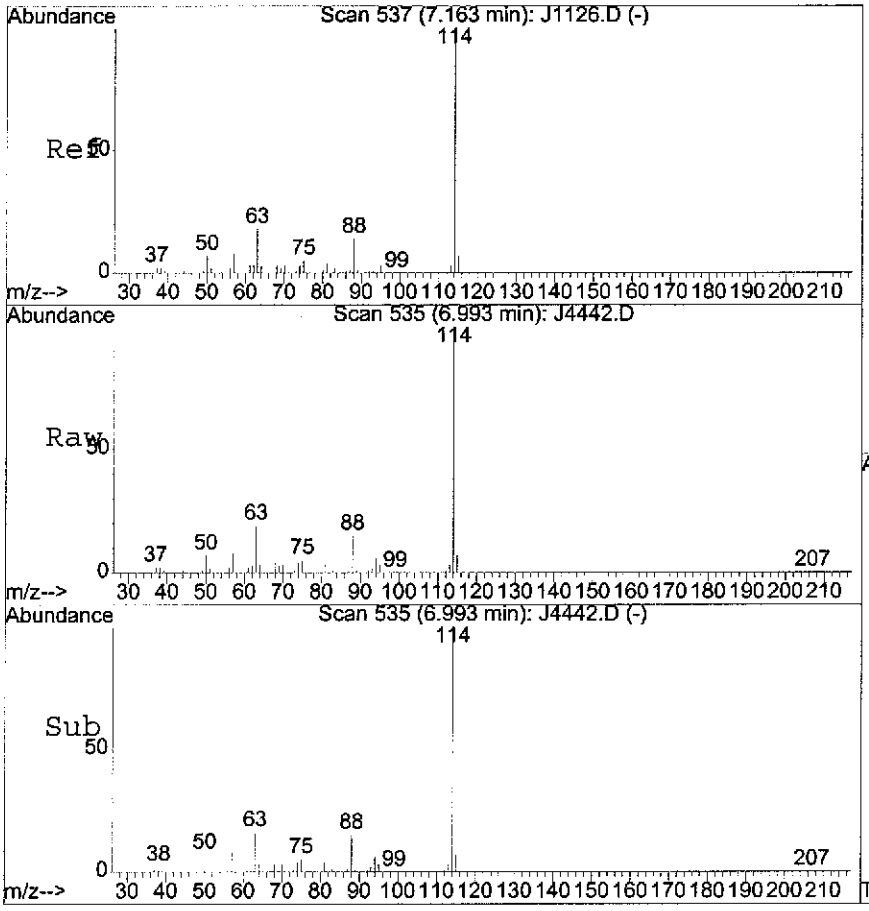


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.50 min Scan# 486
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion: 65 Resp: 169947

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	51.5	47.4	71.2

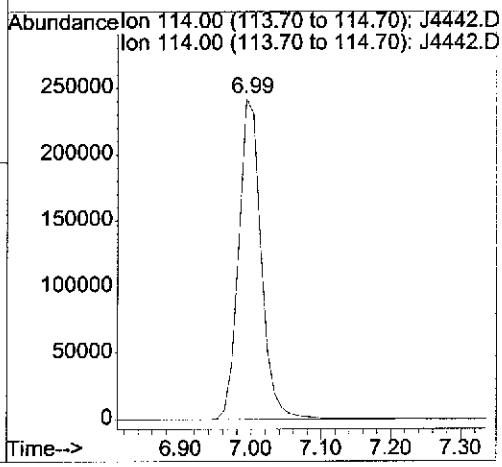


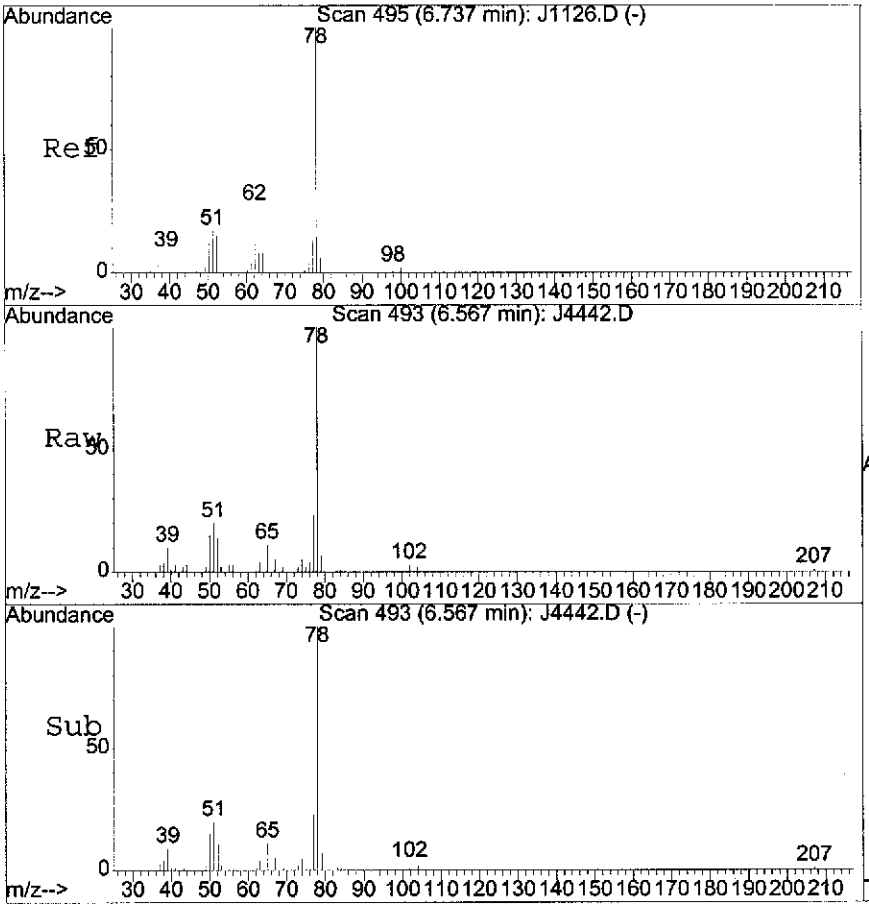


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion:114 Resp: 539941

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

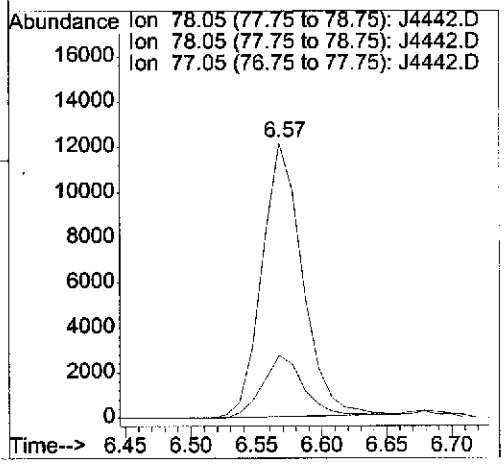


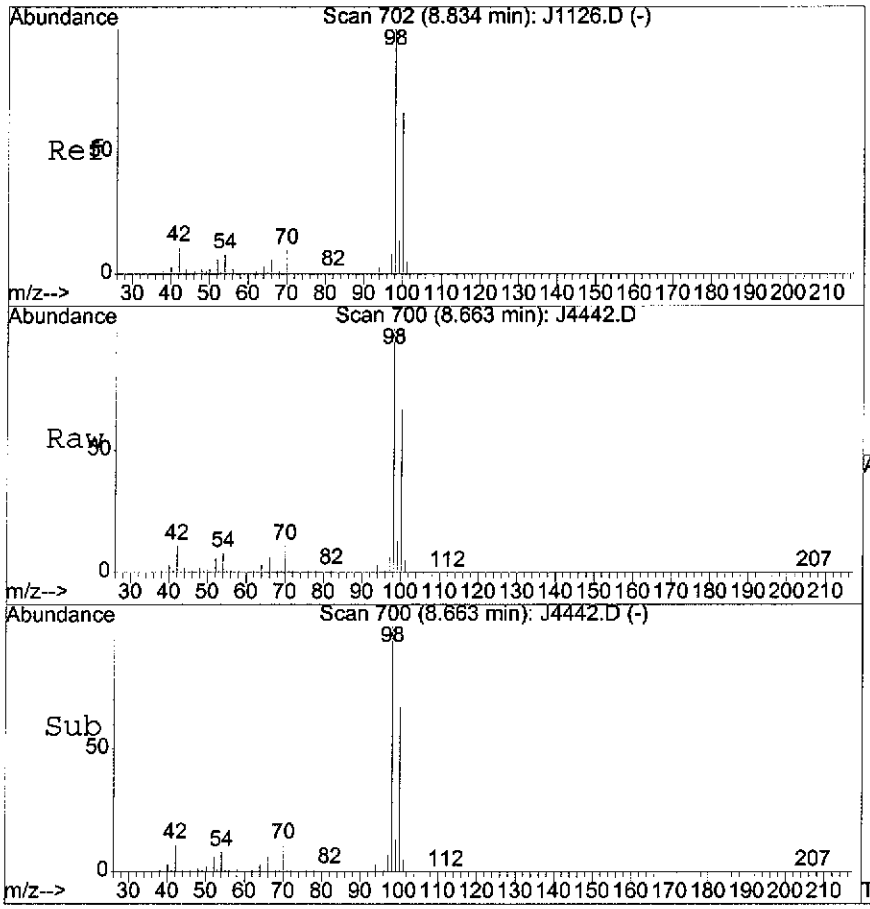


#32
Benzene
Concen: 1.71 UG
RT: 6.57 min Scan# 493
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion: 78 Resp: 26333

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	22.5	18.2	27.4

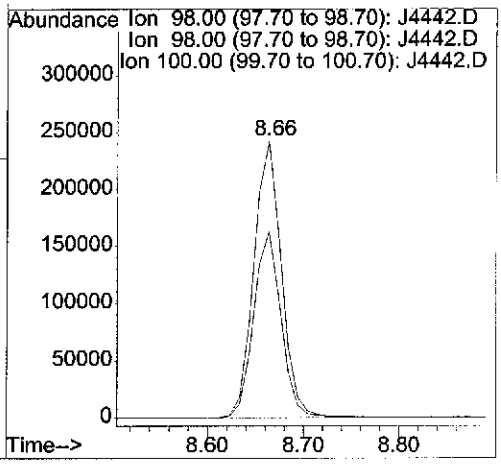


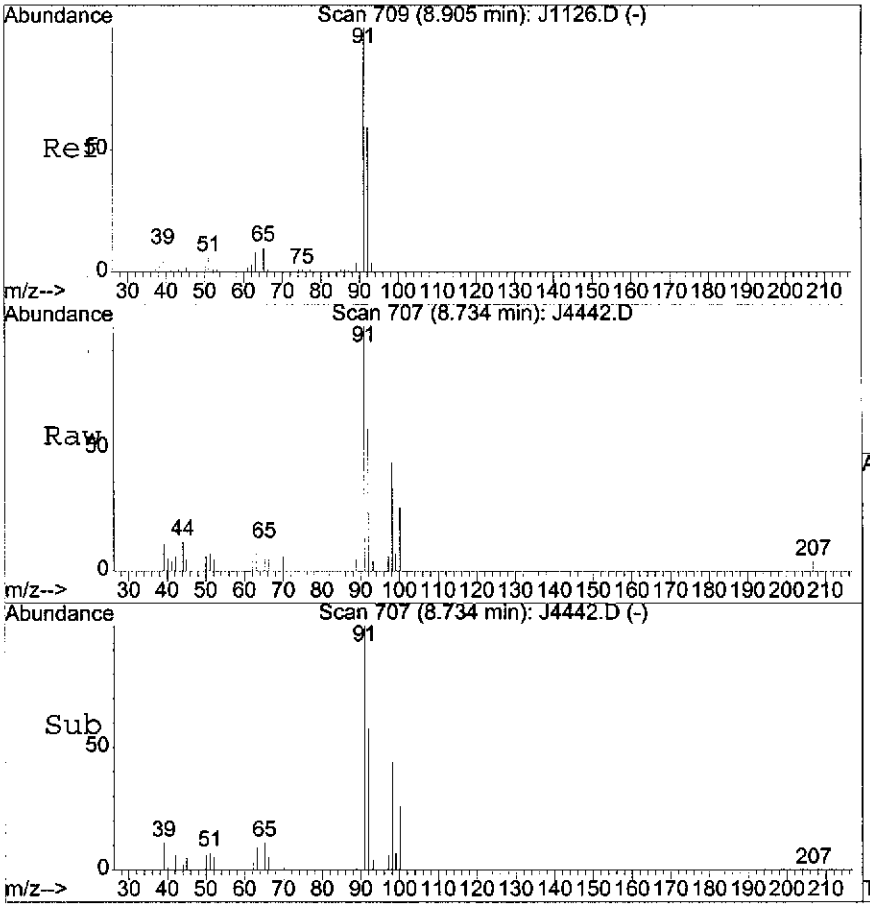


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion: 98 Resp: 482944

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	67.2	65.4	98.2

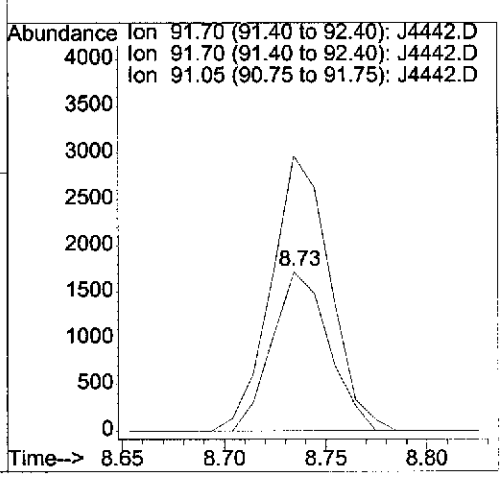


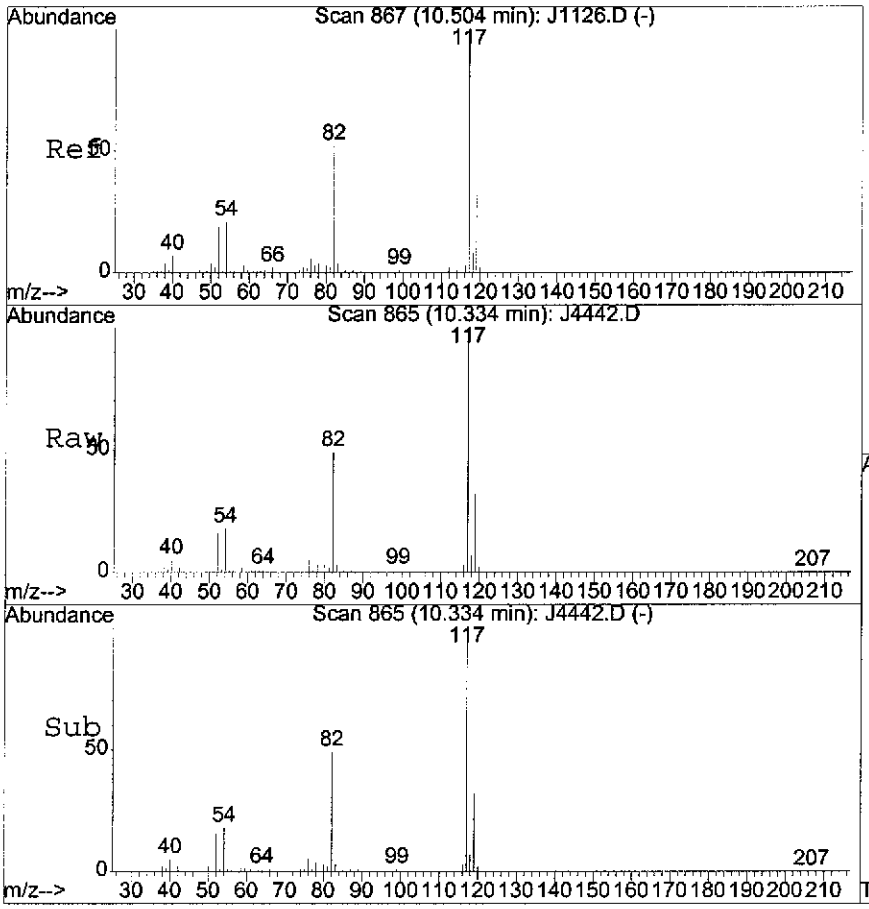


#42
Toluene
Concen: 0.33 UG
RT: 8.73 min Scan# 707
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion: 92 Resp: 3345

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
91	179.4	135.2	202.8

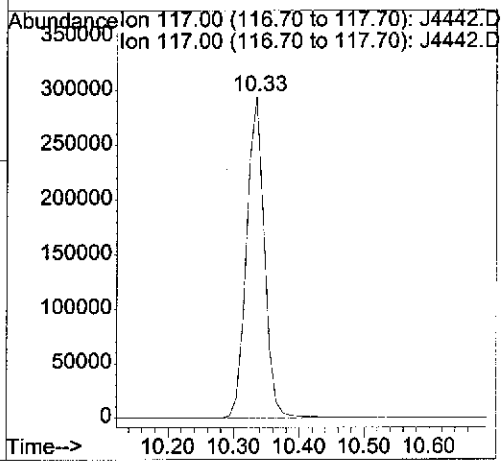


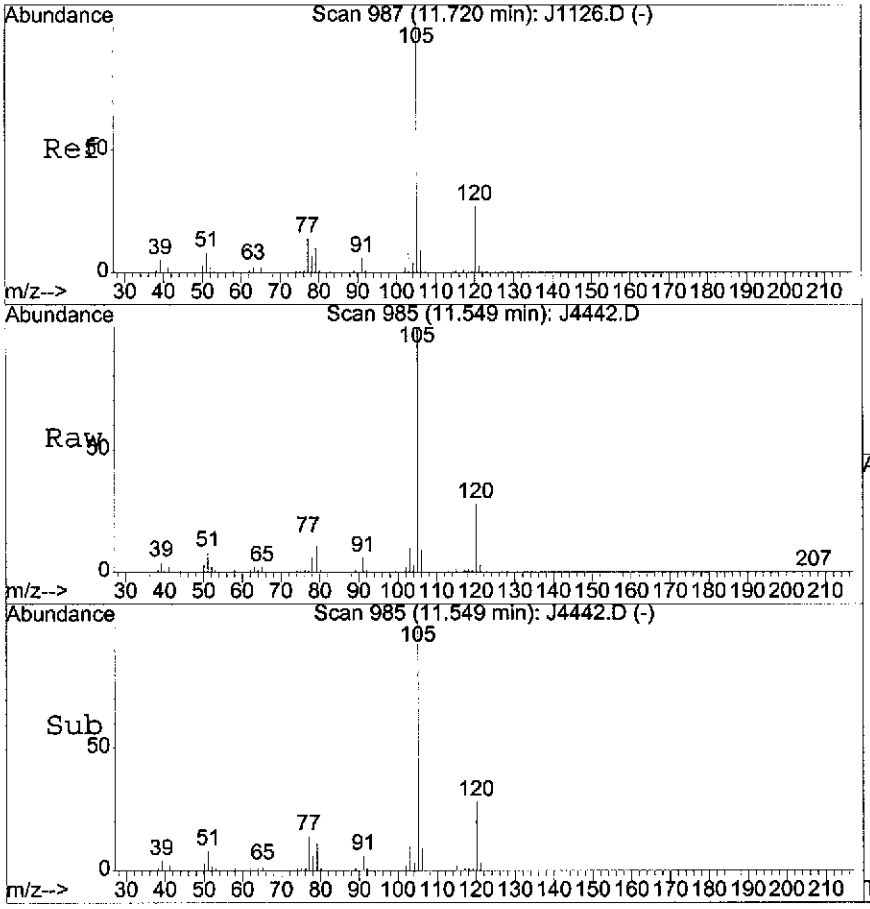


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion:117 Resp: 558835

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

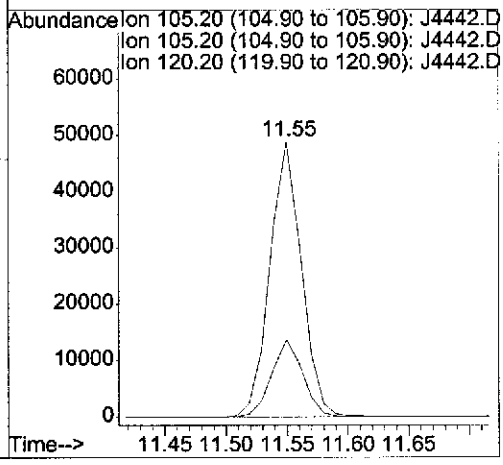


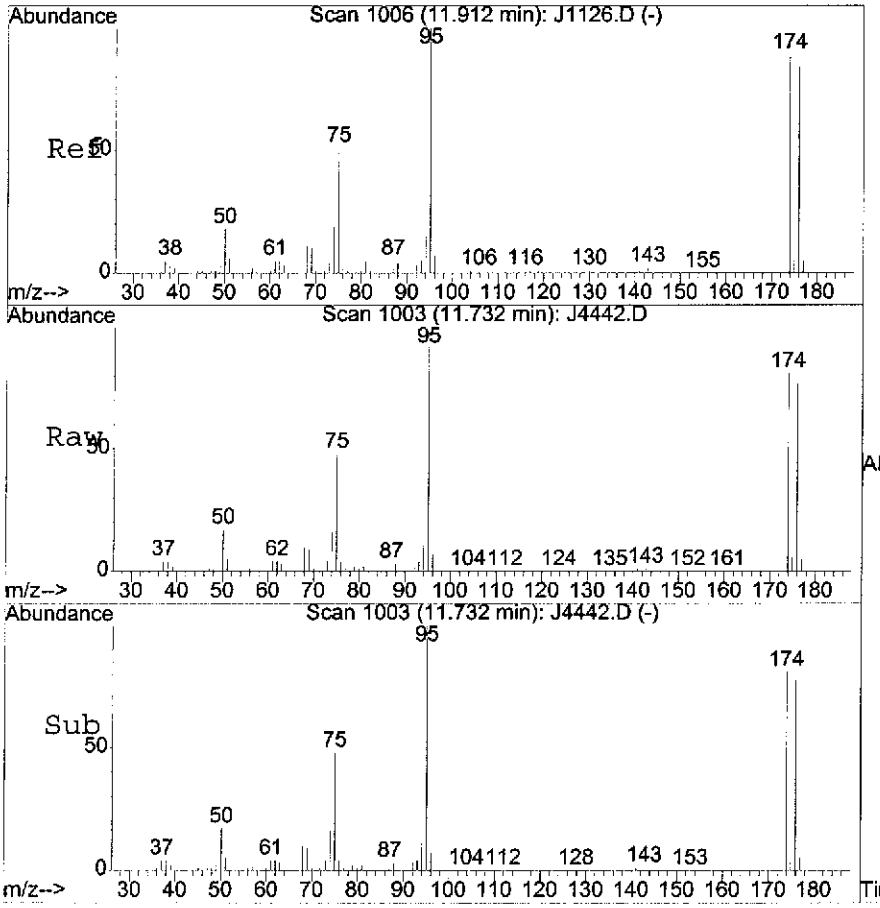


#58
Isopropylbenzene
Concen: 5.39 UG
RT: 11.55 min Scan# 985
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion:105 Resp: 87672

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	27.7	20.1	30.1

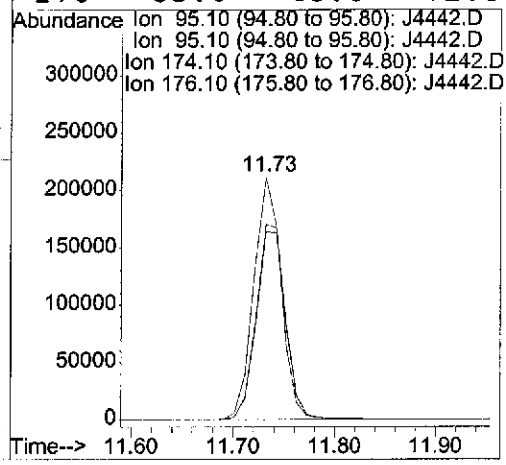


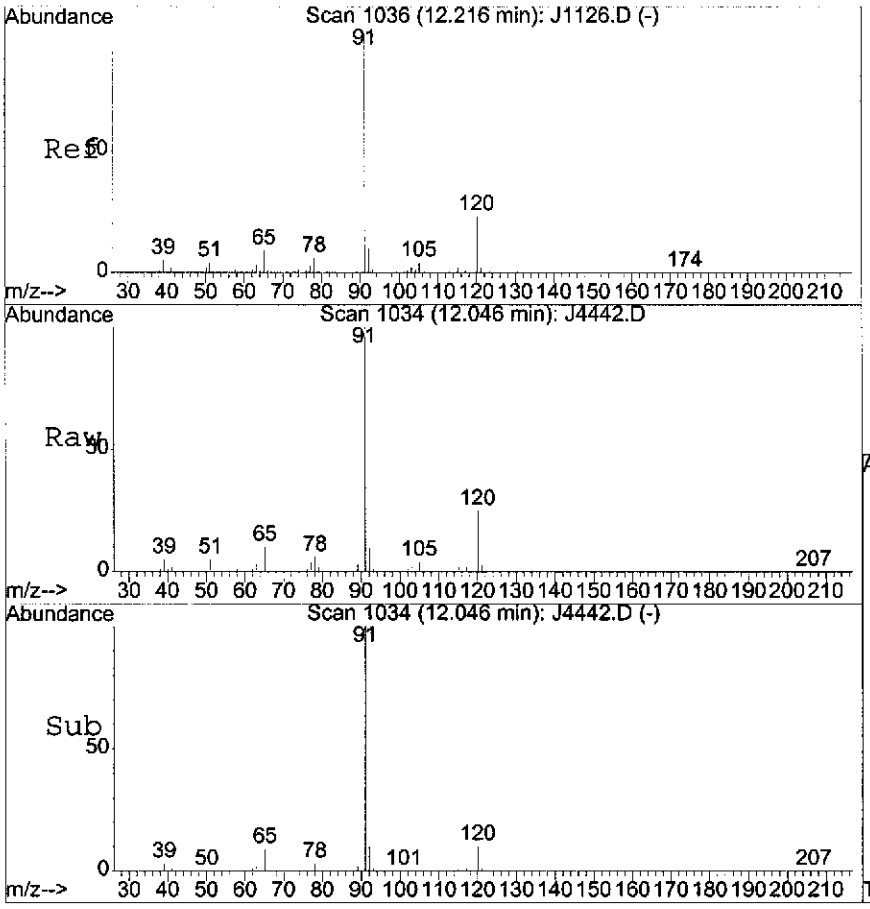


#59
Bromofluorobenzene
Concen: 5.39 UG
RT: 11.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion: 95 Resp: 394318

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.9	50.9	76.3#
176	83.0	48.6	72.8#

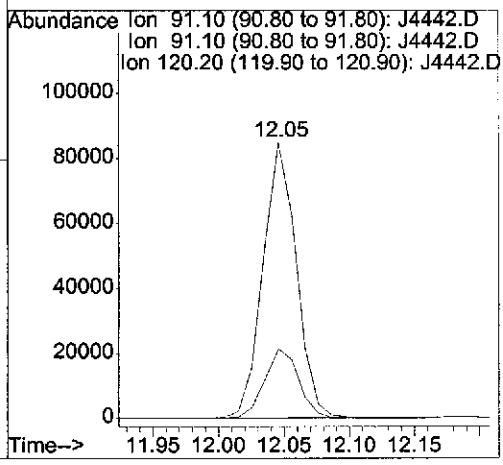


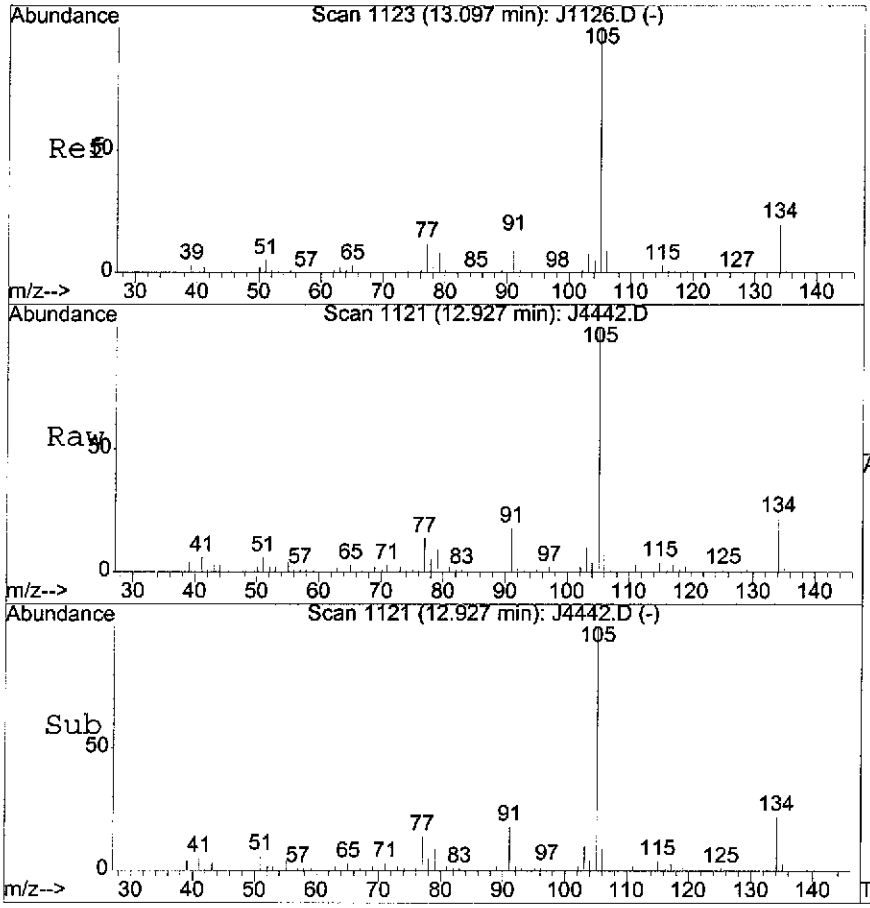


#63
n-Propylbenzene
Concen: 6.34 UG
RT: 12.05 min Scan# 1034
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion: 91 Resp: 150180

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
120	26.0	18.1	27.1

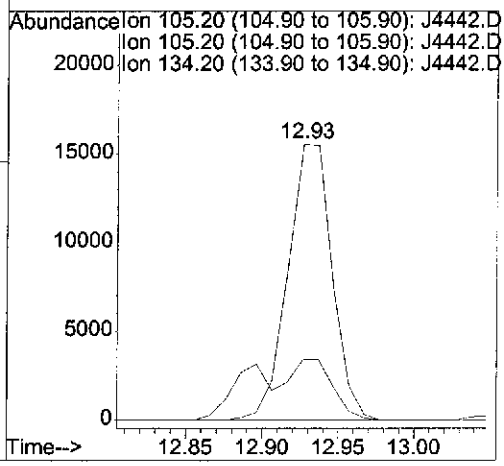


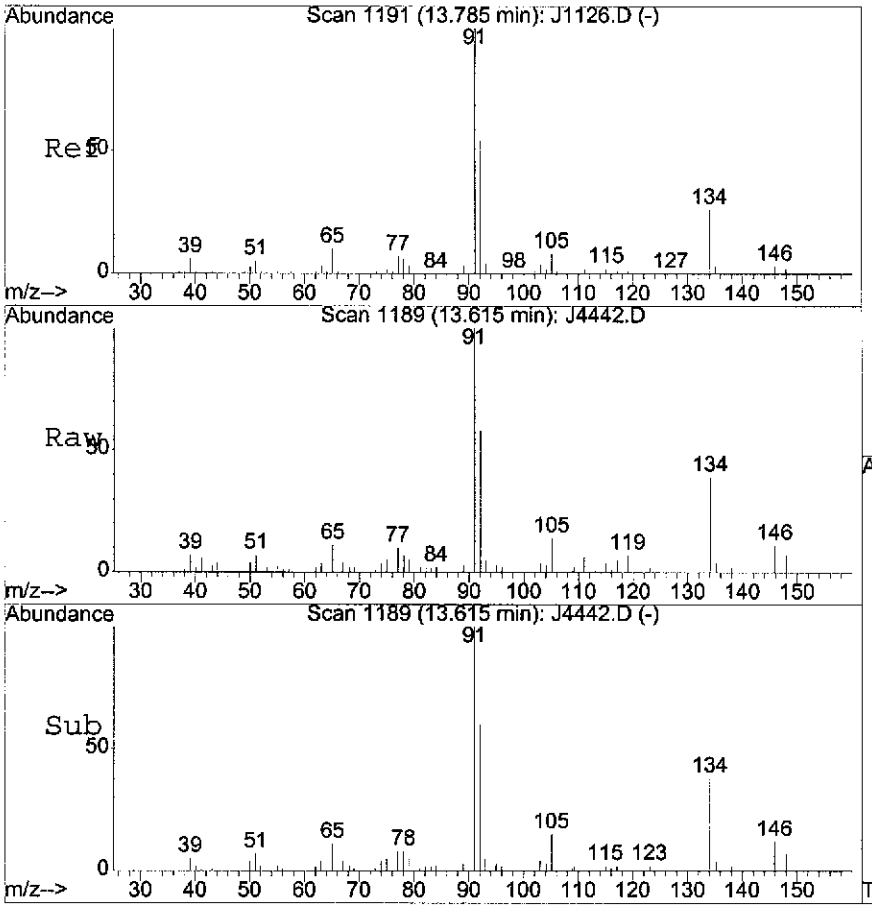


#69
sec-Butylbenzene
Concen: 1.43 UG
RT: 12.93 min Scan# 1121
Delta R.T. -0.01 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion:105 Resp: 31407

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
134	11.7	15.0	22.4#

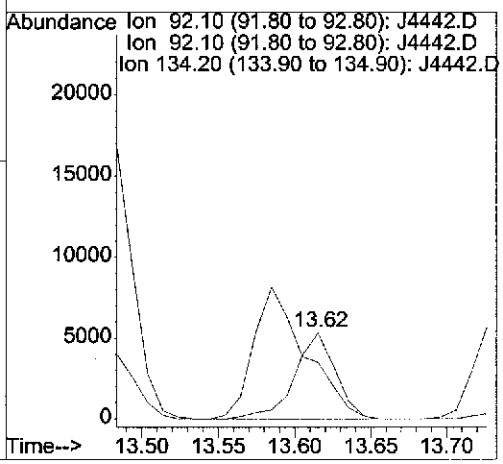


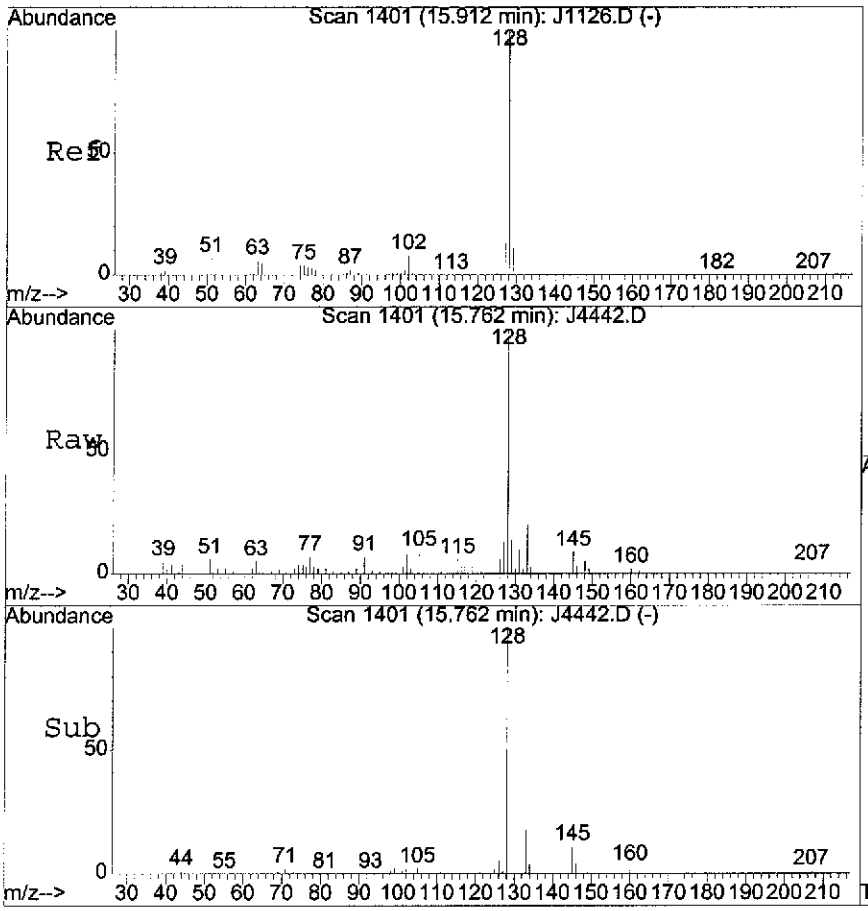


#73
n-Butylbenzene
Concen: 1.14 UG
RT: 13.62 min Scan# 1189
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion: 92 Resp: 9951

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
134	0.0	37.4	56.0#

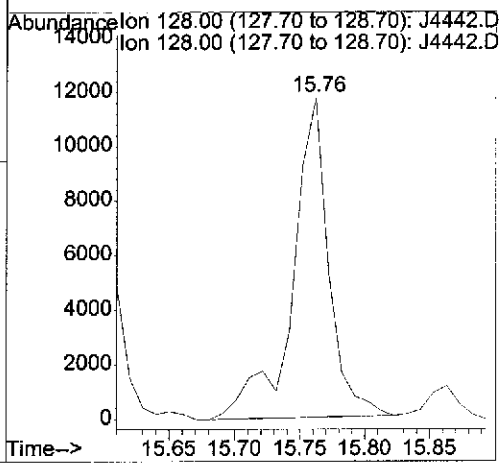




#78
Naphthalene
Concen: 1.18 UG
RT: 15.76 min Scan# 1401
Delta R.T. 0.00 min
Lab File: J4442.D
Acq: 8 Apr 2008 5:12 pm

Tgt Ion:128 Resp: 22904

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4443.D Vial: 17
Acq On : 8 Apr 2008 5:39 pm Operator: BINXU
Sample : MW-3,03767-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 16:59:07 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

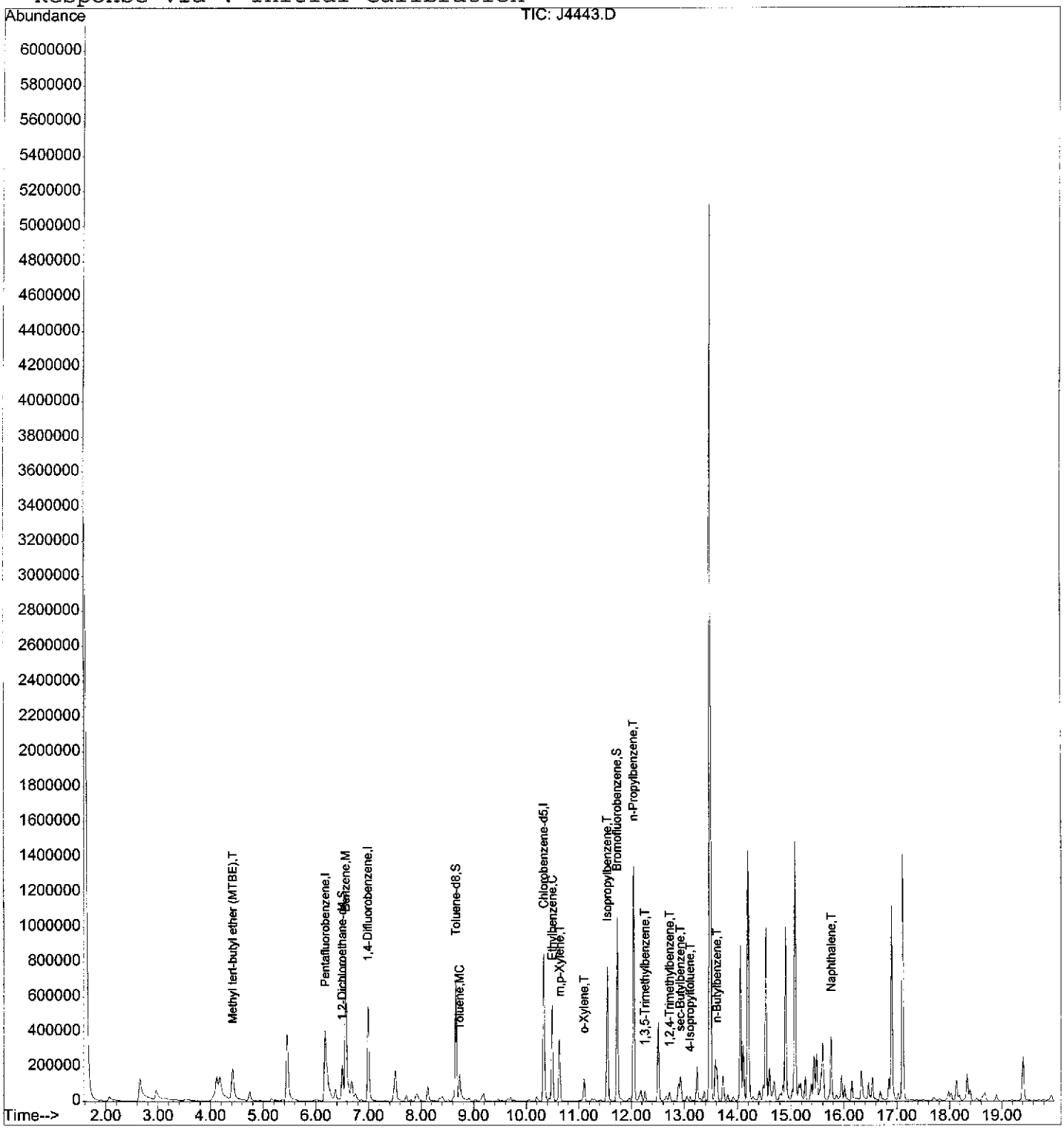
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	330522	50.00	UG		0.01
31) 1,4-Difluorobenzene	6.99	114	560387	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	580488	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.51	65	177625	46.41	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 92.82%				
41) Toluene-d8	8.66	98	507937	48.01	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 96.02%				
59) Bromofluorobenzene	11.73	95	415115	48.37	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.74%				
Target Compounds							Qvalue
17) Methyl tert-butyl ether (M	4.42	73	55350	5.54	UG		100
32) Benzene	6.57	78	867830	54.34	UG		100
42) Toluene	8.73	92	77177	7.43	UG		100
53) Ethylbenzene	10.50	91	443229	21.99	UG		99
54) m,p-Xylene	10.64	106	128888	15.88	UG		88
55) o-Xylene	11.10	106	43547	5.53	UG		90
58) Isopropylbenzene	11.55	105	606440	35.87	UG		99
63) n-Propylbenzene	12.05	91	1228467	49.91	UG		99
65) 1,3,5-Trimethylbenzene	12.26	105	35205	1.86	UG		97
68) 1,2,4-Trimethylbenzene	12.72	105	36214	1.78	UG		98
69) sec-Butylbenzene	12.93	105	114771	5.04	UG	#	97
71) 4-Isopropyltoluene	13.11	119	11896	0.59	UG	#	89
73) n-Butylbenzene	13.62	92	63645	6.99	UG	#	78
78) Naphthalene	15.76	128	292473	14.46	UG		100

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

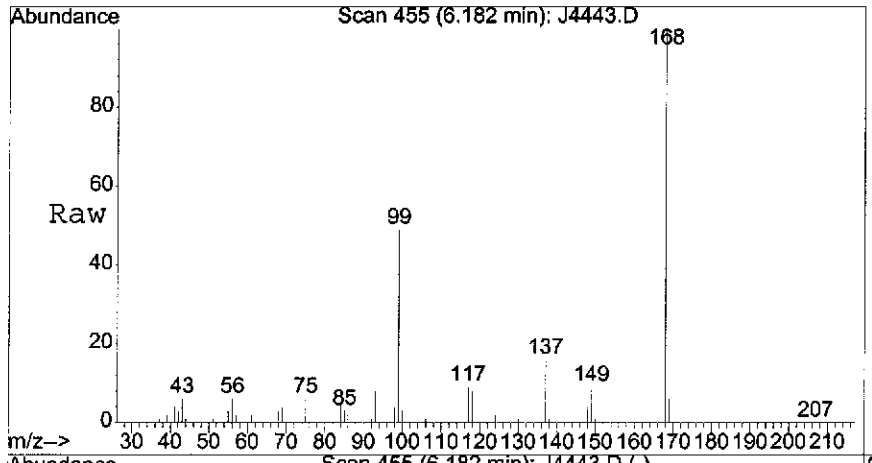
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4443.D Vial: 17
Acq On : 8 Apr 2008 5:39 pm Operator: BINXU
Sample : MW-3,03767-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:30 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



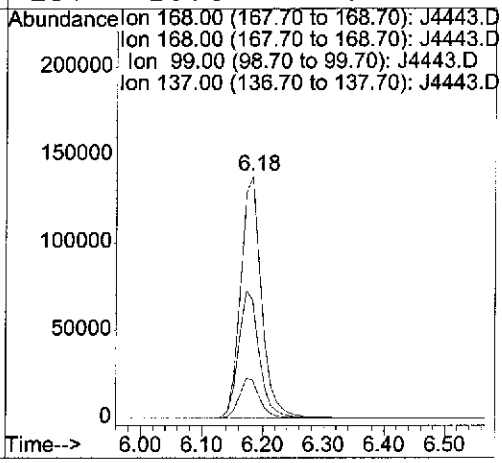
0065

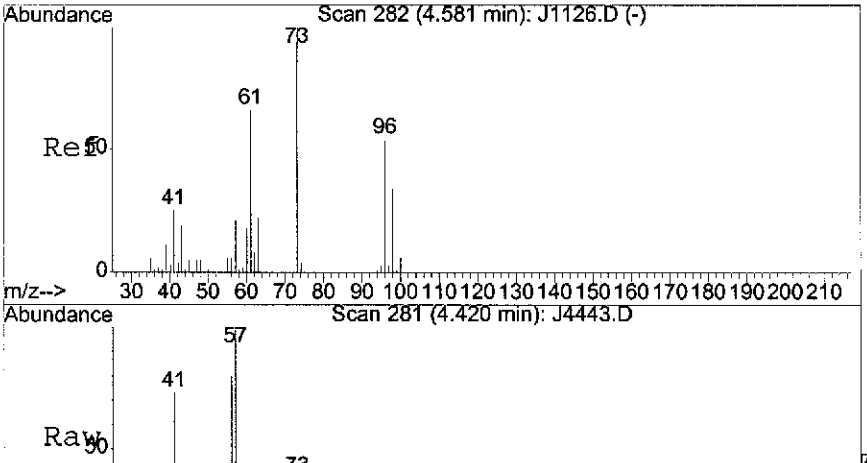


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.18 min Scan# 455
Delta R.T. 0.01 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:168 Resp: 330522

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	52.7	62.4	93.6#
137	16.4	11.8	17.8

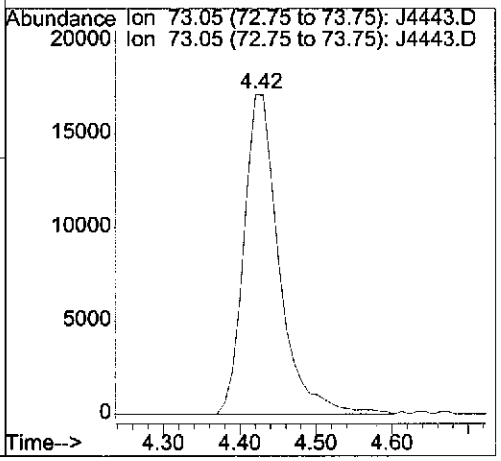


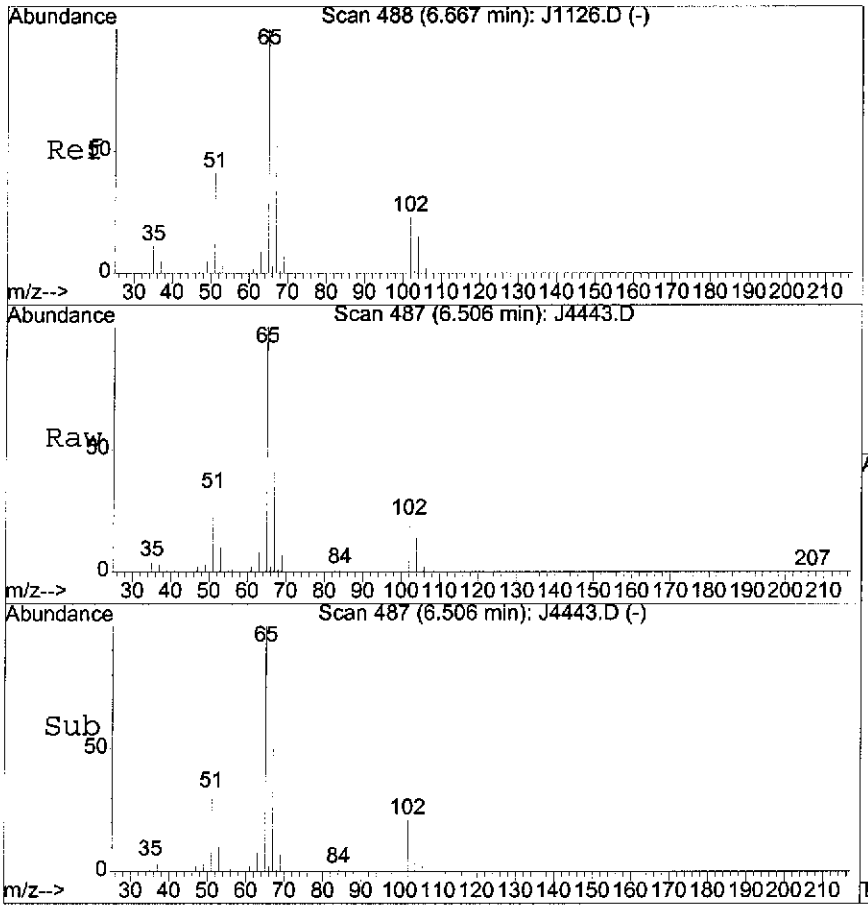


#17
Methyl tert-butyl ether (MTBE
Concen: 5.54 UG
RT: 4.42 min Scan# 281
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 73 Resp: 55350

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0

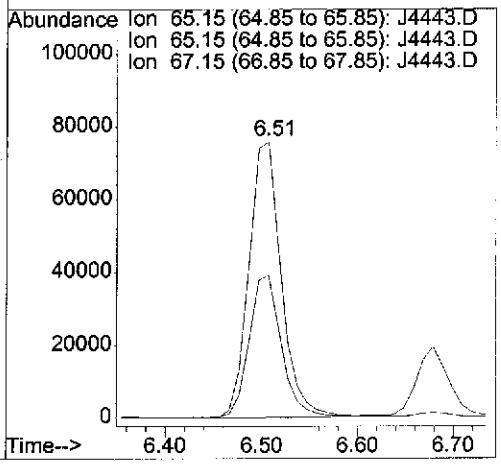


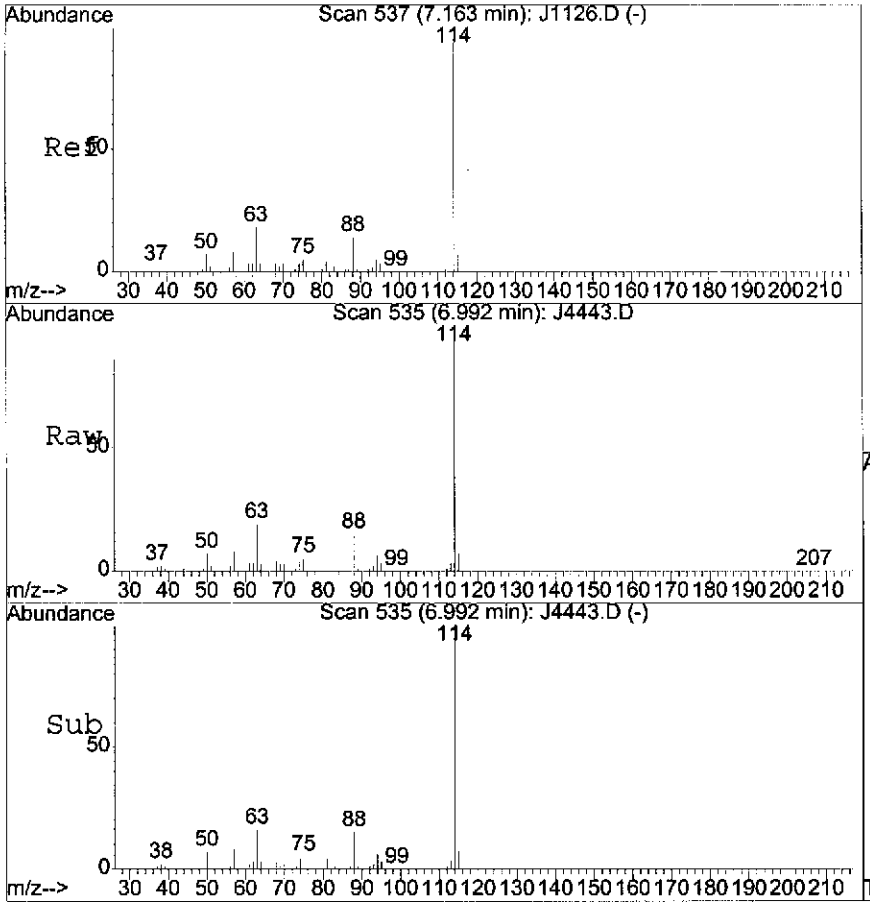


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.51 min Scan# 487
Delta R.T. 0.01 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 65 Resp: 177625

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	50.9	47.4	71.2

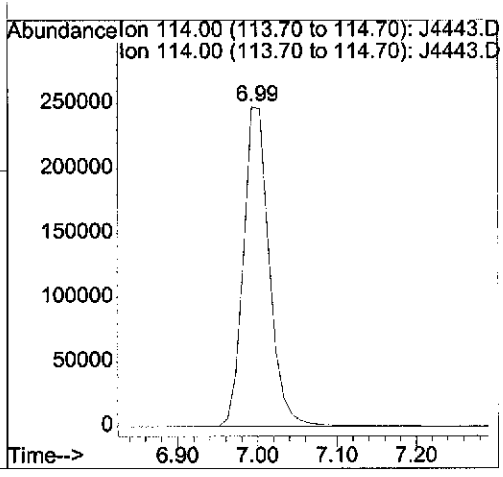


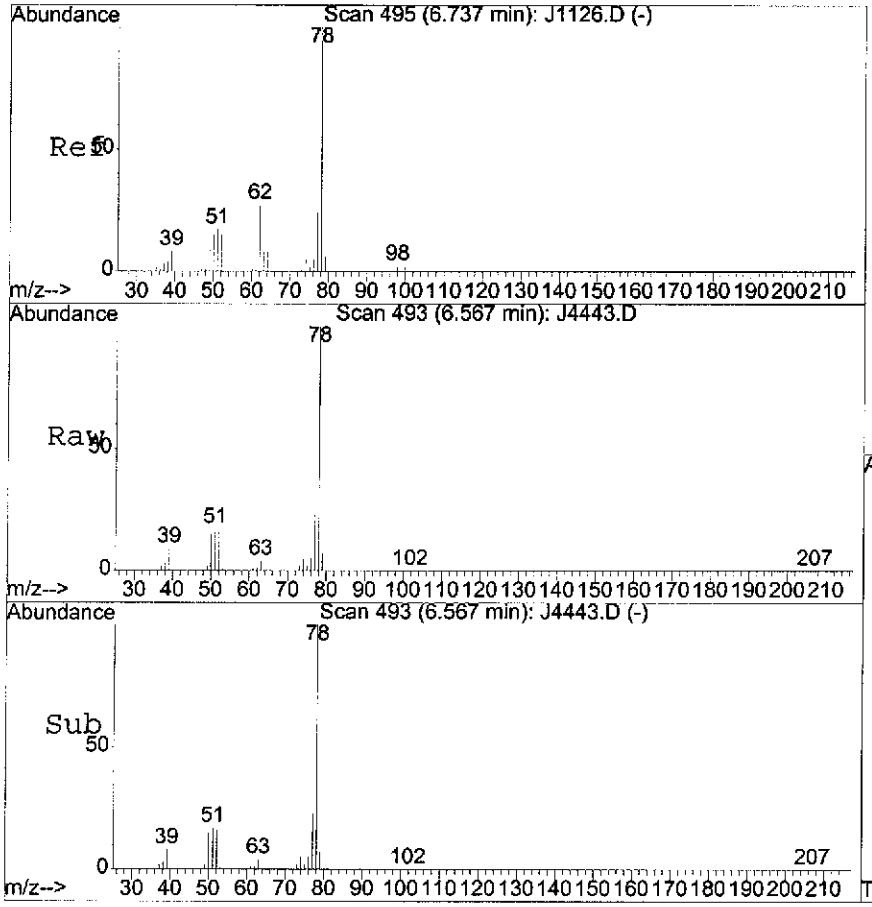


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:114 Resp: 560387

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

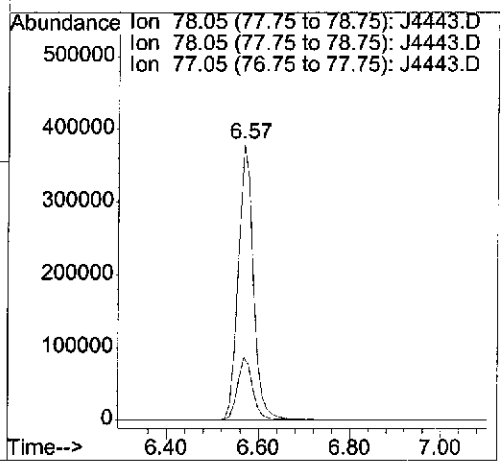


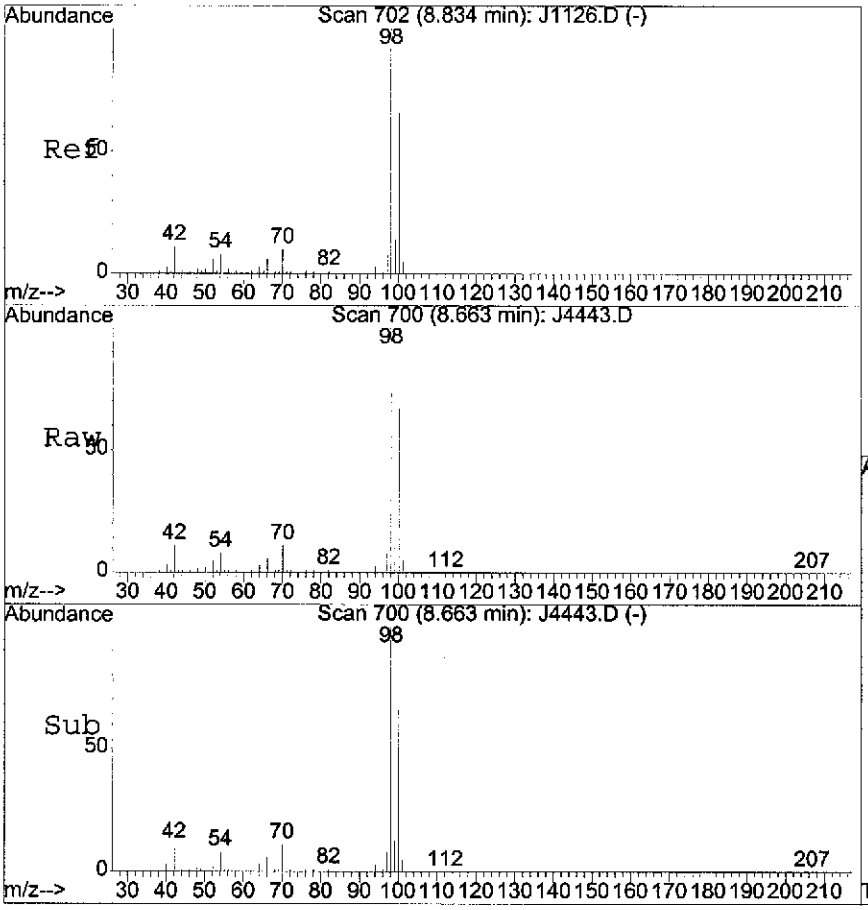


#32
Benzene
Concen: 54.34 UG
RT: 6.57 min Scan# 493
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 78 Resp: 867830

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	22.3	18.2	27.4

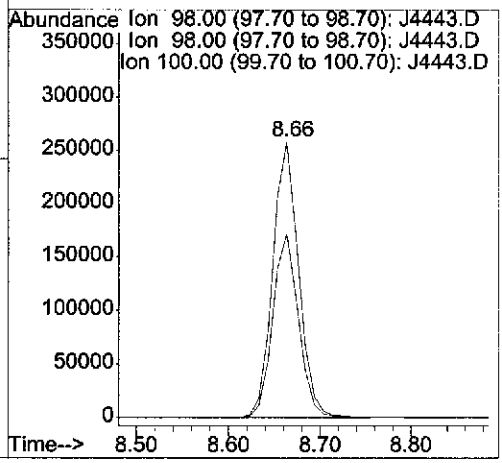


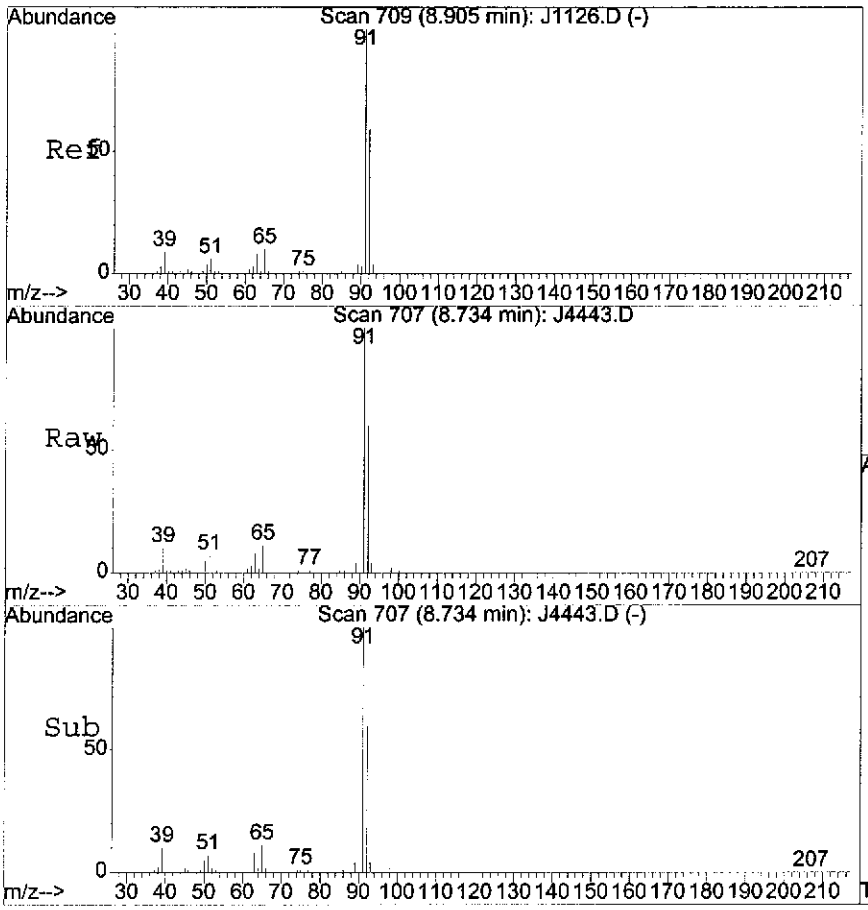


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 98 Resp: 507937

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.6	65.4	98.2

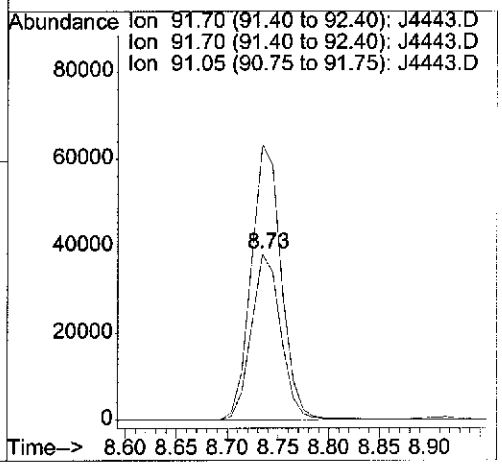


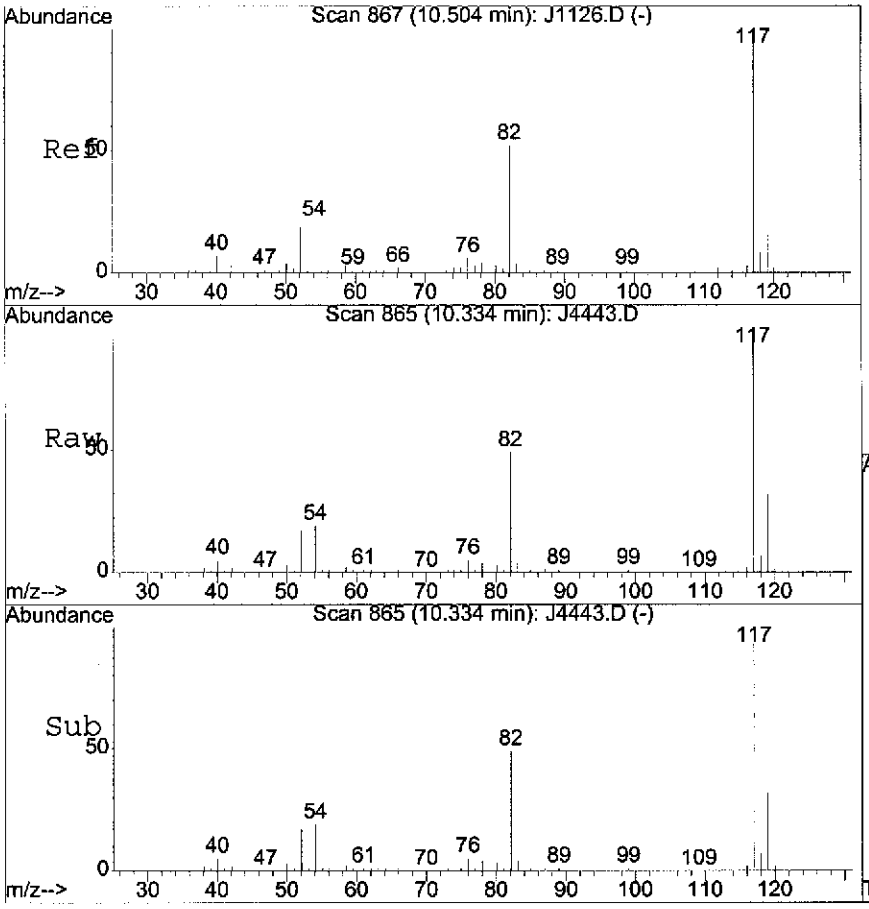


#42
Toluene
Concen: 7.43 UG
RT: 8.73 min Scan# 707
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 92 Resp: 77177

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
91	168.4	135.2	202.8

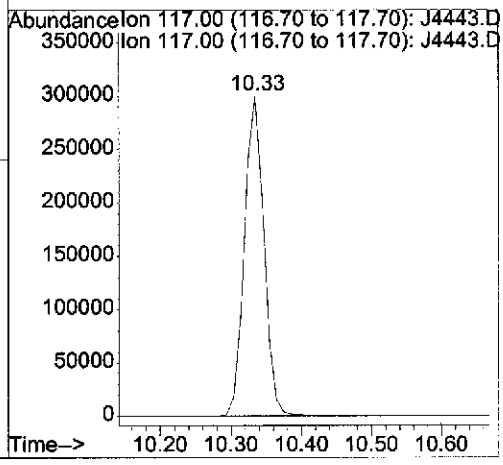


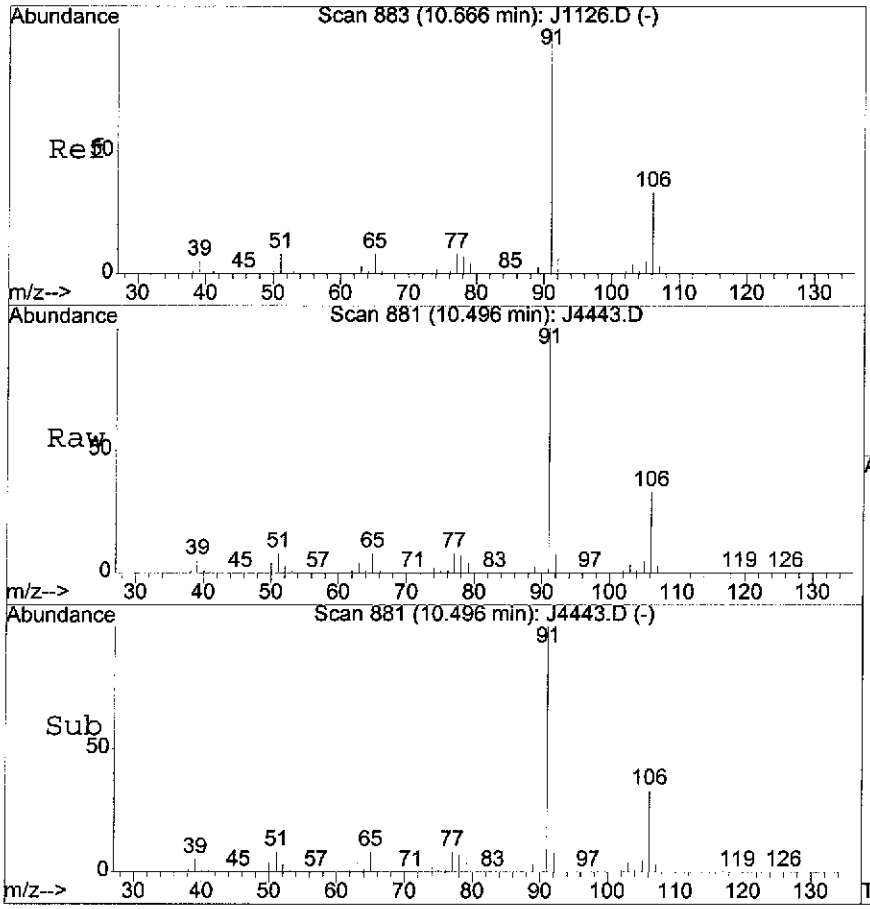


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:117 Resp: 580488

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

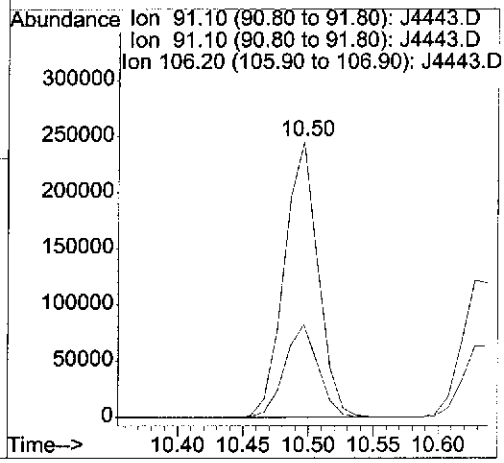


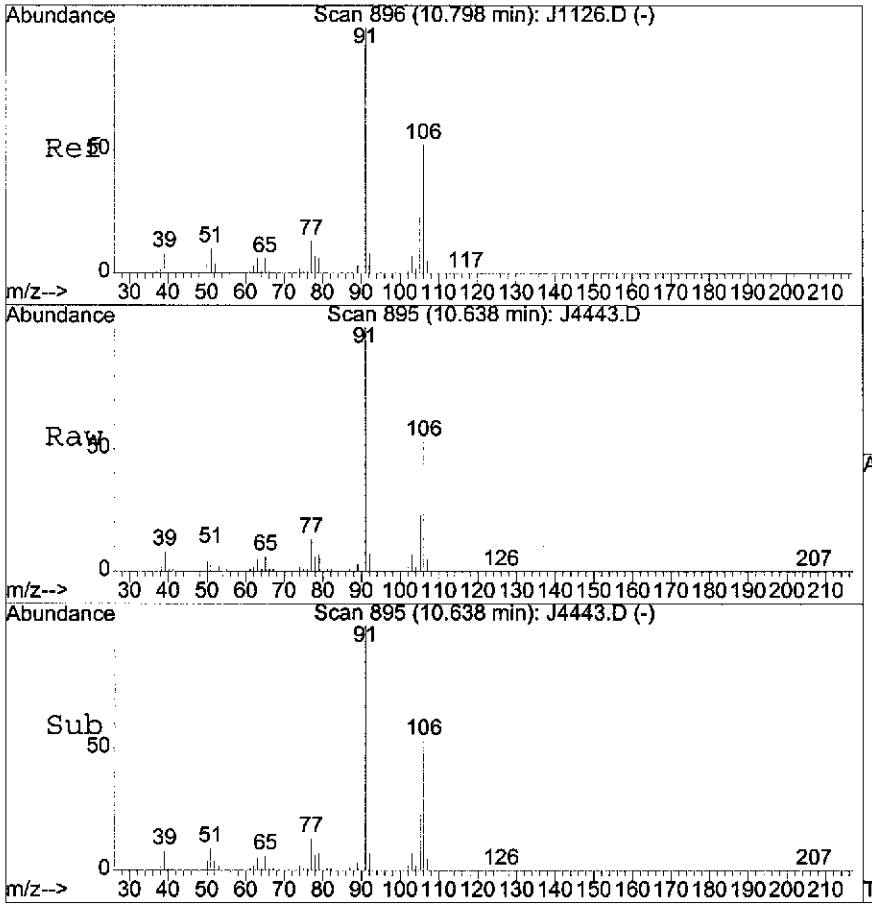


#53
Ethylbenzene
Concen: 21.99 UG
RT: 10.50 min Scan# 881
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 91 Resp: 443229

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	33.3	23.8	35.8

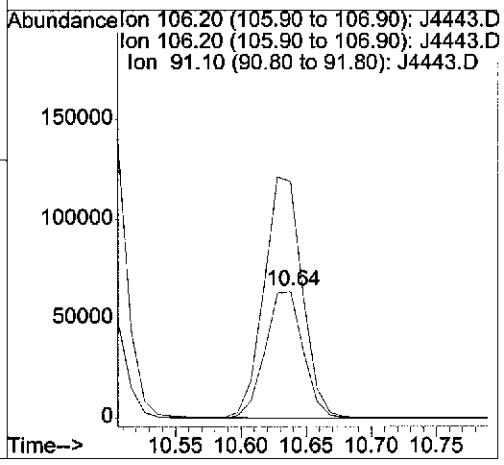


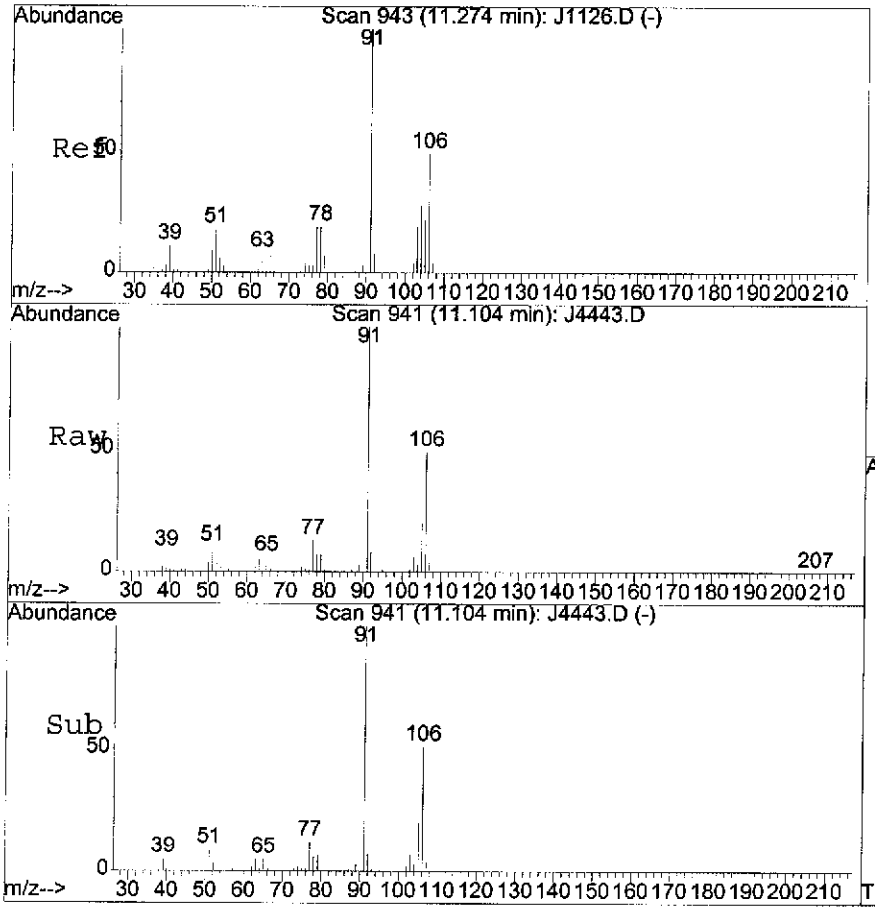


#54
m,p-Xylene
Concen: 15.88 UG
RT: 10.64 min Scan# 895
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:106 Resp: 128888

Ion	Ratio	Lower	Upper
106	100		
106	100.0	80.0	120.0
91	190.4	175.6	263.4

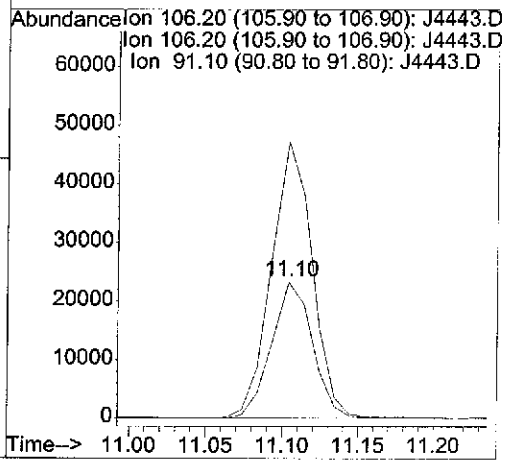


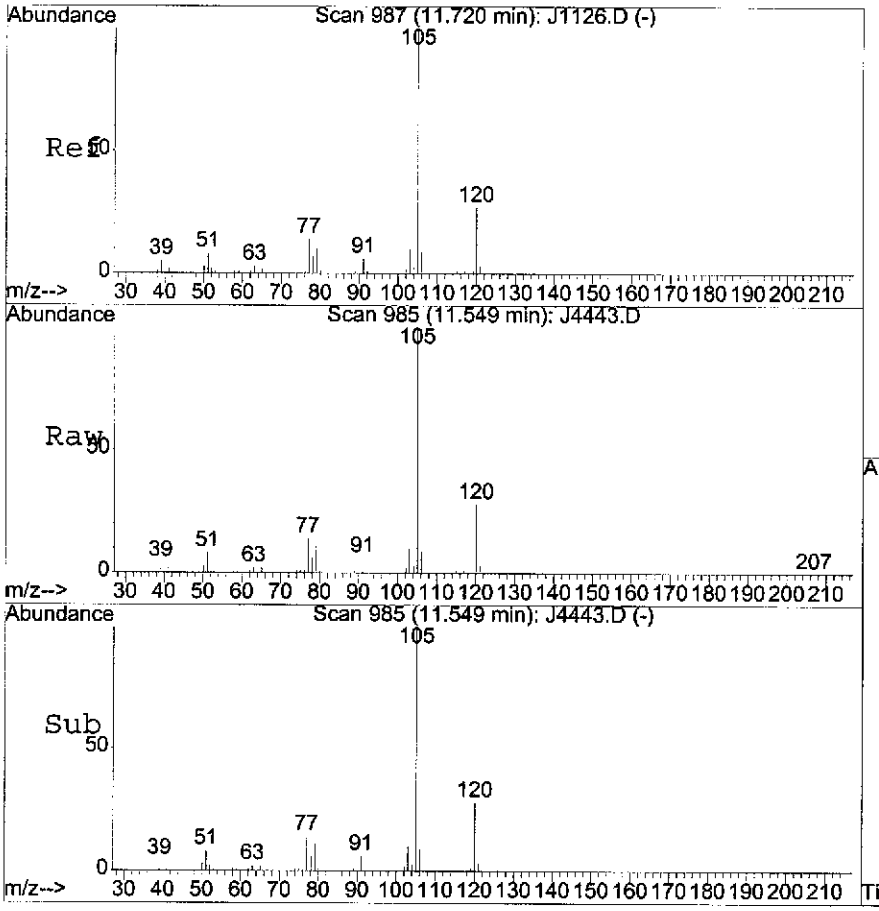


#55
o-Xylene
Concen: 5.53 UG
RT: 11.10 min Scan# 941
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:106 Resp: 43547

Ion	Ratio	Lower	Upper
106	100		
106	100.0	80.0	120.0
91	202.4	180.9	271.3

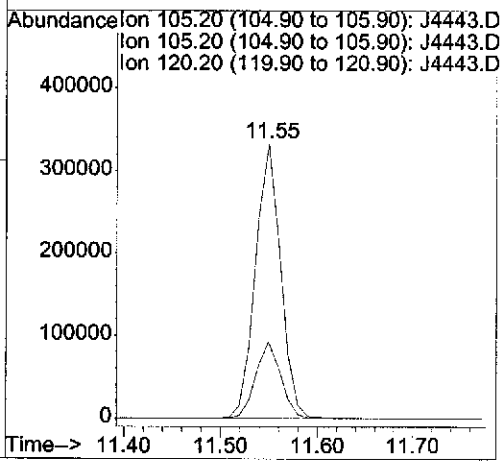


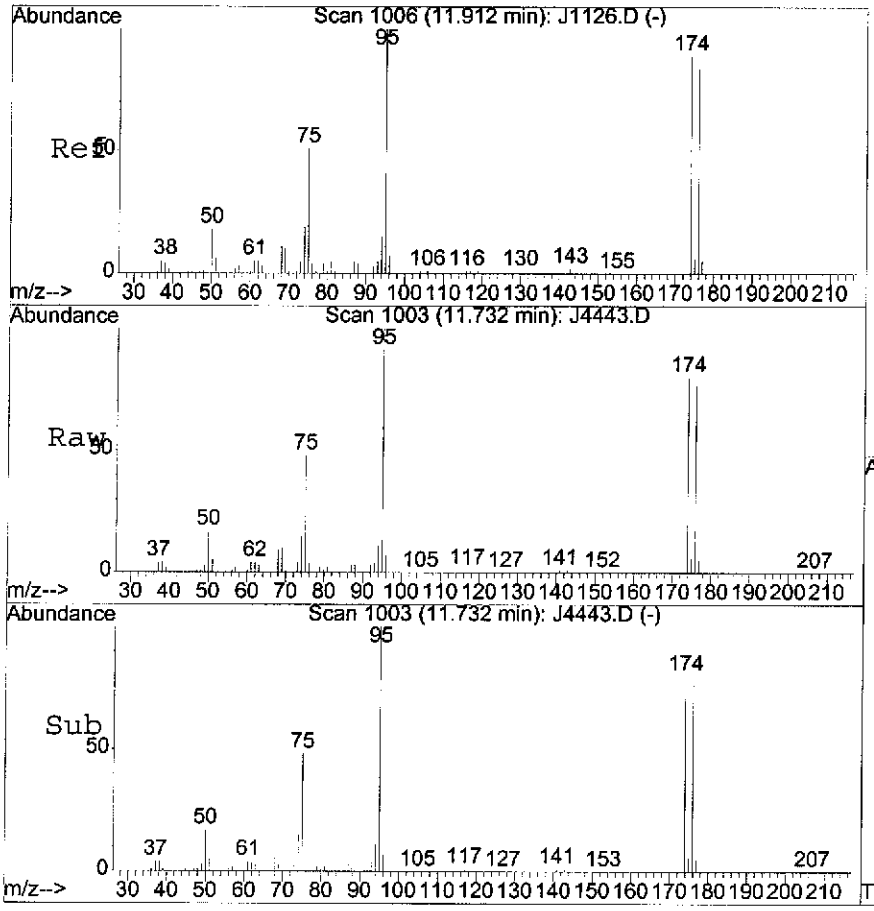


#58
Isopropylbenzene
Concen: 35.87 UG
RT: 11.55 min Scan# 985
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:105 Resp: 606440

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	27.6	20.1	30.1

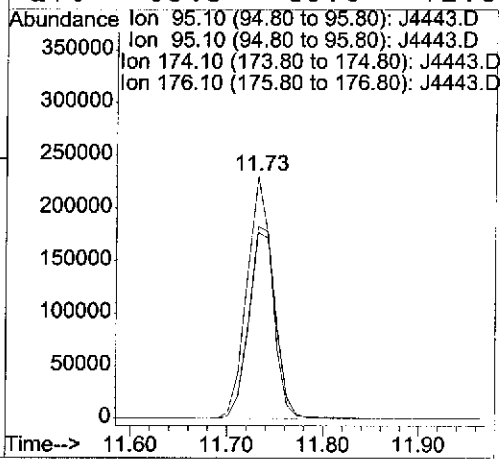


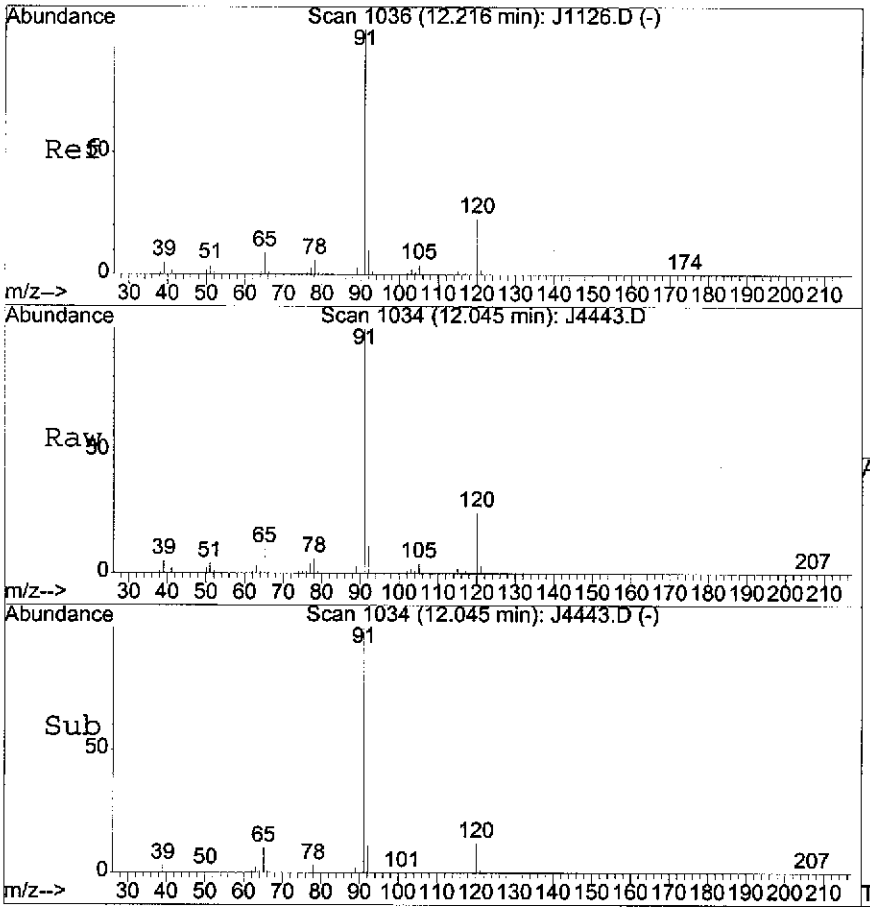


#59
Bromofluorobenzene
Concen: 35.87 UG
RT: 11.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 95 Resp: 415115

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	86.1	50.9	76.3#
176	83.3	48.6	72.8#

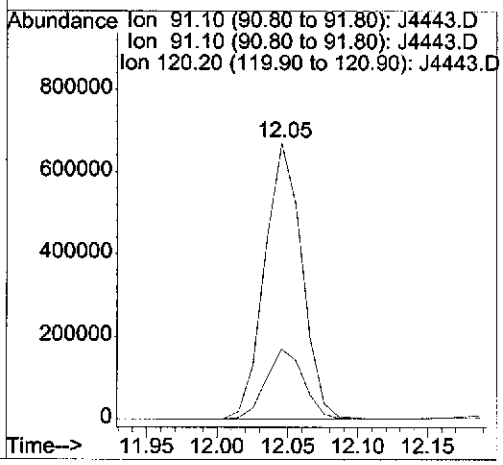


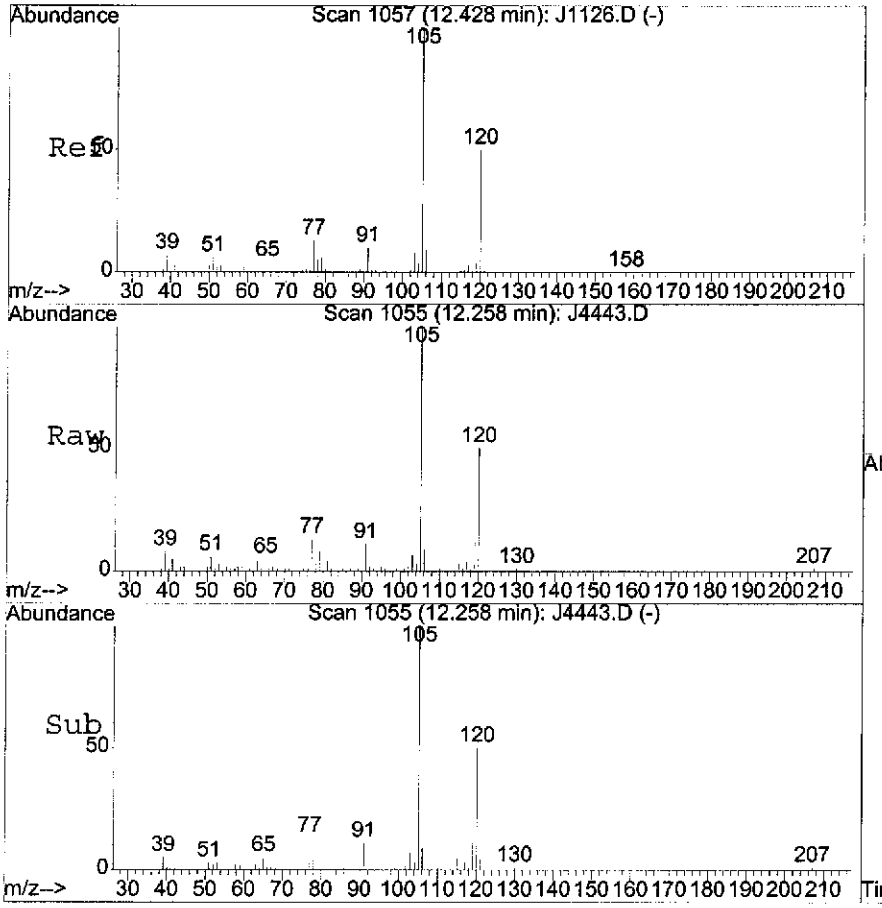


#63
n-Propylbenzene
Concen: 49.91 UG
RT: 12.05 min Scan# 1034
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 91 Resp: 1228467

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
120	25.6	18.1	27.1

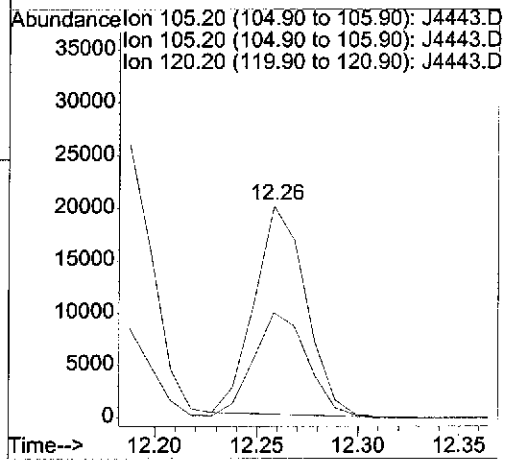


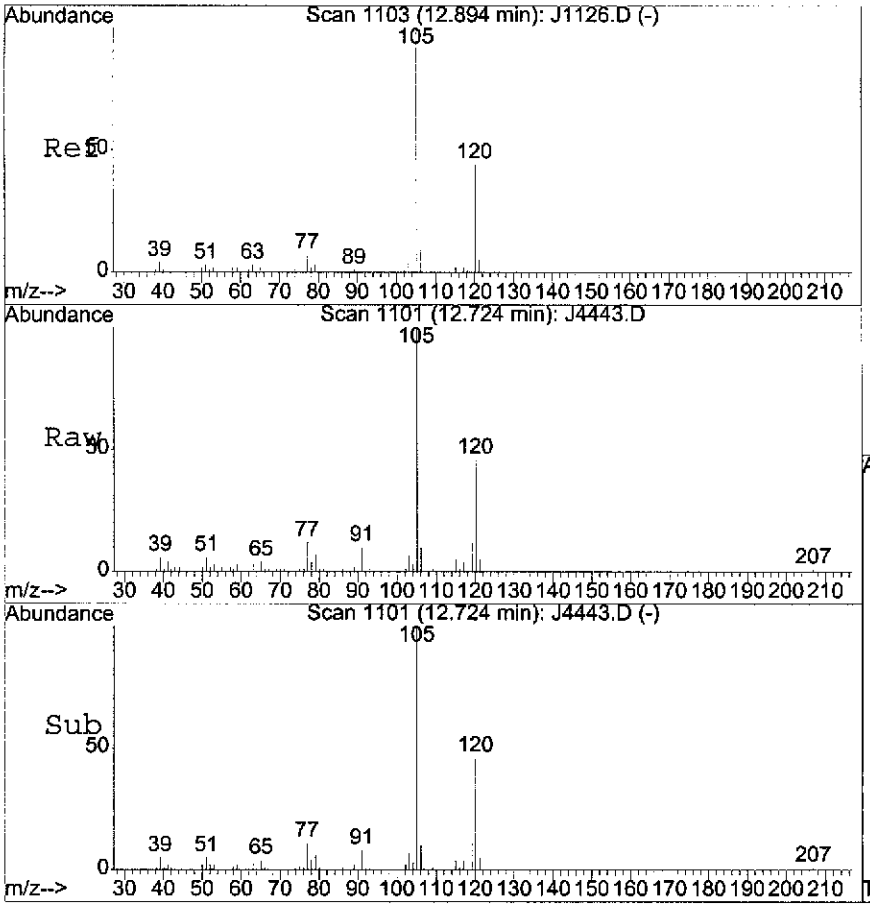


#65
1,3,5-Trimethylbenzene
Concen: 1.86 UG
RT: 12.26 min Scan# 1055
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:105 Resp: 35205

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	52.0	36.6	55.0

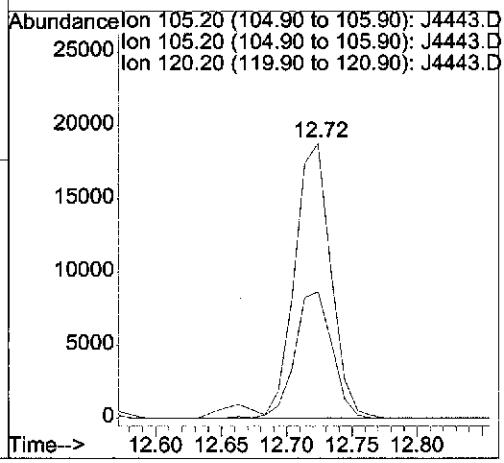


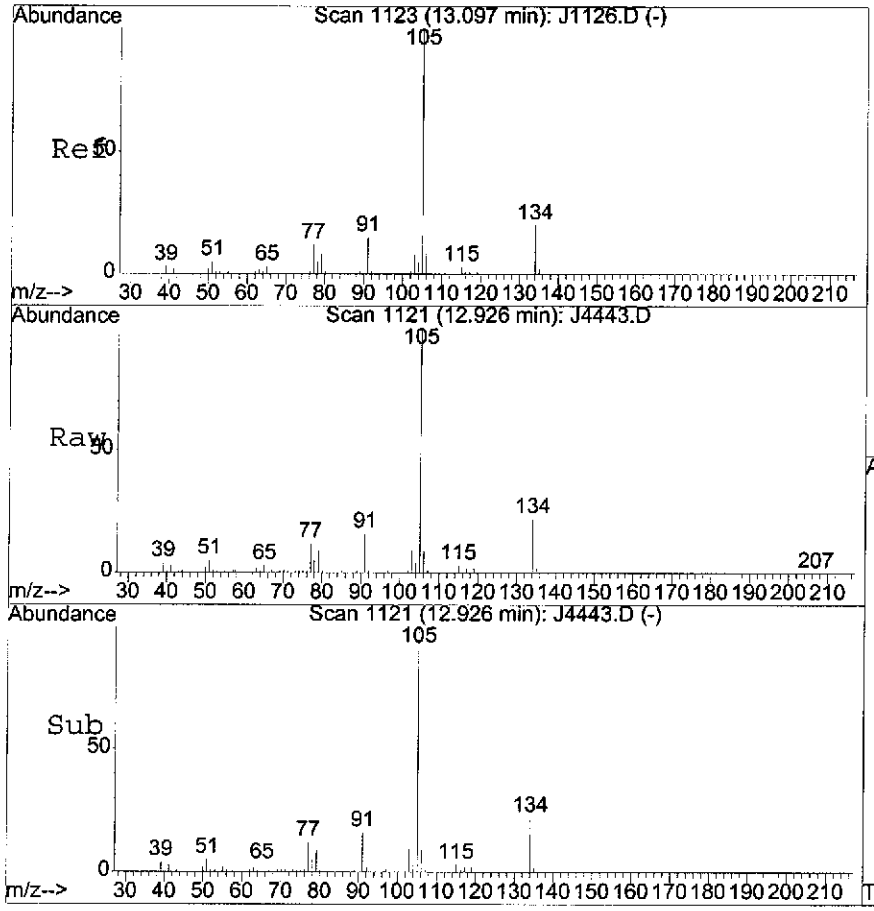


#68
1,2,4-Trimethylbenzene
Concen: 1.78 UG
RT: 12.72 min Scan# 1101
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:105 Resp: 36214

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	45.2	33.4	50.0

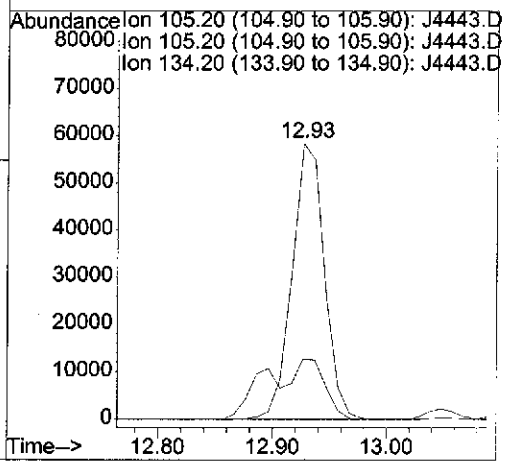


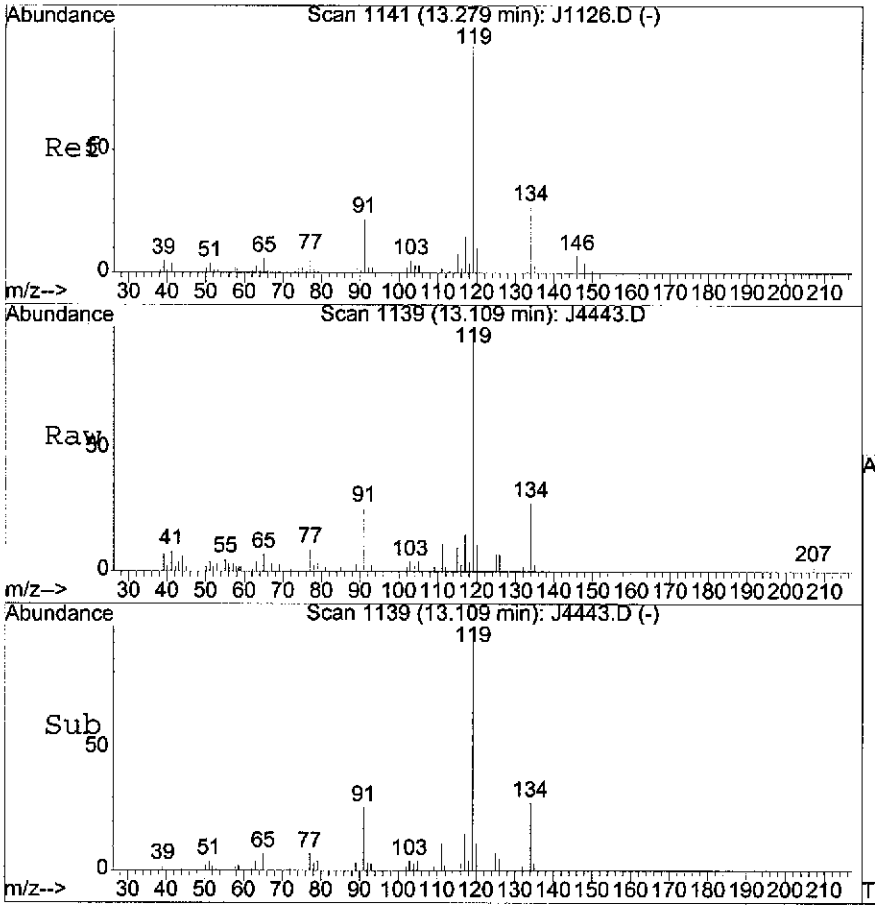


#69
sec-Butylbenzene
Concen: 5.04 UG
RT: 12.93 min Scan# 1121
Delta R.T. -0.01 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:105 Resp: 114771

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
134	11.1	15.0	22.4#

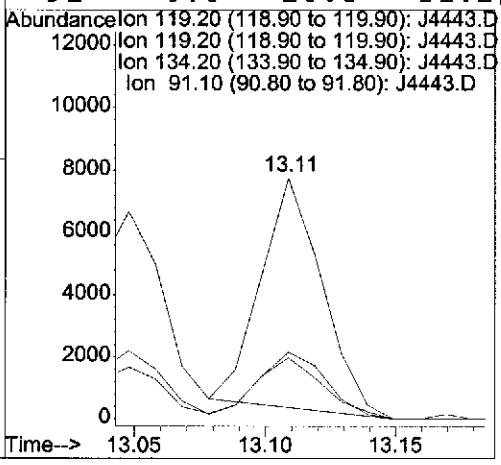


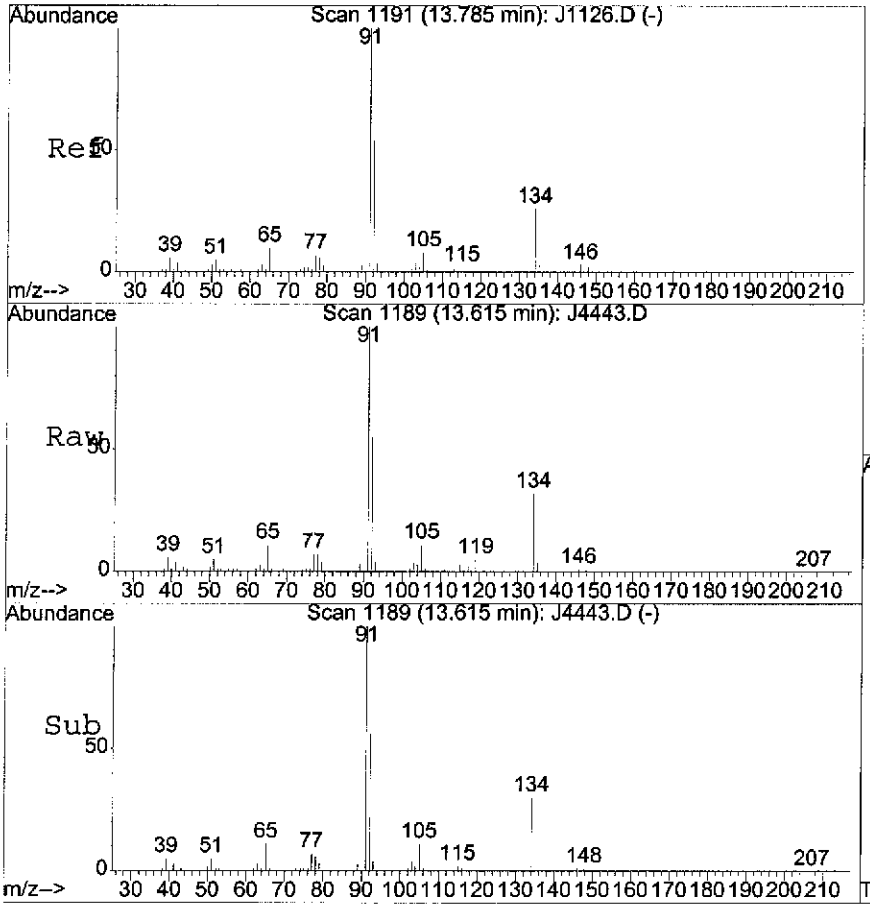


#71
4-Isopropyltoluene
Concen: 0.59 UG
RT: 13.11 min Scan# 1139
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:119 Resp: 11896

Ion	Ratio	Lower	Upper
119	100		
119	100.0	80.0	120.0
134	30.3	20.0	30.0#
91	0.0	20.8	31.2#

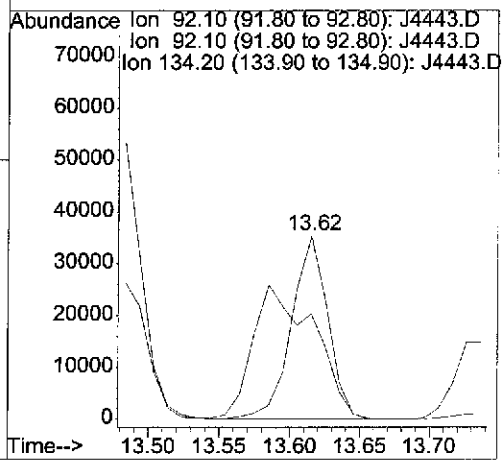


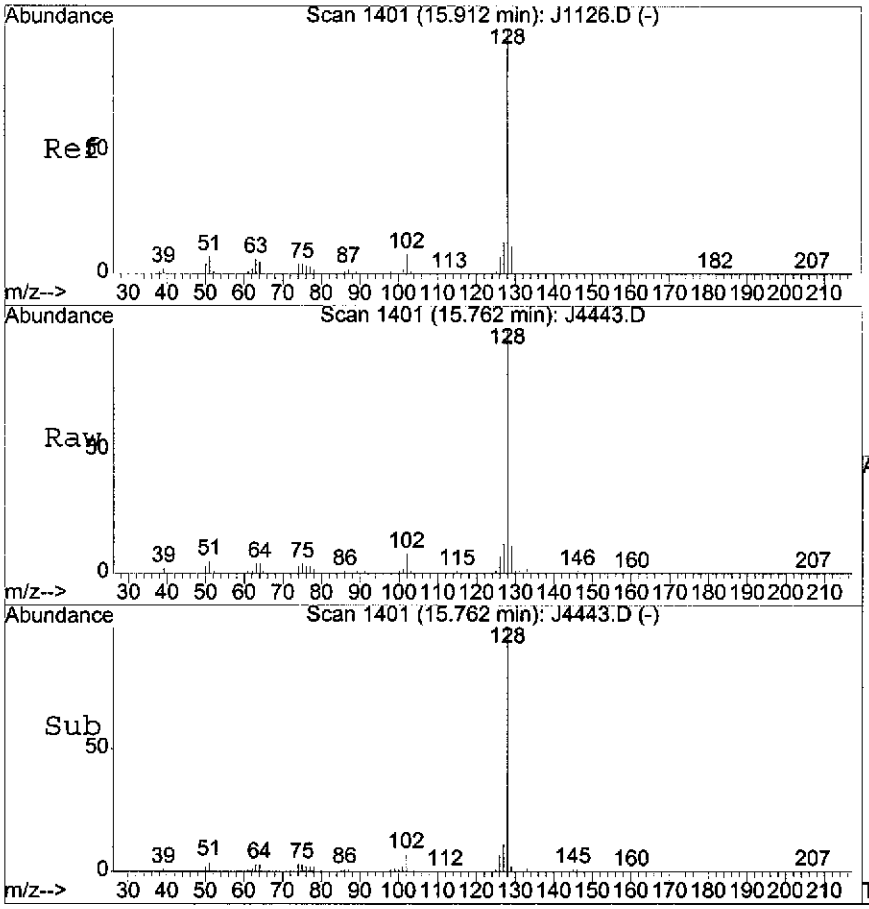


#73
n-Butylbenzene
Concen: 6.99 UG
RT: 13.62 min Scan# 1189
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion: 92 Resp: 63645

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
134	0.0	37.4	56.0#

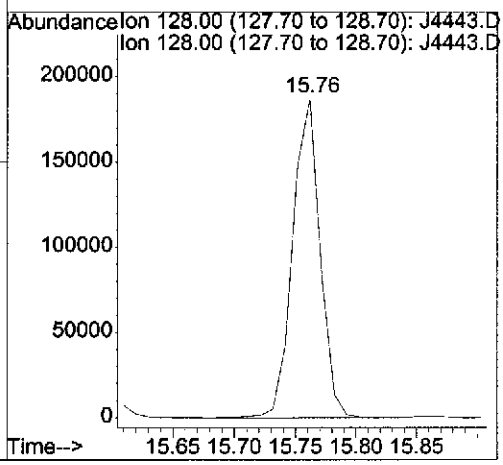




#78
Naphthalene
Concen: 14.46 UG
RT: 15.76 min Scan# 1401
Delta R.T. 0.00 min
Lab File: J4443.D
Acq: 8 Apr 2008 5:39 pm

Tgt Ion:128 Resp: 292473

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4444.D Vial: 18
Acq On : 8 Apr 2008 6:04 pm Operator: BINXU
Sample : MW-2,03767-005,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 17:24:59 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

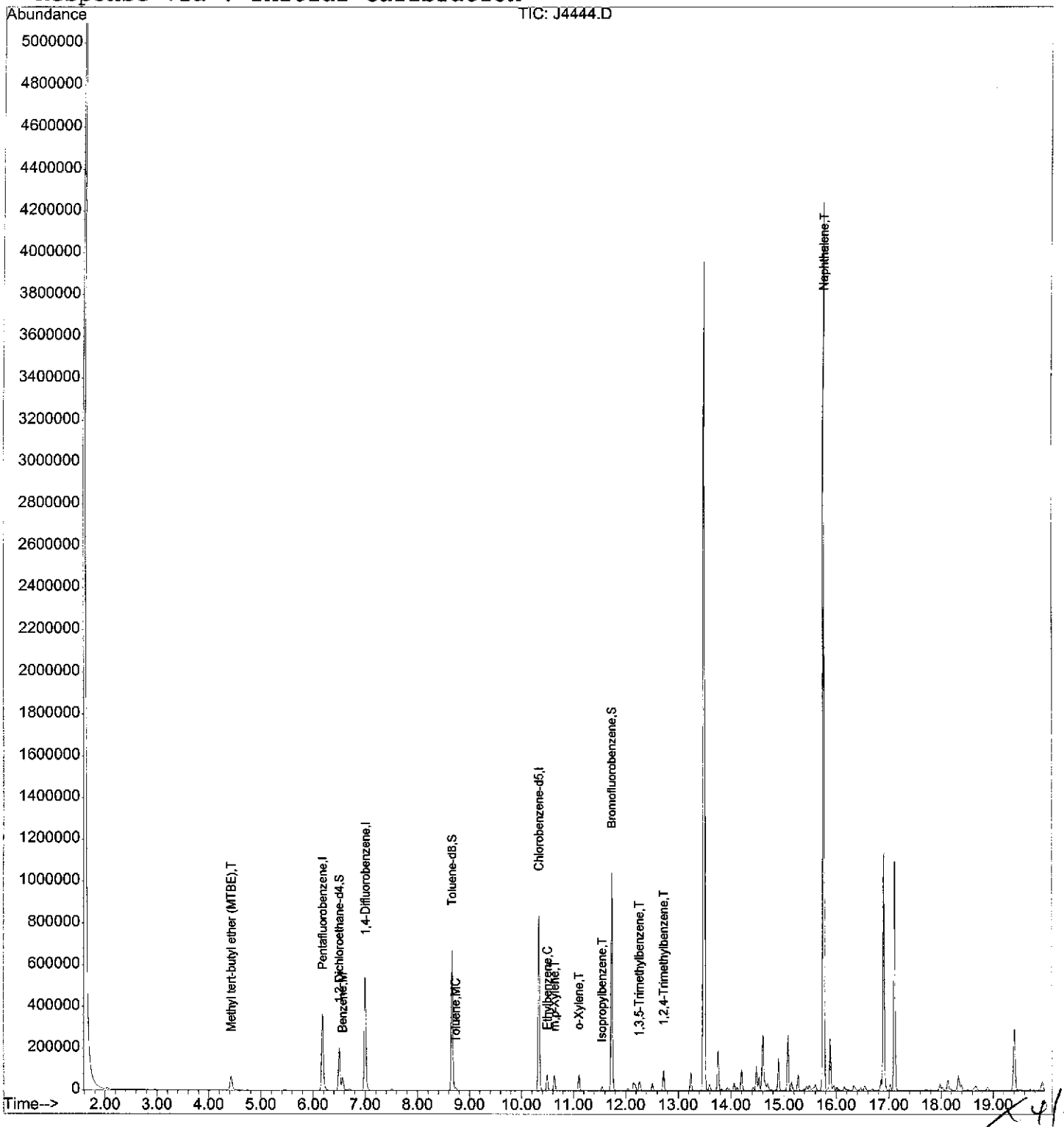
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	329280	50.00	UG		0.01
31) 1,4-Difluorobenzene	7.00	114	560793	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	576914	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.51	65	178683	46.86	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 93.72%				
41) Toluene-d8	8.66	98	497966	47.04	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.08%				
59) Bromofluorobenzene	11.73	95	409112	47.97	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.94%				
Target Compounds							Qvalue
17) Methyl tert-butyl ether (M	4.43	73	94850	9.52	UG		100
32) Benzene	6.57	78	63439	3.97	UG		100
42) Toluene	8.73	92	6589	0.63	UG		99
53) Ethylbenzene	10.50	91	63957	3.19	UG		98
54) m,p-Xylene	10.64	106	26759	3.32	UG		90
55) o-Xylene	11.10	106	27516	3.52	UG		88
58) Isopropylbenzene	11.55	105	15428	0.92	UG		98
65) 1,3,5-Trimethylbenzene	12.26	105	26588	1.41	UG	#	95
68) 1,2,4-Trimethylbenzene	12.72	105	67731	3.36	UG		98
78) Naphthalene	15.76	128	3574448	177.77	UG		100

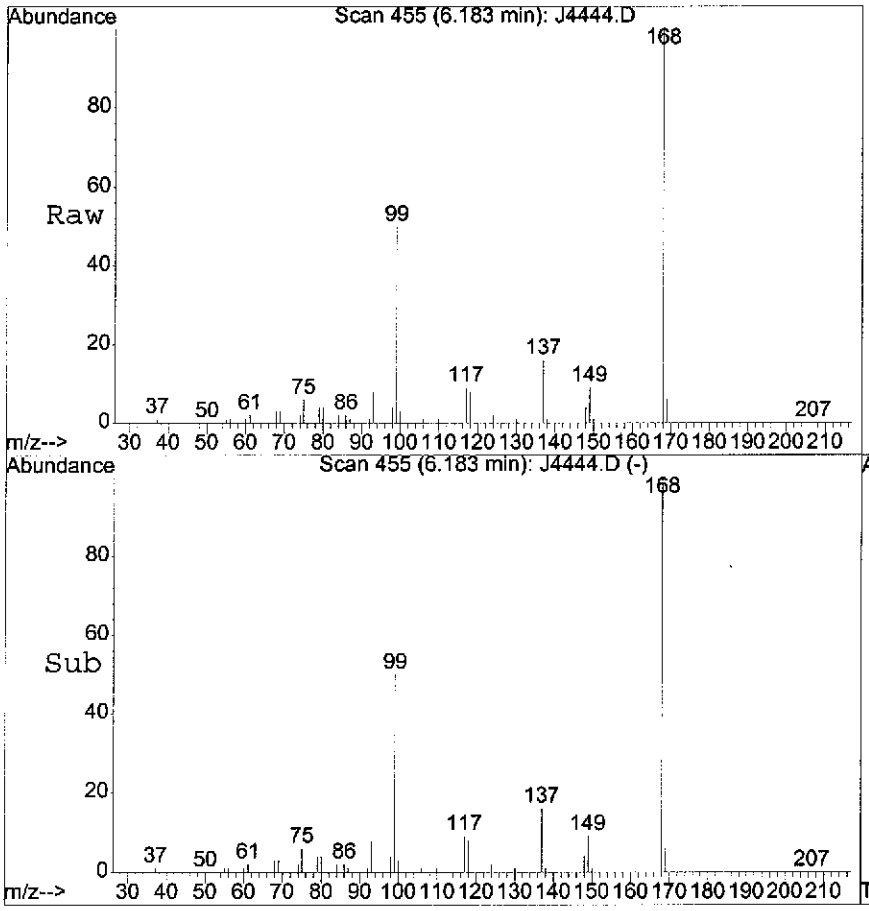
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4444.D Vial: 18
Acq On : 8 Apr 2008 6:04 pm Operator: BINXU
Sample : MW-2,03767-005,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:31 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

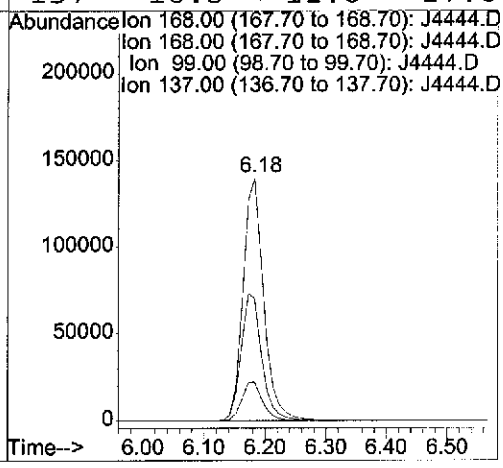


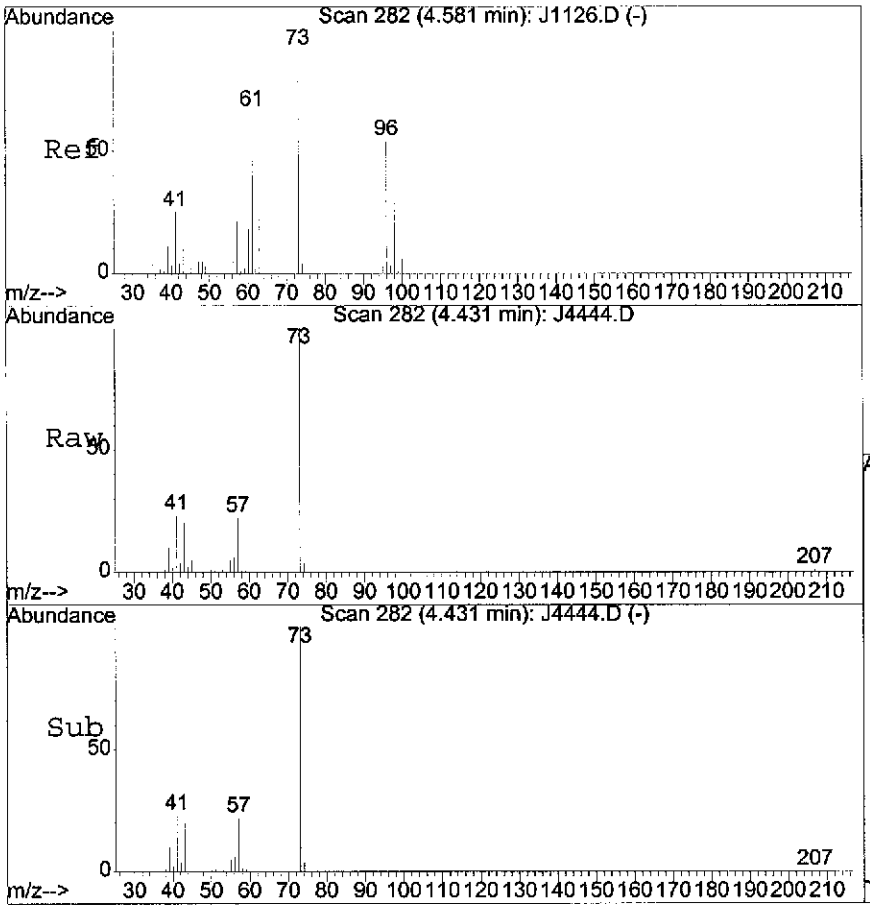


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.18 min Scan# 455
Delta R.T. 0.01 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:168 Resp: 329280

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	52.7	62.4	93.6#
137	16.3	11.8	17.8

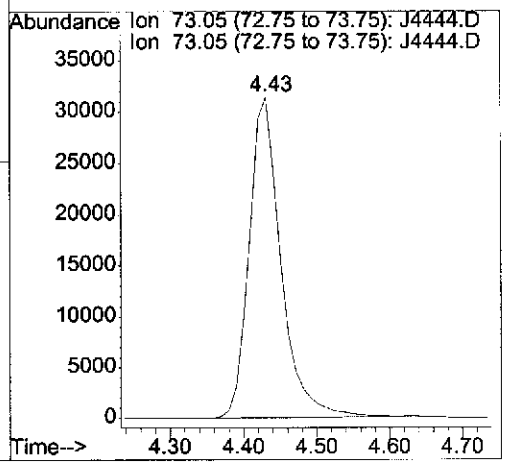


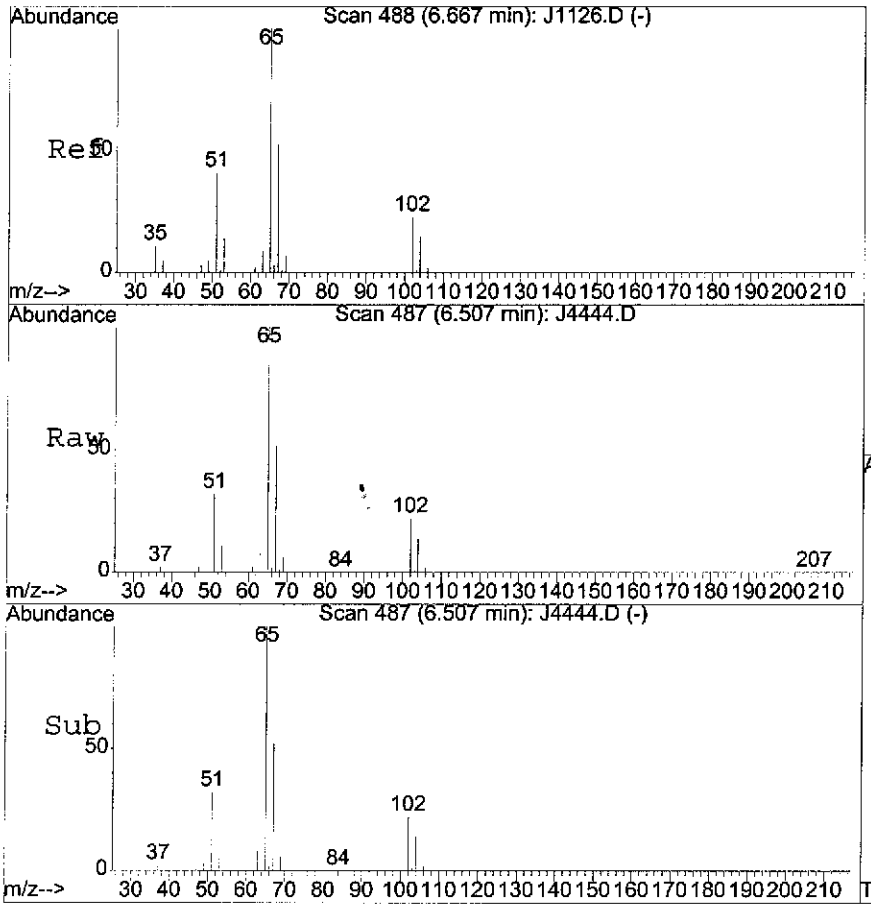


#17
Methyl tert-butyl ether (MTBE
Concen: 9.52 UG
RT: 4.43 min Scan# 282
Delta R.T. 0.01 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion: 73 Resp: 94850

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0

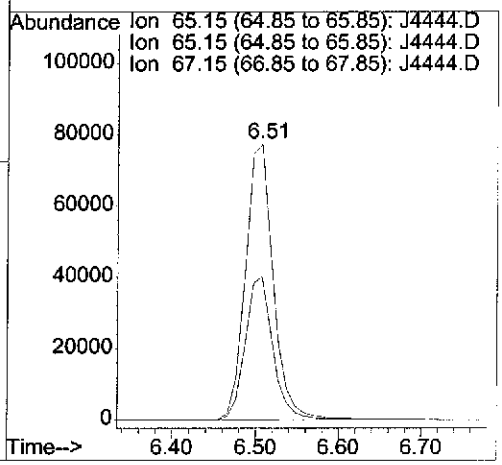


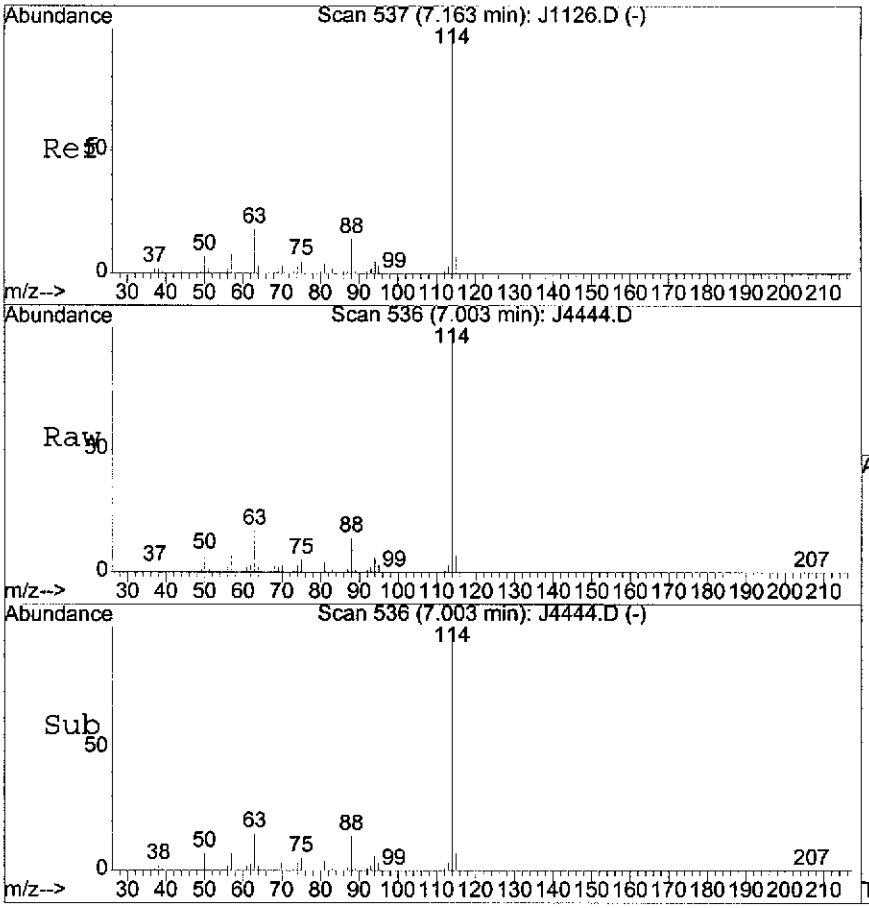


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.51 min Scan# 487
Delta R.T. 0.01 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion: 65 Resp: 178683

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	51.5	47.4	71.2

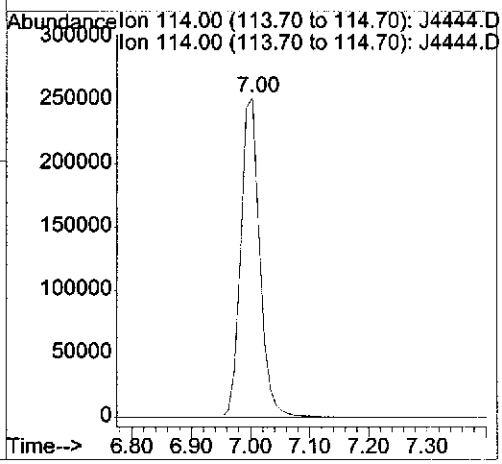


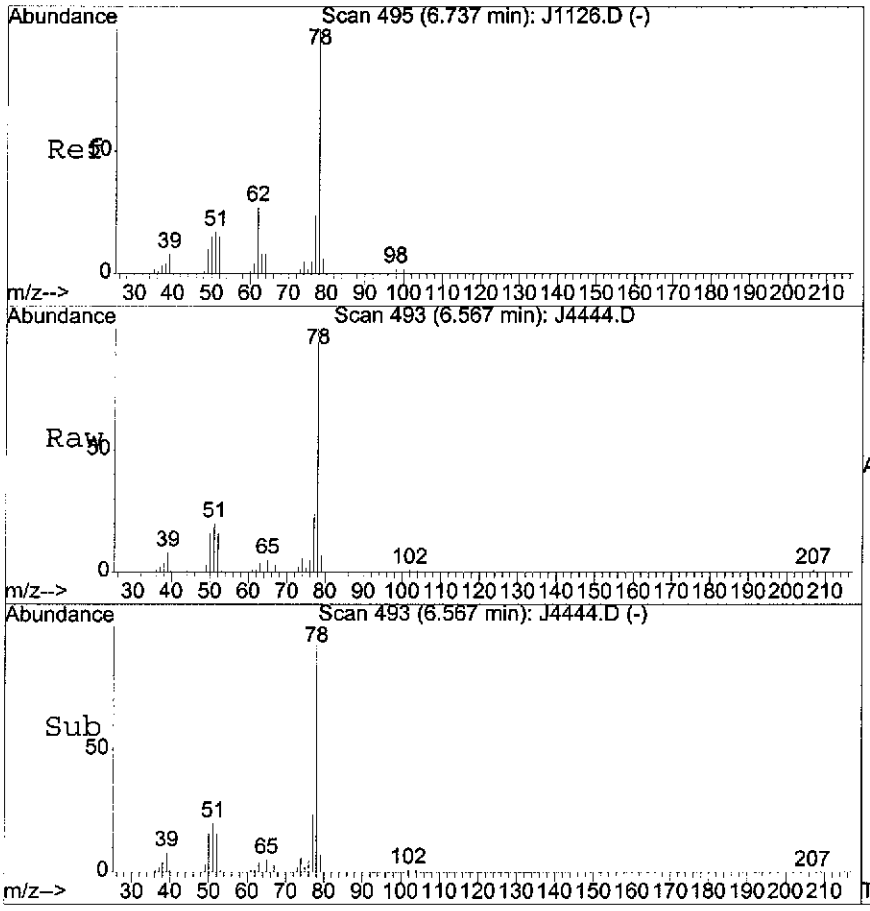


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:114 Resp: 560793

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

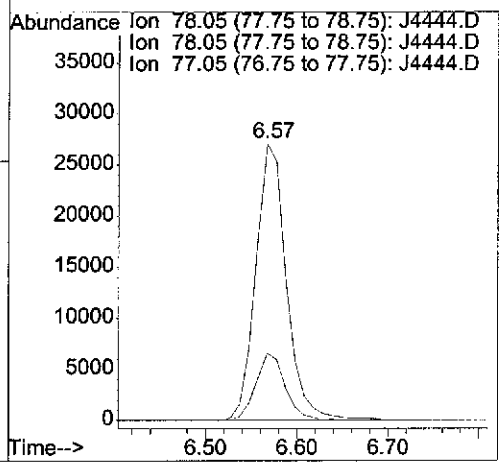


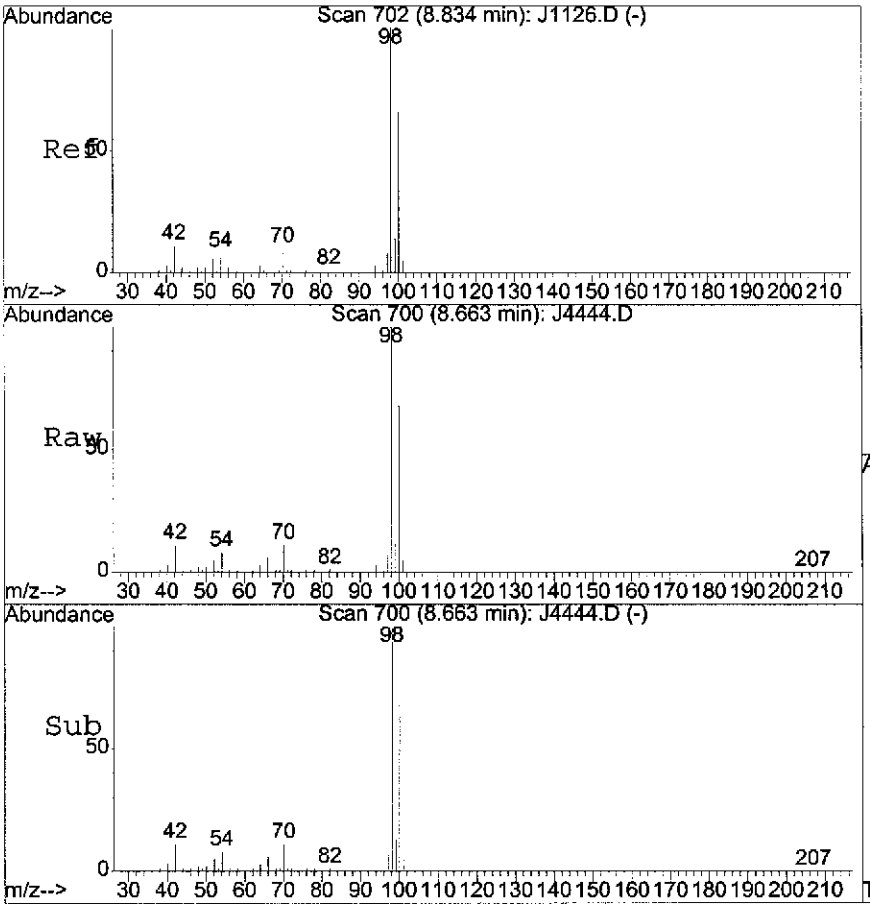


#32
Benzene
Concen: 3.97 UG
RT: 6.57 min Scan# 493
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion: 78 Resp: 63439

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	23.2	18.2	27.4

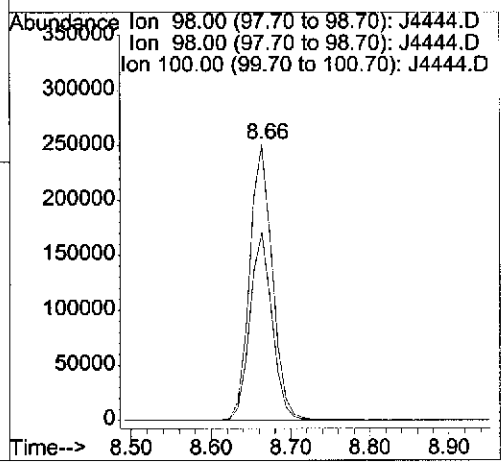


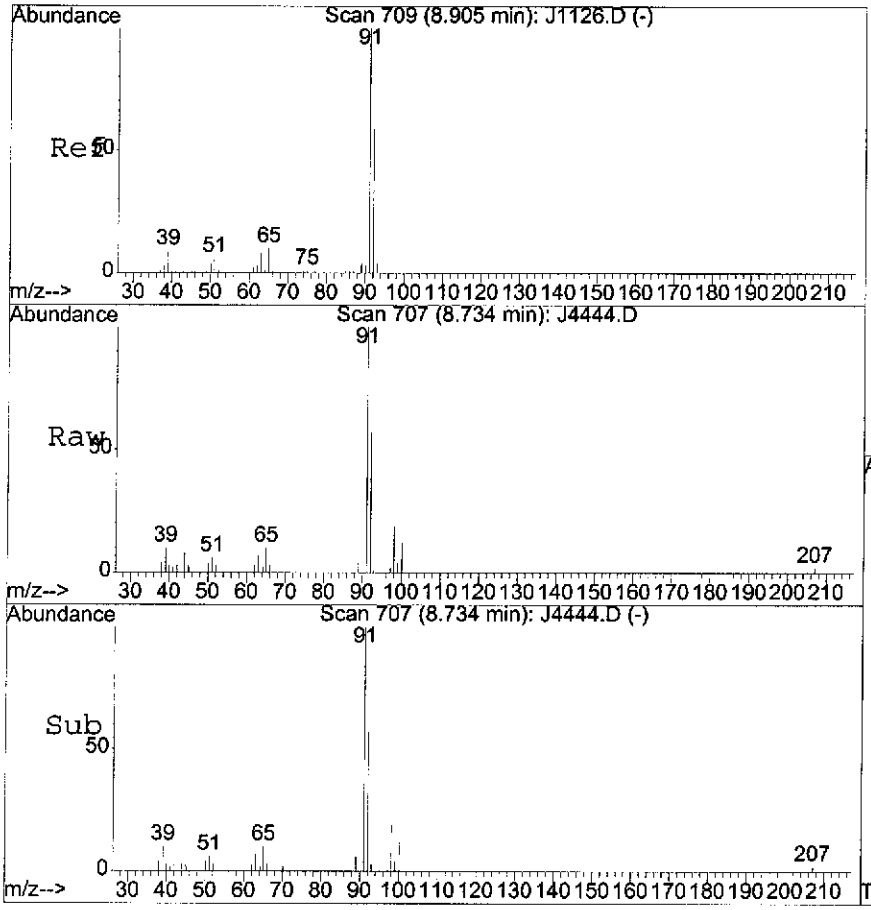


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion: 98 Resp: 497966

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.9	65.4	98.2

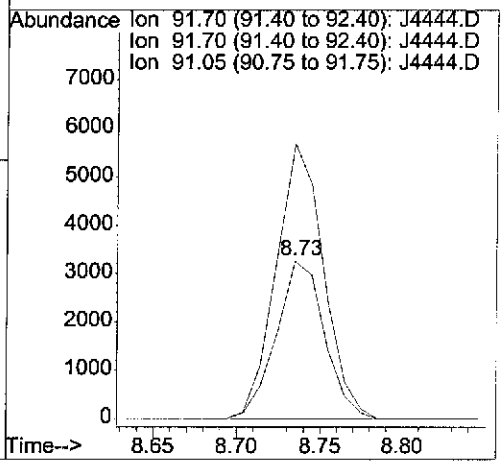


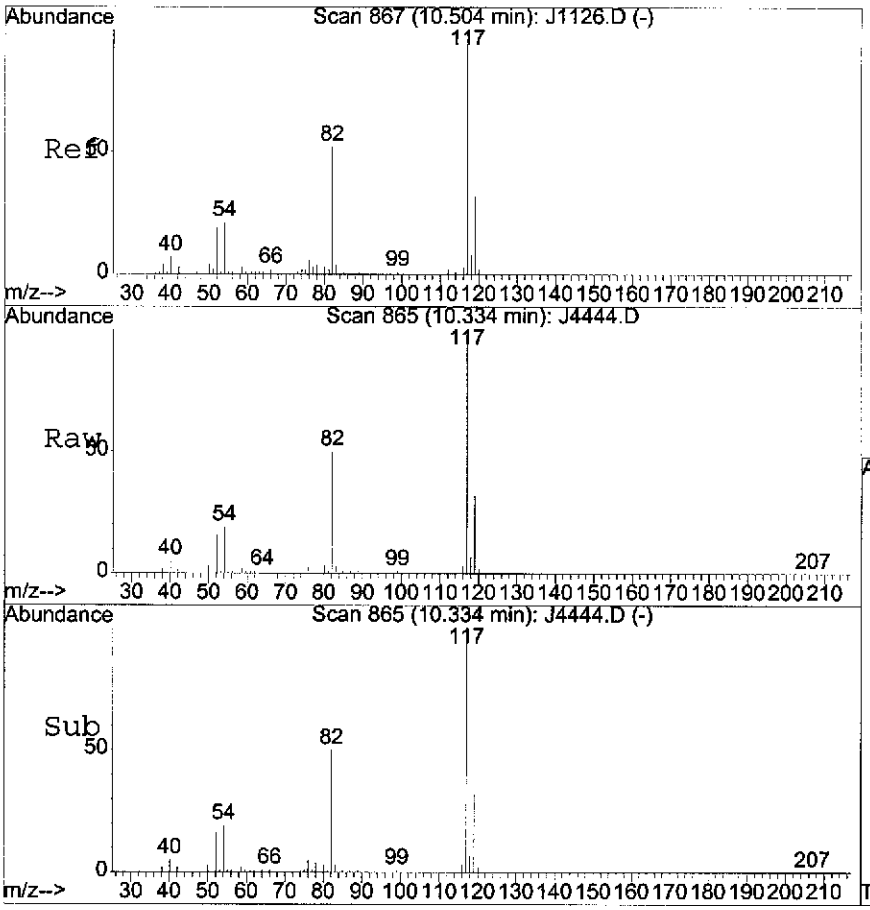


#42
Toluene
Concen: 0.63 UG
RT: 8.73 min Scan# 707
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion: 92 Resp: 6589

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
91	171.3	135.2	202.8

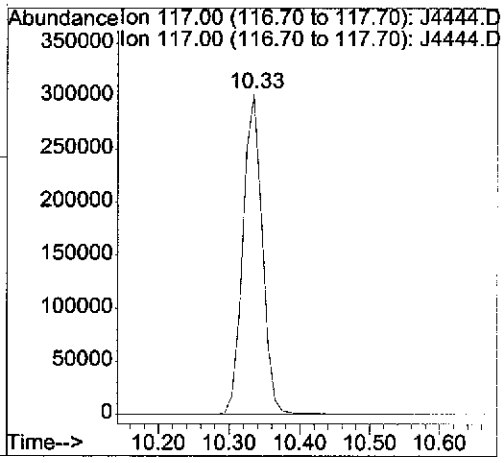


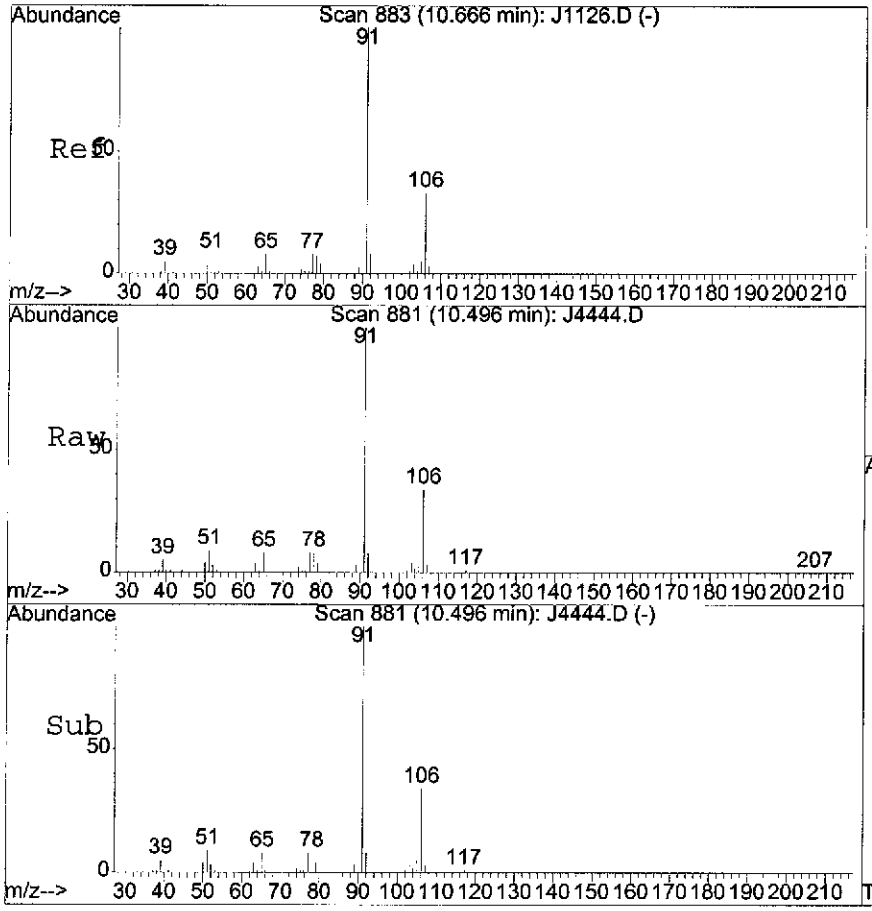


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:117 Resp: 576914

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

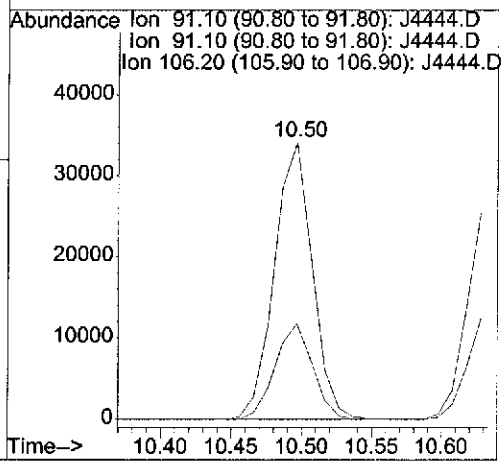


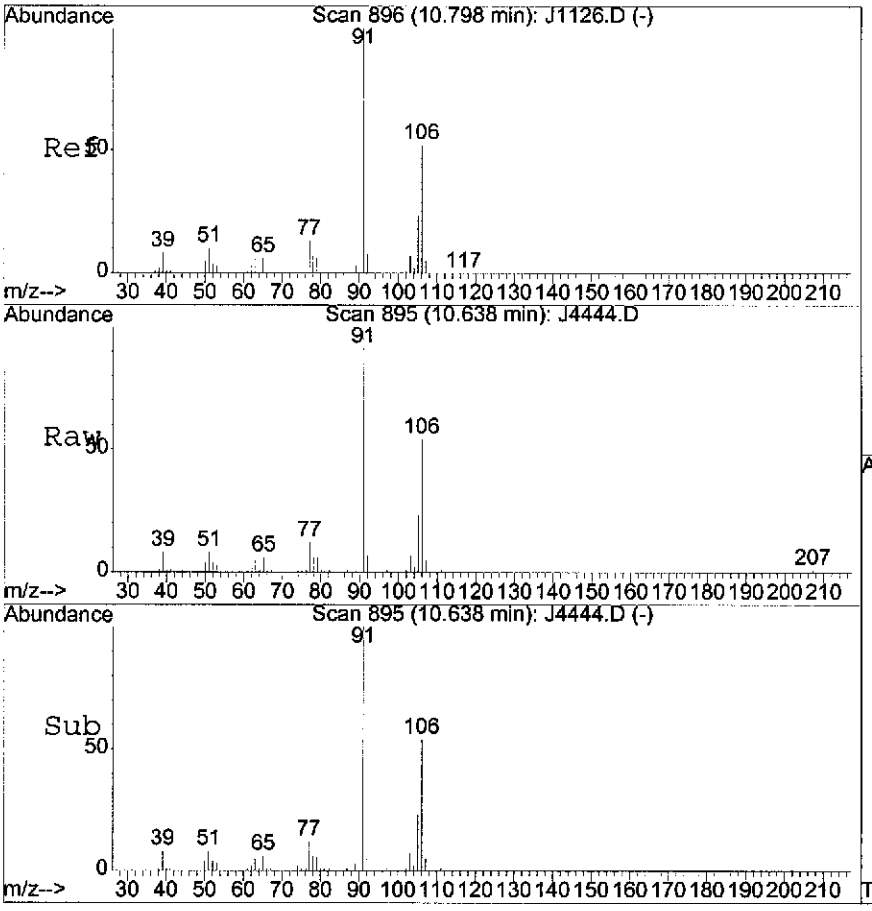


#53
Ethylbenzene
Concen: 3.19 UG
RT: 10.50 min Scan# 881
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion: 91 Resp: 63957

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	34.0	23.8	35.8

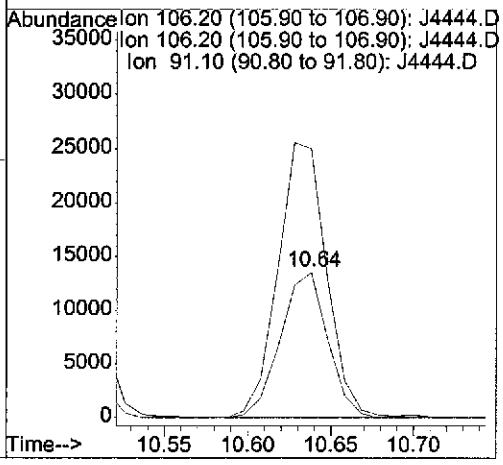


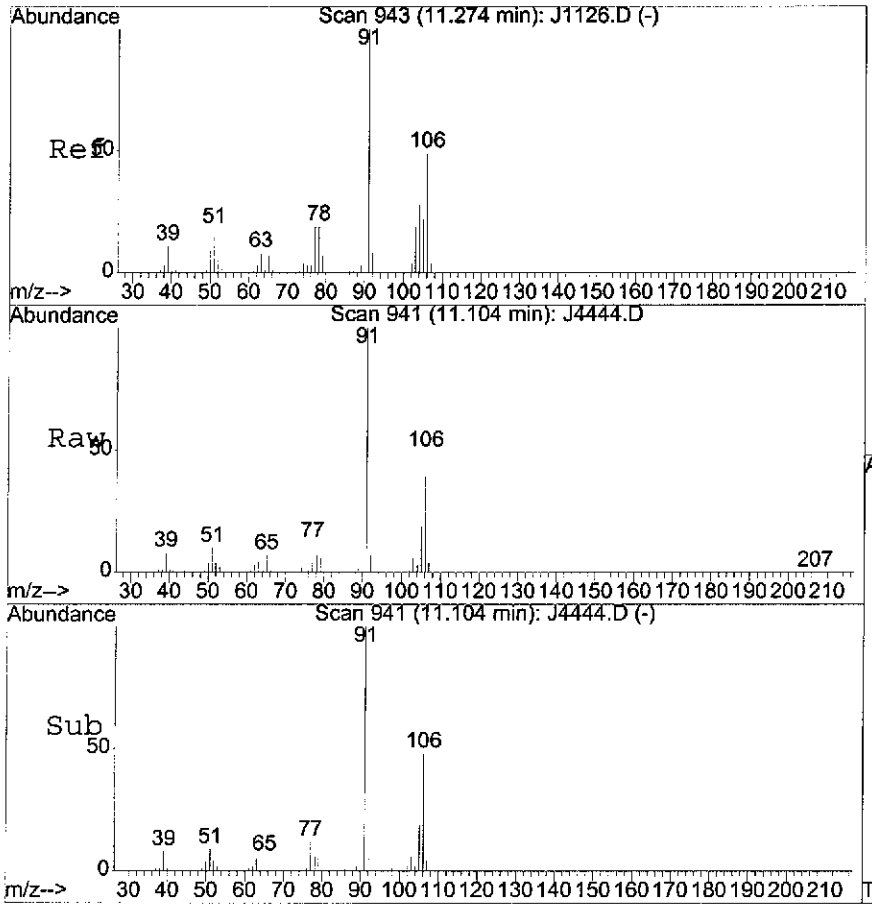


#54
m,p-Xylene
Concen: 3.32 UG
RT: 10.64 min Scan# 895
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:106 Resp: 26759

Ion	Ratio	Lower	Upper
106	100		
106	100.0	80.0	120.0
91	195.0	175.6	263.4

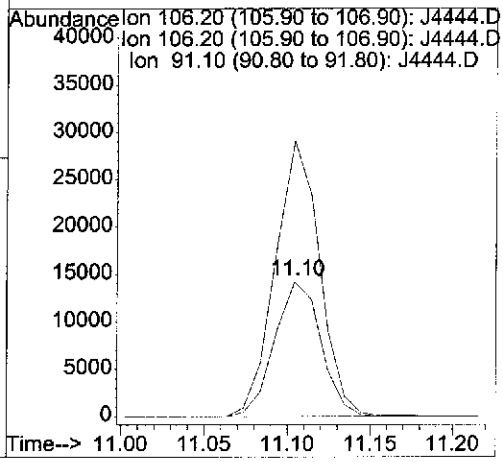


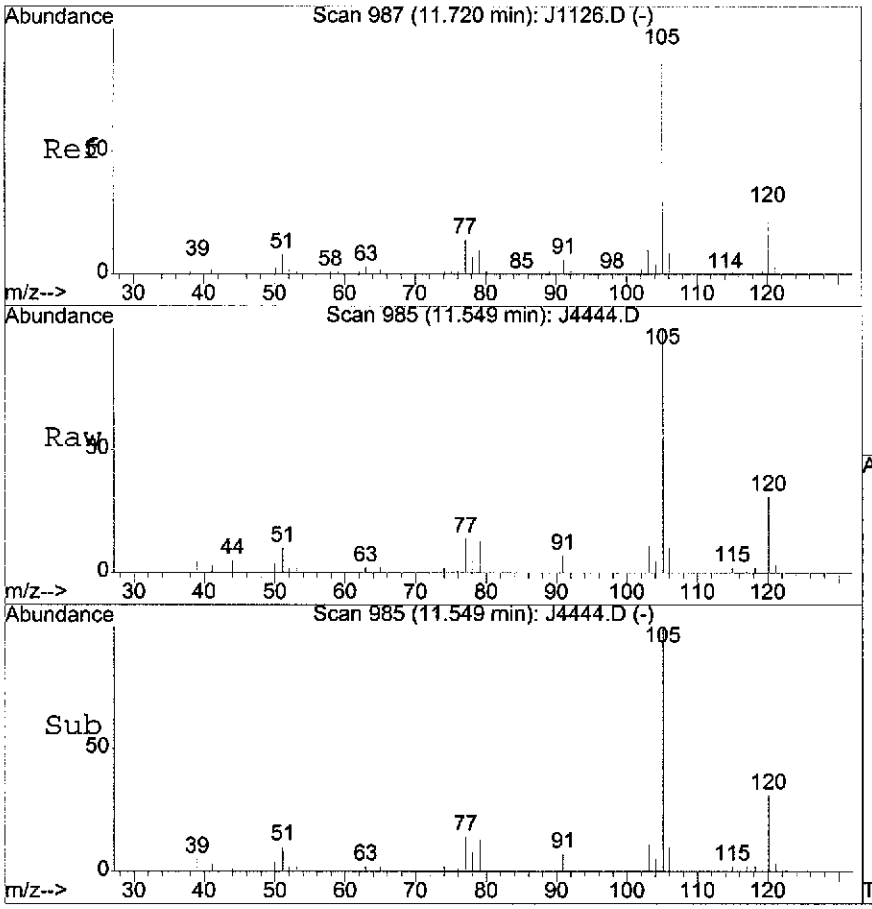


#55
o-Xylene
Concen: 3.52 UG
RT: 11.10 min Scan# 941
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:106 Resp: 27516

Ion	Ratio	Lower	Upper
106	100		
106	100.0	80.0	120.0
91	196.8	180.9	271.3

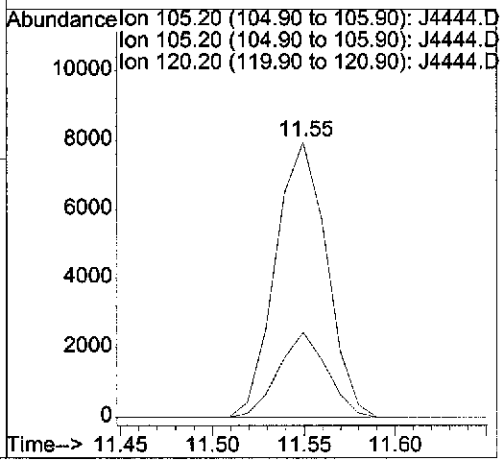


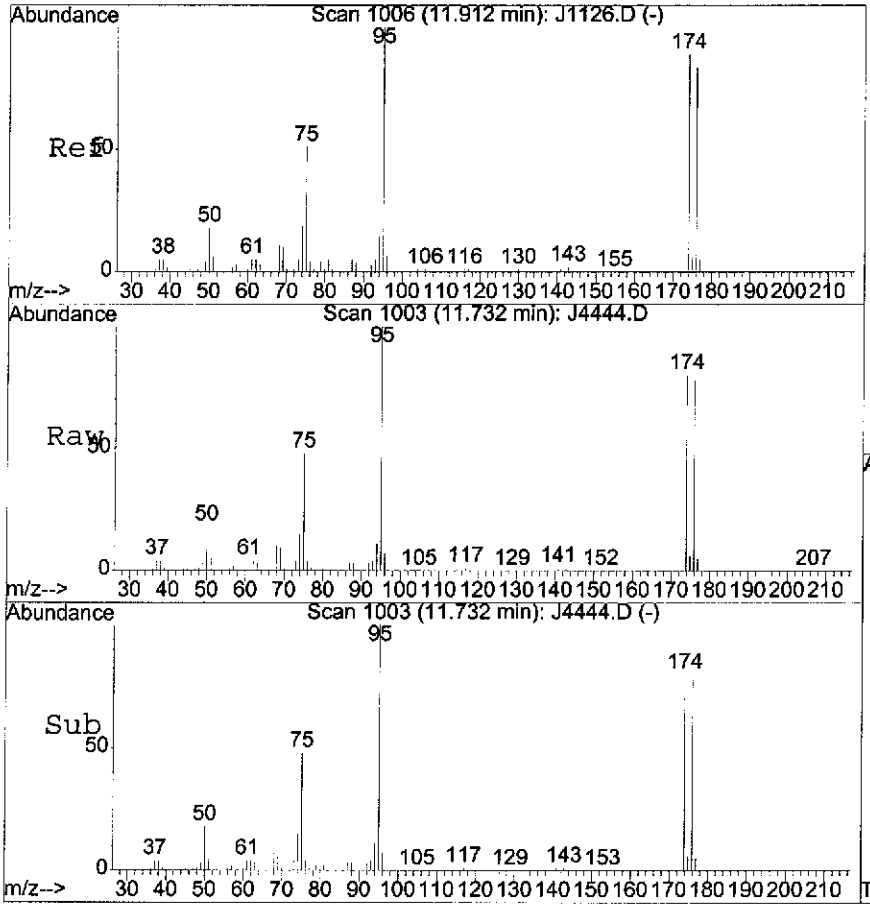


#58
Isopropylbenzene
Concen: 0.92 UG
RT: 11.55 min Scan# 985
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:105 Resp: 15428

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	28.9	20.1	30.1

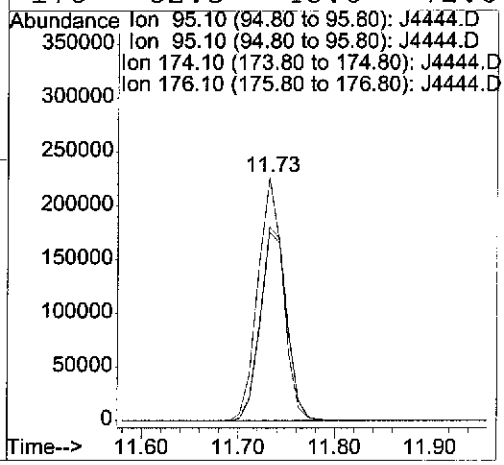


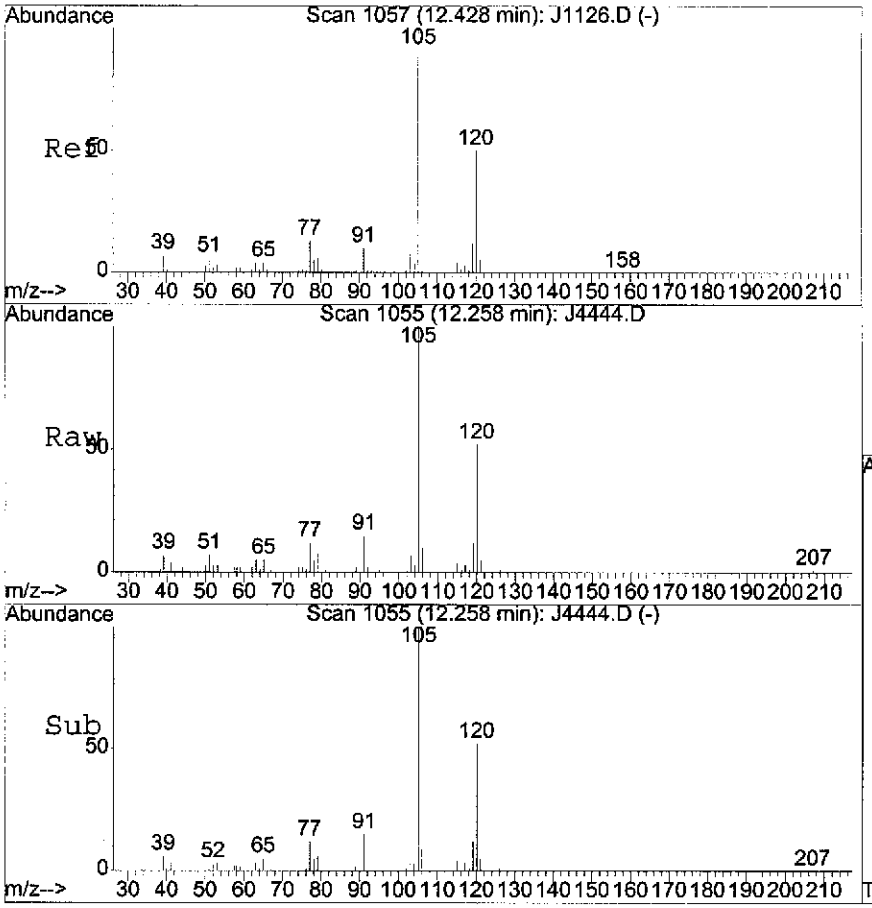


#59
Bromofluorobenzene
Concen: 0.92 UG
RT: 11.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion: 95 Resp: 409112

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.9	50.9	76.3#
176	82.5	48.6	72.8#

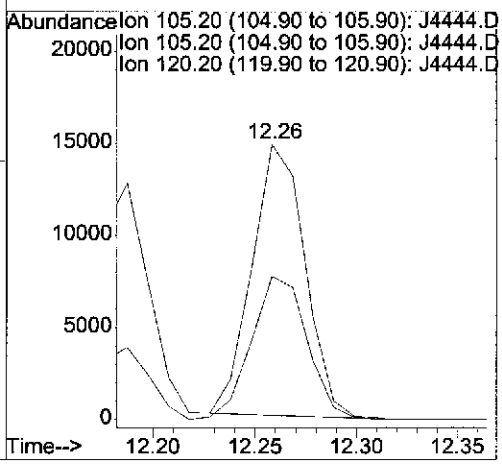


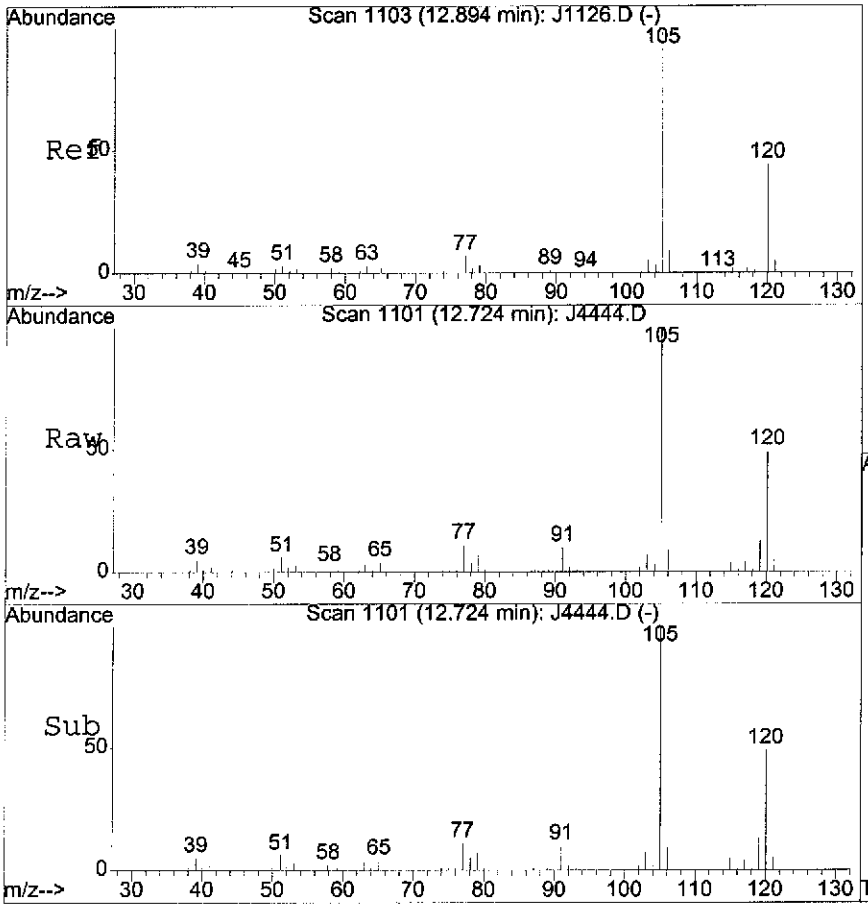


#65
1,3,5-Trimethylbenzene
Concen: 1.41 UG
RT: 12.26 min Scan# 1055
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:105 Resp: 26588

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	55.6	36.6	55.0#

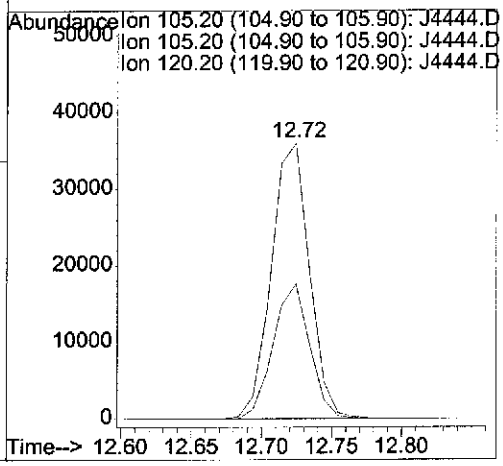


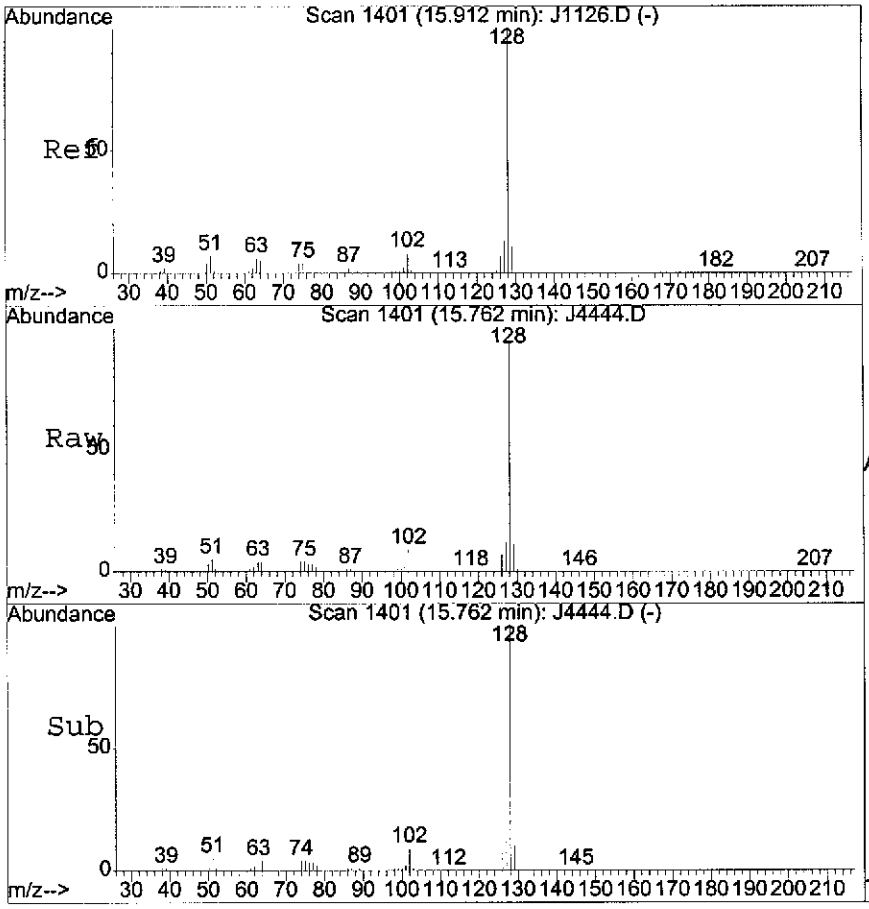


#68
1,2,4-Trimethylbenzene
Concen: 3.36 UG
RT: 12.72 min Scan# 1101
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:105 Resp: 67731

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	46.8	33.4	50.0

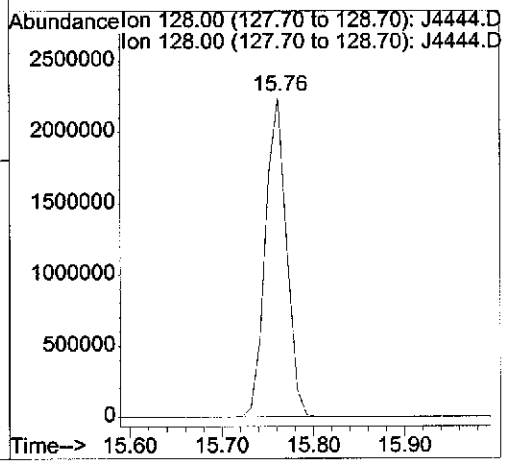




#78
Naphthalene
Concen: 177.77 UG
RT: 15.76 min Scan# 1401
Delta R.T. 0.00 min
Lab File: J4444.D
Acq: 8 Apr 2008 6:04 pm

Tgt Ion:128 Resp: 3574448

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4445.D Vial: 19
Acq On : 8 Apr 2008 6:31 pm Operator: BINXU
Sample : MW-1,03767-006,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 17:51:30 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

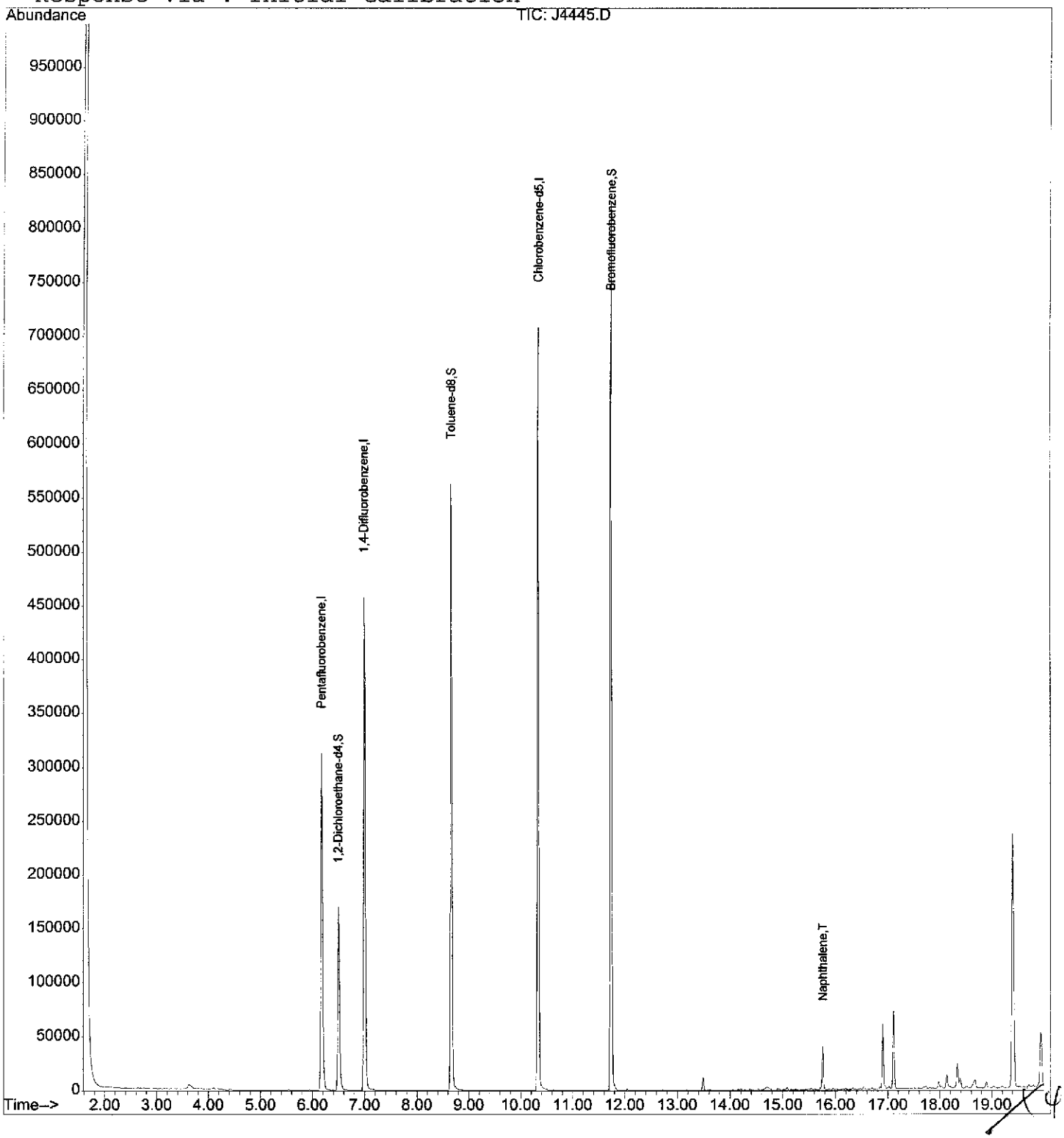
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	272559	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	469603	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	481407	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	157911	50.03	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 100.06%			
41) Toluene-d8	8.66	98	420756	47.46	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.92%			
59) Bromofluorobenzene	11.73	95	332624	46.74	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.48%			
Target Compounds						Qvalue
78) Naphthalene	15.76	128	34969	2.08	UG	100

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

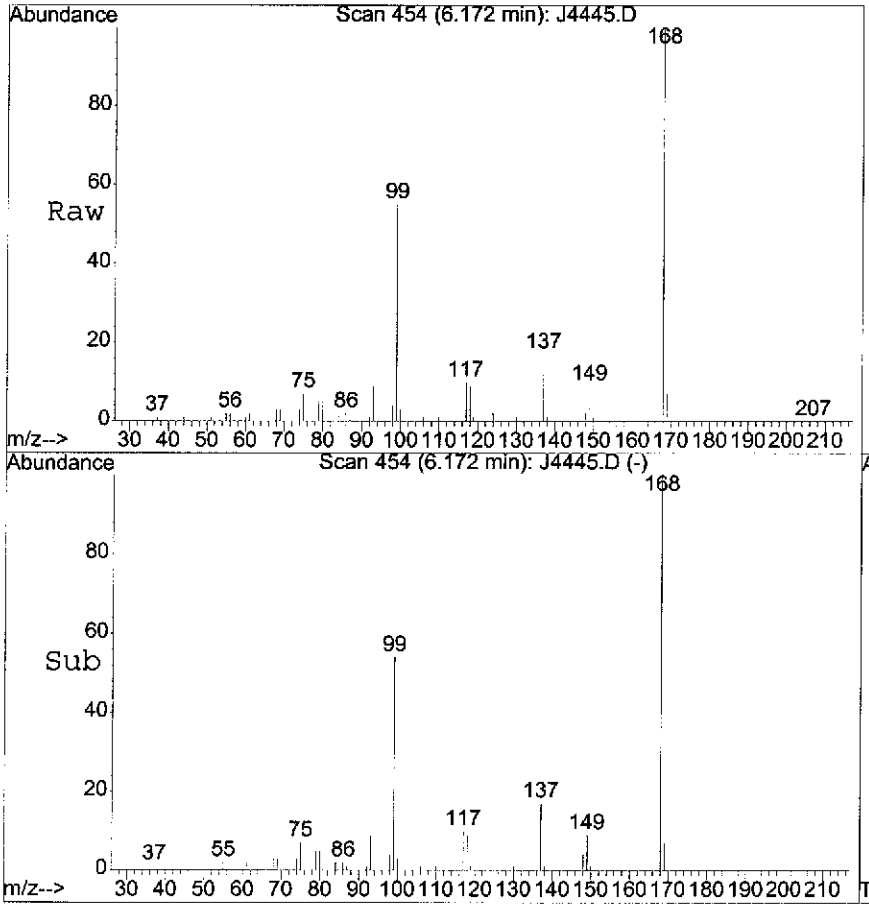
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4445.D Vial: 19
Acq On : 8 Apr 2008 6:31 pm Operator: BINXU
Sample : MW-1,03767-006,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:31 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



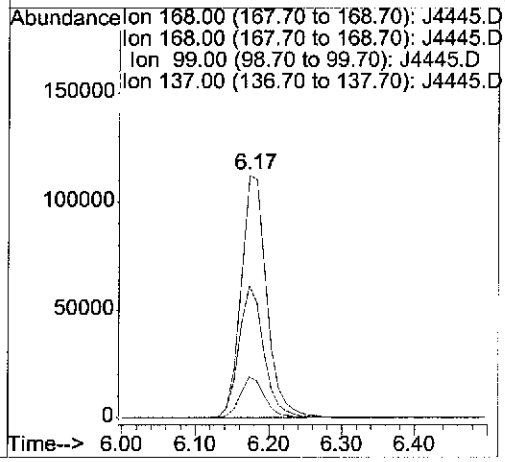
4/9

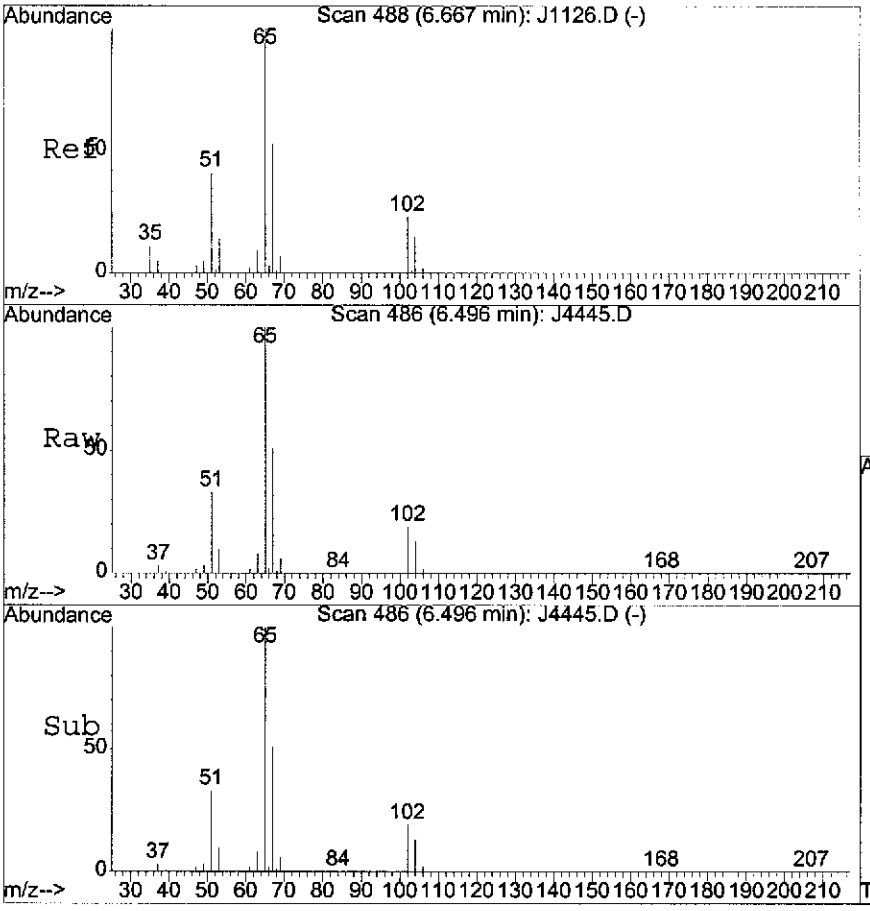


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.17 min Scan# 454
Delta R.T. 0.00 min
Lab File: J4445.D
Acq: 8 Apr 2008 6:31 pm

Tgt Ion:168 Resp: 272559

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	62.4	93.6#
137	0.0	11.8	17.8#

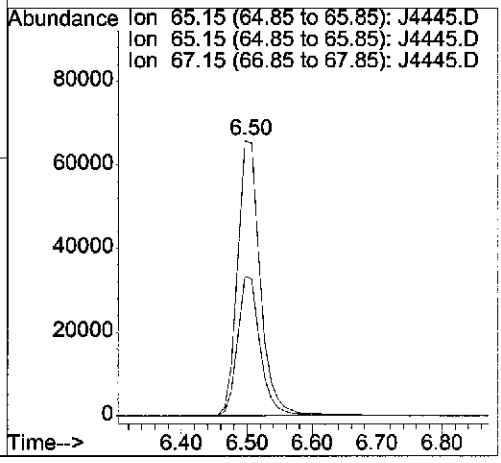


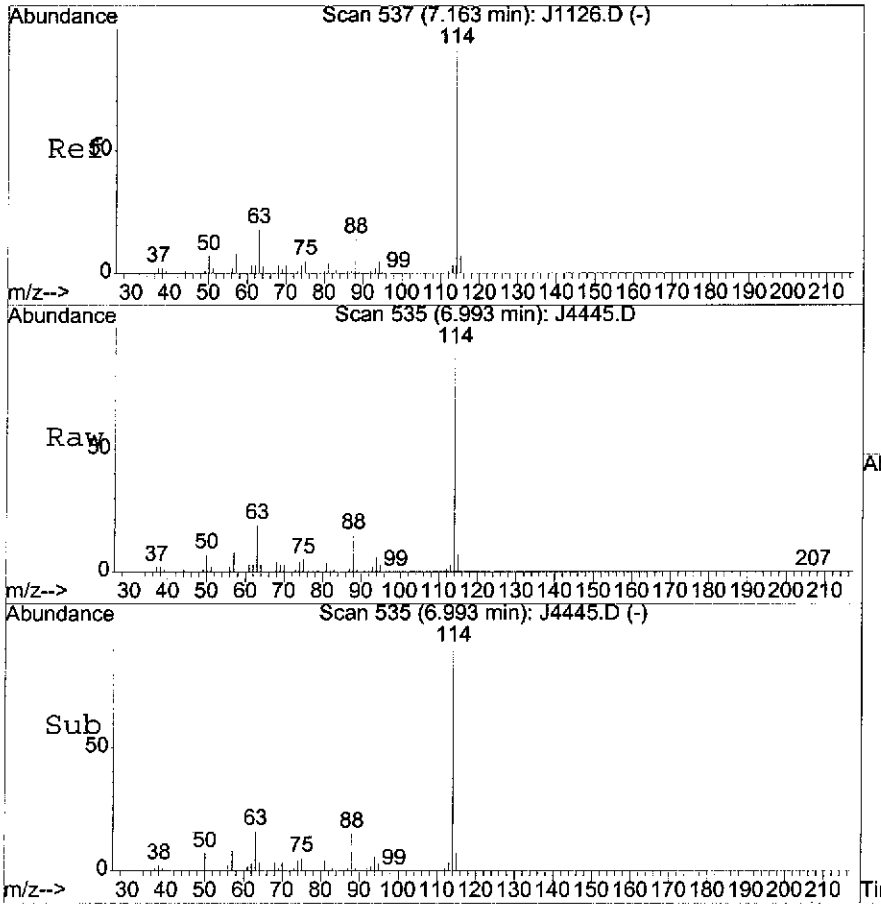


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.50 min Scan# 486
Delta R.T. 0.00 min
Lab File: J4445.D
Acq: 8 Apr 2008 6:31 pm

Tgt Ion: 65 Resp: 157911

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	50.0	47.4	71.2

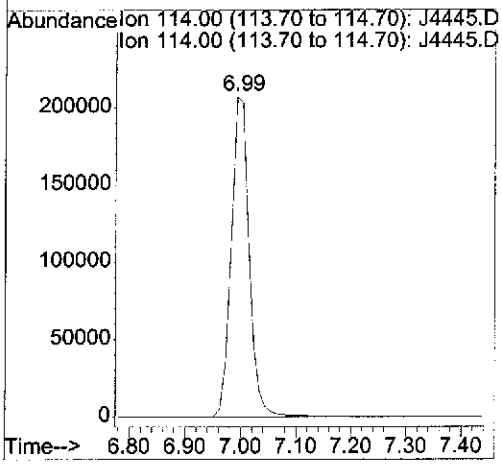


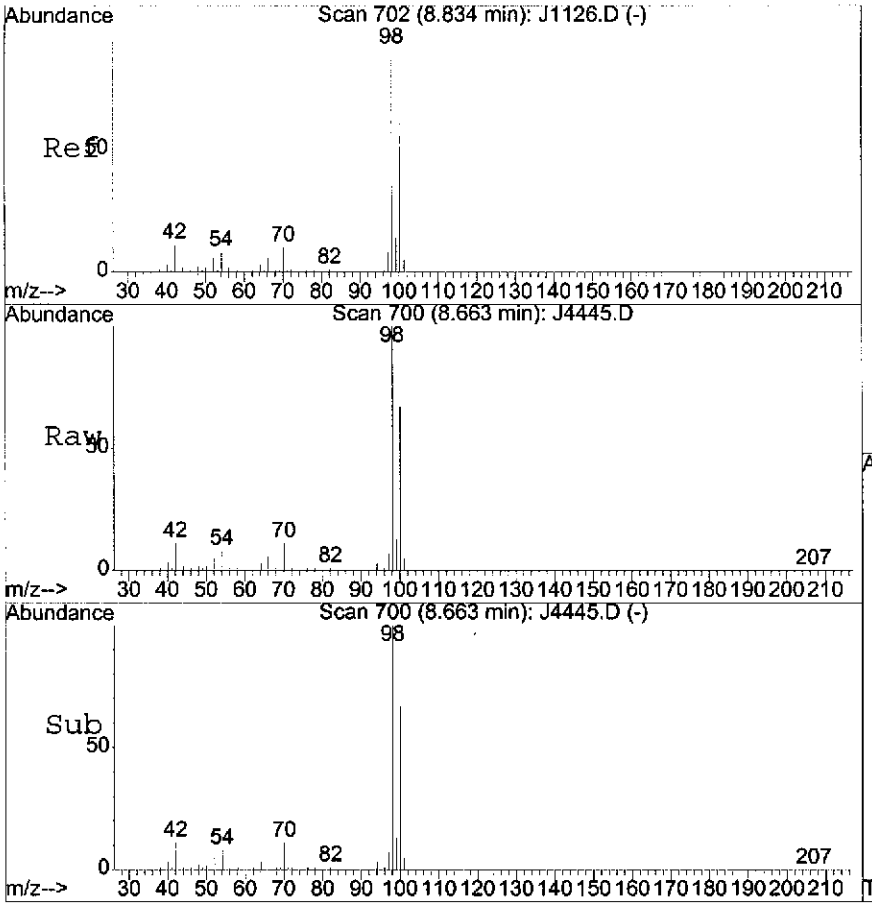


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. 0.00 min
Lab File: J4445.D
Acq: 8 Apr 2008 6:31 pm

Tgt Ion:114 Resp: 469603

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

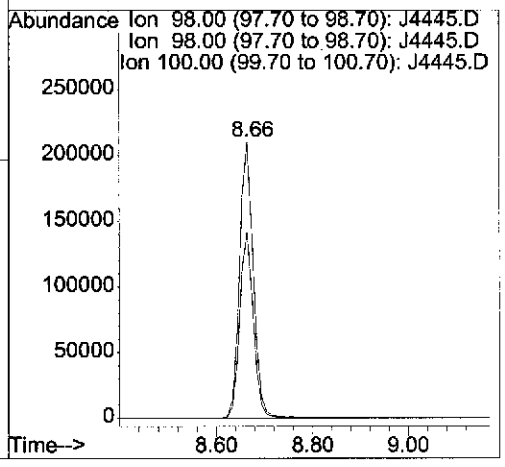


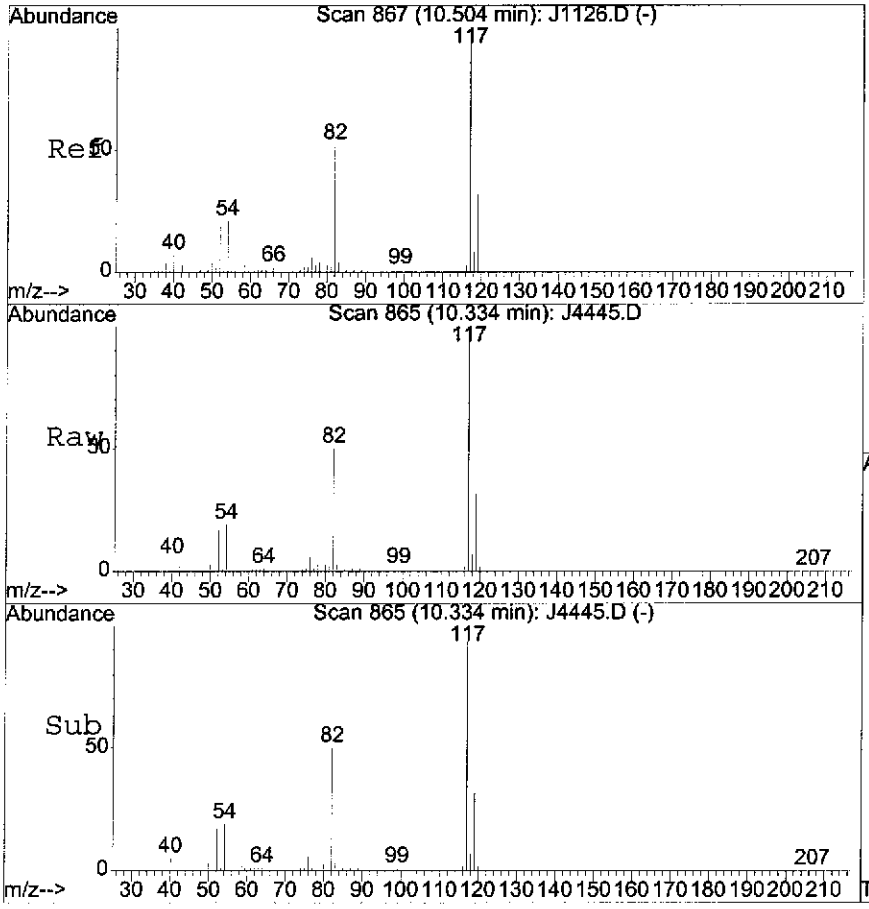


#41
Toluene-d8
Concen: Below UG
RT: 8.66 min Scan# 700
Delta R.T. 0.00 min
Lab File: J4445.D
Acq: 8 Apr 2008 6:31 pm

Tgt Ion: 98 Resp: 420756

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.8	65.4	98.2

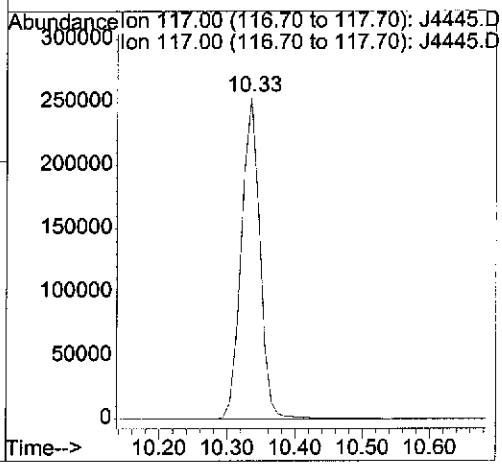


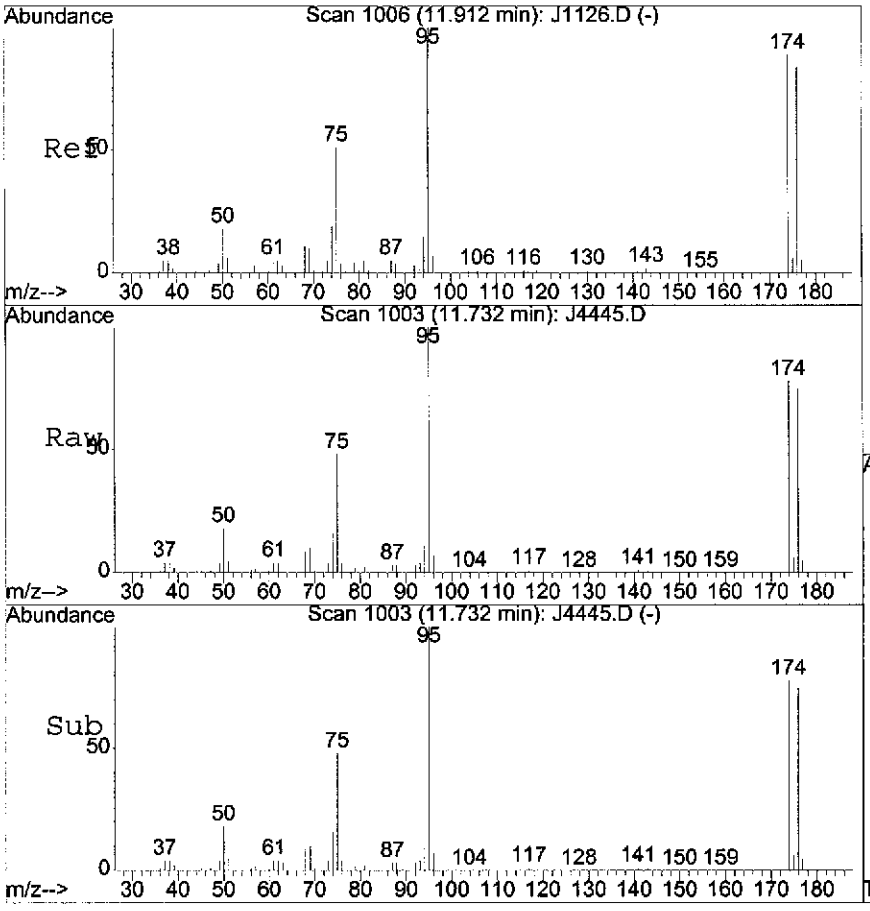


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. 0.00 min
Lab File: J4445.D
Acq: 8 Apr 2008 6:31 pm

Tgt Ion:117 Resp: 481407

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

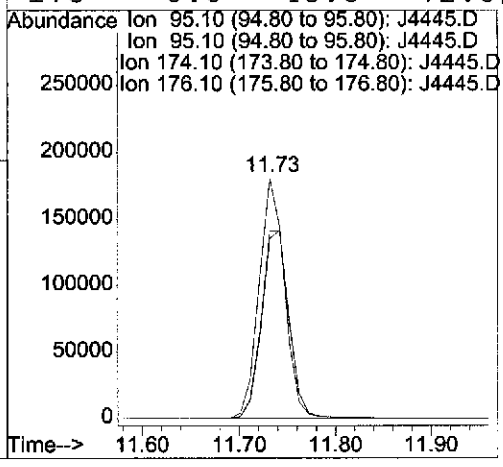


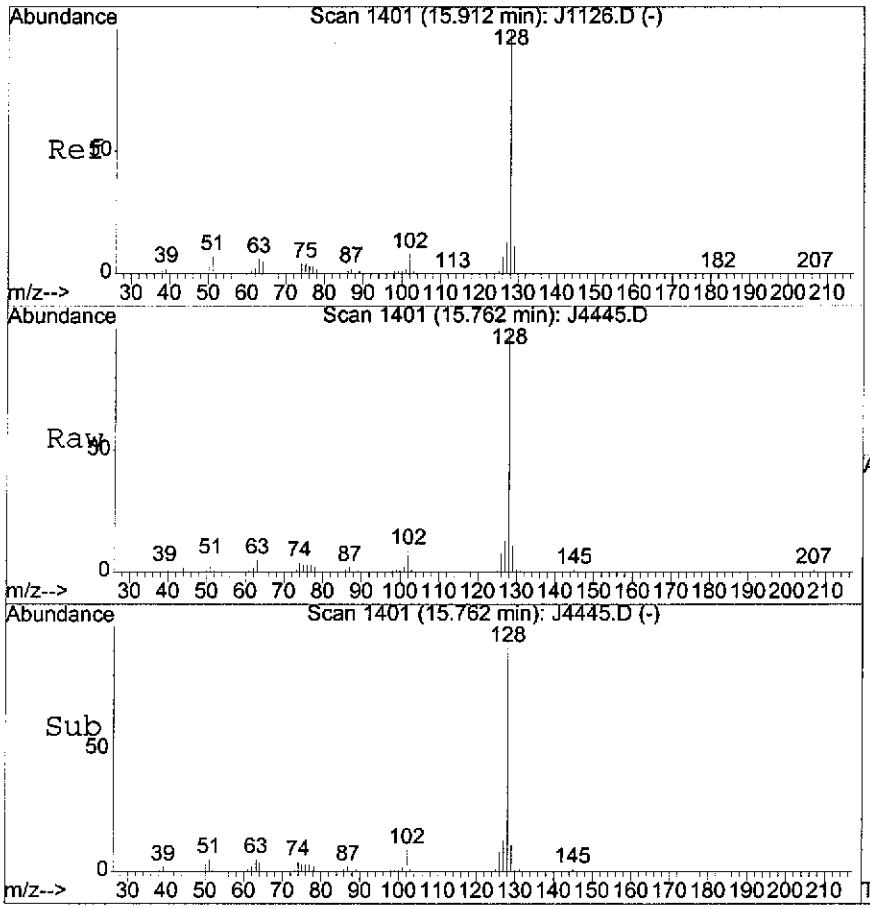


#59
Bromofluorobenzene
Concen: Below UG
RT: 11.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: J4445.D
Acq: 8 Apr 2008 6:31 pm

Tgt Ion: 95 Resp: 332624

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	0.0	50.9	76.3#
176	0.0	48.6	72.8#

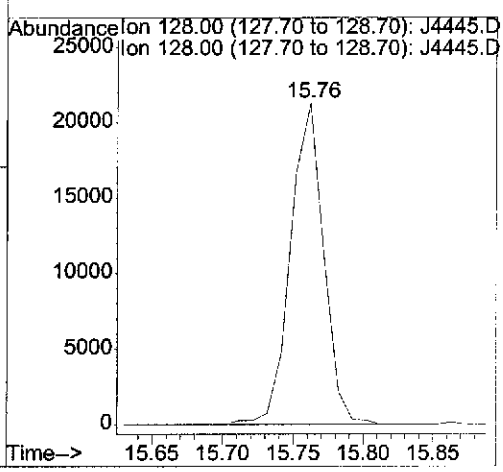




#78
Naphthalene
Concen: 2.08 UG
RT: 15.76 min Scan# 1401
Delta R.T. 0.00 min
Lab File: J4445.D
Acq: 8 Apr 2008 6:31 pm

Tgt Ion:128 Resp: 34969

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4446.D Vial: 20
Acq On : 8 Apr 2008 6:58 pm Operator: BINXU
Sample : FIELD_BLANK,03767-007,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 18:18:13 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	309651	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	522740	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	534925	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	177216	49.42	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.84%			
41) Toluene-d8	8.66	98	466933	47.32	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.64%			
59) Bromofluorobenzene	11.73	95	372179	47.06	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.12%			

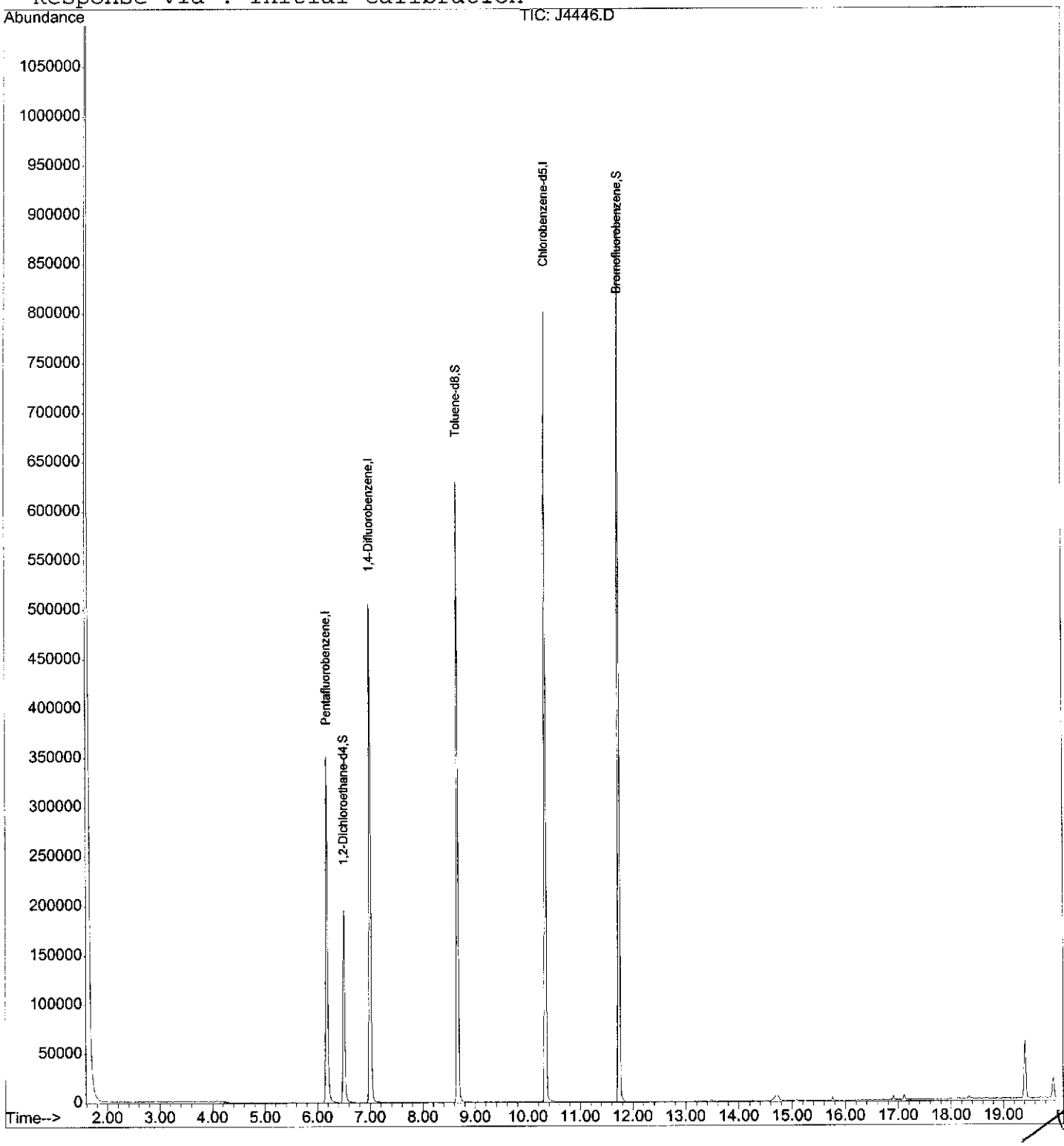
Target Compounds Qvalue

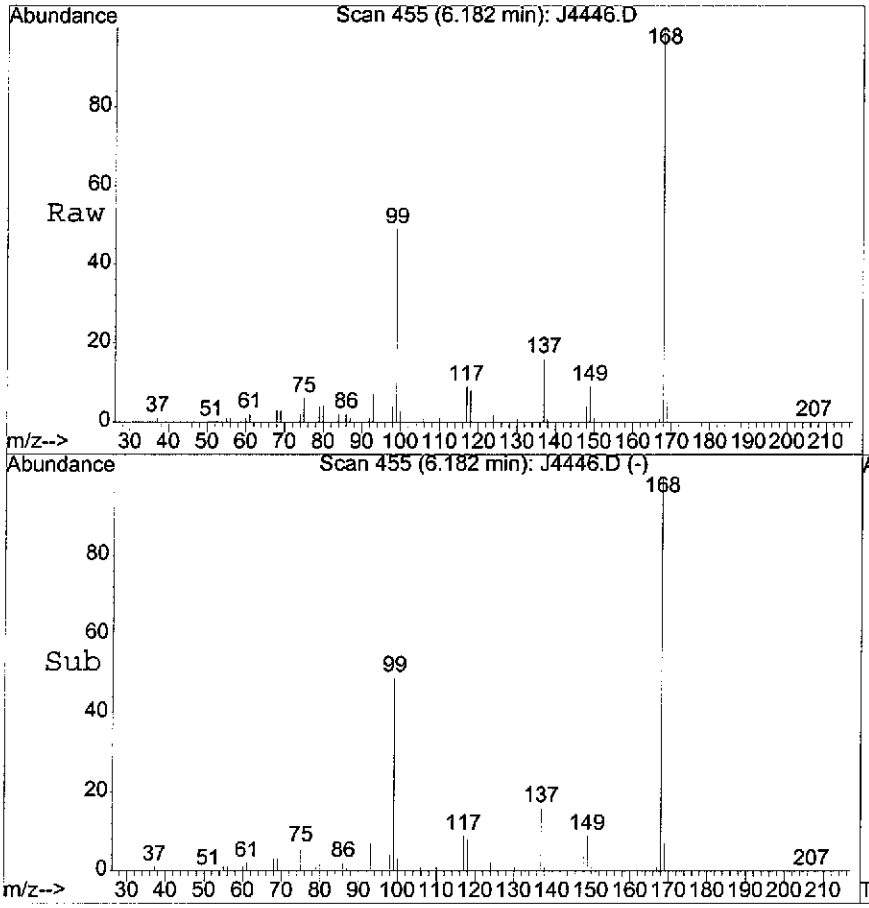
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4446.D Vial: 20
Acq On : 8 Apr 2008 6:58 pm Operator: BINXU
Sample : FIELD_BLANK,03767-007,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:31 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

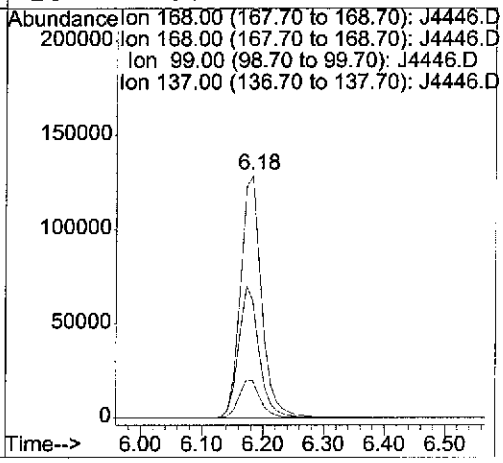


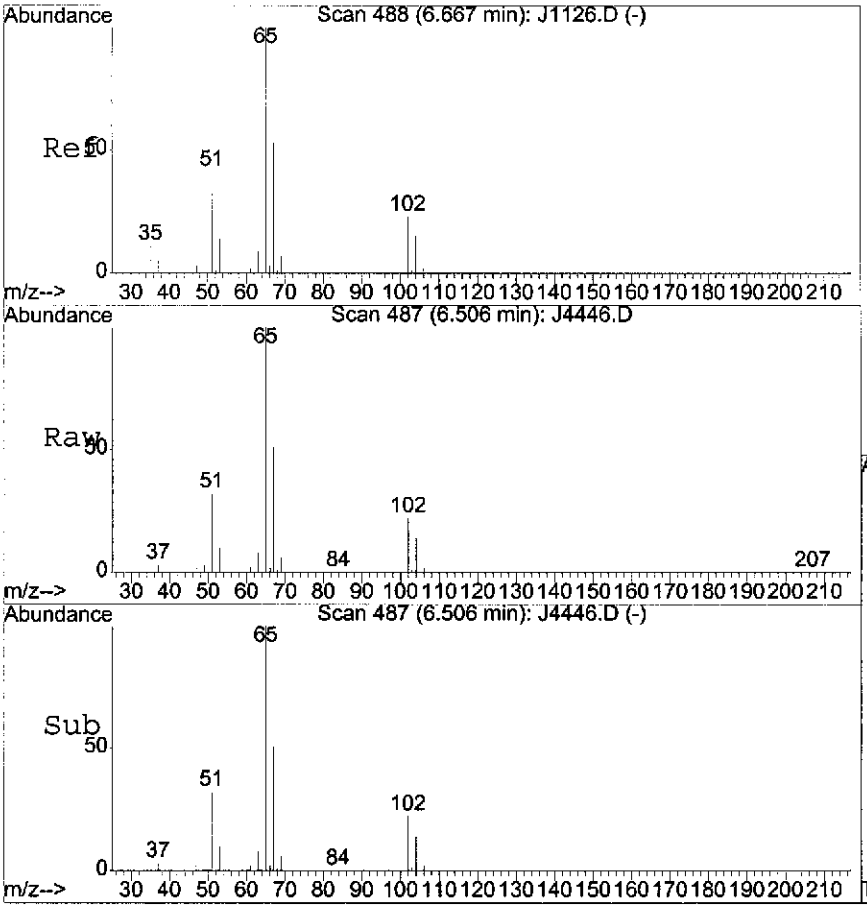


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.18 min Scan# 455
Delta R.T. 0.01 min
Lab File: J4446.D
Acq: 8 Apr 2008 6:58 pm

Tgt Ion:168 Resp: 309651

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	53.0	62.4	93.6#
137	16.1	11.8	17.8

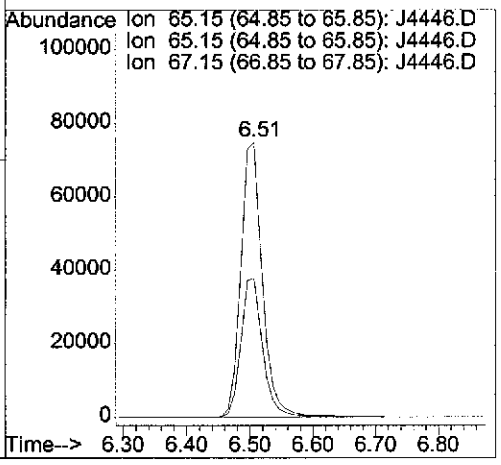


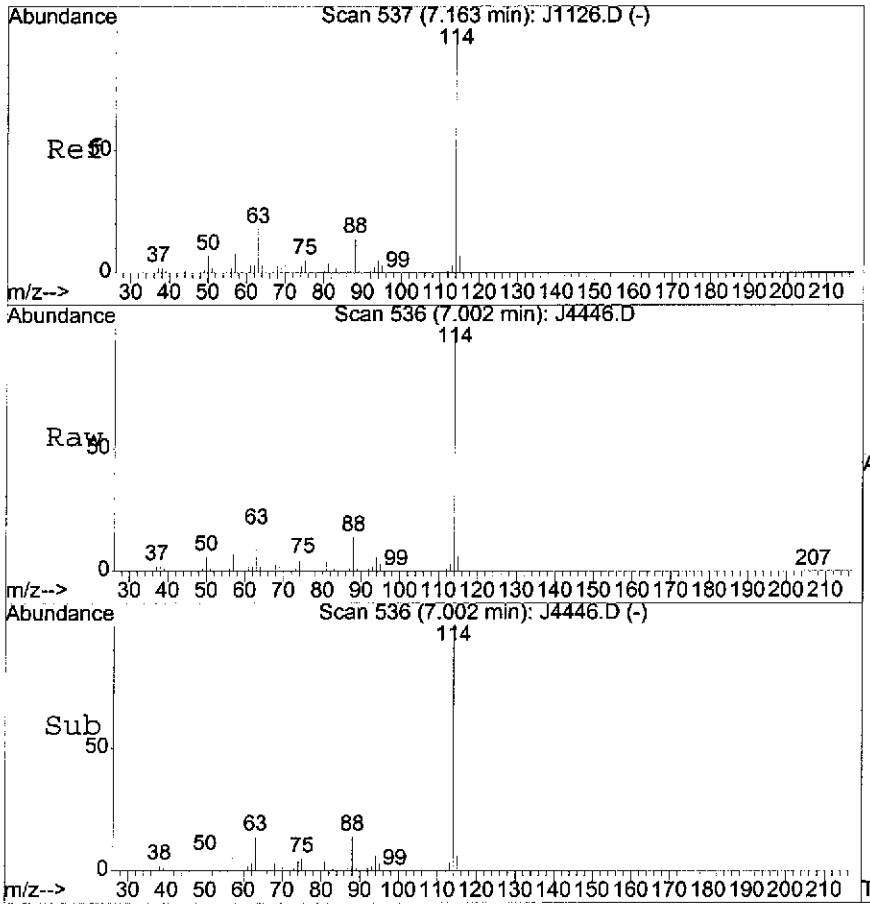


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.51 min Scan# 487
Delta R.T. 0.01 min
Lab File: J4446.D
Acq: 8 Apr 2008 6:58 pm

Tgt Ion: 65 Resp: 177216

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	50.9	47.4	71.2

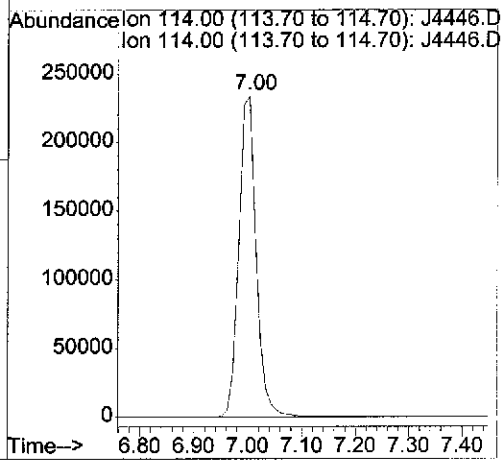


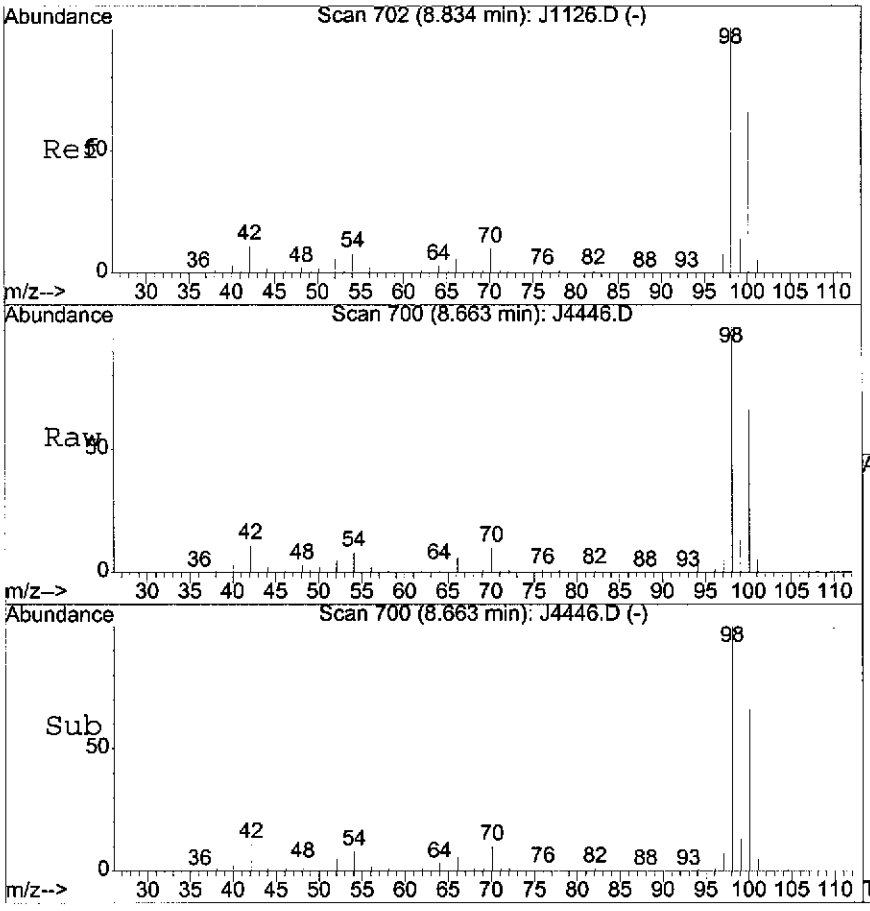


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: J4446.D
Acq: 8 Apr 2008 6:58 pm

Tgt Ion:114 Resp: 522740

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

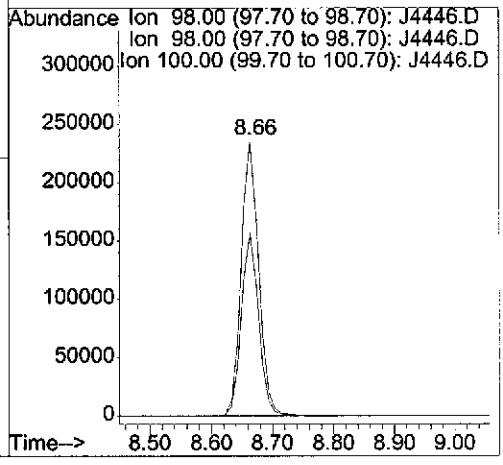


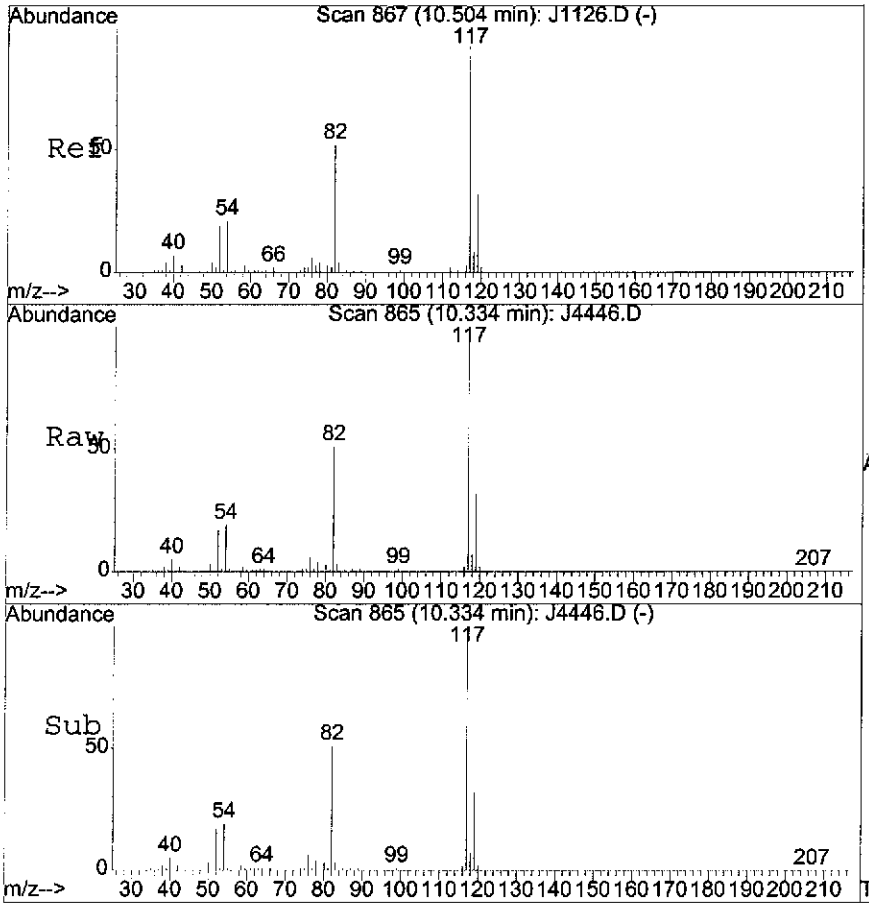


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. -0.00 min
Lab File: J4446.D
Acq: 8 Apr 2008 6:58 pm

Tgt Ion: 98 Resp: 466933

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.0	65.4	98.2

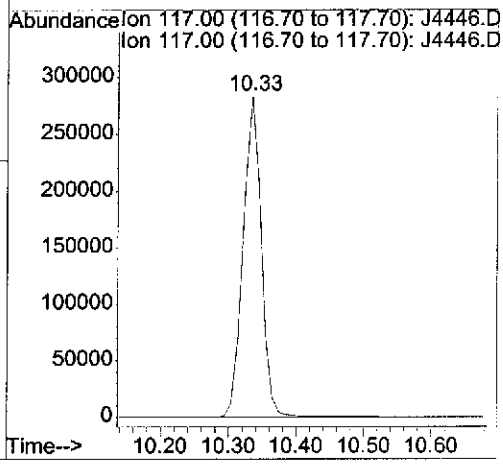


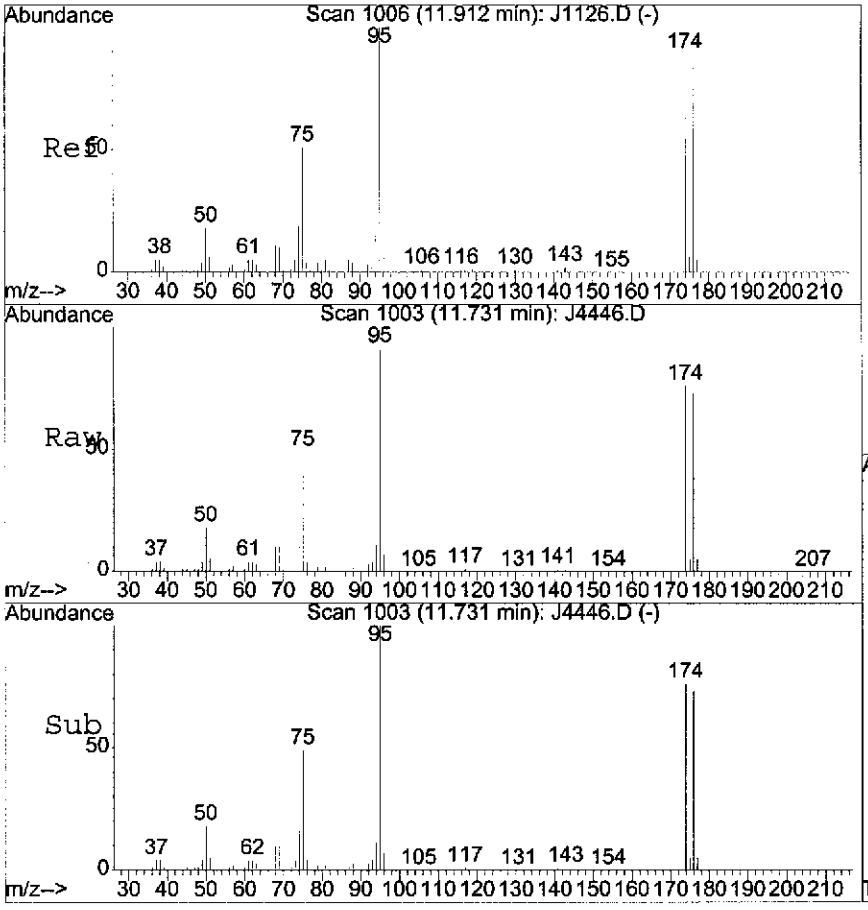


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. -0.00 min
Lab File: J4446.D
Acq: 8 Apr 2008 6:58 pm

Tgt Ion:117 Resp: 534925

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

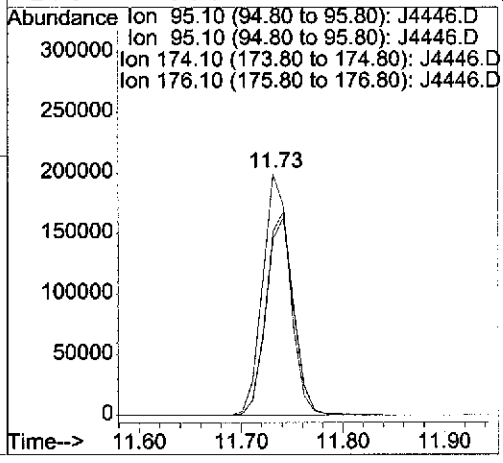




#59
Bromofluorobenzene
Concen: Below UG
RT: 11.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: J4446.D
Acq: 8 Apr 2008 6:58 pm

Tgt Ion: 95 Resp: 372179

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	0.0	50.9	76.3#
176	0.0	48.6	72.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4447.D Vial: 21
Acq On : 8 Apr 2008 7:25 pm Operator: BINXU
Sample : TRIP_BLANK,03767-008,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 18:45:05 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	300776	50.00	UG	0.01
31) 1,4-Difluorobenzene	6.99	114	508848	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	521552	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	175856	50.49	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 100.98%			
41) Toluene-d8	8.66	98	454989	47.37	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.74%			
59) Bromofluorobenzene	11.73	95	366871	47.58	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.16%			

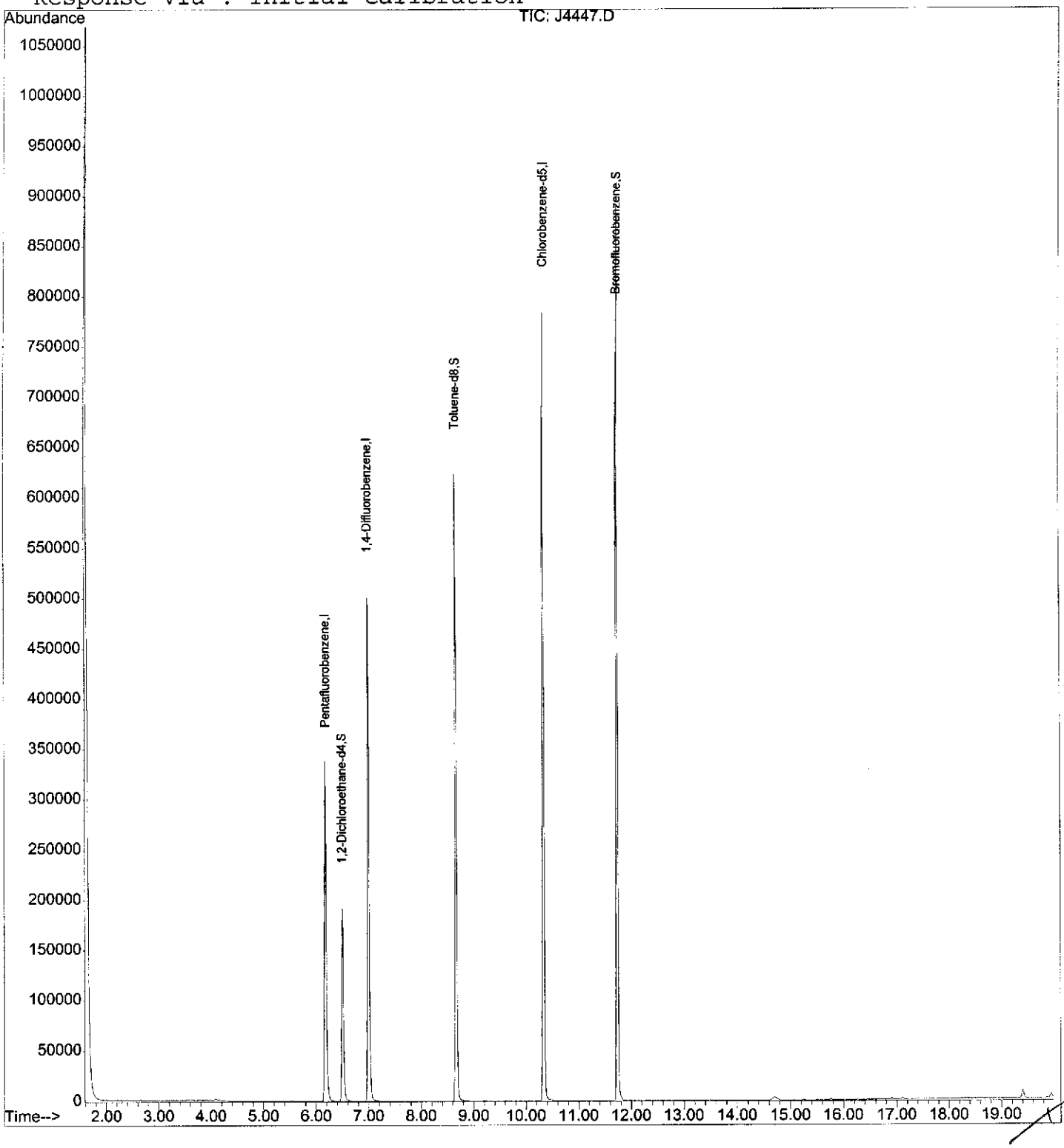
Target Compounds Qvalue

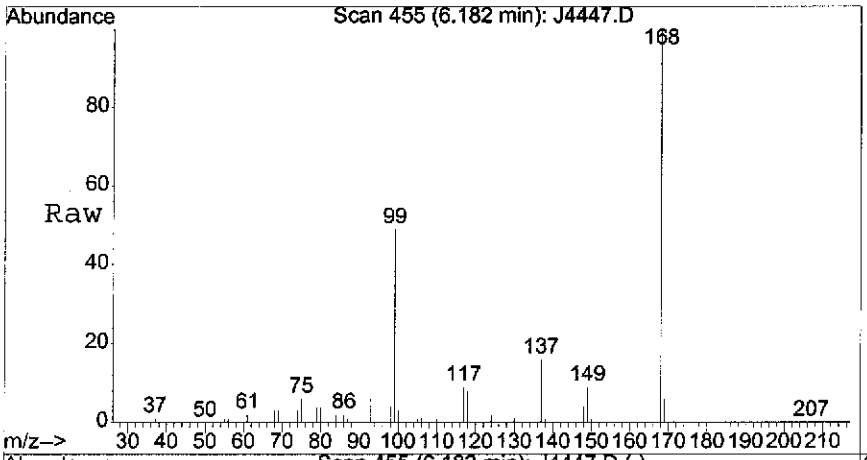
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4447.D Vial: 21
Acq On : 8 Apr 2008 7:25 pm Operator: BINXU
Sample : TRIP_BLANK,03767-008,A,5ml,100 Inst : MSD_J
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:32 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

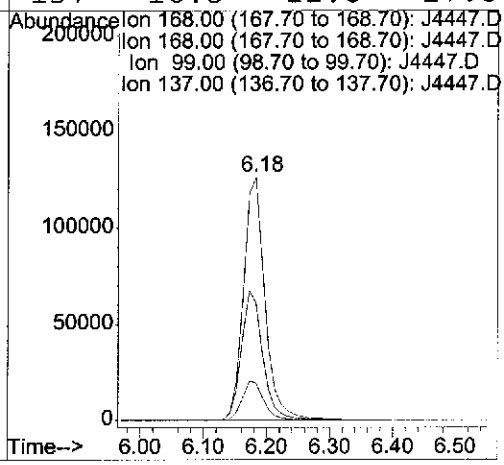


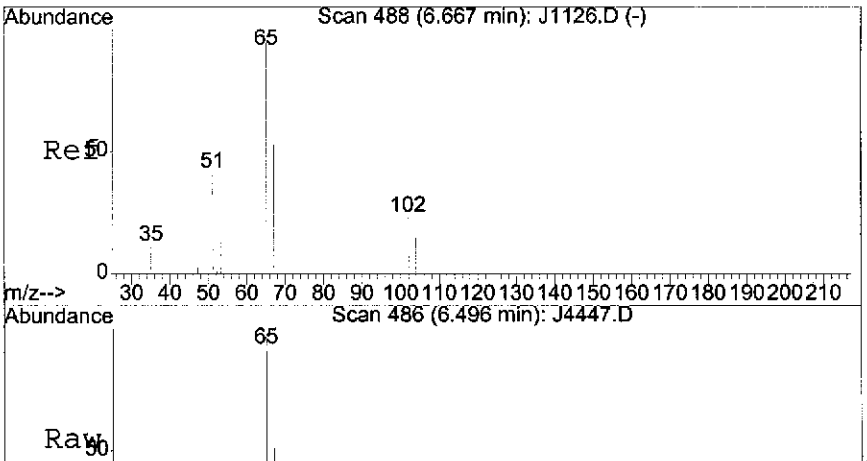


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.18 min Scan# 455
Delta R.T. 0.01 min
Lab File: J4447.D
Acq: 8 Apr 2008 7:25 pm

Tgt Ion:168 Resp: 300776

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	53.3	62.4	93.6#
137	16.3	11.8	17.8

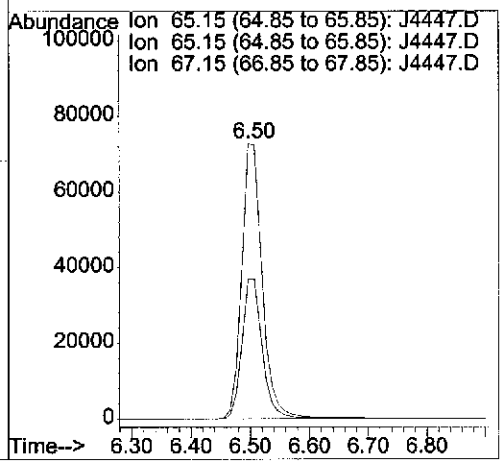


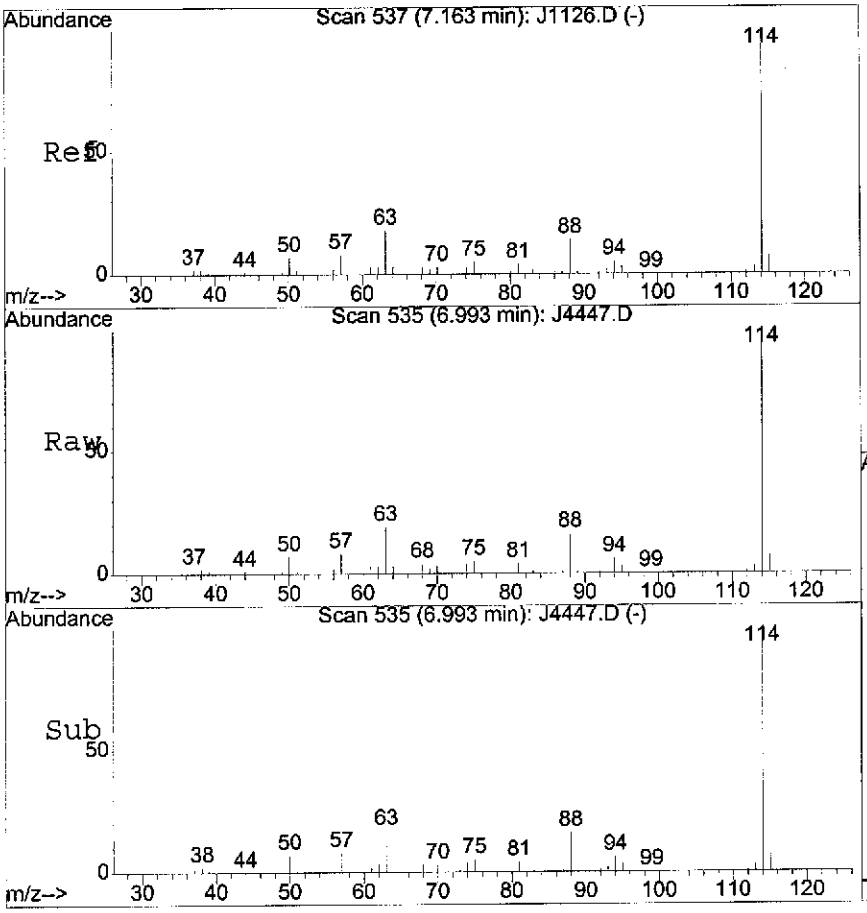


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.50 min Scan# 486
Delta R.T. 0.00 min
Lab File: J4447.D
Acq: 8 Apr 2008 7:25 pm

Tgt Ion: 65 Resp: 175856

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	50.5	47.4	71.2

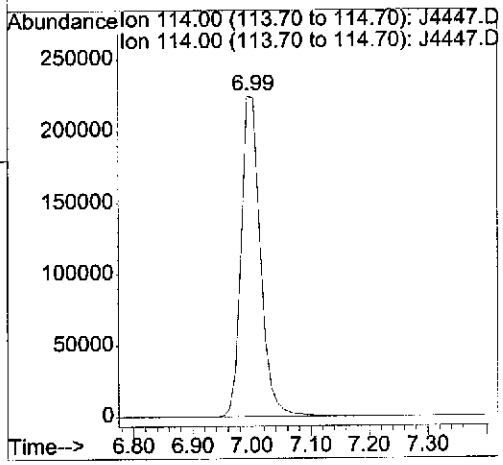


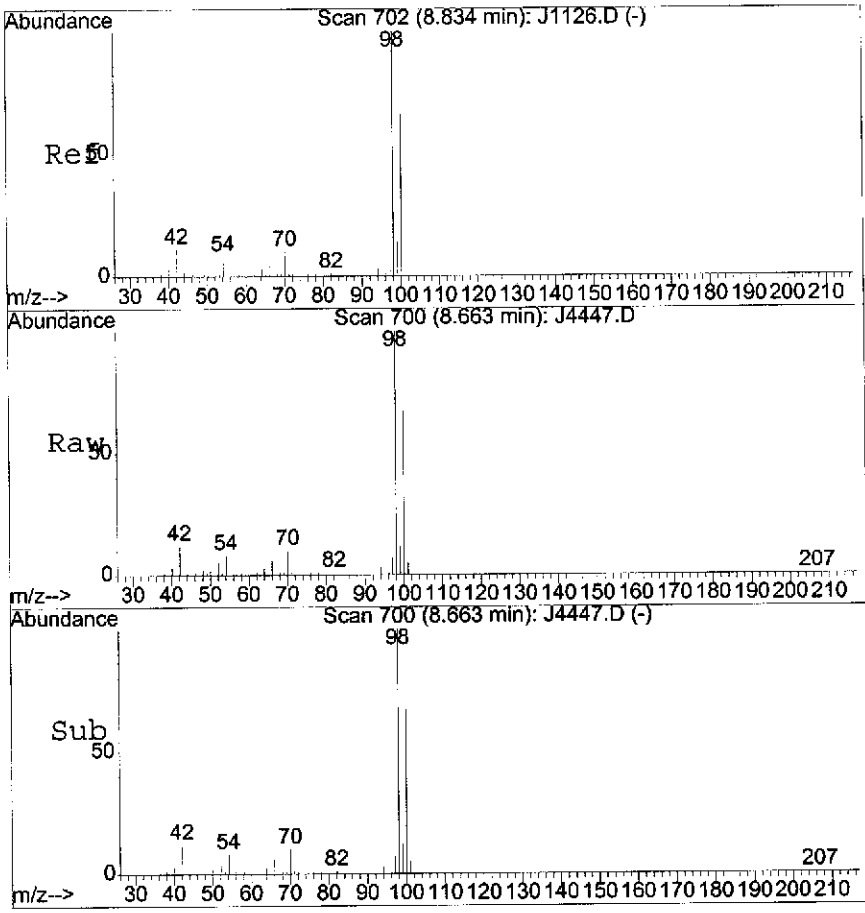


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. 0.00 min
Lab File: J4447.D
Acq: 8 Apr 2008 7:25 pm

Tgt Ion:114 Resp: 508848

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

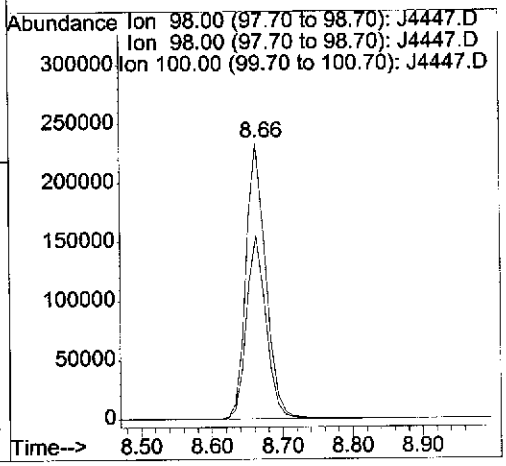


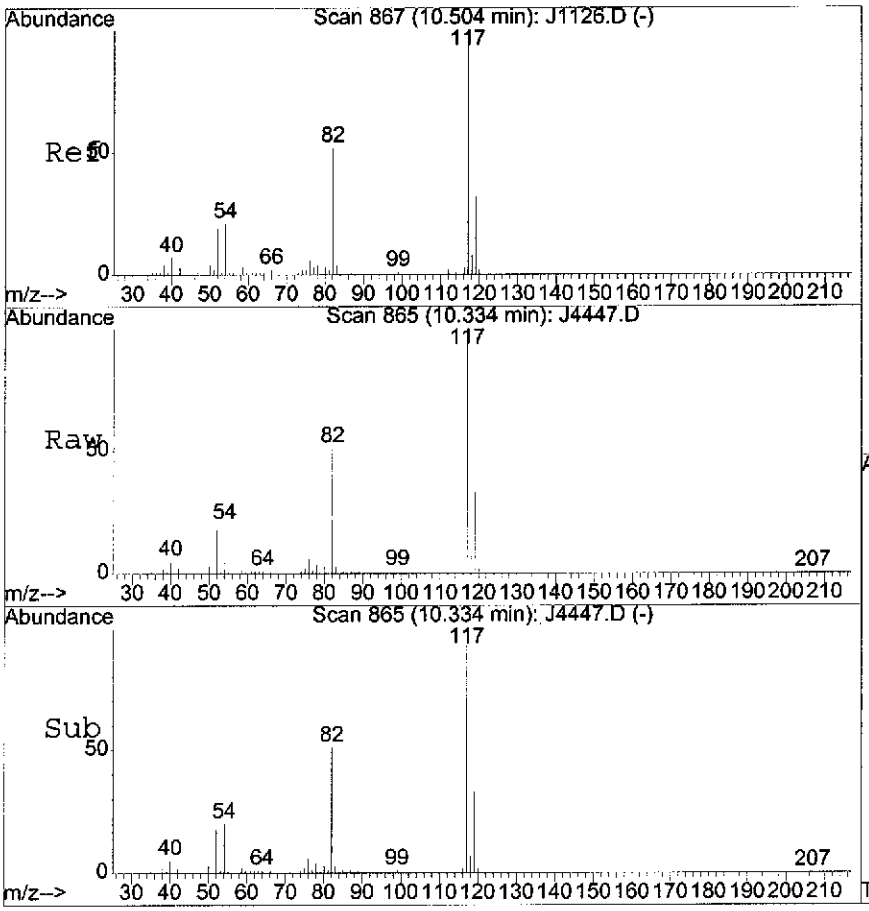


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. 0.00 min
Lab File: J4447.D
Acq: 8 Apr 2008 7:25 pm

Tgt Ion: 98 Resp: 454989

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.1	65.4	98.2

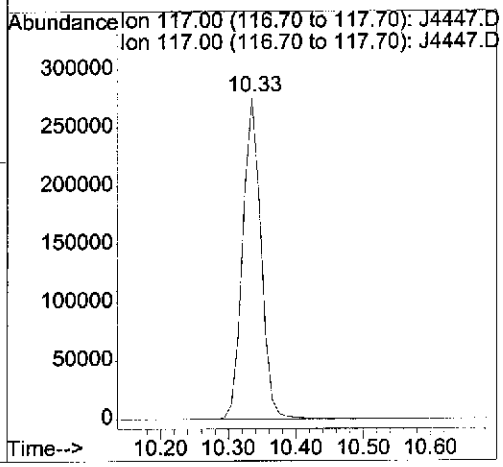


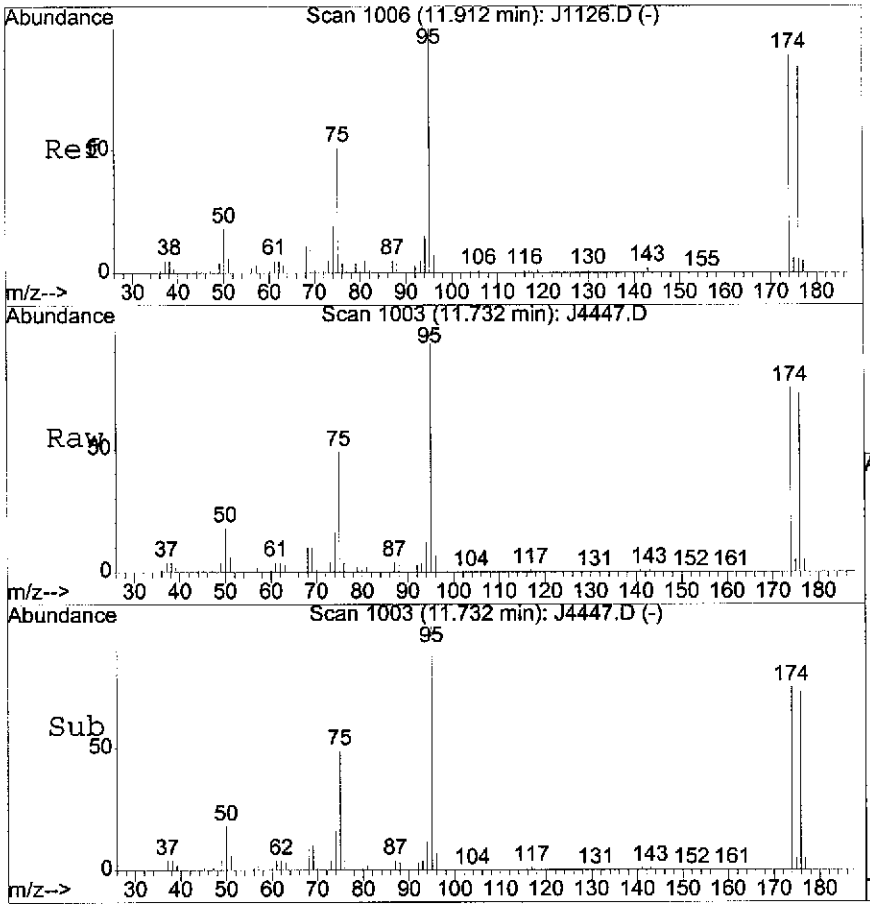


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. 0.00 min
Lab File: J4447.D
Acq: 8 Apr 2008 7:25 pm

Tgt Ion:117 Resp: 521552

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

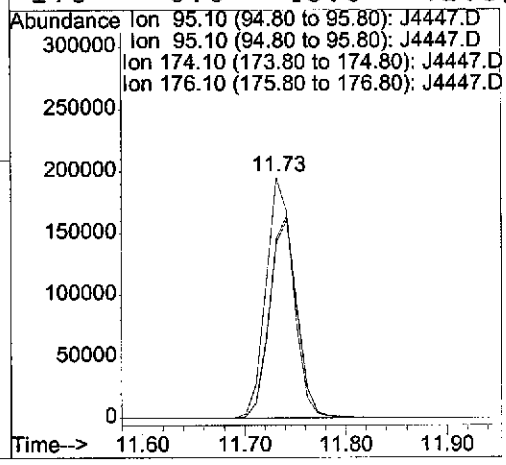




#59
Bromofluorobenzene
Concen: Below UG
RT: 11.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: J4447.D
Acq: 8 Apr 2008 7:25 pm

Tgt Ion: 95 Resp: 366871

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	0.0	50.9	76.3#
176	0.0	48.6	72.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4432.D Vial: 6
Acq On : 8 Apr 2008 12:50 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 12:10:14 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	315988	50.00	UG	0.01
31) 1,4-Difluorobenzene	6.99	114	528142	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	543777	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	177400	48.48	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 96.96%			
41) Toluene-d8	8.66	98	475131	47.66	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 95.32%			
59) Bromofluorobenzene	11.73	95	384946	47.88	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.76%			

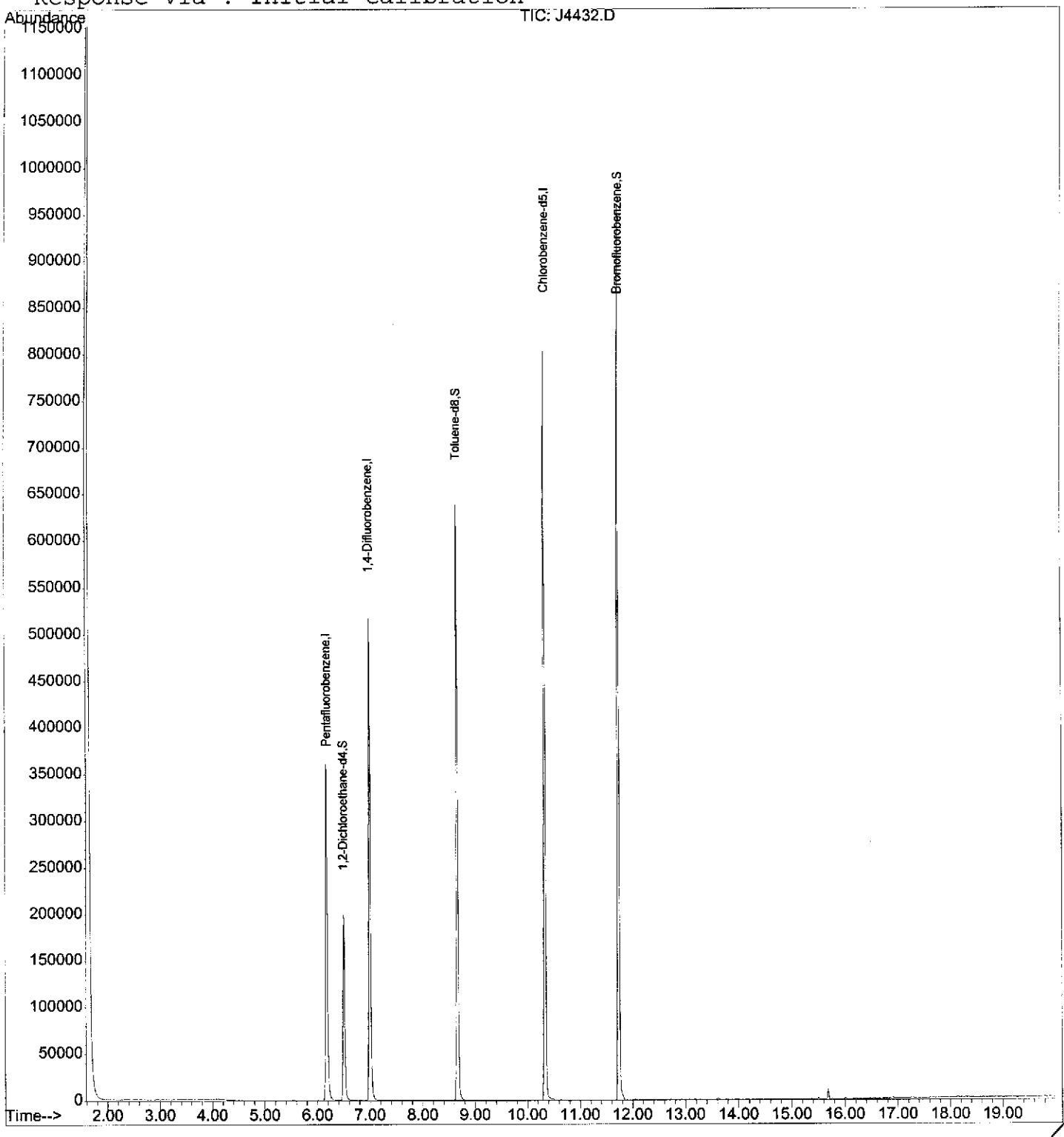
Target Compounds Qvalue

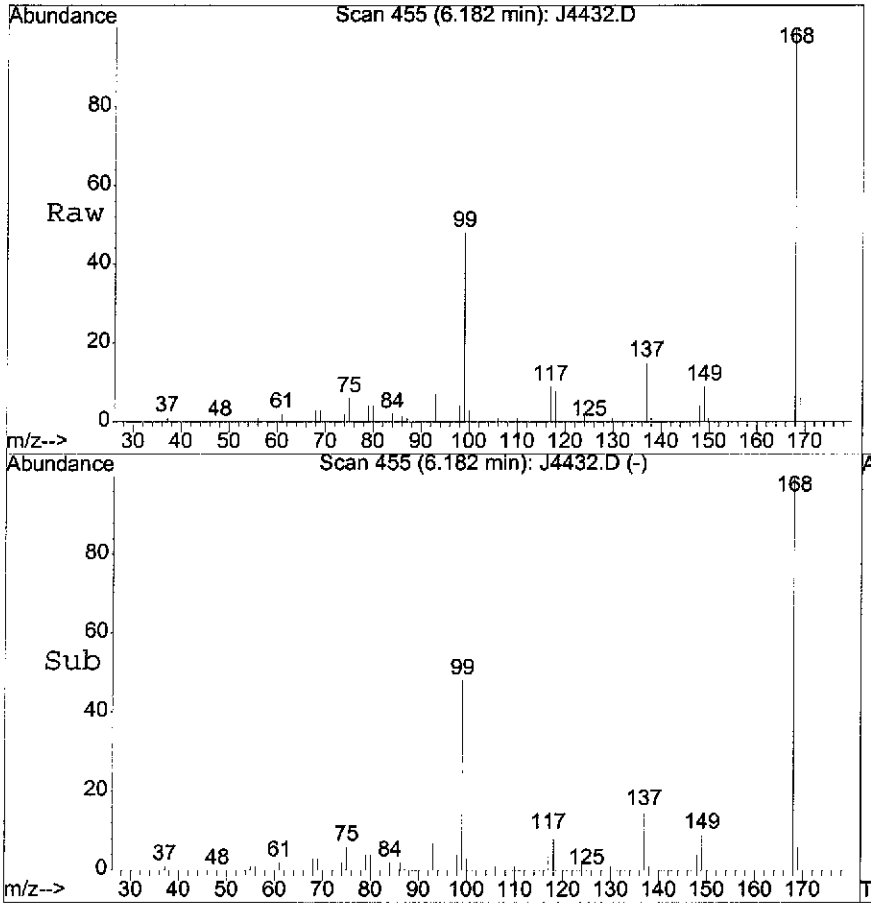
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4432.D Vial: 6
Acq On : 8 Apr 2008 12:50 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 10:24 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

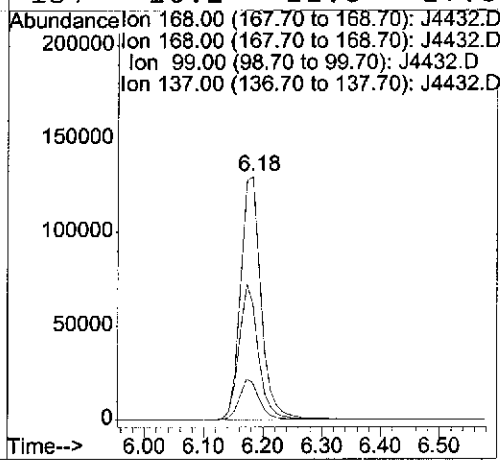


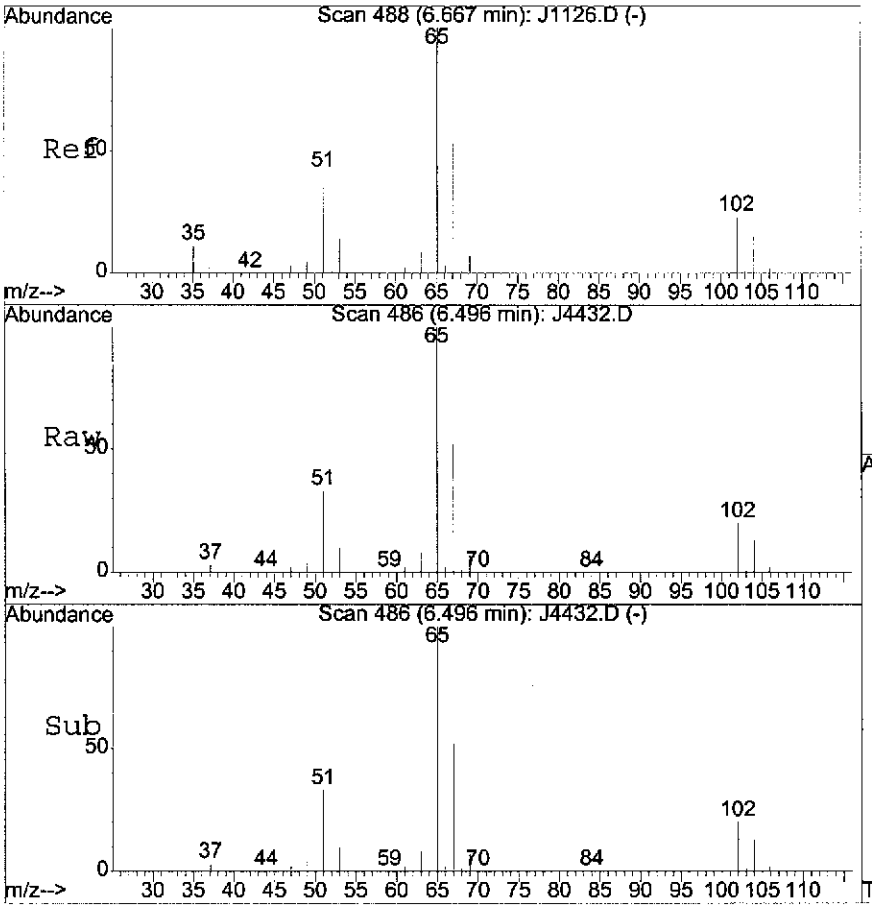


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.18 min Scan# 455
Delta R.T. 0.01 min
Lab File: J4432.D
Acq: 8 Apr 2008 12:50 pm

Tgt Ion:168 Resp: 315988

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	52.8	62.4	93.6#
137	16.2	11.8	17.8

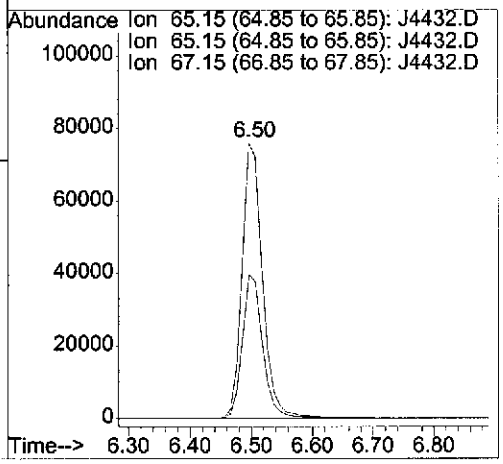


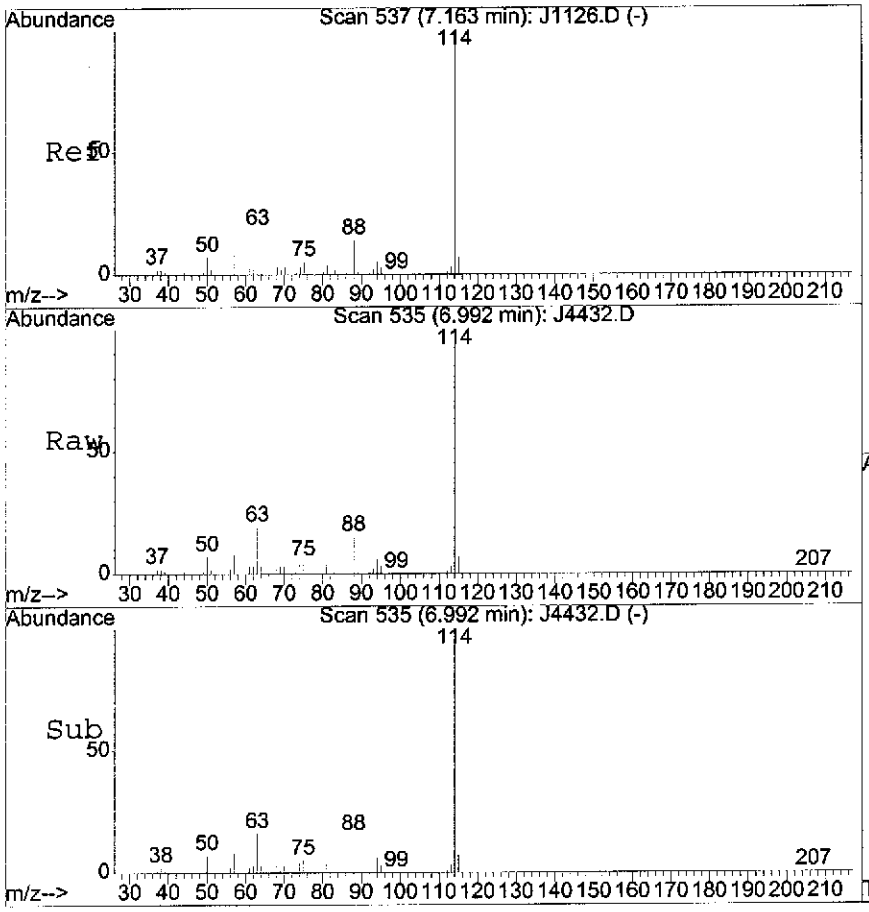


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.50 min Scan# 486
Delta R.T. -0.00 min
Lab File: J4432.D
Acq: 8 Apr 2008 12:50 pm

Tgt Ion: 65 Resp: 177400

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	51.7	47.4	71.2

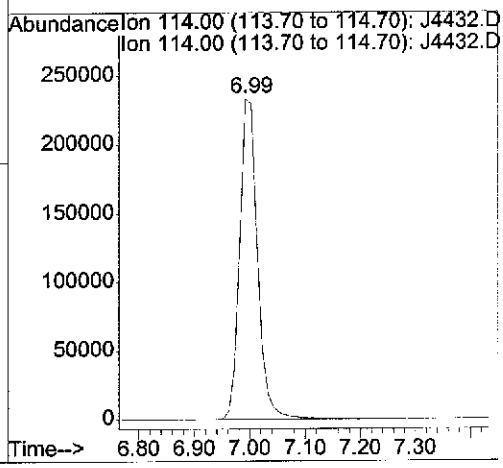


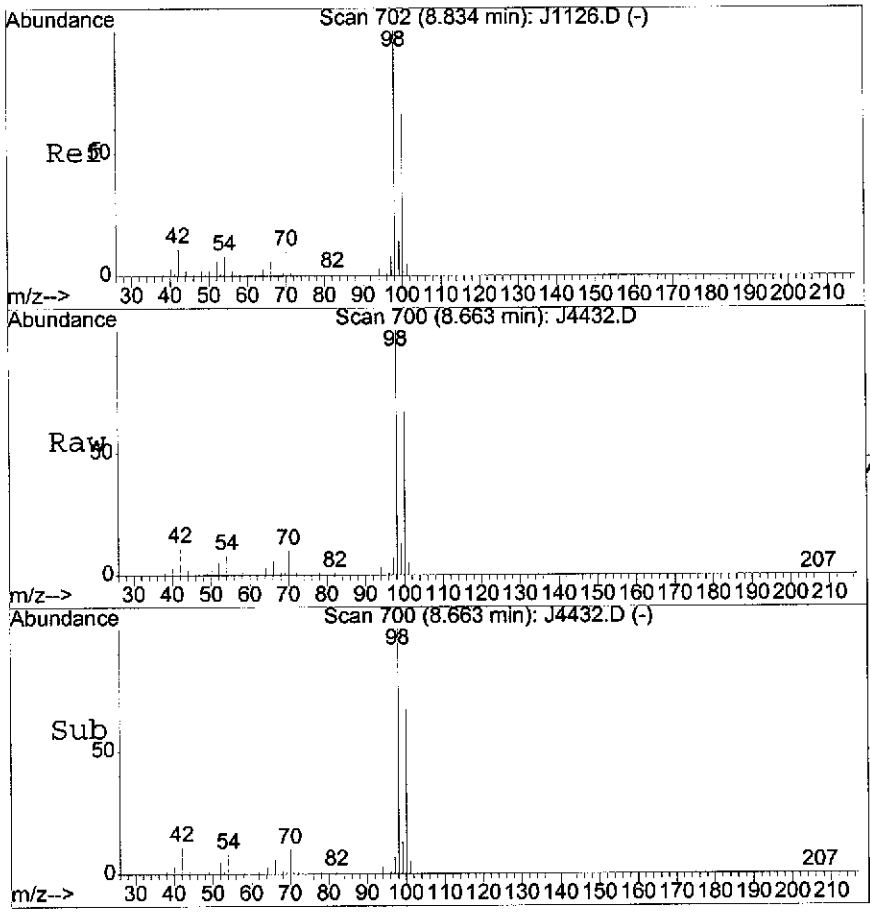


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. -0.00 min
Lab File: J4432.D
Acq: 8 Apr 2008 12:50 pm

Tgt Ion:114 Resp: 528142

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

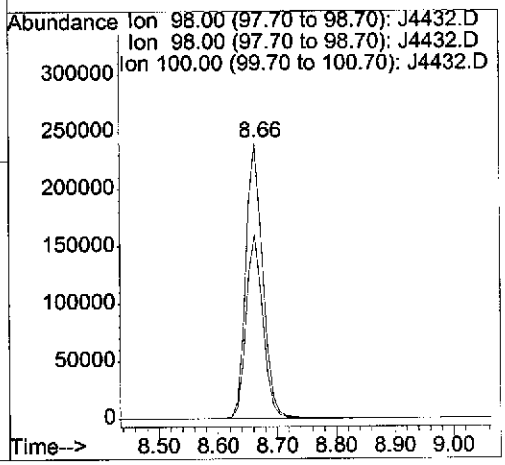


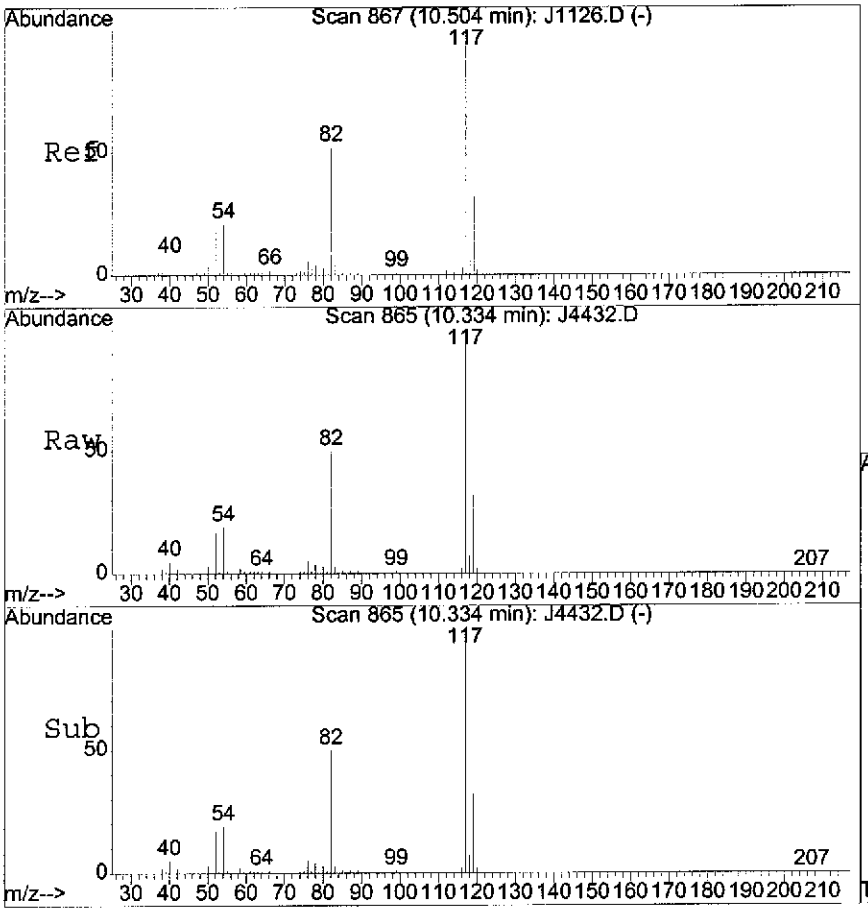


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. -0.00 min
Lab File: J4432.D
Acq: 8 Apr 2008 12:50 pm

Tgt Ion: 98 Resp: 475131

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.2	65.4	98.2

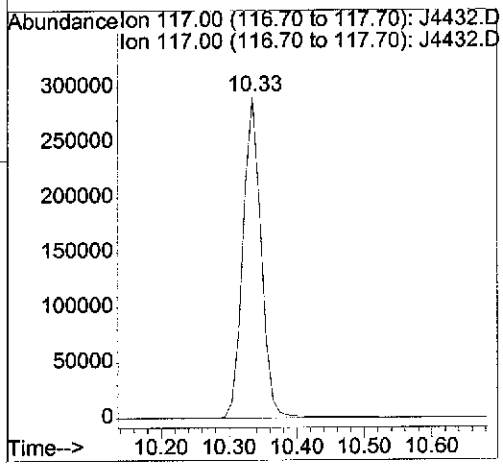


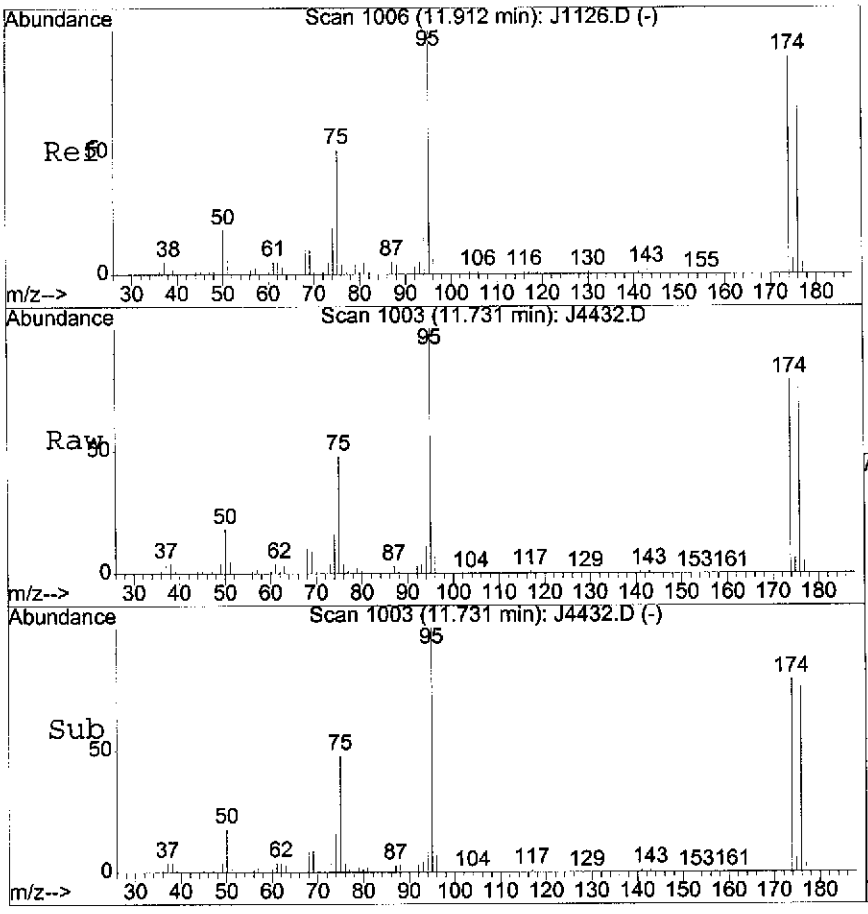


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. -0.00 min
Lab File: J4432.D
Acq: 8 Apr 2008 12:50 pm

Tgt Ion:117 Resp: 543777

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

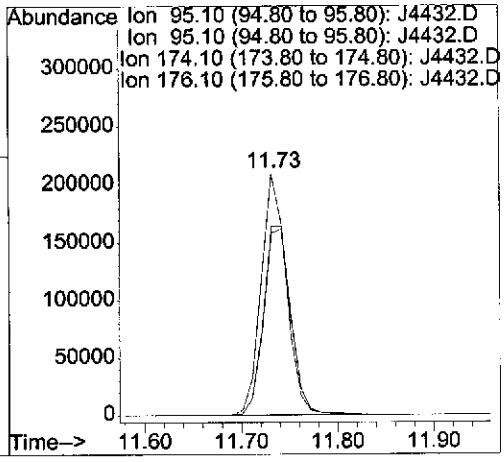




#59
Bromofluorobenzene
Concen: Below UG
RT: 11.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: J4432.D
Acq: 8 Apr 2008 12:50 pm

Tgt Ion: 95 Resp: 384946

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	0.0	50.9	76.3#
176	0.0	48.6	72.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4347.D Vial: 13
Acq On : 3 Apr 2008 2:51 pm Operator: BINXU
Sample : 1PPB,STD-1PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 15:11:57 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	285519	50.00	UG		0.01
31) 1,4-Difluorobenzene	7.00	114	500982	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	498356	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	175606	50.98	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 101.96%				
41) Toluene-d8	8.66	98	453946	55.31	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 110.62%				
59) Bromofluorobenzene	11.73	95	358083	55.95	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 111.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.76	85	3736m	1.10	UG		
3) Chloromethane	1.95	50	4857	0.75	UG	#	84
4) Vinyl chloride	2.07	62	3630	1.17	UG	#	95
5) Bromomethane	2.46	94	2977	0.83	UG	#	74
6) Chloroethane	2.57	64	2079	1.33	UG	#	87
7) Trichlorofluoromethane	2.86	101	6053m	1.08	UG		
8) Acrolein	3.38	56	22681	52.42	UG		98
9) 1,1-Dichloroethene	3.49	96	2795m	0.98	UG		
10) Acetone	3.56	43	2636m	0.78	UG		
11) Carbon disulfide	3.75	76	10465	0.88	UG		100
12) Vinyl acetate	5.00	43	11659	1.19	UG	#	100
13) Methylene chloride	4.09	84	4056	0.92	UG	#	66
14) Acrylonitrile	4.38	53	81666	54.21	UG		100
15) tert-Butyl alcohol (TBA)	4.27	59	932	3.39	UG	#	100
16) trans-1,2-Dichloroethene	4.41	96	4228	1.09	UG	#	31
17) Methyl tert-butyl ether (M	4.43	73	8581	1.04	UG		100
18) 1,1-Dichloroethane	4.91	63	6275	1.03	UG		99
19) Diisopropyl ether (DIPE)	5.01	45	10237	1.17	UG	#	73
20) cis-1,2-Dichloroethene	5.57	96	3983	1.27	UG	#	72
21) 2,2-Dichloropropane	5.57	77	2552	1.13	UG	#	45
22) 2-Butanone (MEK)	5.62	43	2237	1.24	UG	#	98
23) Bromochloromethane	5.85	128	2129	1.11	UG	#	30
24) Tetrahydrofuran	6.21	42	1096	1.09	UG	#	25
25) Chloroform	5.94	83	6567	1.03	UG		99
26) 1,1,1-Trichloroethane	6.15	97	4871	1.11	UG	#	34
27) Carbon tetrachloride	6.33	117	4191	1.20	UG		100
28) 1,1-Dichloropropene	6.33	75	4940	1.13	UG	#	66
29) 1,2-Dichloroethane (EDC)	6.59	62	5871	1.10	UG		100
32) Benzene	6.57	78	14692	1.11	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4347.D Vial: 13
Acq On : 3 Apr 2008 2:51 pm Operator: BINXU
Sample : 1PPB,STD-1PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 15:11:57 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
33)	Trichloroethene	7.29	95	3887	1.17	UG	#	85
34)	1,2-Dichloropropane	7.54	63	3407	1.09	UG	#	100
35)	Dibromomethane	7.67	93	2374	1.03	UG	#	83
36)	1,4-Dioxane	7.70	88	22407	806.52	UG	#	63
37)	Bromodichloromethane	7.85	83	4302	1.20	UG	#	98
38)	2-Chloroethyl vinyl ether	8.19	63	874	2.45	UG	#	94
39)	cis-1,3-Dichloropropene	8.35	75	3709	1.36	UG		99
40)	4-Methyl-2-pentanone (MIBK	8.53	43	3604	1.50	UG		98
42)	Toluene	8.73	92	9797	1.12	UG		99
43)	trans-1,3-Dichloropropene	8.99	75	3369	1.40	UG		99
44)	1,1,2-Trichloroethane	9.20	83	2824	1.21	UG	#	55
45)	Tetrachloroethene	9.37	166	4855	1.16	UG	#	68
46)	1,3-Dichloropropane	9.39	76	5945	1.20	UG	#	96
47)	2-Hexanone	9.48	43	2659	1.61	UG		99
48)	Dibromochloromethane	9.66	129	2620	1.25	UG		99
49)	1,2-Dibromoethane (EDB)	9.80	107	3667	1.31	UG		99
51)	Chlorobenzene	10.36	112	12834	1.10	UG	#	74
52)	1,1,1,2-Tetrachloroethane	10.46	131	3548	1.23	UG	#	79
53)	Ethylbenzene	10.50	91	17323	1.21	UG		98
54)	m,p-Xylene	10.64	106	13570	2.42	UG		93
55)	o-Xylene	11.10	106	5997	1.26	UG		89
56)	Styrene	11.12	104	9517	1.29	UG		98
57)	Bromoform	11.35	173	1188	1.46	UG	#	78
58)	Isopropylbenzene	11.55	105	12333	1.32	UG		98
60)	1,1,2,2-Tetrachloroethane	11.90	83	5612	1.25	UG	#	98
61)	Bromobenzene	11.91	156	5704	1.15	UG	#	36
62)	1,2,3-Trichloropropane	11.95	75	4736	1.19	UG	#	84
63)	n-Propylbenzene	12.05	91	21392	1.31	UG		99
64)	2-Chlorotoluene	12.16	91	14369m	1.28	UG		
65)	1,3,5-Trimethylbenzene	12.26	105	14971	1.28	UG		97
66)	4-Chlorotoluene	12.28	91	17965	1.30	UG		99
67)	tert-Butylbenzene	12.66	119	11157	1.24	UG	#	57
68)	1,2,4-Trimethylbenzene	12.72	105	15578	1.33	UG		99
69)	sec-Butylbenzene	12.94	105	18909	1.37	UG		99
70)	1,3-Dichlorobenzene	13.07	146	12559	1.24	UG	#	84
71)	4-Isopropyltoluene	13.11	119	16108	1.39	UG	#	90
72)	1,4-Dichlorobenzene	13.18	146	13296	1.32	UG		99
73)	n-Butylbenzene	13.61	92	7507	1.50	UG		98
74)	1,2-Dichlorobenzene	13.64	146	12196	1.24	UG	#	83
75)	1,2-Dibromo-3-chloropropan	14.58	75	696	1.36	UG	#	82
76)	1,2,4-Trichlorobenzene	15.50	180	6368	1.54	UG		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4347.D Vial: 13
Acq On : 3 Apr 2008 2:51 pm Operator: BINXU
Sample : 1PPB,STD-1PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 15:11:57 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

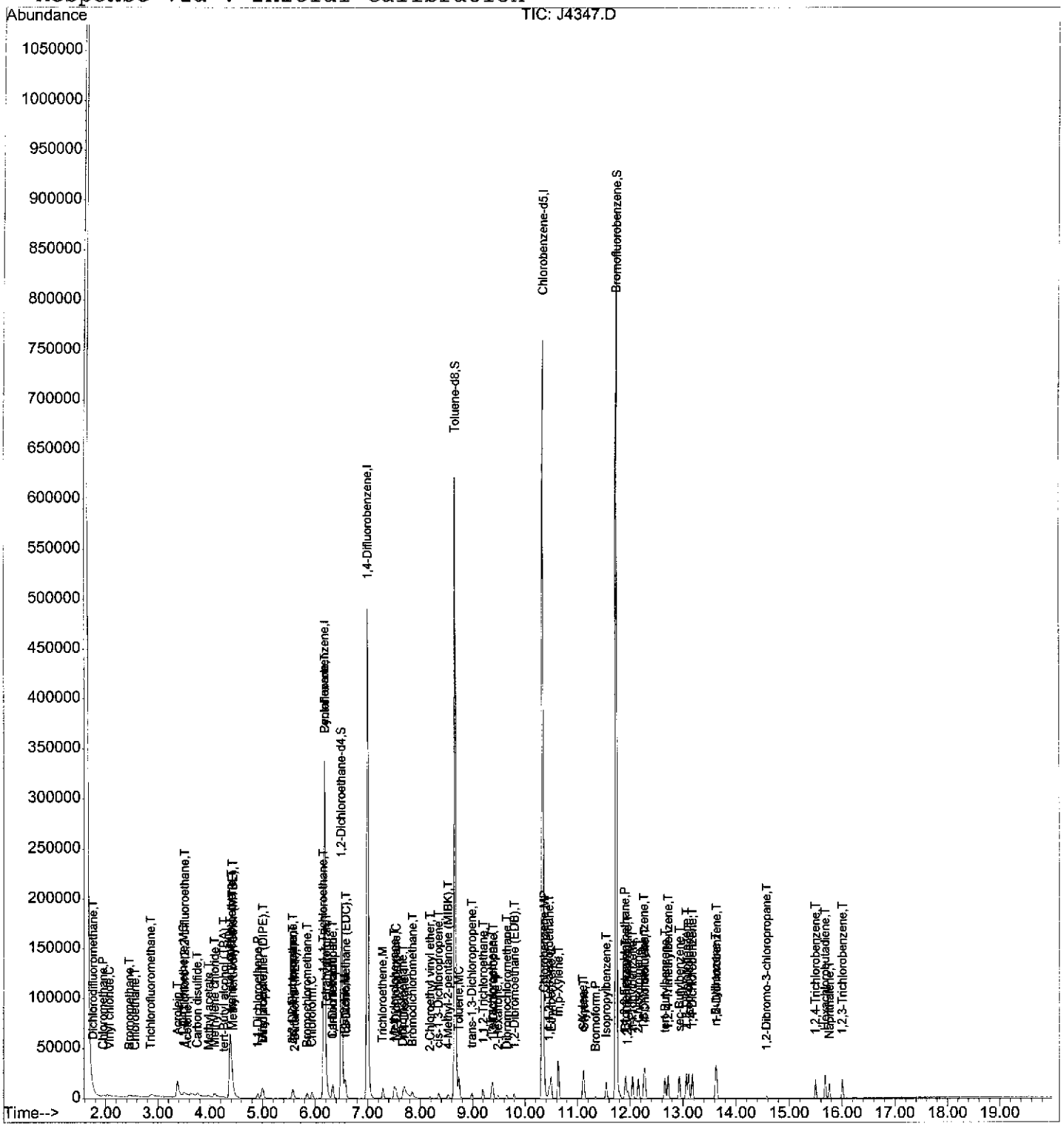
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Hexachlorobutadiene	15.68	225	4767	1.96	UG		98
78)	Naphthalene	15.76	128	11987	1.64	UG		100
79)	1,2,3-Trichlorobenzene	16.00	180	6122	1.50	UG		96
80)	1,1,2-Trichloro-1,2,2-trif	3.51	101	2194m	0.90	UG		
81)	Methyl acetate	3.97	43	3175m	0.90	UG		
82)	Cyclohexane	6.18	56	5172m	0.58	UG		
83)	Methylcyclohexane	7.51	55	4208	1.51	UG	#	85

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4347.D Vial: 13
Acq On : 3 Apr 2008 2:51 pm Operator: BINXU
Sample : 1PPB,STD-1PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 4 9:50 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4346.D Vial: 12
Acq On : 3 Apr 2008 2:24 pm Operator: BINXU
Sample : 5PPB,STD-5PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 14:44:57 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	261582	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.99	114	453491	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	451429	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	160157	50.75	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 101.50%				
41) Toluene-d8	8.66	98	416866	56.12	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 112.24%				
59) Bromofluorobenzene	11.73	95	327915	56.57	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 113.14%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.76	85	15461	4.95	UG	#	96
3) Chloromethane	1.95	50	19224	3.23	UG		100
4) Vinyl chloride	2.07	62	16684	5.89	UG		99
5) Bromomethane	2.45	94	11677	3.57	UG		99
6) Chloroethane	2.59	64	9146	6.40	UG	#	87
7) Trichlorofluoromethane	2.86	101	23832m	4.63	UG		
8) Acrolein	3.37	56	44610	112.53	UG	#	63
9) 1,1-Dichloroethene	3.49	96	10999	4.23	UG	#	8
10) Acetone	3.57	43	11021m	3.57	UG		
11) Carbon disulfide	3.75	76	42715	3.92	UG		100
12) Vinyl acetate	4.98	43	55958	6.25	UG	#	100
13) Methylene chloride	4.08	84	15926	3.95	UG	#	27
14) Acrylonitrile	4.38	53	158764	115.03	UG		100
15) tert-Butyl alcohol (TBA)	4.28	59	3451	13.71	UG	#	98
16) trans-1,2-Dichloroethene	4.41	96	17913	5.03	UG	#	31
17) Methyl tert-butyl ether (M	4.42	73	41411	5.47	UG		100
18) 1,1-Dichloroethane	4.91	63	29459	5.26	UG		99
19) Diisopropyl ether (DIPE)	5.01	45	52044	6.51	UG	#	71
20) cis-1,2-Dichloroethene	5.57	96	17635	6.11	UG	#	41
21) 2,2-Dichloropropane	5.57	77	12362	5.96	UG	#	40
22) 2-Butanone (MEK)	5.61	43	10088	6.12	UG		99
23) Bromochloromethane	5.85	128	10041	5.71	UG	#	30
24) Tetrahydrofuran	6.21	42	5013	5.42	UG	#	25
25) Chloroform	5.94	83	30263	5.16	UG		97
26) 1,1,1-Trichloroethane	6.15	97	21934	5.44	UG	#	34
27) Carbon tetrachloride	6.33	117	18703	5.85	UG		99
28) 1,1-Dichloropropene	6.33	75	20376	5.09	UG	#	66
29) 1,2-Dichloroethane (EDC)	6.59	62	25439	5.19	UG		99
32) Benzene	6.57	78	66204	5.52	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4346.D Vial: 12
Acq On : 3 Apr 2008 2:24 pm Operator: BINXU
Sample : 5PPB,STD-5PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 14:44:57 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
33)	Trichloroethene	7.29	95	17223	5.73	UG		91
34)	1,2-Dichloropropane	7.54	63	16536	5.84	UG		100
35)	Dibromomethane	7.67	93	11463	5.48	UG	#	87
36)	1,4-Dioxane	7.70	88	43452	1727.81	UG		97
37)	Bromodichloromethane	7.84	83	20681	6.36	UG		99
38)	2-Chloroethyl vinyl ether	8.19	63	5066	15.71	UG		98
39)	cis-1,3-Dichloropropene	8.35	75	21237	8.62	UG		99
40)	4-Methyl-2-pentanone (MIBK	8.53	43	16686	7.68	UG		98
42)	Toluene	8.73	92	41945	5.32	UG		99
43)	trans-1,3-Dichloropropene	8.99	75	19612	9.03	UG		100
44)	1,1,2-Trichloroethane	9.19	83	12865	6.09	UG		98
45)	Tetrachloroethene	9.37	166	18253	4.81	UG	#	68
46)	1,3-Dichloropropane	9.39	76	27535	6.15	UG		98
47)	2-Hexanone	9.48	43	13210	8.81	UG		100
48)	Dibromochloromethane	9.66	129	14238	7.50	UG		98
49)	1,2-Dibromoethane (EDB)	9.79	107	16850	6.65	UG		99
51)	Chlorobenzene	10.36	112	54204	5.15	UG	#	74
52)	1,1,1,2-Tetrachloroethane	10.47	131	17271	6.60	UG	#	79
53)	Ethylbenzene	10.50	91	77269	5.93	UG		99
54)	m,p-Xylene	10.64	106	65258	12.87	UG		89
55)	o-Xylene	11.10	106	29891	6.95	UG		90
56)	Styrene	11.12	104	51180	7.65	UG		97
57)	Bromoform	11.35	173	7027	9.51	UG	#	81
58)	Isopropylbenzene	11.55	105	58630	6.94	UG		99
60)	1,1,2,2-Tetrachloroethane	11.90	83	23724	5.81	UG		99
61)	Bromobenzene	11.92	156	24340	5.40	UG	#	36
62)	1,2,3-Trichloropropane	11.95	75	20925	5.80	UG	#	84
63)	n-Propylbenzene	12.05	91	87792	5.91	UG		99
64)	2-Chlorotoluene	12.16	91	60358m	5.93	UG		
65)	1,3,5-Trimethylbenzene	12.26	105	69709	6.57	UG		98
66)	4-Chlorotoluene	12.29	91	73788	5.88	UG		99
67)	tert-Butylbenzene	12.66	119	50569	6.22	UG	#	57
68)	1,2,4-Trimethylbenzene	12.72	105	76633	7.20	UG		99
69)	sec-Butylbenzene	12.94	105	81162	6.50	UG		99
70)	1,3-Dichlorobenzene	13.07	146	49999m	5.43	UG		
71)	4-Isopropyltoluene	13.11	119	73335	7.01	UG	#	90
72)	1,4-Dichlorobenzene	13.18	146	53321	5.86	UG		100
73)	n-Butylbenzene	13.62	92	32281	7.13	UG		96
74)	1,2-Dichlorobenzene	13.64	146	51169	5.76	UG	#	83
75)	1,2-Dibromo-3-chloropropan	14.58	75	3865	8.34	UG		91
76)	1,2,4-Trichlorobenzene	15.50	180	26090	6.95	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4346.D Vial: 12
Acq On : 3 Apr 2008 2:24 pm Operator: BINXU
Sample : 5PPB,STD-5PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 14:44:57 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

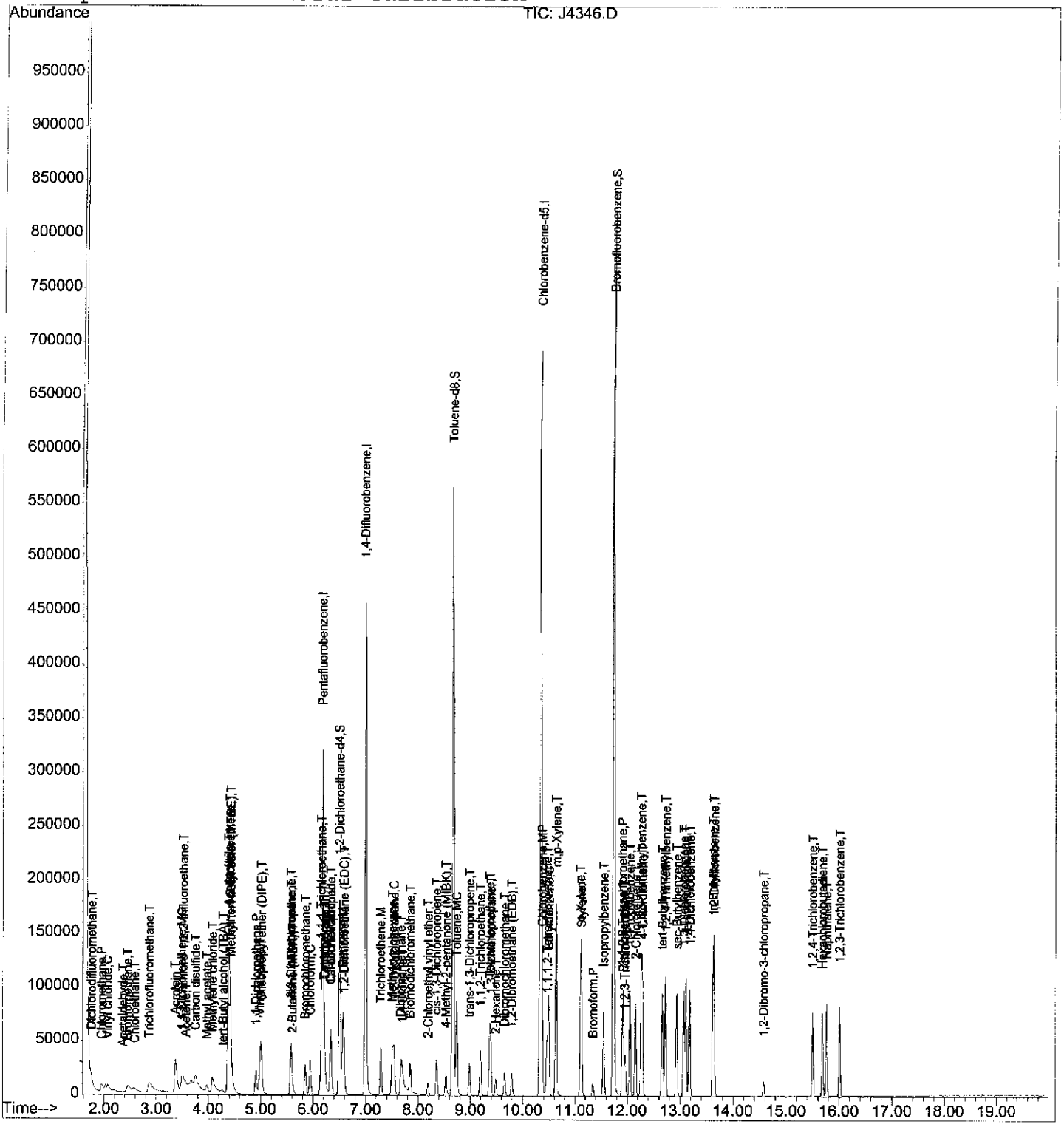
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Hexachlorobutadiene	15.68	225	15084	6.86	UG		98
78)	Naphthalene	15.76	128	67427	10.17	UG		100
79)	1,2,3-Trichlorobenzene	16.00	180	26995	7.28	UG		99
80)	1,1,2-Trichloro-1,2,2-trif	3.52	101	14387m	6.48	UG		
81)	Methyl acetate	3.97	43	13830	4.32	UG		99
82)	Cyclohexane	6.21	56	26746	3.30	UG	#	91
83)	Methylcyclohexane	7.51	55	15562	6.15	UG	#	84
84)	Acetaldehyde	2.36	44	104	26.86	UG	#	68

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4346.D Vial: 12
Acq On : 3 Apr 2008 2:24 pm Operator: BINXU
Sample : 5PPB,STD-5PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 4 9:06 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4340.D Vial: 6
Acq On : 3 Apr 2008 11:45 am Operator: BINXU
Sample : 20PPB,STD-20PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 12:05:03 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	241014	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.99	114	429830	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	439577	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	146634	50.43	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 100.86%				
41) Toluene-d8	8.66	98	405191	57.55	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 115.10%				
59) Bromofluorobenzene	11.73	95	319501	56.60	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 113.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.76	85	62309	21.67	UG		97
3) Chloromethane	1.96	50	80202	14.60	UG		98
4) Vinyl chloride	2.07	62	66758	25.57	UG		99
5) Bromomethane	2.46	94	44626	14.82	UG		97
6) Chloroethane	2.58	64	38599	29.32	UG		98
7) Trichlorofluoromethane	2.86	101	88126	18.57	UG		99
8) Acrolein	3.37	56	79502	217.66	UG		99
9) 1,1-Dichloroethene	3.50	96	47856	19.96	UG	#	8
10) Acetone	3.56	43	24506	8.61	UG		99
11) Carbon disulfide	3.76	76	184039	18.32	UG		100
12) Vinyl acetate	4.98	43	206583	25.06	UG	#	100
13) Methylene chloride	4.09	84	66021	17.78	UG	#	31
14) Acrylonitrile	4.38	53	263889	207.52	UG	#	100
15) tert-Butyl alcohol (TBA)	4.26	59	14815	63.90	UG	#	100
16) trans-1,2-Dichloroethene	4.41	96	63638	19.38	UG	#	31
17) Methyl tert-butyl ether (M	4.42	73	141740	20.33	UG		100
18) 1,1-Dichloroethane	4.91	63	111442	21.59	UG		100
19) Diisopropyl ether (DIPE)	5.00	45	200501	27.24	UG	#	71
20) cis-1,2-Dichloroethene	5.57	96	65238	24.55	UG	#	41
21) 2,2-Dichloropropane	5.57	77	45151	23.64	UG	#	41
22) 2-Butanone (MEK)	5.61	43	33502	22.04	UG		99
23) Bromochloromethane	5.85	128	37414	23.10	UG	#	31
24) Tetrahydrofuran	6.21	42	22554	26.47	UG	#	25
25) Chloroform	5.94	83	115731	21.40	UG		98
26) 1,1,1-Trichloroethane	6.15	97	85442	23.02	UG	#	34
27) Carbon tetrachloride	6.33	117	73876	25.08	UG		99
28) 1,1-Dichloropropene	6.33	75	80611	21.85	UG	#	66
29) 1,2-Dichloroethane (EDC)	6.59	62	98101	21.71	UG		99
32) Benzene	6.57	78	257037	22.59	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4340.D Vial: 6
Acq On : 3 Apr 2008 11:45 am Operator: BINXU
Sample : 20PPB,STD-20PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 12:05:03 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
33)	Trichloroethene	7.29	95	64122	22.51	UG		90
34)	1,2-Dichloropropane	7.54	63	64103	23.90	UG	#	100
35)	Dibromomethane	7.67	93	42939	21.65	UG	#	90
36)	1,4-Dioxane	7.69	88	75463	3165.86	UG		99
37)	Bromodichloromethane	7.84	83	80346	26.09	UG		100
38)	2-Chloroethyl vinyl ether	8.19	63	10479	34.27	UG		99
39)	cis-1,3-Dichloropropene	8.35	75	90905	38.94	UG	#	98
40)	4-Methyl-2-pentanone (MIBK	8.53	43	61163	29.70	UG		99
42)	Toluene	8.73	92	162698	21.77	UG		99
43)	trans-1,3-Dichloropropene	8.98	75	84986	41.30	UG		99
44)	1,1,2-Trichloroethane	9.19	83	48804	24.39	UG		99
45)	Tetrachloroethene	9.37	166	70847	19.68	UG	#	68
46)	1,3-Dichloropropane	9.39	76	105665	24.89	UG		97
47)	2-Hexanone	9.48	43	47250	33.25	UG		99
48)	Dibromochloromethane	9.66	129	57844	32.16	UG		99
49)	1,2-Dibromoethane (EDB)	9.79	107	62594	26.08	UG		100
51)	Chlorobenzene	10.36	112	202646	19.77	UG	#	74
52)	1,1,1,2-Tetrachloroethane	10.46	131	66634	26.14	UG	#	80
53)	Ethylbenzene	10.50	91	311330	24.56	UG		98
54)	m,p-Xylene	10.63	106	259972	52.65	UG		89
55)	o-Xylene	11.10	106	125160	29.88	UG		91
56)	Styrene	11.12	104	217755	33.44	UG		98
57)	Bromoform	11.35	173	31588	43.89	UG	#	80
58)	Isopropylbenzene	11.55	105	255957	31.13	UG		99
60)	1,1,2,2-Tetrachloroethane	11.90	83	88923	22.38	UG		99
61)	Bromobenzene	11.91	156	92394	21.06	UG	#	36
62)	1,2,3-Trichloropropane	11.95	75	76267	21.72	UG	#	84
63)	n-Propylbenzene	12.05	91	369592	25.57	UG		99
64)	2-Chlorotoluene	12.16	91	238013	24.02	UG		98
65)	1,3,5-Trimethylbenzene	12.26	105	291824	28.24	UG		98
66)	4-Chlorotoluene	12.28	91	290251	23.77	UG		99
67)	tert-Butylbenzene	12.66	119	220807	27.88	UG	#	57
68)	1,2,4-Trimethylbenzene	12.72	105	317055	30.57	UG		99
69)	sec-Butylbenzene	12.93	105	341757	28.11	UG		99
70)	1,3-Dichlorobenzene	13.07	146	196049	21.88	UG	#	85
71)	4-Isopropyltoluene	13.11	119	311178	30.54	UG	#	90
72)	1,4-Dichlorobenzene	13.18	146	204171	23.04	UG		100
73)	n-Butylbenzene	13.62	92	141866	32.17	UG		97
74)	1,2-Dichlorobenzene	13.64	146	201374	23.27	UG	#	84
75)	1,2-Dibromo-3-chloropropan	14.58	75	16127	35.74	UG		91
76)	1,2,4-Trichlorobenzene	15.50	180	111606	30.54	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4340.D Vial: 6
Acq On : 3 Apr 2008 11:45 am Operator: BINXU
Sample : 20PPB,STD-20PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 12:05:03 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

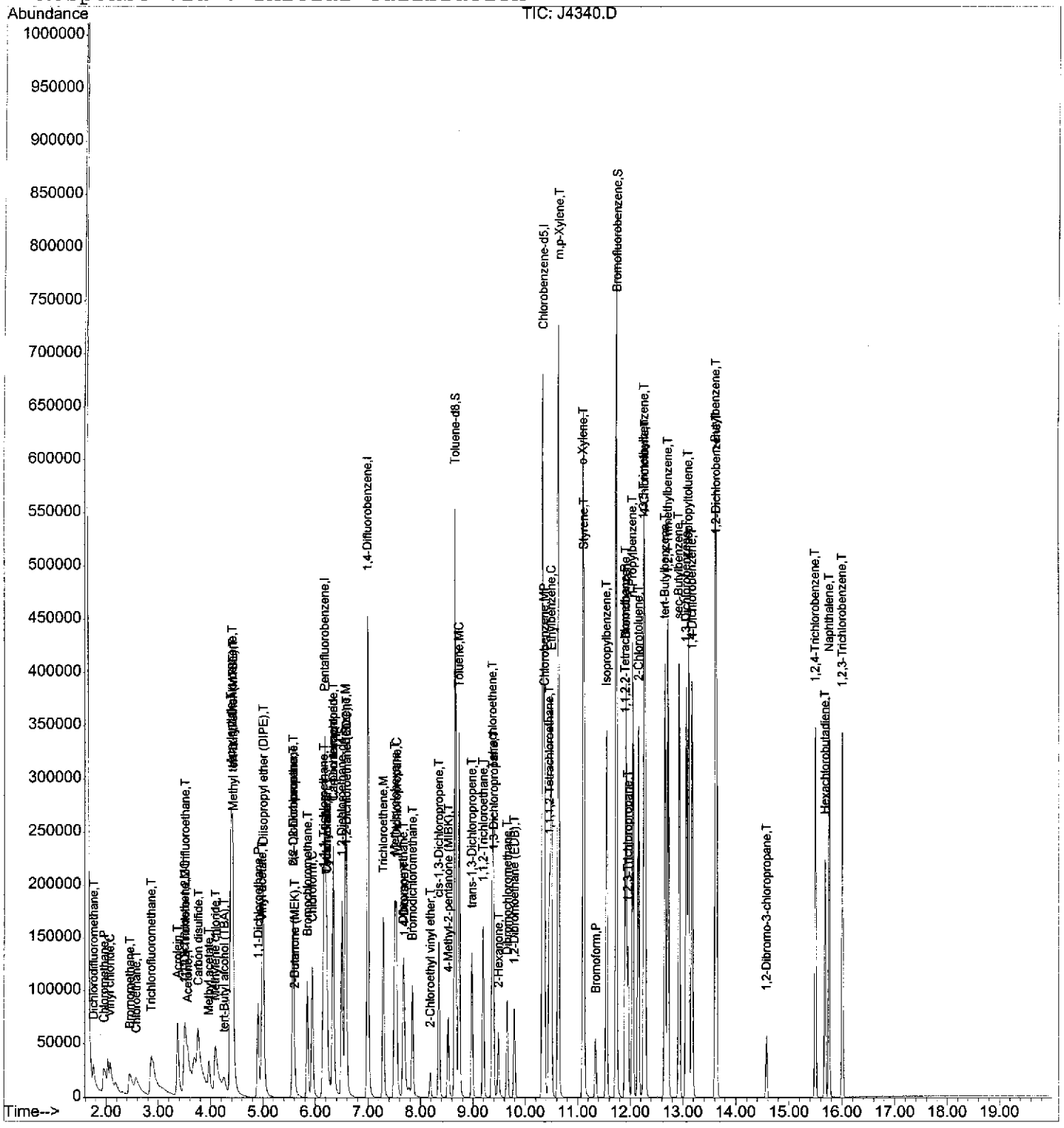
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Hexachlorobutadiene	15.68	225	42543	19.88	UG		98
78)	Naphthalene	15.76	128	316126	48.98	UG		100
79)	1,2,3-Trichlorobenzene	16.00	180	109028	30.22	UG		100
80)	1,1,2-Trichloro-1,2,2-trif	3.51	101	41294	19.10	UG	#	60
81)	Methyl acetate	3.96	43	42620	13.66	UG	#	99
82)	Cyclohexane	6.21	56	92012	11.66	UG		95
83)	Methylcyclohexane	7.51	55	65298	26.51	UG	#	84

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4340.D Vial: 6
Acq On : 3 Apr 2008 11:45 am Operator: BINXU
Sample : 20PPB,STD-20PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 3 12:05 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4342.D Vial: 8
Acq On : 3 Apr 2008 12:37 pm Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 12:57:54 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	303252	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.99	114	525634	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	546833	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	171247	46.81	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 93.62%				
41) Toluene-d8	8.66	98	503573	58.48	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 116.96%				
59) Bromofluorobenzene	11.73	95	409232	58.28	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 116.56%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.75	85	324970	89.83	UG		98
3) Chloromethane	1.96	50	418718	60.59	UG		99
4) Vinyl chloride	2.07	62	348306	106.02	UG		99
5) Bromomethane	2.45	94	211527	55.82	UG		99
6) Chloroethane	2.57	64	187893	113.42	UG		99
7) Trichlorofluoromethane	2.86	101	438901	73.50	UG		99
8) Acrolein	3.37	56	115818	252.01	UG	#	63
9) 1,1-Dichloroethene	3.50	96	262859	87.12	UG	#	81
10) Acetone	3.56	43	116065	32.42	UG		99
11) Carbon disulfide	3.75	76	937775	74.19	UG		100
12) Vinyl acetate	4.98	43	1191060	114.82	UG	#	100
13) Methylene chloride	4.08	84	315426	67.50	UG	#	31
14) Acrylonitrile	4.38	53	416589	260.37	UG	#	100
15) tert-Butyl alcohol (TBA)	4.25	59	73118	250.63	UG	#	100
16) trans-1,2-Dichloroethene	4.41	96	332354	80.44	UG	#	31
17) Methyl tert-butyl ether (M	4.42	73	822978	93.82	UG		100
18) 1,1-Dichloroethane	4.91	63	580026	89.32	UG		99
19) Diisopropyl ether (DIPE)	5.00	45	1108166	119.64	UG	#	71
20) cis-1,2-Dichloroethene	5.57	96	361067	107.98	UG	#	41
21) 2,2-Dichloropropane	5.57	77	276429	115.02	UG	#	36
22) 2-Butanone (MEK)	5.59	43	180917	94.60	UG		99
23) Bromochloromethane	5.85	128	200163	98.22	UG	#	30
24) Tetrahydrofuran	6.21	42	111613	104.12	UG	#	25
25) Chloroform	5.94	83	600658	88.28	UG		98
26) 1,1,1-Trichloroethane	6.15	97	453087	97.02	UG	#	45
27) Carbon tetrachloride	6.33	117	424407	114.50	UG		99
28) 1,1-Dichloropropene	6.33	75	437863	94.32	UG	#	65
29) 1,2-Dichloroethane (EDC)	6.59	62	510156	89.74	UG		99
32) Benzene	6.57	78	1333904	95.88	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4342.D Vial: 8
Acq On : 3 Apr 2008 12:37 pm Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 12:57:54 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
33)	Trichloroethene	7.29	95	347925	99.86	UG		90
34)	1,2-Dichloropropane	7.54	63	337924	103.02	UG	#	100
35)	Dibromomethane	7.67	93	223361	92.08	UG	#	88
36)	1,4-Dioxane	7.69	88	188362	6461.95	UG		98
37)	Bromodichloromethane	7.84	83	459419	121.98	UG		100
38)	2-Chloroethyl vinyl ether	8.19	63	152704	408.42	UG		98
39)	cis-1,3-Dichloropropene	8.35	75	566817	198.56	UG		99
40)	4-Methyl-2-pentanone (MIBK	8.52	43	358876	142.49	UG		99
42)	Toluene	8.73	92	871578	95.36	UG		99
43)	trans-1,3-Dichloropropene	8.98	75	542341	215.53	UG		99
44)	1,1,2-Trichloroethane	9.19	83	265109	108.32	UG		99
45)	Tetrachloroethene	9.37	166	386064	87.68	UG	#	68
46)	1,3-Dichloropropane	9.39	76	573985	110.58	UG		97
47)	2-Hexanone	9.48	43	280622	161.51	UG		98
48)	Dibromochloromethane	9.66	129	382525	173.90	UG		99
49)	1,2-Dibromoethane (EDB)	9.79	107	360723	122.91	UG		99
51)	Chlorobenzene	10.36	112	1089191	85.40	UG	#	74
52)	1,1,1,2-Tetrachloroethane	10.47	131	388673	122.59	UG	#	80
53)	Ethylbenzene	10.50	91	1738245	110.22	UG		99
54)	m,p-Xylene	10.64	106	1399175	227.78	UG		90
55)	o-Xylene	11.10	106	706400	135.55	UG		91
56)	Styrene	11.12	104	1241564	153.28	UG		98
57)	Bromoform	11.35	173	246902	275.75	UG	#	81
58)	Isopropylbenzene	11.55	105	1538553	150.41	UG		99
60)	1,1,2,2-Tetrachloroethane	11.90	83	486348	98.38	UG		99
61)	Bromobenzene	11.92	156	520863	95.44	UG	#	36
62)	1,2,3-Trichloropropane	11.95	75	420103	96.18	UG	#	84
63)	n-Propylbenzene	12.05	91	2140360	119.03	UG		99
64)	2-Chlorotoluene	12.16	91	1354729	109.90	UG		97
65)	1,3,5-Trimethylbenzene	12.26	105	1696459	131.98	UG		98
66)	4-Chlorotoluene	12.29	91	1628169	107.17	UG		99
67)	tert-Butylbenzene	12.66	119	1337541	135.77	UG	#	57
68)	1,2,4-Trimethylbenzene	12.72	105	1820882	141.15	UG		99
69)	sec-Butylbenzene	12.94	105	2043003	135.09	UG		99
70)	1,3-Dichlorobenzene	13.07	146	1085797	97.41	UG	#	84
71)	4-Isopropyltoluene	13.11	119	1821814	143.73	UG	#	90
72)	1,4-Dichlorobenzene	13.18	146	1138548	103.28	UG		100
73)	n-Butylbenzene	13.61	92	839496	153.03	UG		97
74)	1,2-Dichlorobenzene	13.64	146	1080765	100.39	UG	#	84
75)	1,2-Dibromo-3-chloropropan	14.58	75	109071	194.29	UG	#	87
76)	1,2,4-Trichlorobenzene	15.50	180	711179	156.41	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4342.D Vial: 8
Acq On : 3 Apr 2008 12:37 pm Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 12:57:54 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

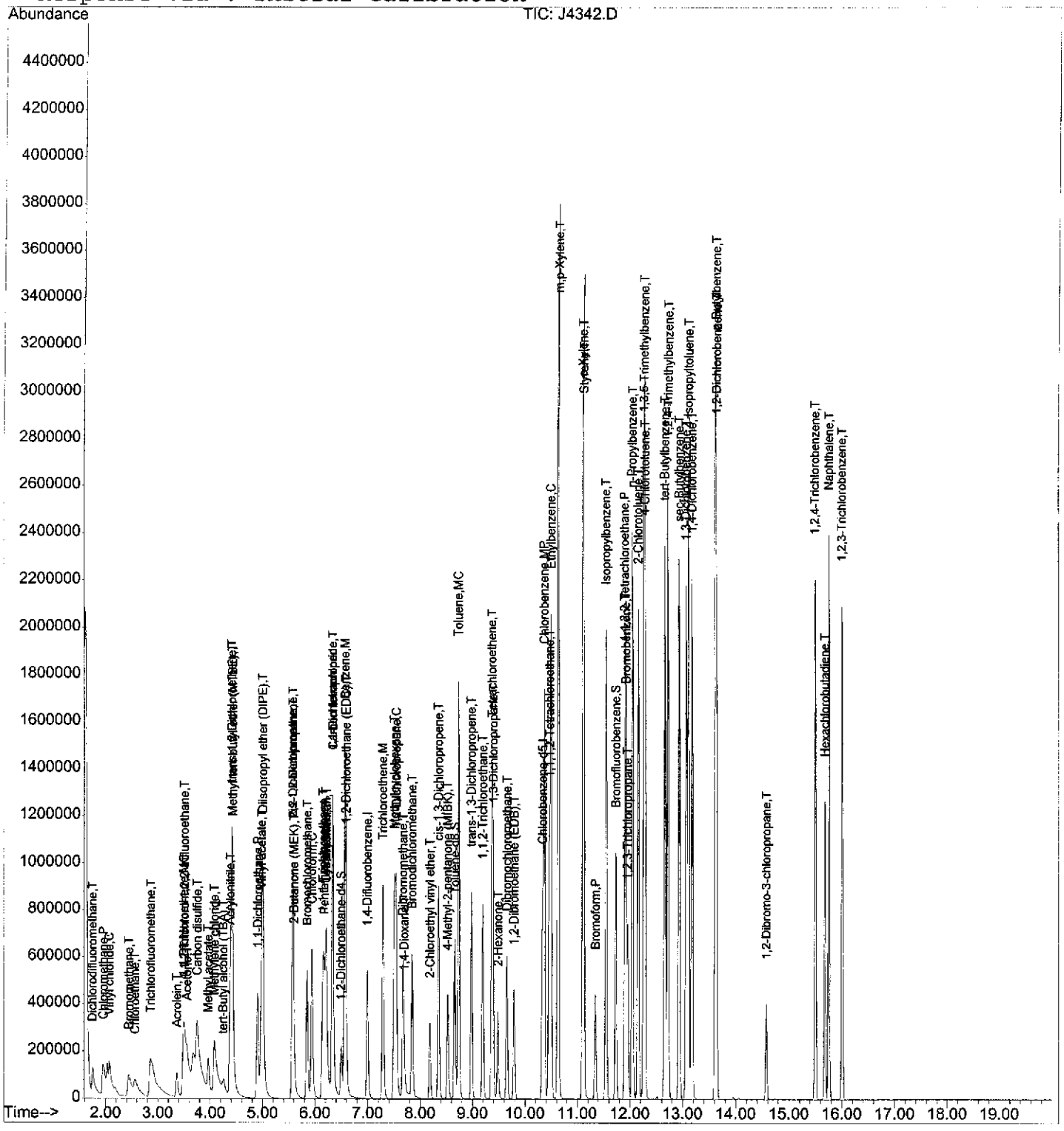
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Hexachlorobutadiene	15.68	225	244320	91.77	UG		97
78)	Naphthalene	15.76	128	2028460	252.65	UG		100
79)	1,2,3-Trichlorobenzene	16.00	180	676103	150.62	UG		100
80)	1,1,2-Trichloro-1,2,2-trif	3.51	101	233487	86.81	UG		97
81)	Methyl acetate	3.96	43	223316	57.52	UG		99
82)	Cyclohexane	6.21	56	478433	48.75	UG		98
83)	Methylcyclohexane	7.51	55	357199	116.58	UG	#	83

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4342.D Vial: 8
Acq On : 3 Apr 2008 12:37 pm Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 3 12:57 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4343.D Vial: 9
Acq On : 3 Apr 2008 1:04 pm Operator: BINXU
Sample : 150PPB,STD-150PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 13:24:32 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	271129	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.99	114	460127	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	485913	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	146508	44.79	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 89.58%				
41) Toluene-d8	8.66	98	448351	59.48	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 118.96%				
59) Bromofluorobenzene	11.73	95	368271	59.02	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 118.04%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.75	85	522085	161.41	UG		98
3) Chloromethane	1.96	50	648278	104.93	UG		99
4) Vinyl chloride	2.07	62	537785	183.09	UG		99
5) Bromomethane	2.42	94	318877m	94.12	UG		
6) Chloroethane	2.56	64	290809	196.34	UG		99
7) Trichlorofluoromethane	2.85	101	676846	126.78	UG		99
8) Acrolein	3.37	56	154438	375.86	UG	#	63
9) 1,1-Dichloroethene	3.49	96	418556	155.16	UG	#	8
10) Acetone	3.56	43	174628	54.56	UG		99
11) Carbon disulfide	3.75	76	1472245	130.27	UG		100
12) Vinyl acetate	4.98	43	1857594	200.29	UG	#	100
13) Methylene chloride	4.08	84	483581	115.75	UG	#	31
14) Acrylonitrile	4.38	53	565076	395.02	UG	#	100
15) tert-Butyl alcohol (TBA)	4.26	59	119845	459.47	UG	#	100
16) trans-1,2-Dichloroethene	4.40	96	522063	141.32	UG	#	31
17) Methyl tert-butyl ether (M	4.42	73	1302199	166.04	UG		100
18) 1,1-Dichloroethane	4.91	63	908030	156.40	UG		99
19) Diisopropyl ether (DIPE)	5.00	45	1718233	207.48	UG	#	71
20) cis-1,2-Dichloroethene	5.57	96	564556	188.84	UG	#	41
21) 2,2-Dichloropropane	5.57	77	420868	195.87	UG	#	37
22) 2-Butanone (MEK)	5.60	43	279988	163.75	UG		98
23) Bromochloromethane	5.85	128	312651	171.59	UG	#	31
24) Tetrahydrofuran	6.21	42	180887	188.74	UG	#	25
25) Chloroform	5.94	83	933975	153.52	UG		98
26) 1,1,1-Trichloroethane	6.15	97	714283	171.06	UG	#	68
27) Carbon tetrachloride	6.33	117	680485	205.33	UG		99
28) 1,1-Dichloropropene	6.33	75	689607	166.15	UG	#	65
29) 1,2-Dichloroethane (EDC)	6.59	62	784561	154.36	UG		99
32) Benzene	6.57	78	2056110	168.82	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4343.D Vial: 9
Acq On : 3 Apr 2008 1:04 pm Operator: BINXU
Sample : 150PPB,STD-150PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 13:24:32 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
33)	Trichloroethene	7.29	95	547540	179.52	UG		90
34)	1,2-Dichloropropane	7.54	63	520638	181.32	UG	#	100
35)	Dibromomethane	7.67	93	346974	163.41	UG	#	87
36)	1,4-Dioxane	7.69	88	257486	10090.90	UG		96
37)	Bromodichloromethane	7.84	83	727465	220.64	UG		100
38)	2-Chloroethyl vinyl ether	8.19	63	256252	782.95	UG	#	98
39)	cis-1,3-Dichloropropene	8.35	75	897906	359.33	UG		99
40)	4-Methyl-2-pentanone (MIBK	8.53	43	577211	261.81	UG		99
42)	Toluene	8.73	92	1347445	168.42	UG		99
43)	trans-1,3-Dichloropropene	8.98	75	860835	390.81	UG		99
44)	1,1,2-Trichloroethane	9.20	83	413736	193.11	UG		99
45)	Tetrachloroethene	9.37	166	605354	157.06	UG	#	68
46)	1,3-Dichloropropane	9.39	76	890871	196.06	UG		97
47)	2-Hexanone	9.48	43	449646	295.63	UG		97
48)	Dibromochloromethane	9.66	129	622484	323.27	UG		99
49)	1,2-Dibromoethane (EDB)	9.79	107	576372	224.34	UG		99
51)	Chlorobenzene	10.36	112	1692153	149.31	UG	#	74
52)	1,1,1,2-Tetrachloroethane	10.47	131	624389	221.63	UG	#	80
53)	Ethylbenzene	10.50	91	2723987	194.38	UG		99
54)	m,p-Xylene	10.64	106	2152693	394.39	UG		90
55)	o-Xylene	11.10	106	1095996	236.68	UG		92
56)	Styrene	11.12	104	1932303	268.47	UG		98
57)	Bromoform	11.35	173	424884	534.03	UG	#	81
58)	Isopropylbenzene	11.55	105	2512137	276.37	UG		99
60)	1,1,2,2-Tetrachloroethane	11.90	83	763513	173.81	UG		99
61)	Bromobenzene	11.92	156	825965	170.32	UG	#	36
62)	1,2,3-Trichloropropane	11.95	75	671420	172.99	UG	#	84
63)	n-Propylbenzene	12.05	91	3461741	216.65	UG		99
64)	2-Chlorotoluene	12.16	91	2187519	199.71	UG		98
65)	1,3,5-Trimethylbenzene	12.26	105	2697096	236.13	UG		98
66)	4-Chlorotoluene	12.29	91	2556601	189.37	UG		99
67)	tert-Butylbenzene	12.66	119	2195574	250.81	UG	#	57
68)	1,2,4-Trimethylbenzene	12.72	105	2876303	250.92	UG		99
69)	sec-Butylbenzene	12.94	105	3291304	244.92	UG		99
70)	1,3-Dichlorobenzene	13.07	146	1703874	172.02	UG	#	85
71)	4-Isopropyltoluene	13.11	119	2899447	257.43	UG	#	90
72)	1,4-Dichlorobenzene	13.18	146	1774256	181.12	UG		100
73)	n-Butylbenzene	13.62	92	1297810	266.23	UG		97
74)	1,2-Dichlorobenzene	13.64	146	1642736	171.72	UG	#	84
75)	1,2-Dibromo-3-chloropropan	14.58	75	174469	349.75	UG	#	85
76)	1,2,4-Trichlorobenzene	15.50	180	1092213	270.34	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4343.D Vial: 9
Acq On : 3 Apr 2008 1:04 pm Operator: BINXU
Sample : 150PPB,STD-150PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 13:24:32 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

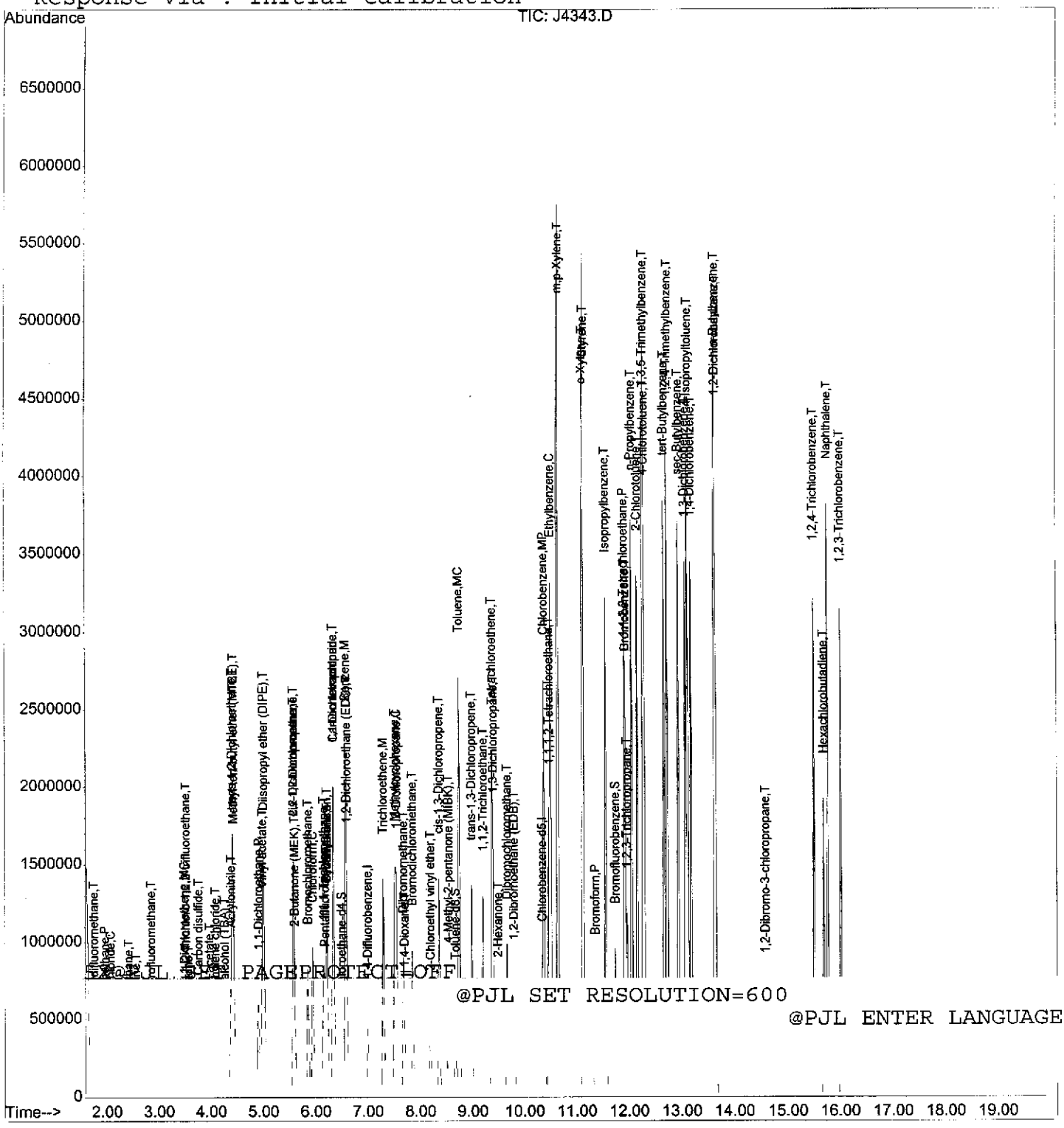
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Hexachlorobutadiene	15.68	225	391010	165.27	UG		97
78)	Naphthalene	15.76	128	3177288	445.35	UG		100
79)	1,2,3-Trichlorobenzene	16.00	180	1040945	260.98	UG		100
80)	1,1,2-Trichloro-1,2,2-trif	3.51	101	371087	155.26	UG		98
81)	Methyl acetate	3.96	43	344595	99.89	UG		99
82)	Cyclohexane	6.21	56	777408	89.15	UG		99
83)	Methylcyclohexane	7.51	55	585437	215.03	UG	#	84

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4343.D Vial: 9
Acq On : 3 Apr 2008 1:04 pm Operator: BINXU
Sample : 150PPB,STD-150PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 3 13:44 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



@PJL PAGEPROTECT OFF
@PJL SET RESOLUTION=600
@PJL ENTER LANGUAGE=PCL

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4344.D Vial: 10
Acq On : 3 Apr 2008 1:31 pm Operator: BINXU
Sample : 200PPB,STD-200PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 13:51:12 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	300327	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.99	114	514544	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	542480	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	160084	44.19	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 88.38%				
41) Toluene-d8	8.66	98	495408	58.78	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 117.56%				
59) Bromofluorobenzene	11.73	95	410727	58.96	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 117.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.75	85	671374	187.38	UG		98
3) Chloromethane	1.96	50	820418	119.88	UG		99
4) Vinyl chloride	2.07	62	717053	220.39	UG		99
5) Bromomethane	2.46	94	414214	110.37	UG		99
6) Chloroethane	2.57	64	363210	221.38	UG		98
7) Trichlorofluoromethane	2.85	101	792395	134.00	UG		99
8) Acrolein	3.37	56	196741	432.27	UG	#	63
9) 1,1-Dichloroethene	3.50	96	522815	174.96	UG	#	81
10) Acetone	3.56	43	230042	64.88	UG		99
11) Carbon disulfide	3.75	76	1892304	151.16	UG		100
12) Vinyl acetate	4.98	43	2596210	252.71	UG	#	100
13) Methylene chloride	4.08	84	641983	138.73	UG	#	32
14) Acrylonitrile	4.38	53	726943	458.77	UG	#	100
15) tert-Butyl alcohol (TBA)	4.26	59	156783	542.64	UG	#	100
16) trans-1,2-Dichloroethene	4.40	96	699601	170.97	UG	#	31
17) Methyl tert-butyl ether (M	4.42	73	1873528	215.67	UG		100
18) 1,1-Dichloroethane	4.91	63	1276350	198.46	UG		99
19) Diisopropyl ether (DIPE)	5.00	45	2415612	263.33	UG	#	71
20) cis-1,2-Dichloroethene	5.57	96	782855	236.41	UG	#	41
21) 2,2-Dichloropropane	5.57	77	573500	240.95	UG	#	38
22) 2-Butanone (MEK)	5.61	43	406321	214.53	UG		99
23) Bromochloromethane	5.85	128	436867	216.46	UG	#	30
24) Tetrahydrofuran	6.21	42	244856	230.65	UG	#	25
25) Chloroform	5.94	83	1302202	193.24	UG		98
26) 1,1,1-Trichloroethane	6.15	97	982856	212.50	UG	#	66
27) Carbon tetrachloride	6.33	117	945469	257.55	UG		99
28) 1,1-Dichloropropene	6.33	75	946761	205.93	UG	#	65
29) 1,2-Dichloroethane (EDC)	6.59	62	1095172	194.52	UG		99
32) Benzene	6.57	78	2818837	206.97	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4344.D Vial: 10
Acq On : 3 Apr 2008 1:31 pm Operator: BINXU
Sample : 200PPB,STD-200PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 13:51:12 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
33)	Trichloroethene	7.29	95	761183	223.17	UG		89
34)	1,2-Dichloropropane	7.54	63	719146	223.97	UG	#	100
35)	Dibromomethane	7.67	93	481785	202.90	UG	#	87
36)	1,4-Dioxane	7.69	88	308718	10819.16	UG		96
37)	Bromodichloromethane	7.84	83	1019091	276.41	UG		100
38)	2-Chloroethyl vinyl ether	8.19	63	394023	1076.57	UG	#	98
39)	cis-1,3-Dichloropropene	8.35	75	1255881	449.43	UG		99
40)	4-Methyl-2-pentanone (MIBK	8.53	43	832967	337.86	UG		99
42)	Toluene	8.73	92	1865054	208.46	UG		99
43)	trans-1,3-Dichloropropene	8.99	75	1221552	495.92	UG		99
44)	1,1,2-Trichloroethane	9.20	83	575146	240.06	UG		99
45)	Tetrachloroethene	9.37	166	822231	190.77	UG	#	68
46)	1,3-Dichloropropane	9.39	76	1225093	241.10	UG		97
47)	2-Hexanone	9.48	43	656428	385.93	UG		97
48)	Dibromochloromethane	9.66	129	886583	411.73	UG		99
49)	1,2-Dibromoethane (EDB)	9.79	107	811937	282.61	UG		99
51)	Chlorobenzene	10.36	112	2328615	184.04	UG	#	74
52)	1,1,1,2-Tetrachloroethane	10.47	131	875100	278.23	UG	#	80
53)	Ethylbenzene	10.50	91	3769334	240.92	UG		99
54)	m,p-Xylene	10.64	106	2921539	479.43	UG		92
55)	o-Xylene	11.10	106	1505564	291.23	UG		92
56)	Styrene	11.12	104	2631053	327.44	UG		98
57)	Bromoform	11.35	173	616024	693.53	UG	#	81
58)	Isopropylbenzene	11.55	105	3505739	345.47	UG		99
60)	1,1,2,2-Tetrachloroethane	11.90	83	1028824	209.79	UG		99
61)	Bromobenzene	11.92	156	1119898	206.85	UG	#	36
62)	1,2,3-Trichloropropane	11.96	75	935569	215.91	UG	#	84
63)	n-Propylbenzene	12.05	91	4762176	266.95	UG		99
64)	2-Chlorotoluene	12.16	91	3017346	246.74	UG		98
65)	1,3,5-Trimethylbenzene	12.26	105	3615889	283.57	UG		98
66)	4-Chlorotoluene	12.29	91	3452897	229.09	UG		100
67)	tert-Butylbenzene	12.66	119	2951202	301.97	UG	#	57
68)	1,2,4-Trimethylbenzene	12.72	105	3873779	302.70	UG		100
69)	sec-Butylbenzene	12.94	105	4367655	291.13	UG		99
70)	1,3-Dichlorobenzene	13.07	146	2258620	204.24	UG	#	84
71)	4-Isopropyltoluene	13.11	119	3799607	302.18	UG	#	91
72)	1,4-Dichlorobenzene	13.18	146	2333222	213.35	UG		100
73)	n-Butylbenzene	13.62	92	1675912	307.94	UG		97
74)	1,2-Dichlorobenzene	13.64	146	2130487	199.48	UG	#	84
75)	1,2-Dibromo-3-chloropropan	14.58	75	238475	428.21	UG	#	84
76)	1,2,4-Trichlorobenzene	15.51	180	1412362	313.12	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4344.D Vial: 10
Acq On : 3 Apr 2008 1:31 pm Operator: BINXU
Sample : 200PPB,STD-200PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 03 13:51:12 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Apr 03 11:16:13 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

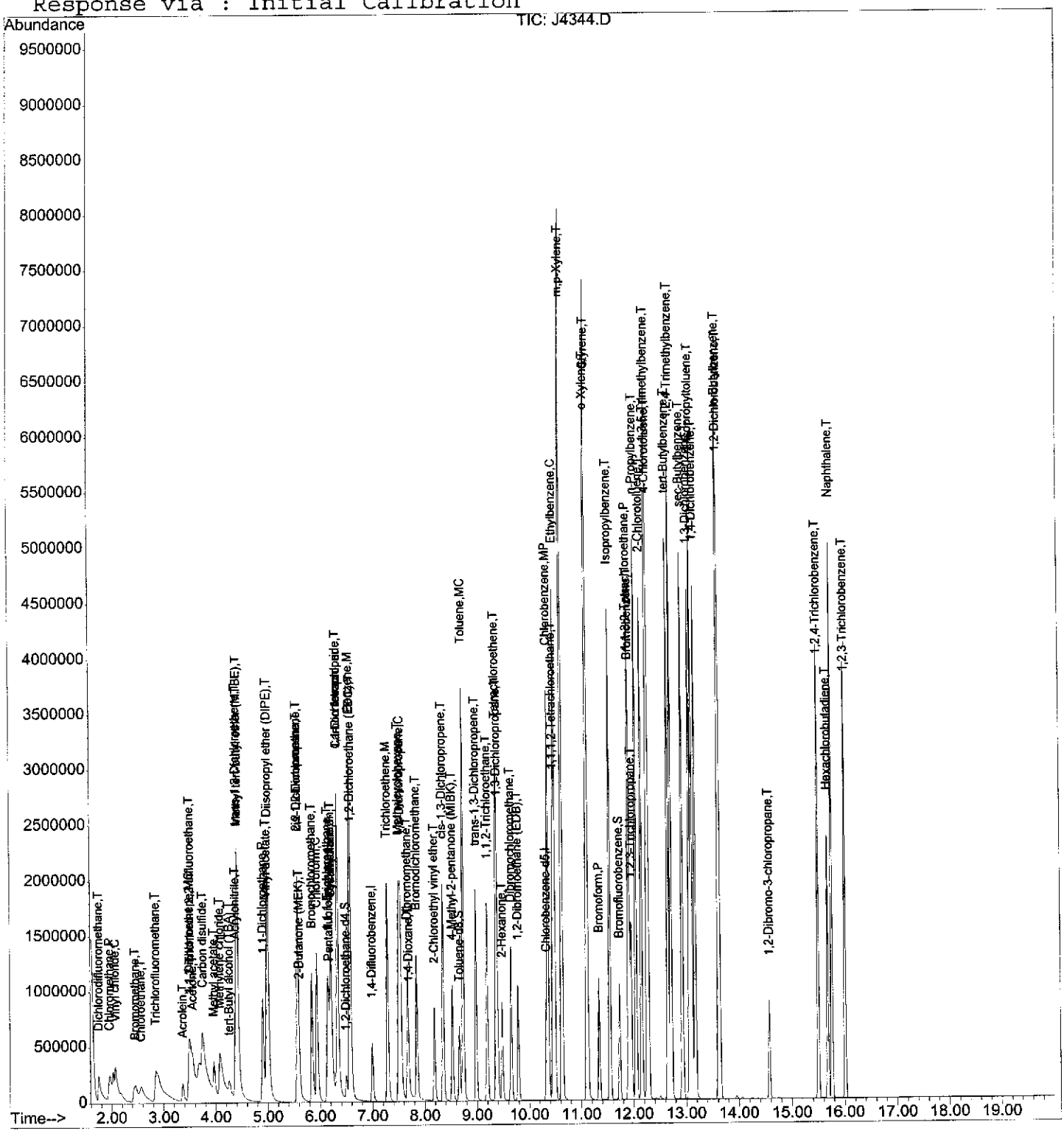
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Hexachlorobutadiene	15.68	225	489163	185.20	UG		97
78)	Naphthalene	15.76	128	4182268	525.09	UG		100
79)	1,2,3-Trichlorobenzene	16.02	180	1334319	299.65	UG		100
80)	1,1,2-Trichloro-1,2,2-trif	3.51	101	437562	163.99	UG		97
81)	Methyl acetate	3.96	43	477600	124.01	UG		99
82)	Cyclohexane	6.21	56	1052039	108.06	UG		100
83)	Methylcyclohexane	7.51	55	777470	255.79	UG	#	83

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-03-08\J4344.D Vial: 10
Acq On : 3 Apr 2008 1:31 pm Operator: BINXU
Sample : 200PPB,STD-200PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 3 13:51 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4429.D Vial: 3
Acq On : 8 Apr 2008 11:16 am Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 35% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	113	0.01
2	T	Dichlorodifluoromethane	0.605	0.454	25.0	96	0.01
3	P	Chloromethane	0.765	0.499	34.8	82	0.01
4	C	Vinyl chloride	0.633	0.518	18.2	102	0.00
5	T	Bromomethane	0.419	0.290	30.8	94	-0.03
6	T	Chloroethane	0.347	0.262	24.5	96	0.00
7	T	Trichlorofluoromethane	0.850	0.579	31.9	90	0.00
8	T	Acrolein	0.075	0.052	30.7	93	0.00
9	MC	1,1-Dichloroethene	0.465	0.389	16.3	101	0.01
10	T	Acetone	0.289	0.191	33.9	113	0.00
11	T	Carbon disulfide	1.718	1.328	22.7	97	0.02
12	T	Vinyl acetate	2.122	1.546	27.1	89	0.01
13	T	Methylene chloride	0.609	0.498	18.2	108	0.01
14	T	Acrylonitrile	0.266	0.219	17.7	108	0.00
15	T	tert-Butyl alcohol (TBA)	0.071	0.053	25.4	99	0.00
16	T	trans-1,2-Dichloroethene	0.643	0.533	17.1	110	0.00
17	T	Methyl tert-butyl ether (MT	1.512	0.984	34.9	82	0.00
18	P	1,1-Dichloroethane	1.086	0.927	14.6	110	0.00
19	T	Diisopropyl ether (DIPE)	1.969	1.705	13.4	105	0.01
20	T	cis-1,2-Dichloroethene	0.665	0.592	11.0	112	0.00
21	T	2,2-Dichloropropane	0.473	0.359	24.1	89	0.00
22	T	2-Butanone (MEK)	0.351	0.265	24.5	100	0.00
23	T	Bromochloromethane	0.370	0.327	11.6	112	0.00
25	C	Chloroform	1.122	0.983	12.4	112	0.00
26	T	1,1,1-Trichloroethane	0.837	0.760	9.2	115	0.00
27	T	Carbon tetrachloride	0.756	0.747	1.2	121	0.00
28	T	1,1-Dichloropropene	0.806	0.734	8.9	115	0.00
29	T	1,2-Dichloroethane (EDC)	0.956	0.801	16.2	108	0.00
30	S	1,2-Dichloroethane-d4	0.579	0.523	9.7	105	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	110	0.00
32	M	Benzene	1.425	1.255	11.9	109	0.00
33	M	Trichloroethene	0.373	0.349	6.4	116	0.00
34	C	1,2-Dichloropropane	0.354	0.313	11.6	107	0.00
35	T	Dibromomethane	0.240	0.208	13.3	108	0.00
36	T	1,4-Dioxane	0.005	0.004	20.0	109	0.00
37	T	Bromodichloromethane	0.469	0.460	1.9	116	0.00
38	T	2-Chloroethyl vinyl ether	0.130	0.156	-20.0	118	0.00
39	T	cis-1,3-Dichloropropene	0.528	0.551	-4.4	112	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.375	0.326	13.1	105	0.00
41	S	Toluene-d8	0.944	1.060	-12.3	122	0.00
42	MC	Toluene	0.927	0.845	8.8	112	0.00
43	T	trans-1,3-Dichloropropene	0.499	0.518	-3.8	110	0.00
44	T	1,1,2-Trichloroethane	0.280	0.245	12.5	107	0.00
45	T	Tetrachloroethene	0.417	0.393	5.8	117	0.00

46	T	1,3-Dichloropropane	0.600	0.529	11.8	106	0.00
47	T	2-Hexanone	0.291	0.254	12.7	105	0.00
48	T	Dibromochloromethane	0.360	0.405	-12.5	122	0.00
49	T	1,2-Dibromoethane (EDB)	0.376	0.349	7.2	112	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
51	MP	Chlorobenzene	1.145	0.975	14.8	112	0.00
52	T	1,1,1,2-Tetrachloroethane	0.384	0.366	4.7	118	0.00
53	C	Ethylbenzene	1.736	1.555	10.4	112	0.00
54	T	m,p-Xylene	0.699	0.625	10.6	112	0.00
55	T	o-Xylene	0.678	0.629	7.2	111	0.00
56	T	Styrene	1.167	1.100	5.7	111	0.00
57	P	Bromoform	0.209	0.261	-24.9	132	0.00
58	T	Isopropylbenzene	1.456	1.425	2.1	116	0.00
59	S	Bromofluorobenzene	0.739	0.707	4.3	108	0.00
60	P	1,1,2,2-Tetrachloroethane	0.506	0.407	19.6	105	0.00
61	T	Bromobenzene	0.533	0.474	11.1	114	0.00
62	T	1,2,3-Trichloropropane	0.441	0.357	19.0	106	0.00
63	T	n-Propylbenzene	2.120	1.897	10.5	111	0.00
64	T	2-Chlorotoluene	1.377	1.426	-3.6	132	0.13
65	T	1,3,5-Trimethylbenzene	1.629	1.518	6.8	112	0.00
66	T	4-Chlorotoluene	1.654	1.426	13.8	110	0.00
67	T	tert-Butylbenzene	1.264	1.237	2.1	116	0.00
68	T	1,2,4-Trimethylbenzene	1.748	1.617	7.5	111	0.00
69	T	sec-Butylbenzene	1.963	1.804	8.1	111	0.00
70	T	1,3-Dichlorobenzene	1.114	0.965	13.4	111	0.00
71	T	4-Isopropyltoluene	1.736	1.600	7.8	110	0.00
72	T	1,4-Dichlorobenzene	1.168	0.997	14.6	110	0.00
73	T	n-Butylbenzene	0.784	0.698	11.0	104	0.00
74	T	1,2-Dichlorobenzene	1.100	0.935	15.0	108	0.00
75	T	1,2-Dibromo-3-chloropropane	0.096	0.092	4.2	105	0.00
76	T	1,2,4-Trichlorobenzene	0.650	0.596	8.3	105	0.00
77	T	Hexachlorobutadiene	0.295	0.205	30.5	105	0.00
78	T	Naphthalene	1.743	1.676	3.8	103	0.00
79	T	1,2,3-Trichlorobenzene	0.630	0.553	12.2	102	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.241	0.177	26.6	95	0.00
81	T	Methyl acetate	0.255	0.207	18.8	116	0.01
82	T	Cyclohexane	0.515	0.423	17.9	111	0.00
83	T	Methylcyclohexane	0.371	0.305	17.8	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

J2411.D JAW0403.M Wed Apr 09 12:02:09 2008 MANAGER

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4429.D Vial: 3
Acq On : 8 Apr 2008 11:16 am Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 10:36:24 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	342725	50.00	UG		0.01
31) 1,4-Difluorobenzene	6.99	114	577022	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	626233	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	179081	45.13	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 90.26%				
41) Toluene-d8	8.66	98	611845	56.17	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 112.34%				
59) Bromofluorobenzene	11.73	95	442461	47.79	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.58%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.76	85	311482m	75.15	UG		
3) Chloromethane	1.96	50	341741	65.20	UG		98
4) Vinyl chloride	2.07	62	355196m	81.86	UG		
5) Bromomethane	2.42	94	198707m	69.13	UG		
6) Chloroethane	2.57	64	179803	75.53	UG		98
7) Trichlorofluoromethane	2.86	101	396679	68.08	UG		99
8) Acrolein	3.37	56	107200	209.67	UG	#	63
9) 1,1-Dichloroethene	3.50	96	266596	83.66	UG	#	8
10) Acetone	3.56	43	131006m	66.11	UG		
11) Carbon disulfide	3.76	76	909948	77.29	UG		100
12) Vinyl acetate	4.99	43	1059898	72.87	UG	#	100
13) Methylene chloride	4.09	84	341213	81.76	UG	#	58
14) Acrylonitrile	4.38	53	450458	247.25	UG	#	100
15) tert-Butyl alcohol (TBA)	4.26	59	72543	149.90	UG	#	100
16) trans-1,2-Dichloroethene	4.41	96	365379	82.91	UG	#	31
17) Methyl tert-butyl ether (M	4.42	73	674743	65.09	UG		100
18) 1,1-Dichloroethane	4.91	63	635306	85.34	UG		99
19) Diisopropyl ether (DIPE)	5.01	45	1168524	86.59	UG	#	71
20) cis-1,2-Dichloroethene	5.57	96	405528	88.98	UG	#	74
21) 2,2-Dichloropropane	5.57	77	246085	75.89	UG	#	49
22) 2-Butanone (MEK)	5.61	43	181370	75.40	UG		98
23) Bromochloromethane	5.85	128	224229	88.30	UG	#	30
25) Chloroform	5.94	83	673764	87.63	UG		98
26) 1,1,1-Trichloroethane	6.15	97	520983	90.82	UG	#	44
27) Carbon tetrachloride	6.33	117	512353	98.81	UG		99
28) 1,1-Dichloropropene	6.33	75	502976	91.00	UG	#	65
29) 1,2-Dichloroethane (EDC)	6.59	62	549316	83.83	UG		99
32) Benzene	6.57	78	1447868	88.05	UG		100
33) Trichloroethene	7.29	95	402325	93.46	UG		88

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4429.D
Acq On : 8 Apr 2008 11:16 am
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
MS Integration Params: LSCINT.P
Quant Time: Apr 08 10:36:24 2008

Vial: 3
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00
Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	1,2-Dichloropropane	7.54	63	360805	88.25	UG	#	100
35)	Dibromomethane	7.67	93	240165	86.87	UG	#	85
36)	1,4-Dioxane	7.69	88	204596	3702.74	UG		95
37)	Bromodichloromethane	7.85	83	531015	98.18	UG		99
38)	2-Chloroethyl vinyl ether	8.19	63	180408m	119.91	UG		
39)	cis-1,3-Dichloropropene	8.35	75	636372	104.47	UG		98
40)	4-Methyl-2-pentanone (MIBK	8.53	43	375734	86.91	UG		98
42)	Toluene	8.73	92	975179	91.18	UG		100
43)	trans-1,3-Dichloropropene	8.99	75	598028	103.78	UG		99
44)	1,1,2-Trichloroethane	9.20	83	282751	87.46	UG		98
45)	Tetrachloroethene	9.37	166	453552	94.16	UG	#	68
46)	1,3-Dichloropropane	9.39	76	610223	88.09	UG		97
47)	2-Hexanone	9.48	43	293521	87.55	UG		97
48)	Dibromochloromethane	9.66	129	467298	112.61	UG		99
49)	1,2-Dibromoethane (EDB)	9.79	107	402487	92.72	UG		99
51)	Chlorobenzene	10.36	112	1221660	85.18	UG	#	74
52)	1,1,1,2-Tetrachloroethane	10.47	131	458889	95.39	UG	#	80
53)	Ethylbenzene	10.50	91	1947364	89.57	UG		99
54)	m,p-Xylene	10.64	106	1564768	178.73	UG		90
55)	o-Xylene	11.10	106	787522	92.76	UG		91
56)	Styrene	11.12	104	1378122	94.31	UG		98
57)	Bromoform	11.35	173	326408	124.53	UG	#	81
58)	Isopropylbenzene	11.55	105	1784700	97.85	UG		99
60)	1,1,2,2-Tetrachloroethane	11.90	83	509180	80.32	UG		99
61)	Bromobenzene	11.92	156	593178	88.92	UG	#	36
62)	1,2,3-Trichloropropane	11.95	75	446809	80.82	UG	#	84
63)	n-Propylbenzene	12.05	91	2375625	89.47	UG		99
64)	2-Chlorotoluene	12.29	91	1785728	103.54	UG		100
65)	1,3,5-Trimethylbenzene	12.26	105	1901069	93.18	UG		98
66)	4-Chlorotoluene	12.29	91	1785728	86.22	UG		99
67)	tert-Butylbenzene	12.66	119	1548701	97.82	UG	#	57
68)	1,2,4-Trimethylbenzene	12.72	105	2025671	92.53	UG		99
69)	sec-Butylbenzene	12.94	105	2259718	91.92	UG		99
70)	1,3-Dichlorobenzene	13.07	146	1208402	86.59	UG	#	84
71)	4-Isopropyltoluene	13.11	119	2004177	92.17	UG	#	91
72)	1,4-Dichlorobenzene	13.18	146	1249112	85.37	UG		100
73)	n-Butylbenzene	13.62	92	873986	88.98	UG		96
74)	1,2-Dichlorobenzene	13.64	146	1171122	85.01	UG	#	84
75)	1,2-Dibromo-3-chloropropan	14.58	75	114952	95.53	UG	#	82
76)	1,2,4-Trichlorobenzene	15.50	180	746170	91.61	UG		100
77)	Hexachlorobutadiene	15.68	225	257175	69.55	UG		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4429.D
Acq On : 8 Apr 2008 11:16 am
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
MS Integration Params: LSCINT.P
Quant Time: Apr 08 10:36:24 2008

Vial: 3
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00
Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78) Naphthalene	15.76	128	2098677	96.15	UG		100
79) 1,2,3-Trichlorobenzene	16.00	180	692283	87.75	UG		99
80) 1,1,2-Trichloro-1,2,2-trif	3.52	101	221879	73.64	UG		95
81) Methyl acetate	3.97	43	259387	81.32	UG	#	99
82) Cyclohexane	6.21	56	530345	82.21	UG		99
83) Methylcyclohexane	7.51	55	382267	82.31	UG	#	80

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

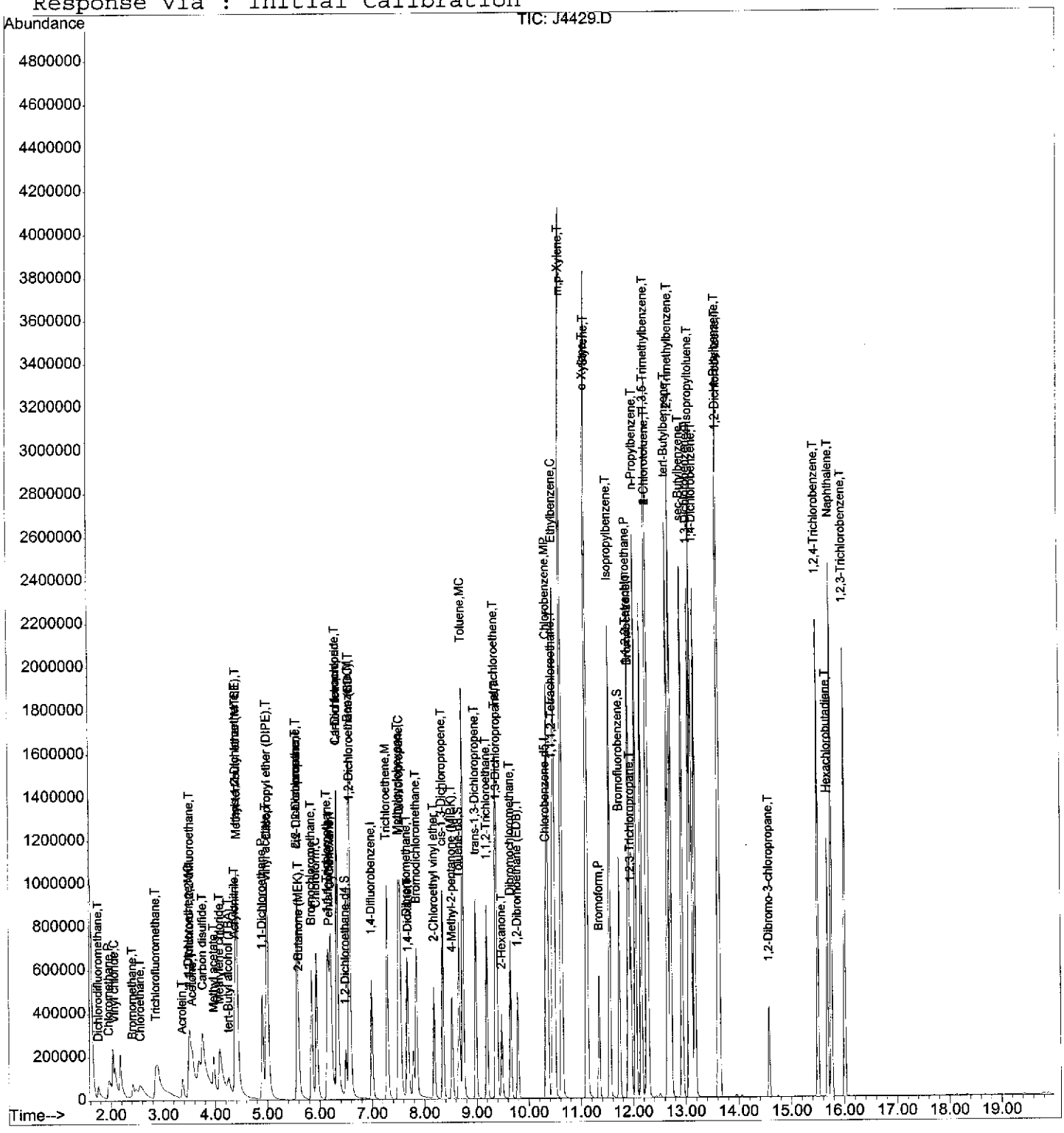
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4429.D
Acq On : 8 Apr 2008 11:16 am
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
MS Integration Params: LSCINT.P
Quant Time: Apr 9 11:02 2008

Vial: 3
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4438.D Vial: 12
Acq On : 8 Apr 2008 3:28 pm Operator: BINXU
Sample : MS,MS,A,5ml,100 Inst : MSD_J
Misc : TWT/SPRING_INC.,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 08 14:48:52 2008 Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

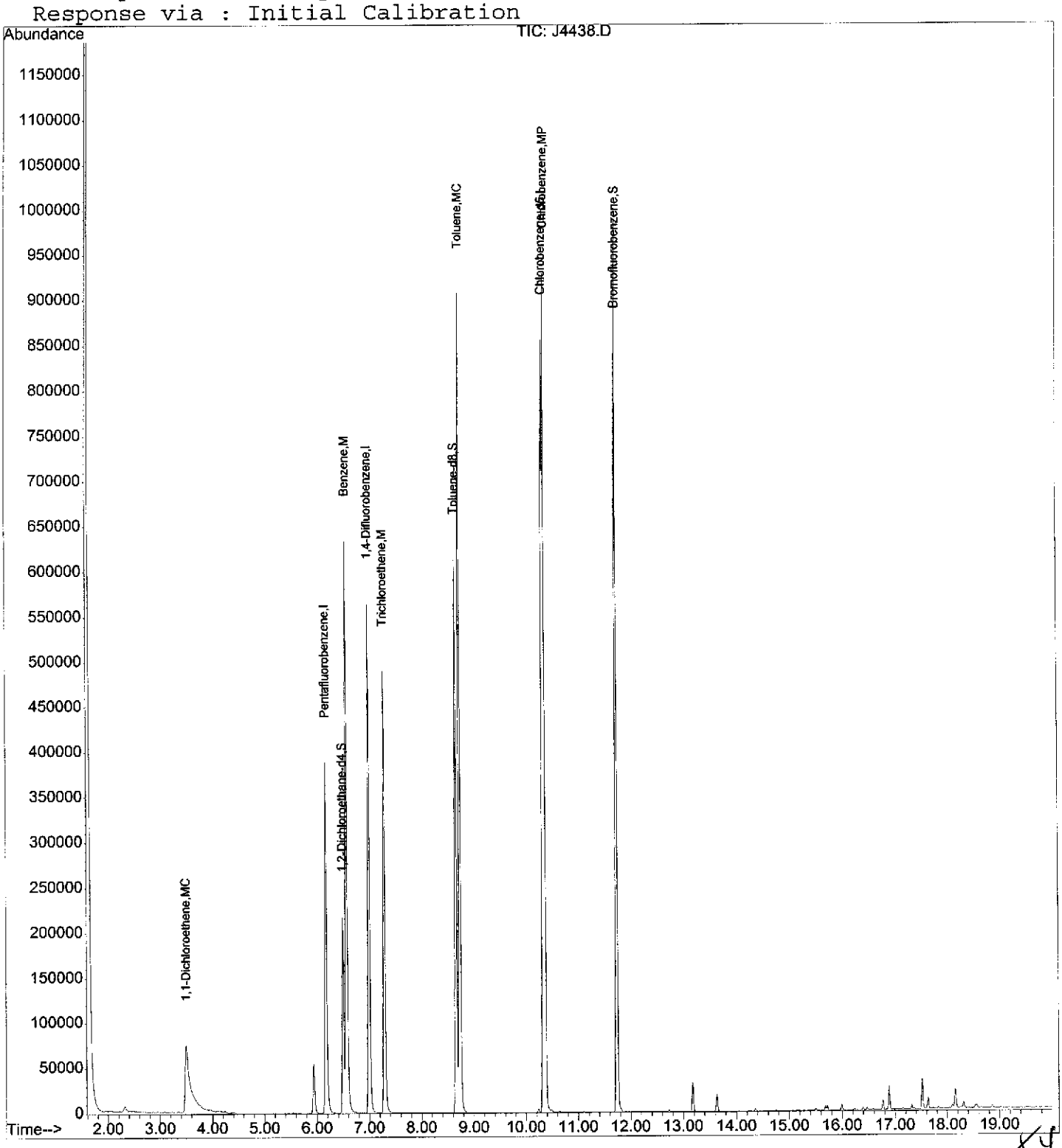
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	334160	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	561817	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	573399	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	182324	47.12	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.24%			
41) Toluene-d8	8.66	98	476215	44.90	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 89.80%			
59) Bromofluorobenzene	11.73	95	392105	46.25	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.50%			
Target Compounds						Qvalue
9) 1,1-Dichloroethene	3.50	96	105070	33.82	UG	# 8
32) Benzene	6.57	78	674788	42.15	UG	100
33) Trichloroethene	7.29	95	184568	44.04	UG	# 87
42) Toluene	8.73	92	452757	43.48	UG	100
51) Chlorobenzene	10.36	112	583497	44.43	UG	# 74

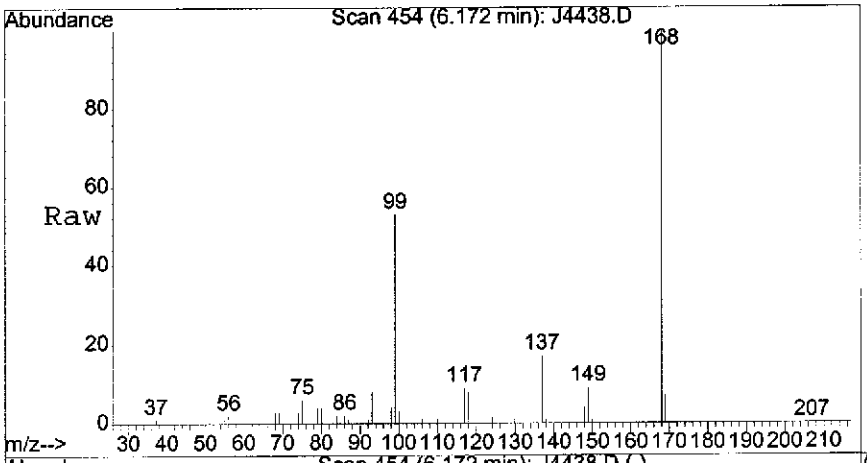
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4438.D Vial: 12
Acq On : 8 Apr 2008 3:28 pm Operator: BINXU
Sample : MS,MS,A,5ml,100 Inst : MSD_J
Misc : TWT/SPRING_INC.,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 9 14:52 2008 Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

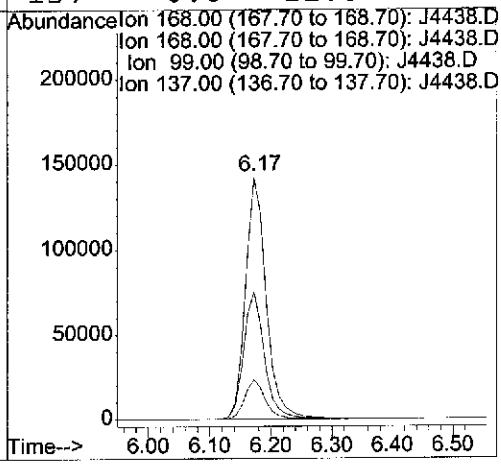


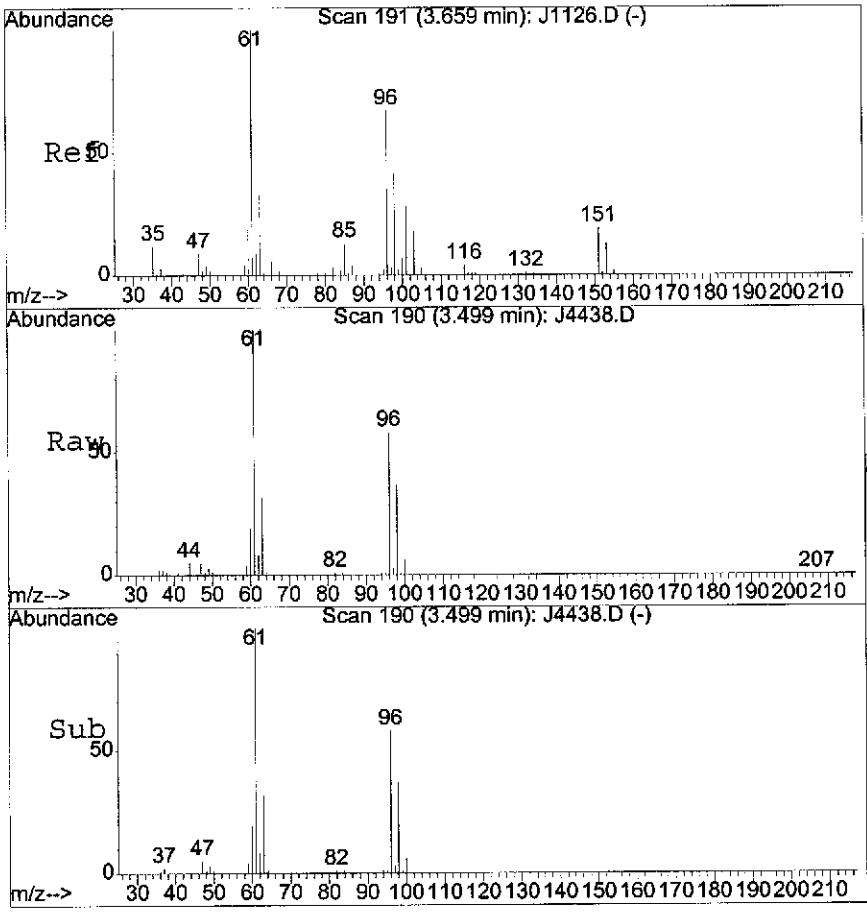


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.17 min Scan# 454
Delta R.T. 0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion:168 Resp: 334160

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	62.4	93.6#
137	0.0	11.8	17.8#

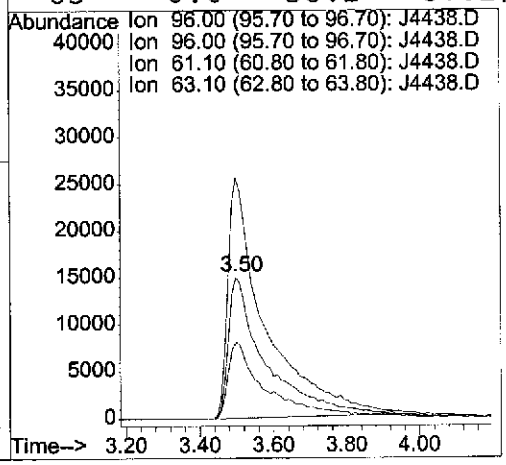


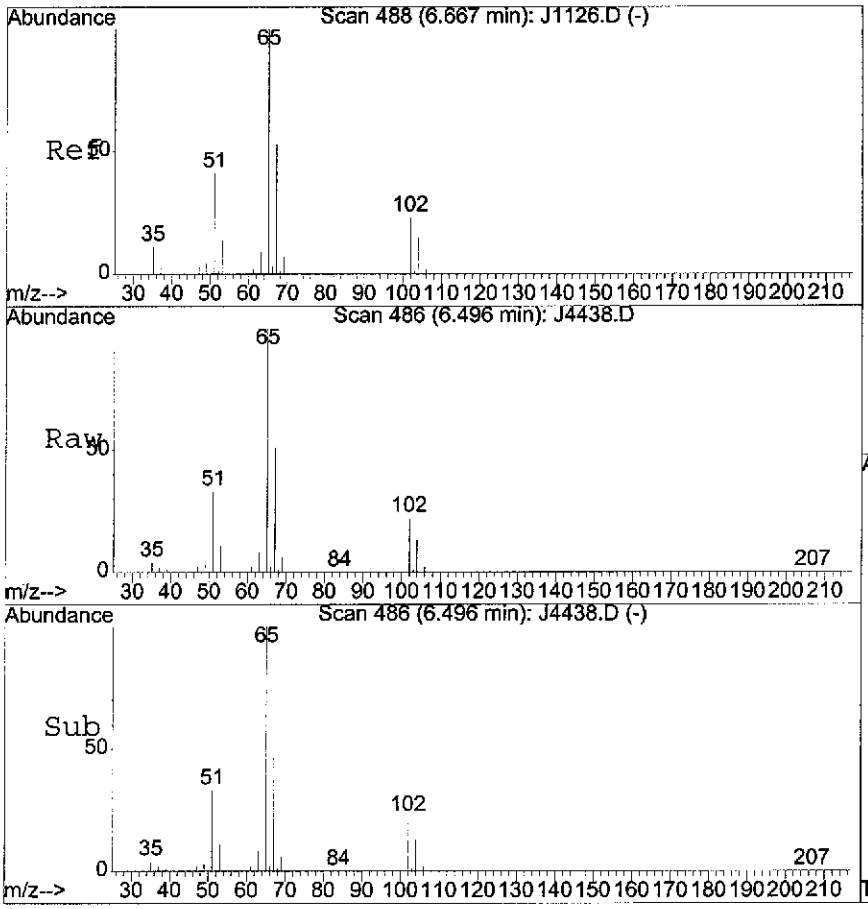


#9
1,1-Dichloroethene
Concen: 33.82 UG
RT: 3.50 min Scan# 190
Delta R.T. 0.01 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion: 96 Resp: 105070

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	175.2	262.8#
63	0.0	58.2	87.2#

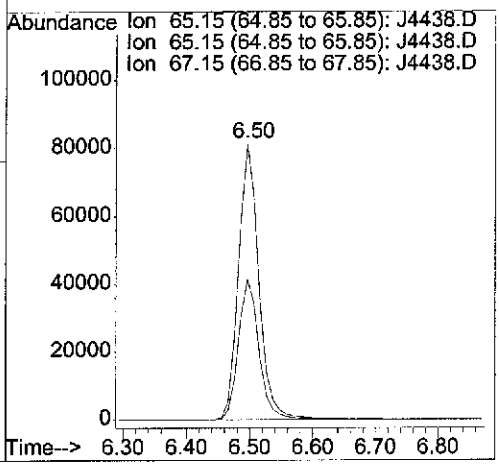


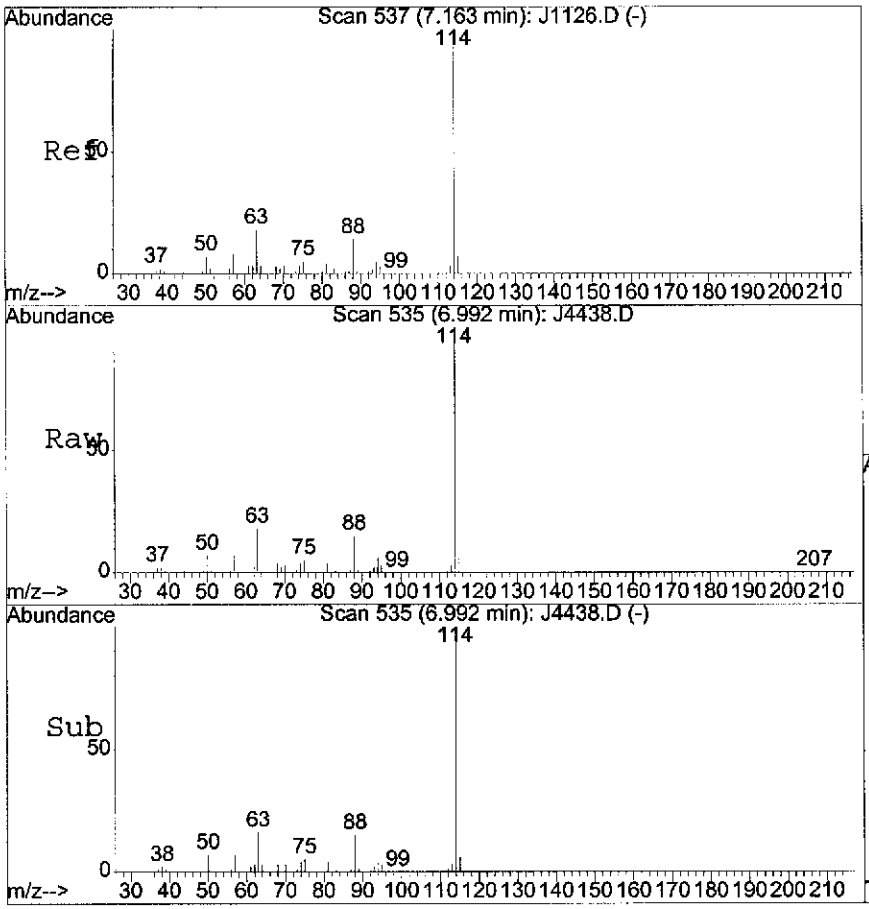


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.50 min Scan# 486
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion: 65 Resp: 182324

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	51.4	47.4	71.2

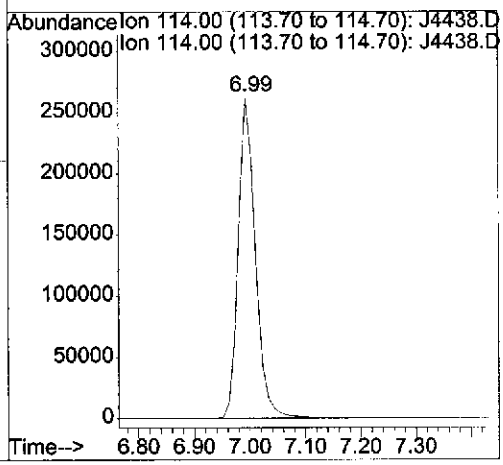


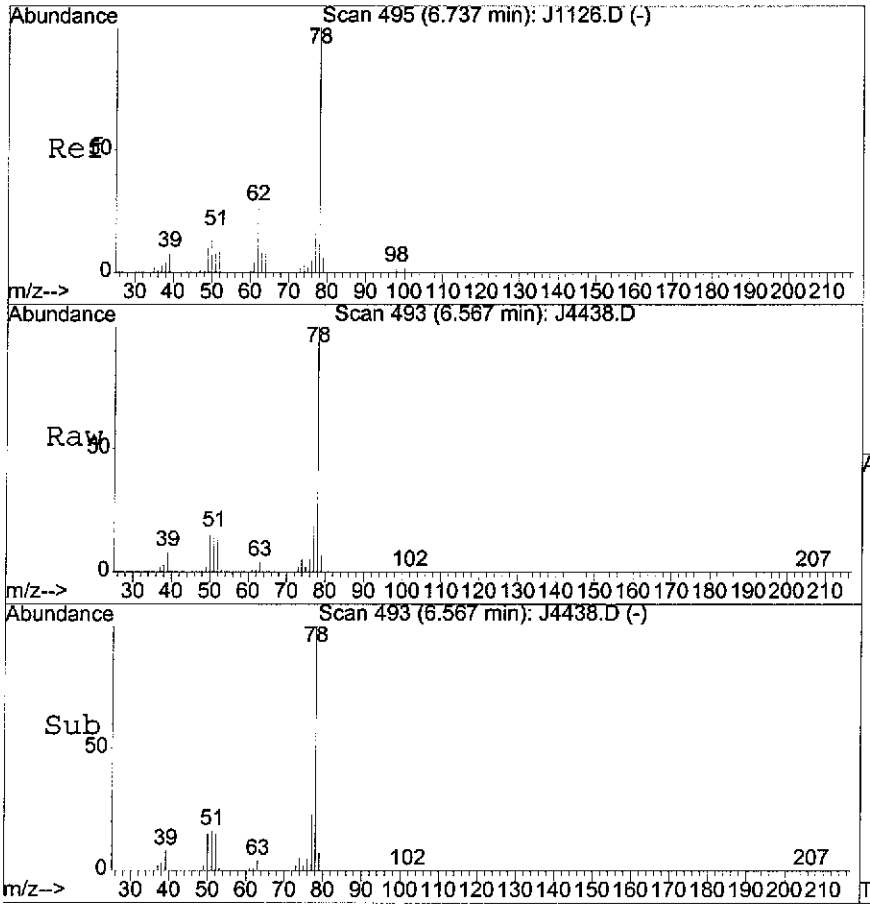


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion:114 Resp: 561817

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

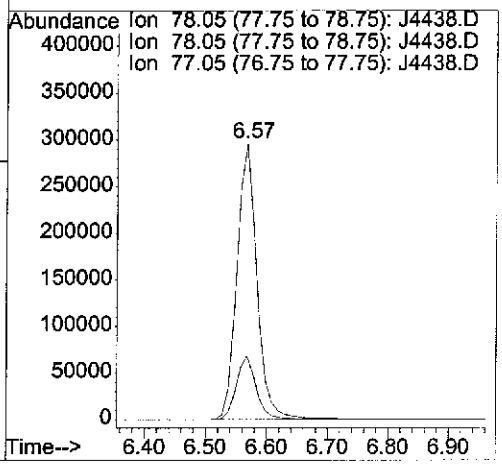


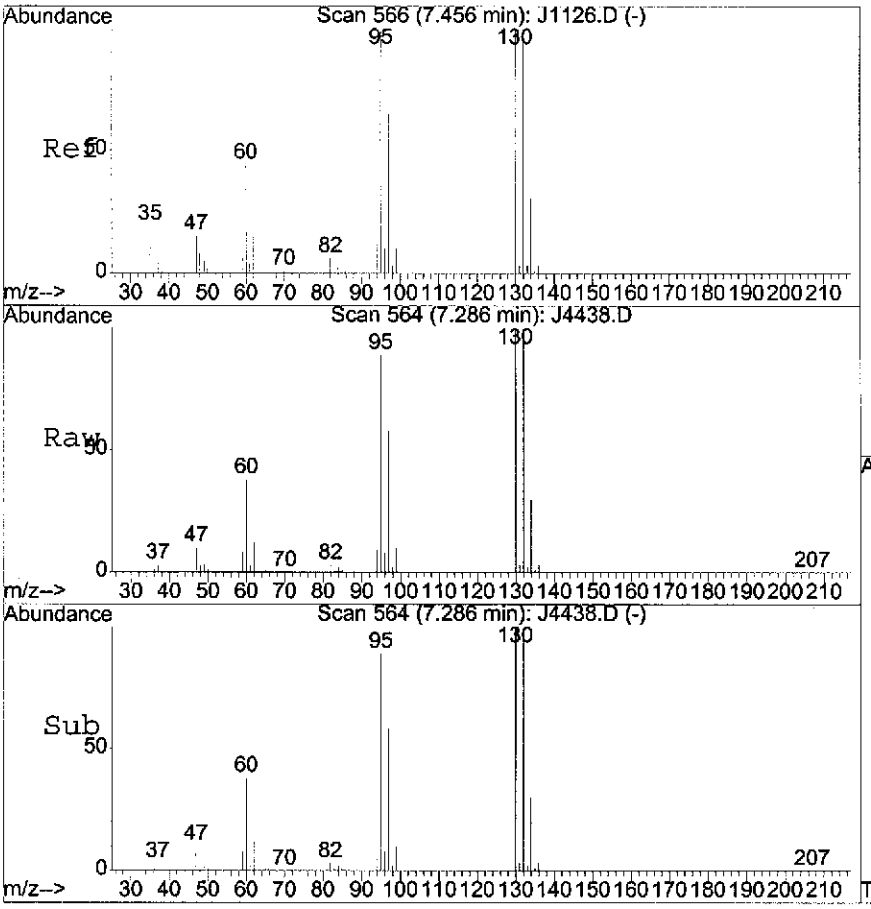


#32
Benzene
Concen: 42.15 UG
RT: 6.57 min Scan# 493
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion: 78 Resp: 674788

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	22.9	18.2	27.4

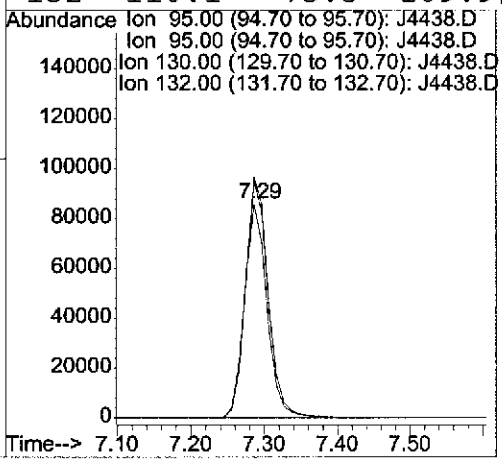


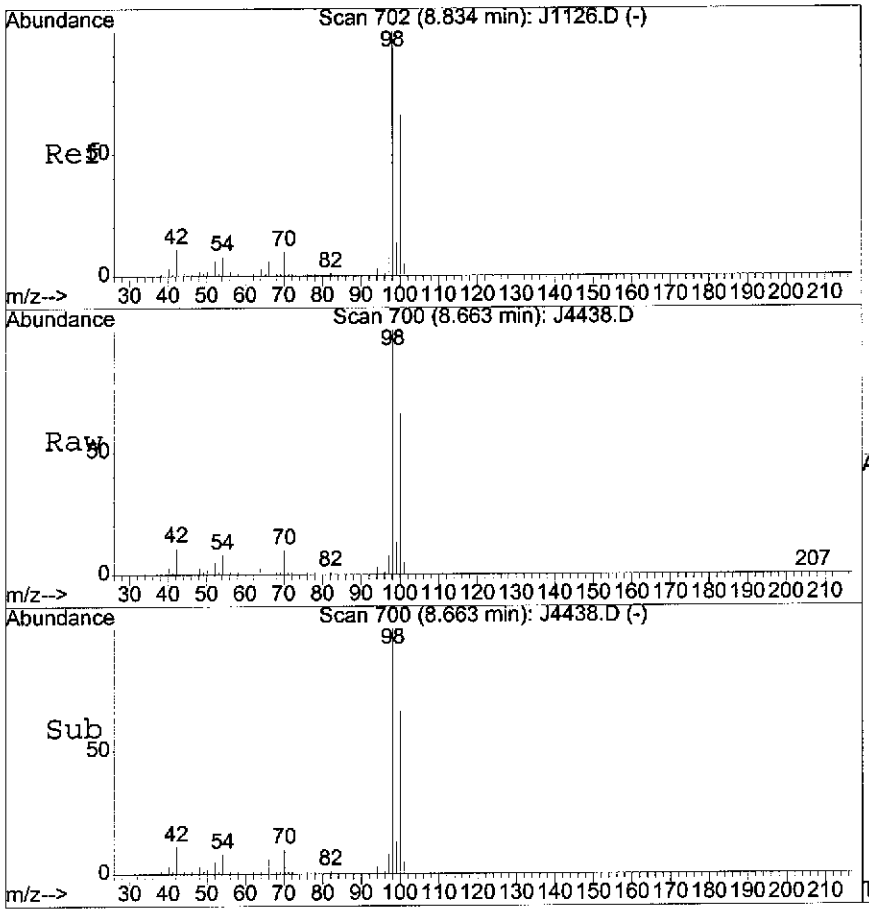


#33
Trichloroethene
Concen: 44.04 UG
RT: 7.29 min Scan# 564
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion: 95 Resp: 184568

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	113.9	76.2	114.2
132	110.1	73.3	109.9#

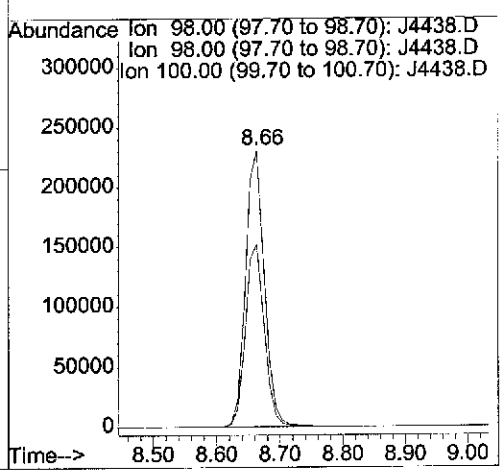


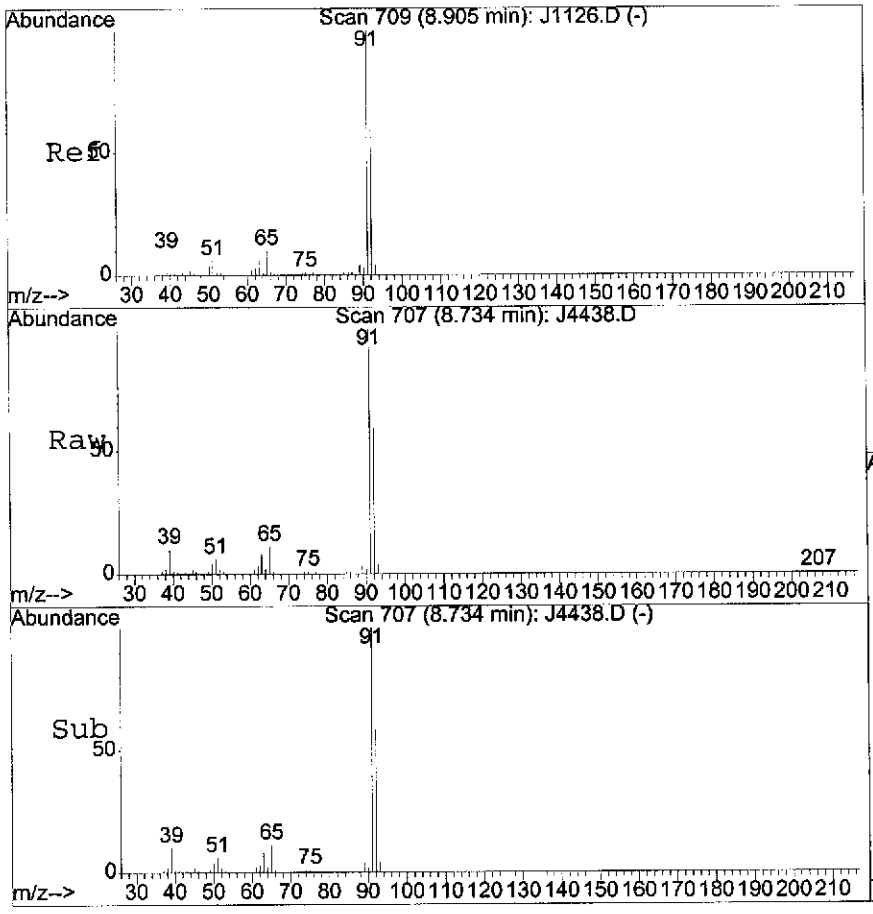


#41
Toluene-d8
Concen: N.D. UG
RT: 8.66 min Scan# 700
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion: 98 Resp: 476215

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.4	65.4	98.2

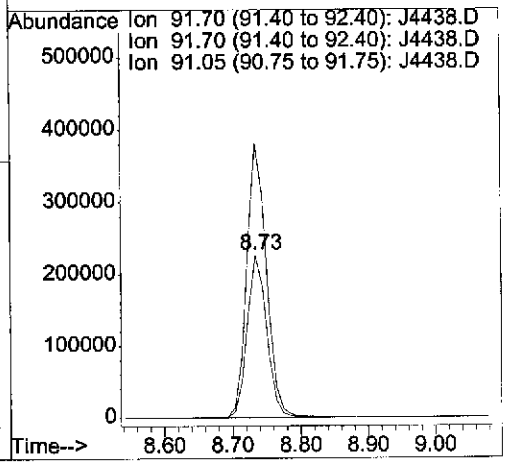


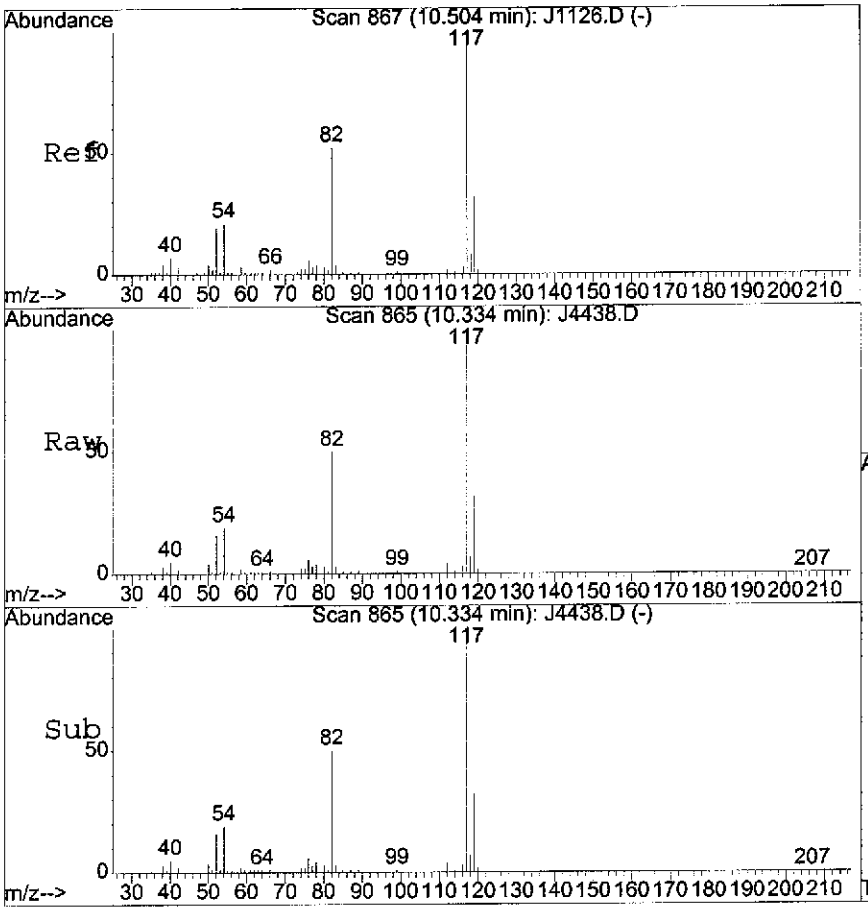


#42
Toluene
Concen: 43.48 UG
RT: 8.73 min Scan# 707
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion: 92 Resp: 452757

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
91	169.8	135.2	202.8

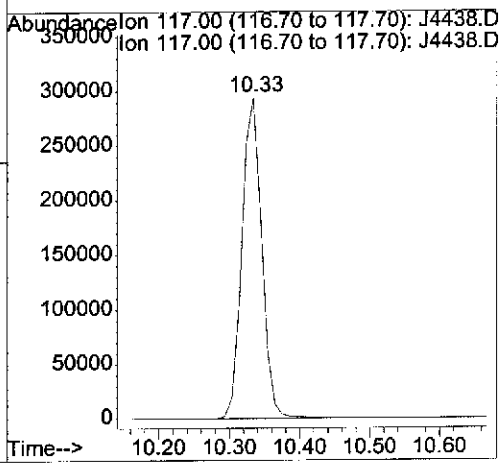


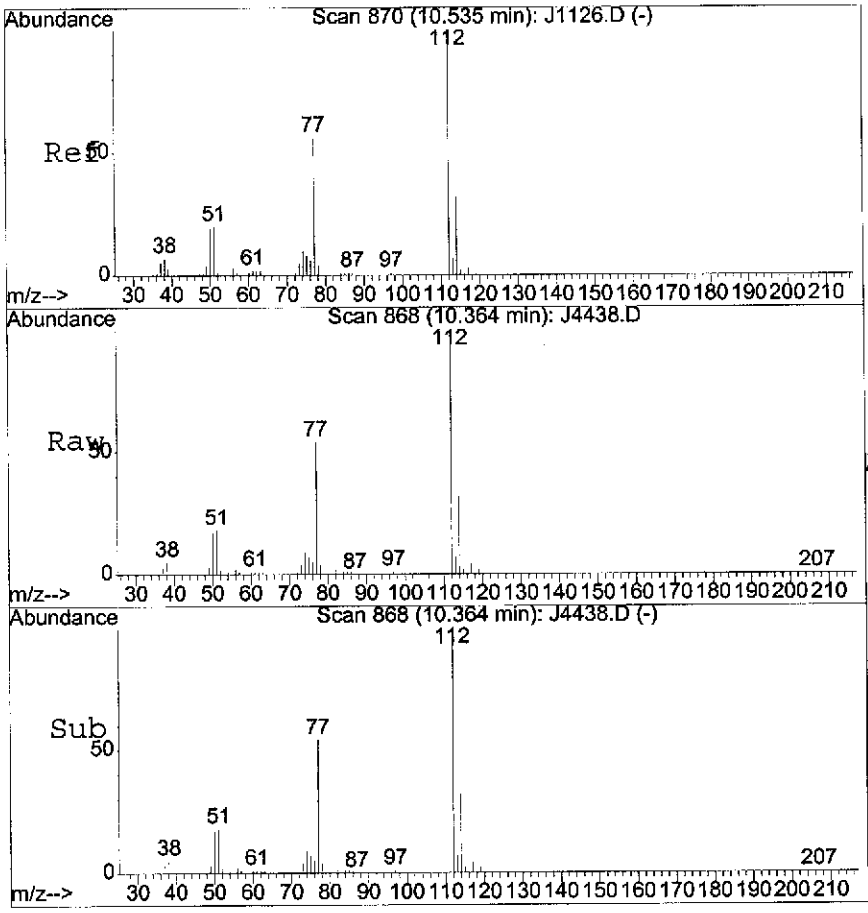


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion:117 Resp: 573399

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

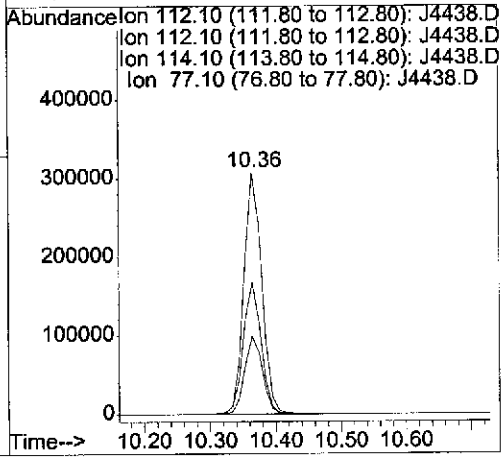


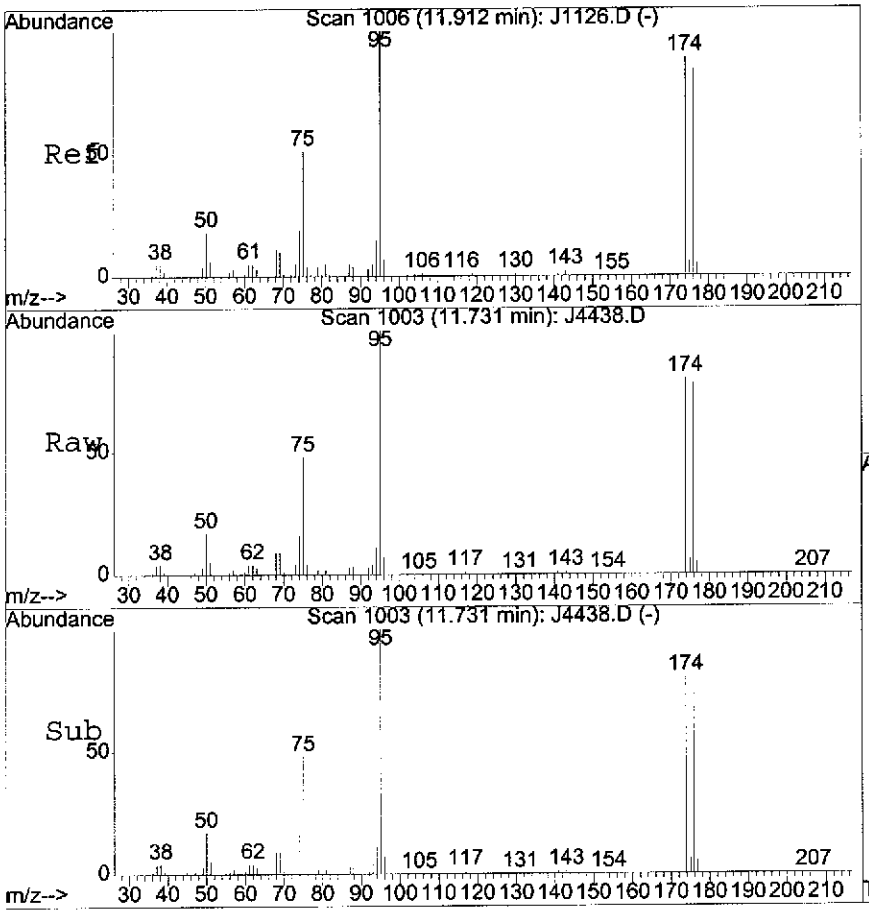


#51
Chlorobenzene
Concen: 44.43 UG
RT: 10.36 min Scan# 868
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion:112 Resp: 583497

Ion	Ratio	Lower	Upper
112	100		
112	100.0	80.0	120.0
114	32.2	25.4	38.2
77	0.0	49.5	74.3#

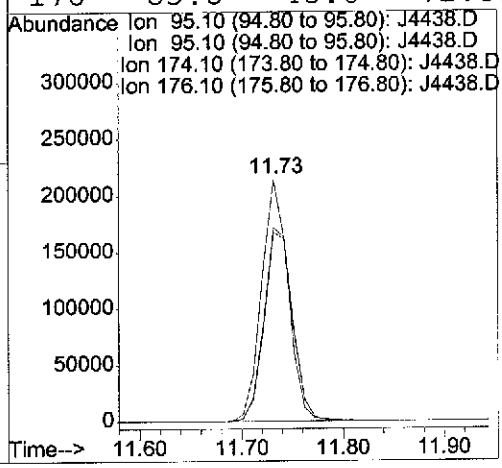




#59
Bromofluorobenzene
Concen: Below UG
RT: 11.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: J4438.D
Acq: 8 Apr 2008 3:28 pm

Tgt Ion: 95 Resp: 392105

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.8	50.9	76.3#
176	83.8	48.6	72.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-08-08\J4439.D
Acq On : 8 Apr 2008 3:54 pm
Sample : MSD,MSD,A,5ml,100
Misc : TWT/SPRING_INC.,04/03/08,04/04/08,1
MS Integration Params: LSCINT.P
Quant Time: Apr 08 15:14:31 2008

Vial: 13
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00
Quant Results File: JAW0403.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration
DataAcq Meth : JAW0403

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	317725	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	540790	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	549612	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	172994	47.02	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.04%			
41) Toluene-d8	8.66	98	487346	47.74	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 95.48%			
59) Bromofluorobenzene	11.73	95	381792	46.99	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.98%			
Target Compounds						Qvalue
9) 1,1-Dichloroethene	3.50	96	105187	35.60	UG	# 8
32) Benzene	6.57	78	660662	42.87	UG	100
33) Trichloroethene	7.29	95	180959	44.85	UG	88
42) Toluene	8.73	92	444534	44.35	UG	99
51) Chlorobenzene	10.36	112	569835	45.27	UG	# 74

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

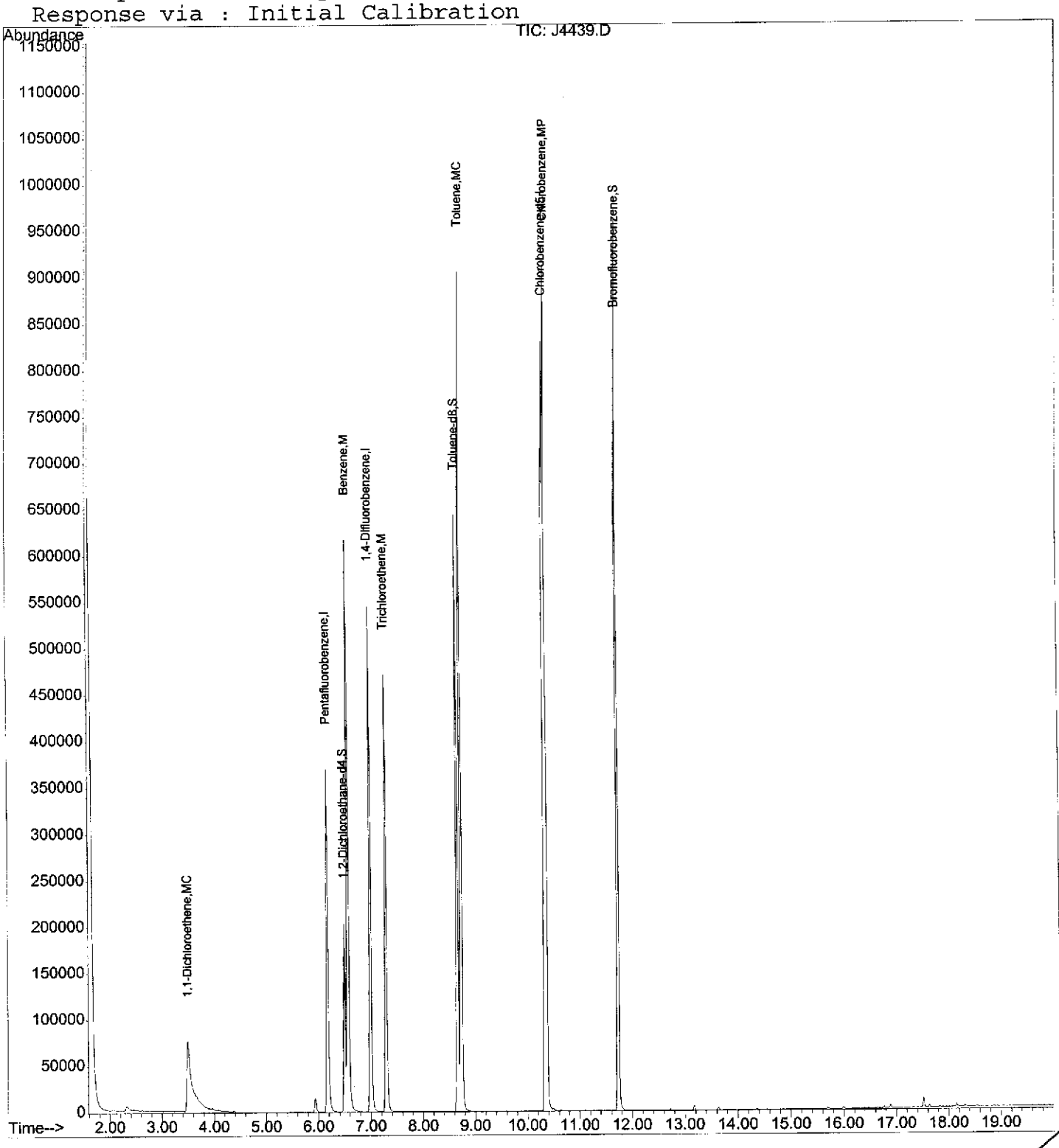
Quantitation Report (QT Reviewed)

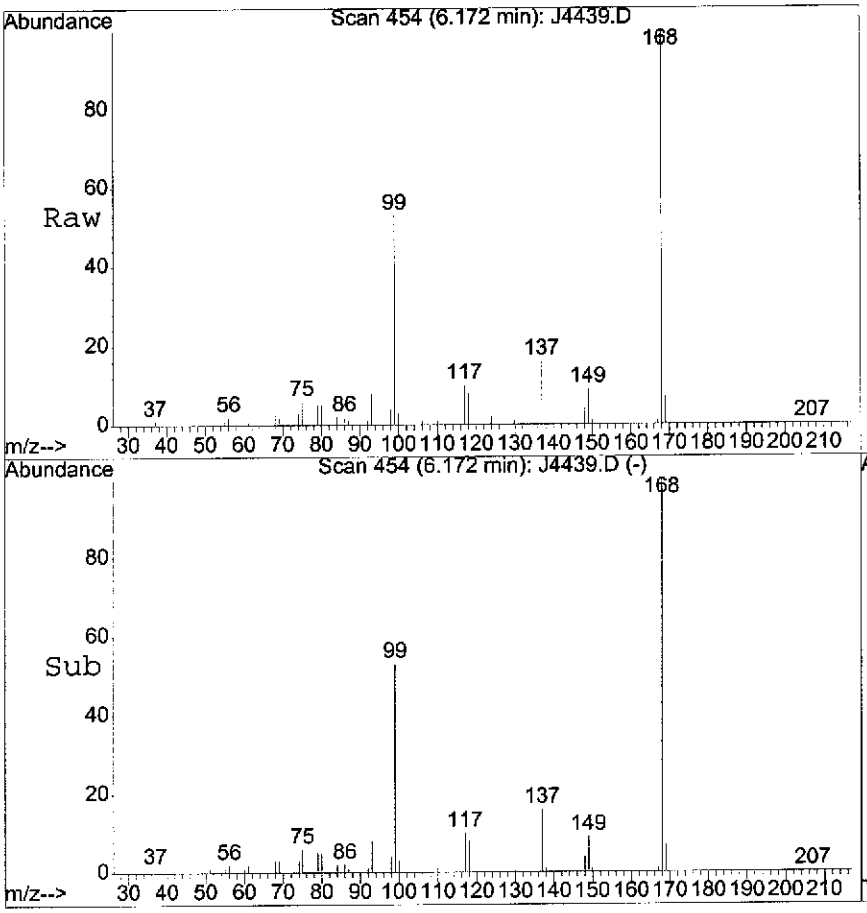
Data File : C:\MSDCHEM\1\DATA\04-08-08\J4439.D
Acq On : 8 Apr 2008 3:54 pm
Sample : MSD,MSD,A,5ml,100
Misc : TWT/SPRING_INC.,04/03/08,04/04/08,1
MS Integration Params: LSCINT.P
Quant Time: Apr 9 14:52 2008

Vial: 13
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

Quant Results File: JAW0403.RES

Method : C:\MSDCHEM\1\METHODS\JAW0403.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Apr 04 09:53:48 2008
Response via : Initial Calibration

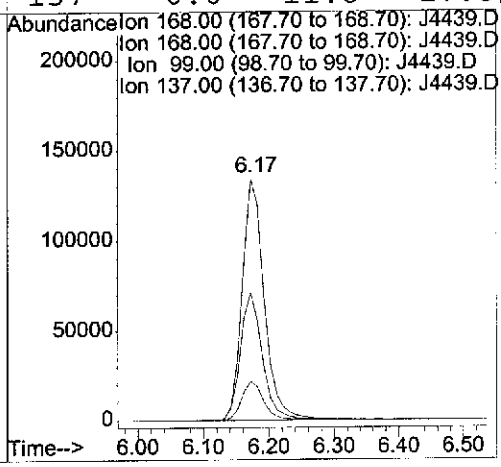


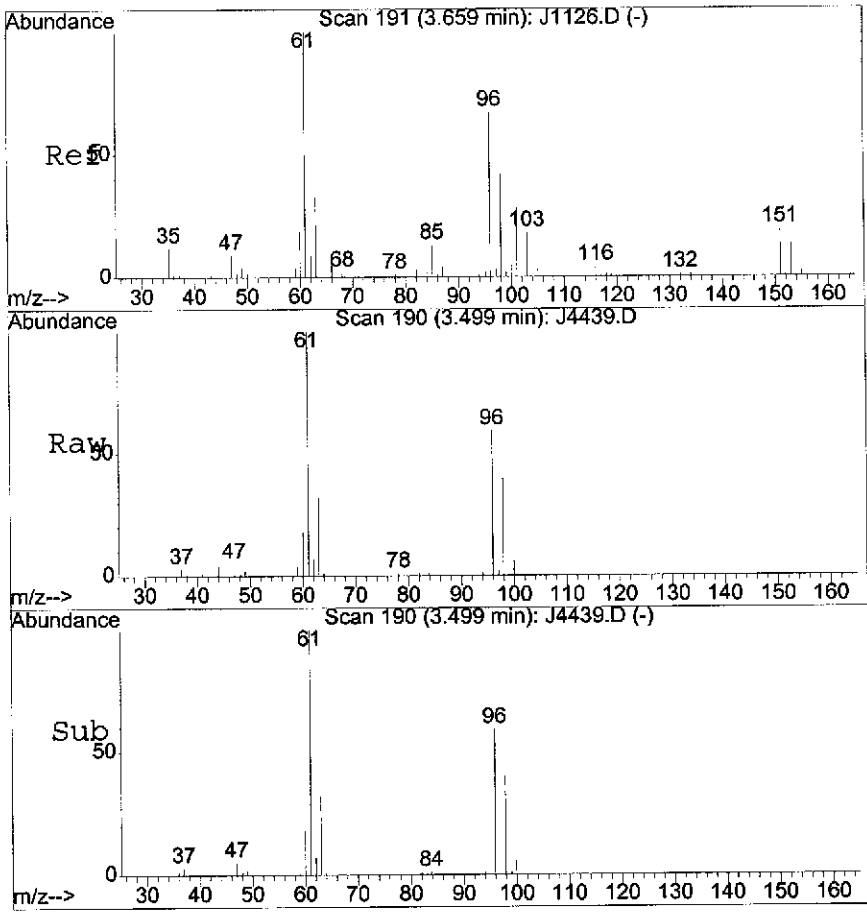


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.17 min Scan# 454
Delta R.T. 0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion:168 Resp: 317725

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	62.4	93.6#
137	0.0	11.8	17.8#

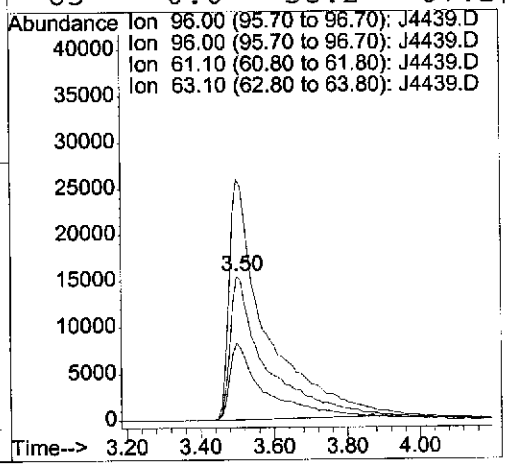


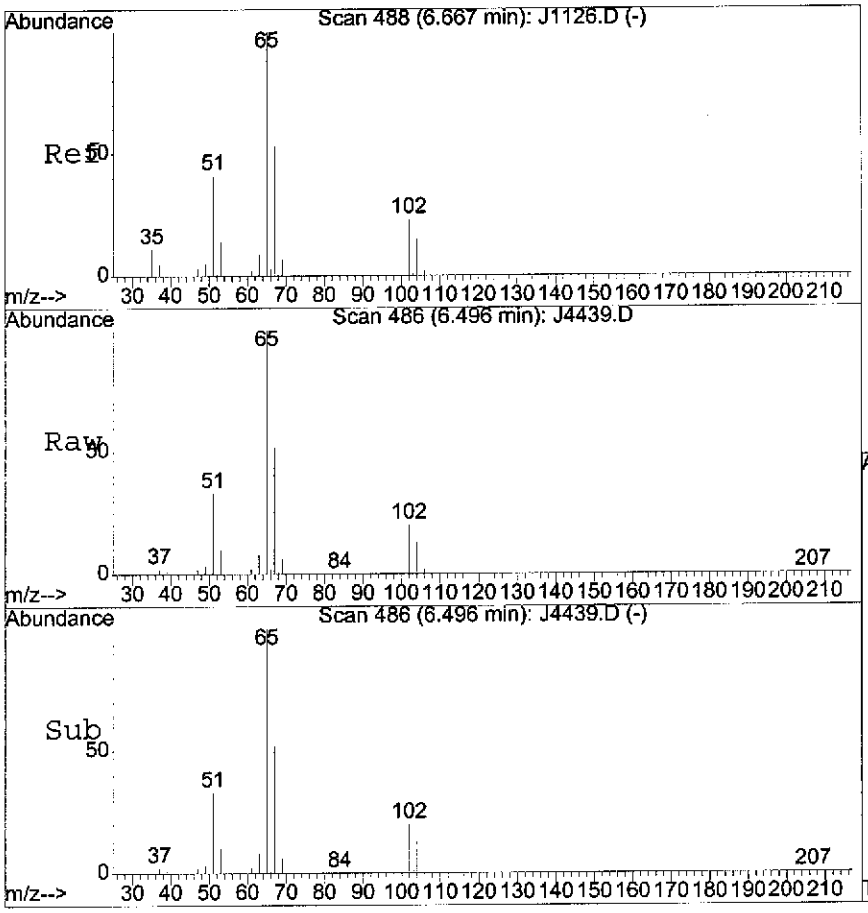


#9
1,1-Dichloroethene
Concen: 35.60 UG
RT: 3.50 min Scan# 190
Delta R.T. 0.01 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion: 96 Resp: 105187

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	175.2	262.8#
63	0.0	58.2	87.2#

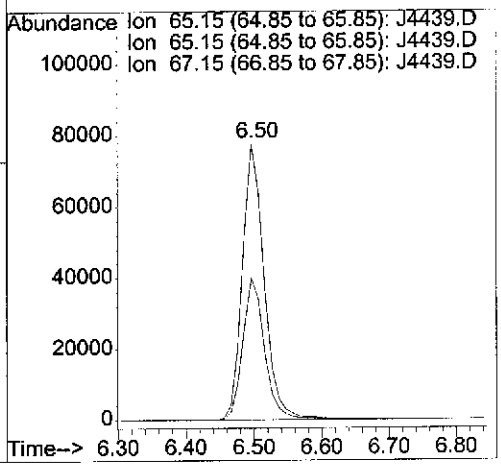


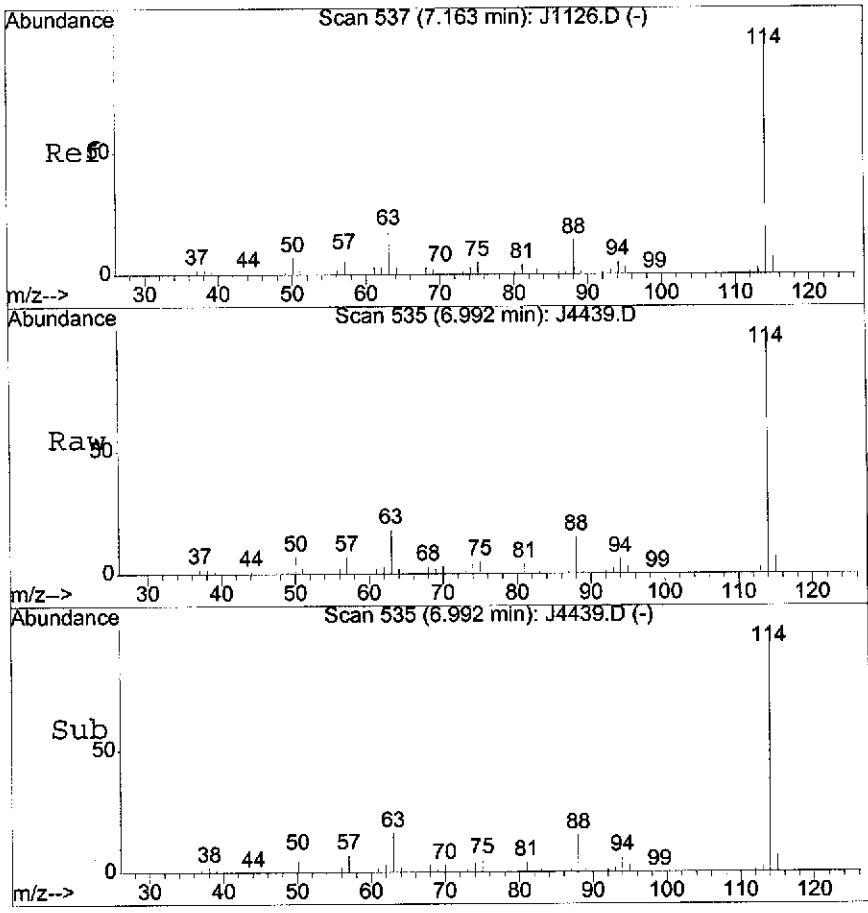


#30
1,2-Dichloroethane-d4
Concen: N.D. UG
RT: 6.50 min Scan# 486
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion: 65 Resp: 172994

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	51.2	47.4	71.2

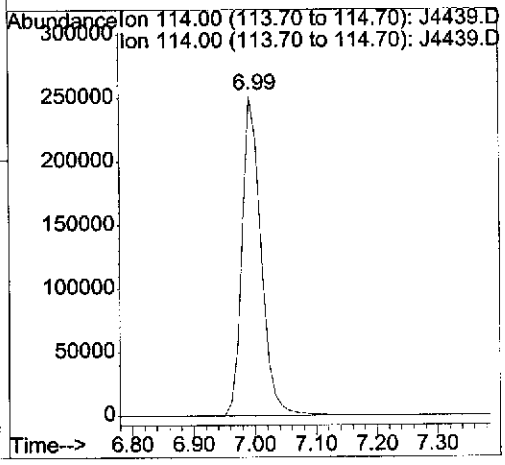


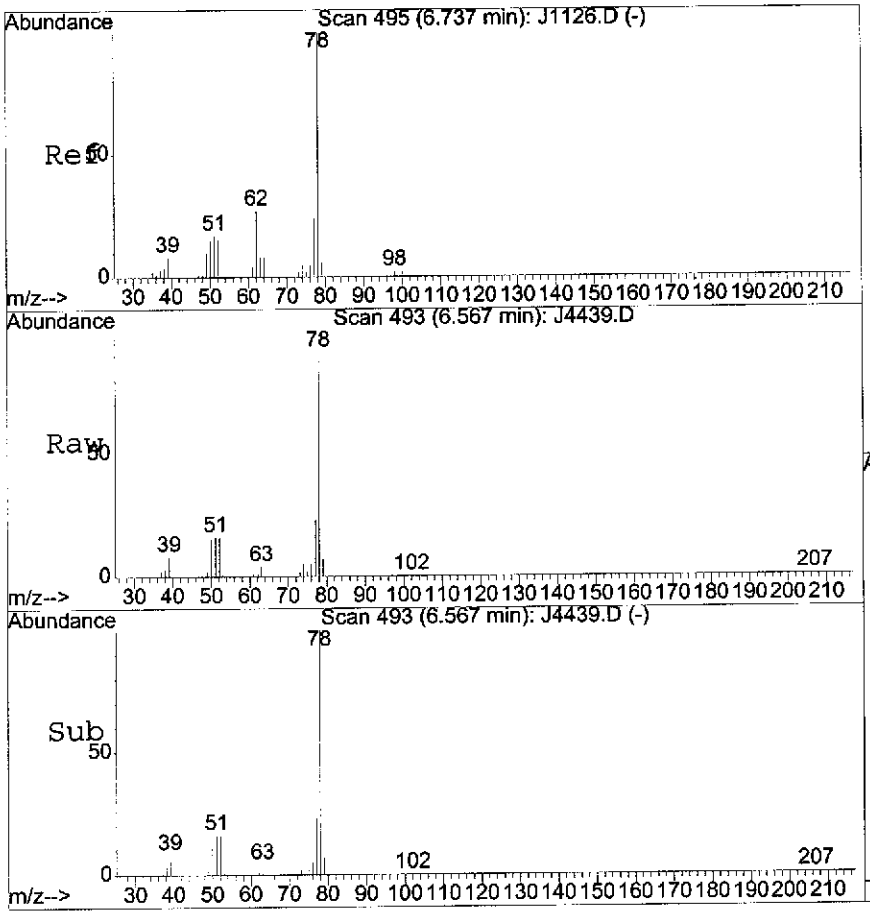


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 6.99 min Scan# 535
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion:114 Resp: 540790

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

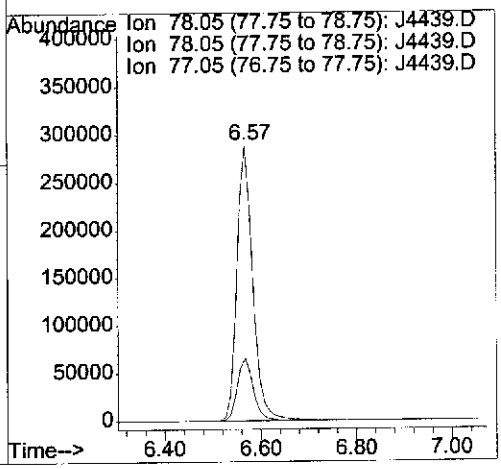


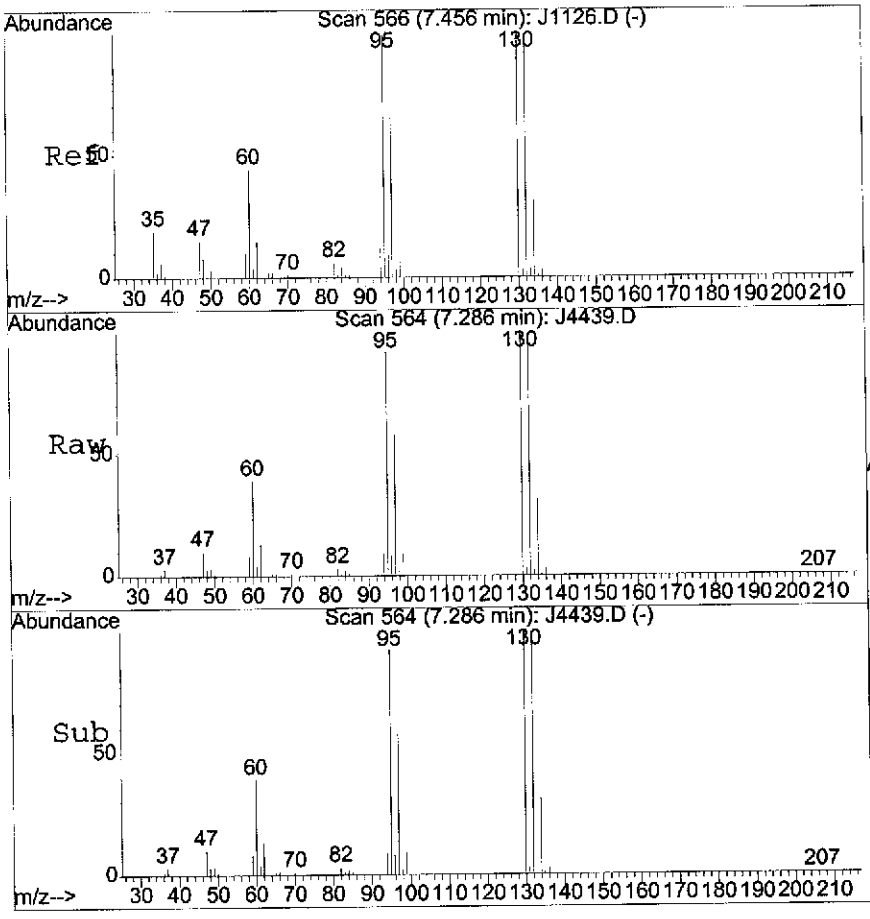


#32
Benzene
Concen: 42.87 UG
RT: 6.57 min Scan# 493
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion: 78 Resp: 660662

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	23.1	18.2	27.4

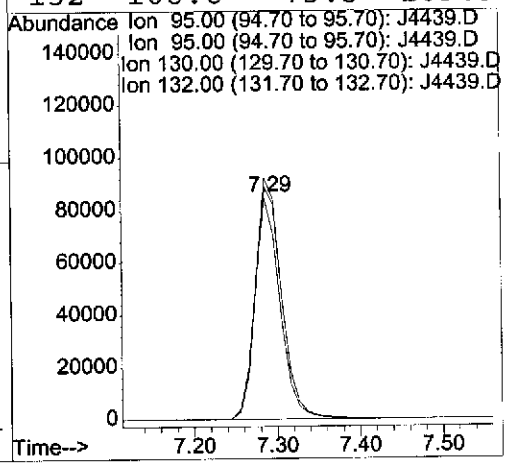


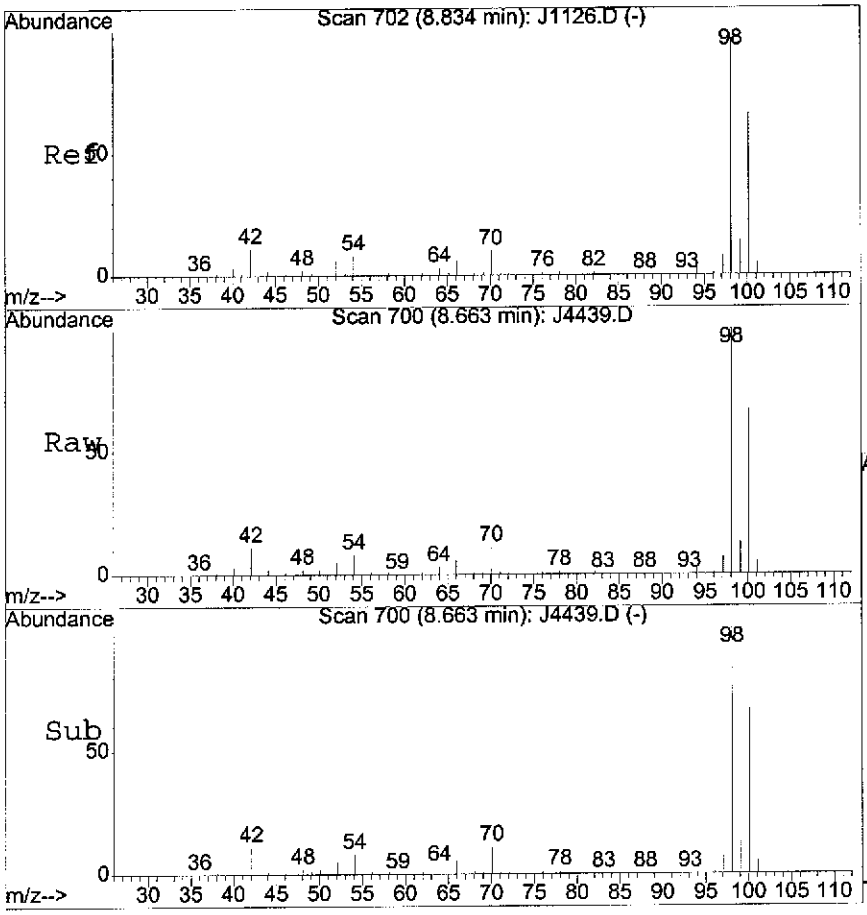


#33
Trichloroethene
Concen: 44.85 UG
RT: 7.29 min Scan# 564
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion: 95 Resp: 180959

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	112.2	76.2	114.2
132	108.6	73.3	109.9

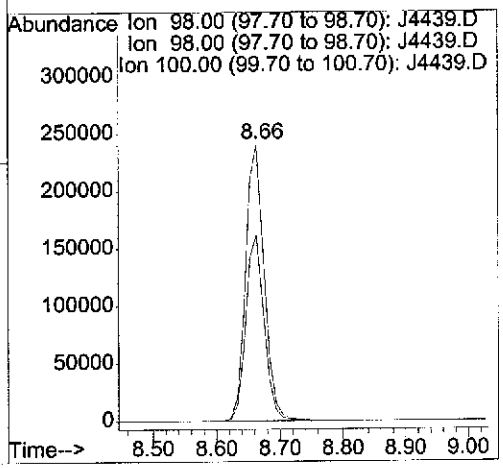


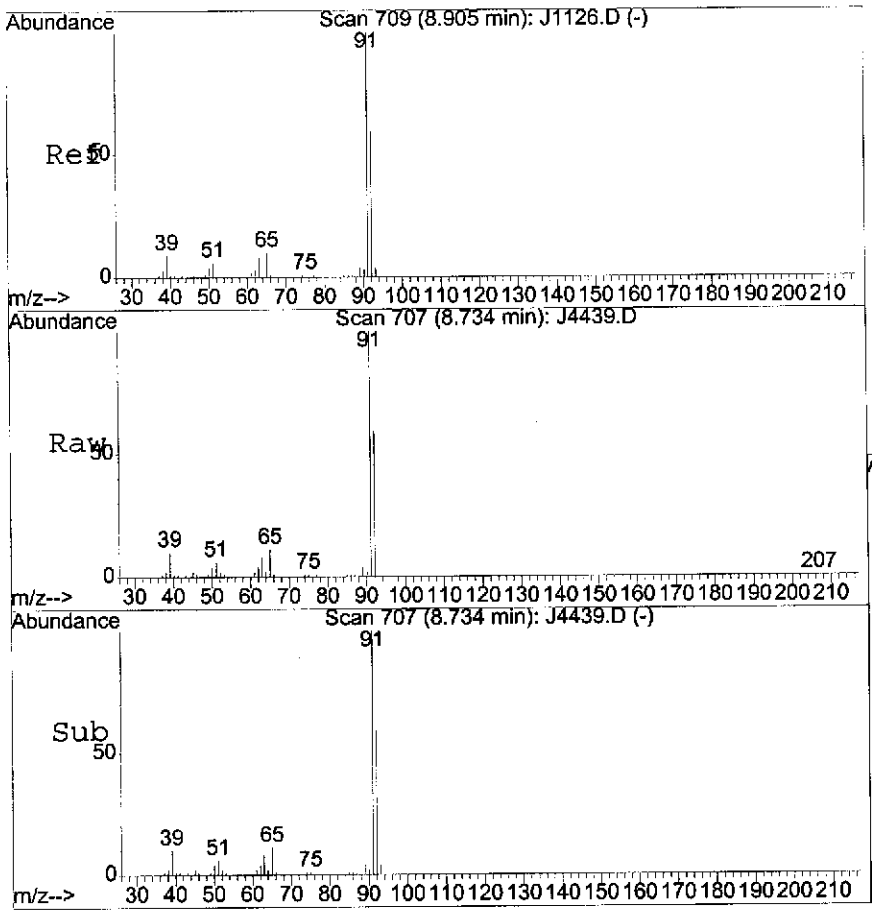


#41
Toluene-d8
Concen: Below UG
RT: 8.66 min Scan# 700
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion: 98 Resp: 487346

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.6	65.4	98.2

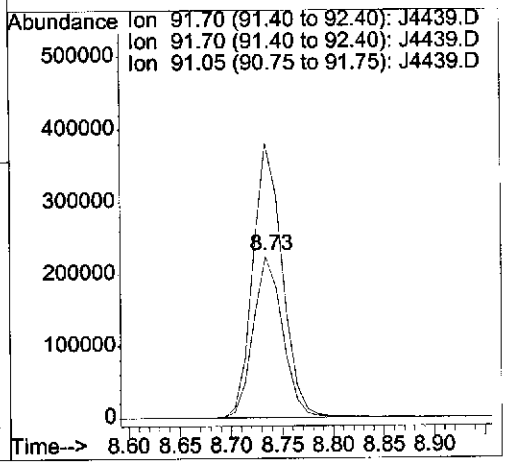


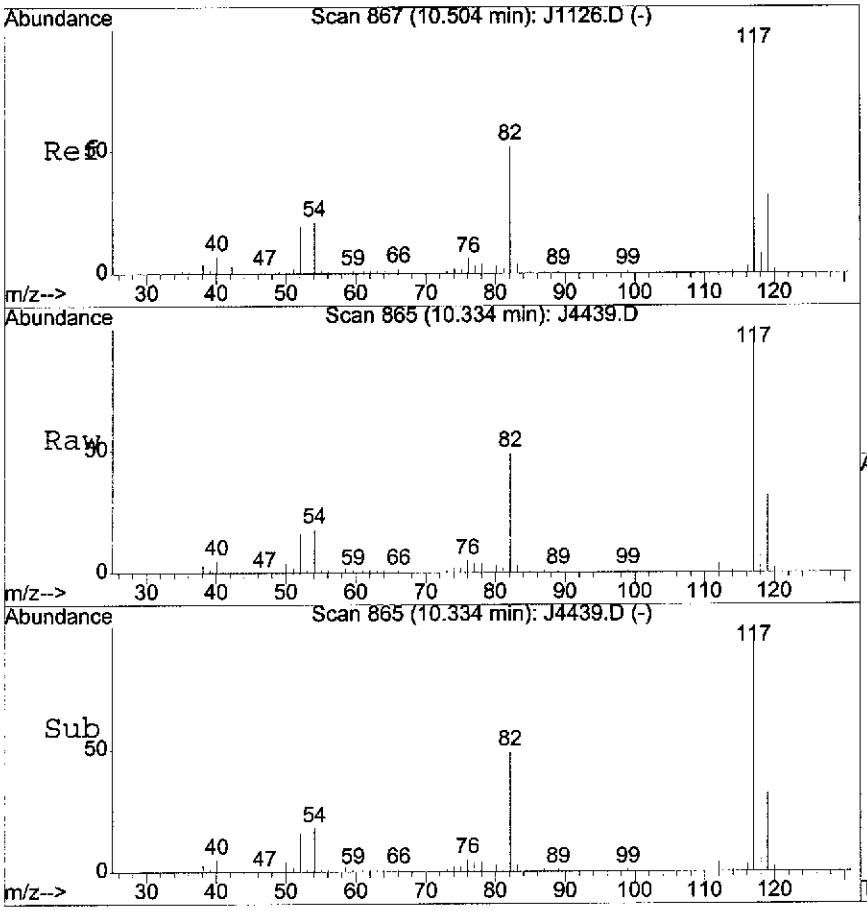


#42
Toluene
Concen: 44.35 UG
RT: 8.73 min Scan# 707
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion: 92 Resp: 444534

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
91	170.7	135.2	202.8

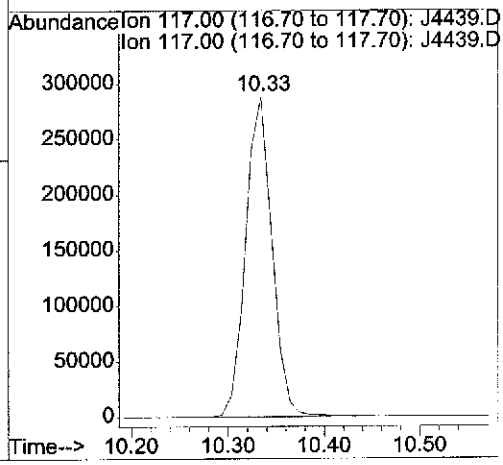


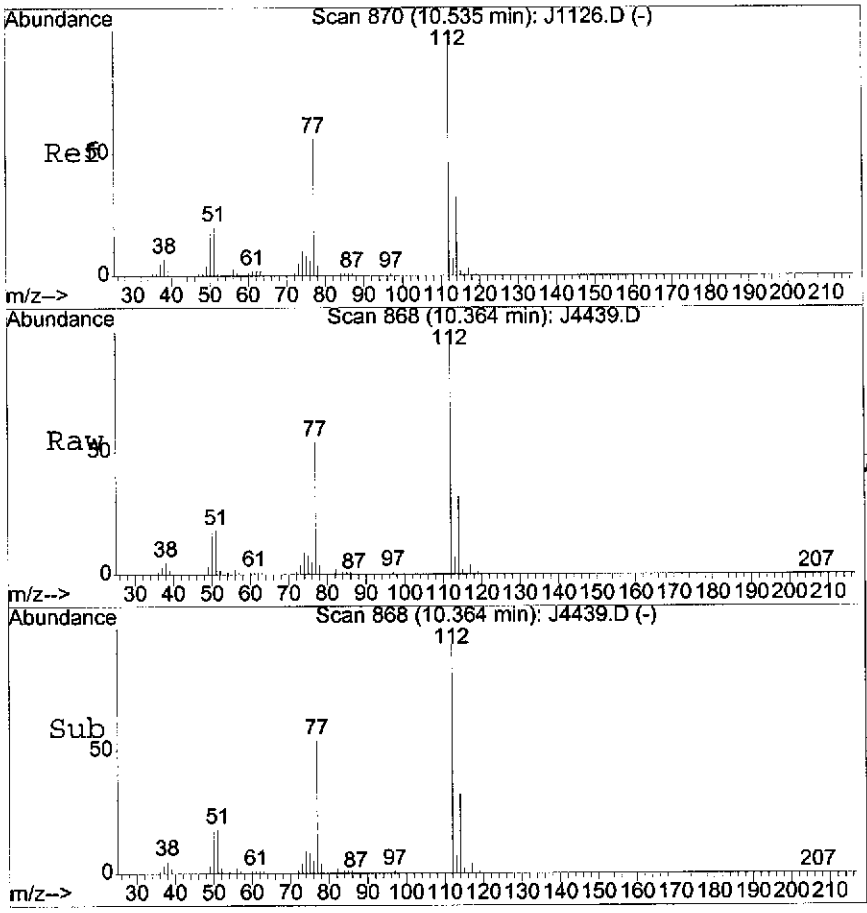


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.33 min Scan# 865
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion:117 Resp: 549612

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

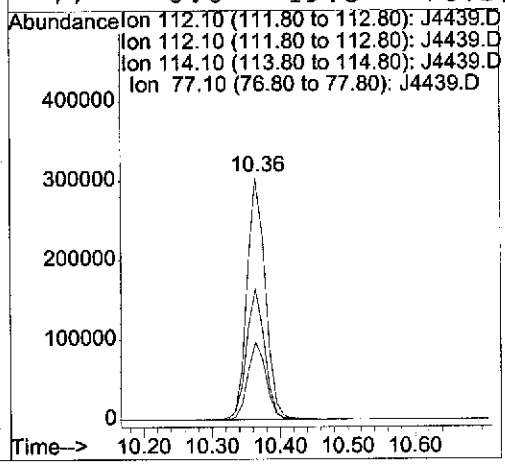


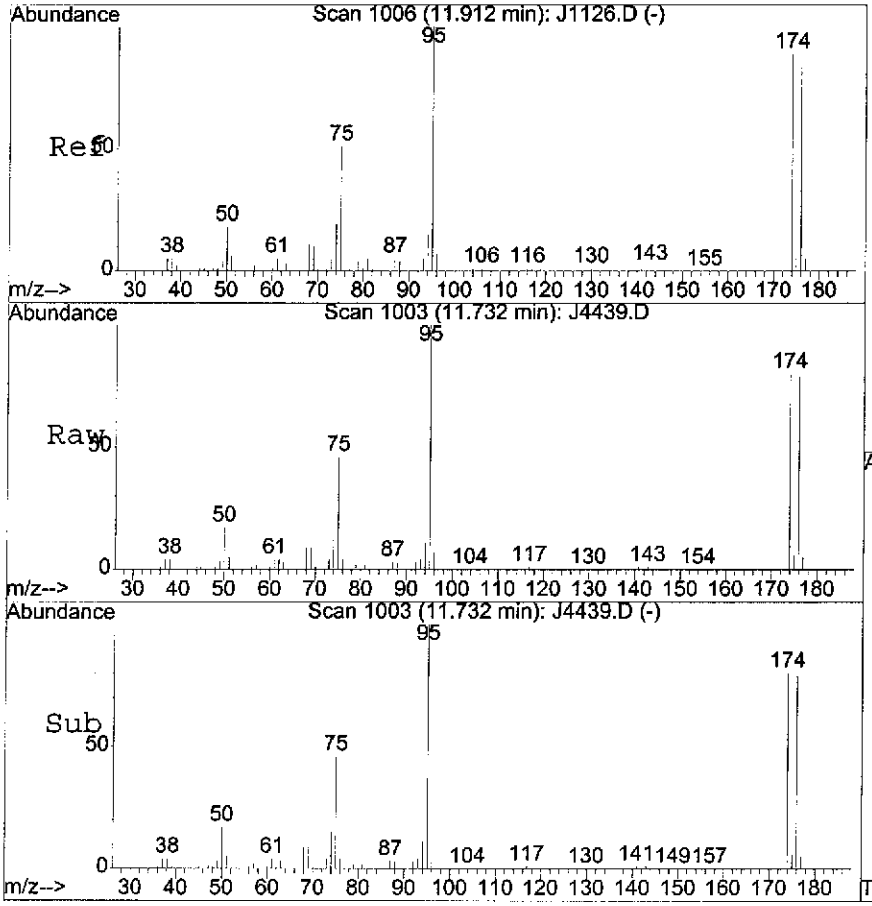


#51
Chlorobenzene
Concen: 45.27 UG
RT: 10.36 min Scan# 868
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion:112 Resp: 569835

Ion	Ratio	Lower	Upper
112	100		
112	100.0	80.0	120.0
114	32.1	25.4	38.2
77	0.0	49.5	74.3#

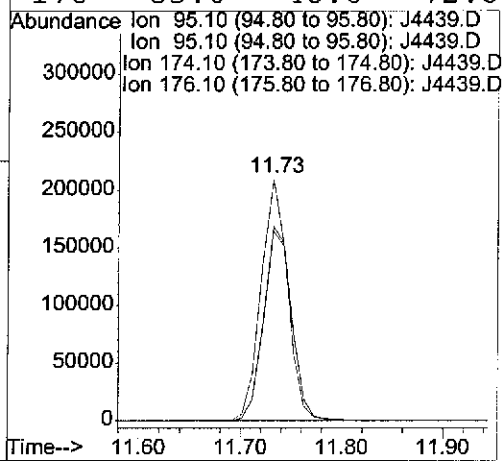




#59
Bromofluorobenzene
Concen: Below UG
RT: 11.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: J4439.D
Acq: 8 Apr 2008 3:54 pm

Tgt Ion: 95 Resp: 381792

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.8	50.9	76.3#
176	83.0	48.6	72.8#



LABORATORY CHRONICLE - GC/MS VOA (Soil)

DATE: 4/3/08 0:00

INSTRUMENT: MSDJ

TUNE FILE: TUNE J

SEQUENCE FILE:

METHOD: JAW0403

ANALYST: Bin Xu

Initial

STANDARD	#	#	(ul)	CONC.
BFB	LS500		2	50 ng
ISTD/SURR	LS477		1	250 ug/mL
8260 MIX	LS495		200	20 ug/mL
MTBE/TBA	LS495		20	200/400 ug/mL
8260 SPK	LS497		80	25 ug/mL
VINYL ACETATE	LS495		200	20 ug/mL
ACRO/ACRY	LS487		12	1000 ug/mL
EXTRA TCL MIX	LS495		200	20 ug/mL

Vial #	Data File	Case #	Samp #	DF	Wt /Vol	Jar #	MX	Client ID	Samp Date	Recd Date	% Moist	Comments
2	J4337	BFB TUNING									100	OK
3	J4338	1PPB			5		A				100	-
4	J4339	5PPB			5		A				100	-
5	J4340	20PPB			5		A				100	OK
6	J4341	50PPB			5		A				100	OK
7	J4342	100PPB			5		A				100	OK
8	J4343	150PPB			5		A				100	OK
9	J4344	200PPB			5		A				100	OK
10	J4345	BL			5		A				100	-
11	J4346	5PPB			5		A				100	OK
12	J4347	1PPB			5		A				100	OK

LABORATORY CHRONICLE - GC/MS VOA (Soil)

DATE: 4/8/08 0:00

INSTRUMENT: MSDJ

TUNE FILE: TUNE J

SEQUENCE FILE:

METHOD: JAW0403

ANALYST: Bin Xu

Initial

STANDARD	#	#	(ul)	CONC.
BFB	LS500		2	50 ng
ISTD/SURR	LS477		1	250 ug/mL
8260 MIX	LS495		200	20 ug/mL
MTBE/TBA	LS495		20	200/400 ug/mL
8260 SPK	LS497		80	25 ug/mL
VINYL ACETATE	LS495		200	20 ug/mL
ACRO/ACRY	LS487		12	1000 ug/mL
EXTRA TCL MIX	LS495		200	20 ug/mL

Vial #	Data File	Case #	Samp #	DF	Wt /Vol	Jar #	MX	Client ID	Samp Date	Recd Date	% Moist	Comments
2	J4428	BFB TUNING									100	OK
3	J4429	100PPB									100	OK
4	J4430	bl									100	-
5	J4431	BL									100	-
6	J4432	NA	METHOD-BLK								100	OK
7	J4433	3626	2		5		A	EFFLUENT	04/01/08	04/02/08	100	OK
8	J4434		1		0.5		A	INFLUENT	04/01/08	04/02/08	100	OK
9	J4435	LCS-50PPB	BLK-SPK		5		A				100	OK
10	J4436	3500	3		2.5		A	DUP032808	03/28/08	03/31/08	100	OK
11	J4437		1		2.5		A	MW-6	03/28/08	03/31/08	100	OK
12	J4438	MS	MS		5		A				100	OK
13	J4439	MSD	MSD		5		A				100	OK
14	J4440	3767	1		5		A	MW-6	04/03/08	04/04/08	100	OK
15	J4441		2		5		A	MW-5	04/03/08	04/04/08	100	OK
16	J4442		3		5		A	MW-4	04/03/08	04/04/08	100	OK
17	J4443		4		5		A	MW-3	04/03/08	04/04/08	100	OK
18	J4444		5		5		A	MW-2	04/03/08	04/04/08	100	OK
19	J4445		6		5		A	MW-1	04/03/08	04/04/08	100	OK
20	J4446		7		5		A	FIELD_BLANK	04/03/08	04/04/08	100	OK
21	J4447		8		5		A	TRIP_BLANK	04/03/08	04/04/08	100	OK
22	J4448	3530	1		5		A	BLDG_710	04/01/08	04/01/08	100	OK
23	J4449	3498	4		5		A	DUP033108	03/31/08	03/31/08	100	OK
24	J4450		5		5		A	MW-14	03/31/08	03/31/08	100	OK
25	J4451		6		5		A	MW-11	03/31/08	03/31/08	100	OK

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B5968.D

DFTPP Injection Date : 03/26/2008

Inst ID: MSDB

DFTPP Injection Time: 07:59

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	37.6			
68	Less than 2.0% of mass 69	0.8	(	1.7	)1
69	Mass 69 relative abundance	47.5			
70	Less than 2.0% of mass 69	0.5	(	1.0	)1
127	40.0 - 60.0% of mass 198	58.6			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	8.1			
275	10.0 - 30.0% of mass 198	24.3			
365	Greater than 1.0% of mass 198	2.3			
441	Present, but less than mass 443	7.56	(	52.9	)3
442	40.0 - 100.0% of mass 198	66.5			
443	17.0 - 23.0% of mass 442	14.3	(	21.5	)2

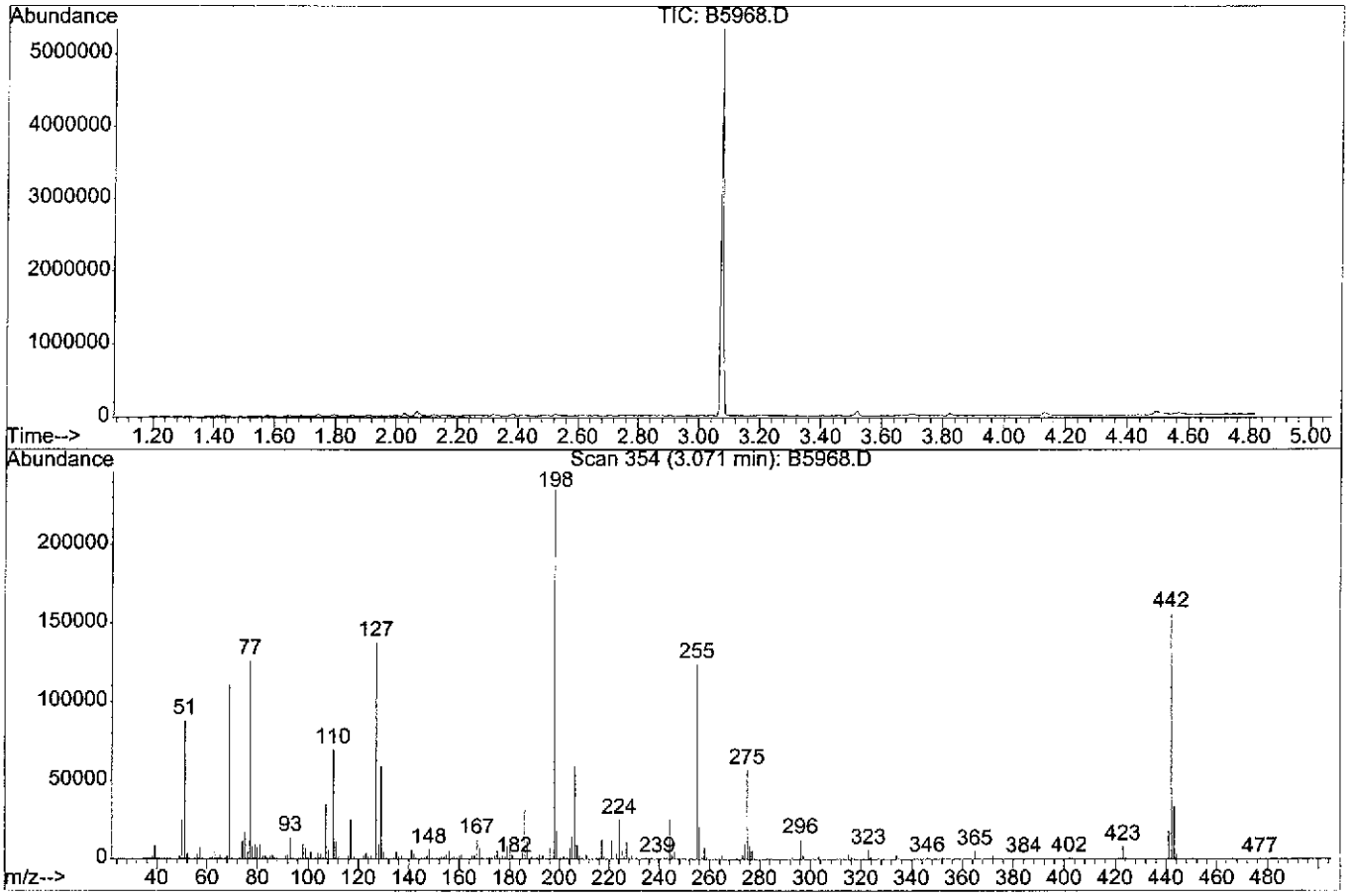
1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
ABN004.08	5ng_BNA_FOR_0	B5969.D	03/26/2008	08:16
ABN005.08	10ng_BNA_FOR_	B5970.D	03/26/2008	08:31
ABN007.08	50ng_BNA_FOR_	B5972.D	03/26/2008	09:17
ABN008.08	80ng_BNA_FOR_	B5973.D	03/26/2008	09:32
ABN019.08	80ng_olmo4_FOR	B5974.D	03/26/2008	09:48
ABN006.08	20ng_BNA_FOR_	B5975.D	03/26/2008	10:04
ABN018.08	50ng_olmo4_FOR	B5976.D	03/26/2008	10:31
ABN017.08	20ng_OLMO4_FO	B5977.D	03/26/2008	10:46
ABN016.08	10ng_OLMO4_FO	B5978.D	03/26/2008	11:02
ABN015.08	5ng_OLMO4_FOR	B5979.D	03/26/2008	11:17

DFTPP

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5968.D Vial: 96
Acq On : 26 Mar 2008 7:59 Operator: JC
Sample : .,50ng_DFTPP2_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD



Spectrum Information: Scan 354

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.6	88360	PASS
68	69	0.00	2	1.7	1912	PASS
69	198	0.00	100	47.5	111808	PASS
70	69	0.00	2	1.0	1172	PASS
127	198	40	60	58.6	137792	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	235264	PASS
199	198	5	9	8.1	19144	PASS
275	198	10	30	24.3	57176	PASS
365	198	1	100	2.3	5377	PASS
441	443	0.01	100	52.9	17832	PASS
442	198	40	100	66.5	156416	PASS
443	442	17	23	21.5	33704	PASS

Scan 354 (3.071 min): B5968.D
.,50ng_DFTPP2_FOR_03/26/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.20	553	50.10	25600	64.10	811	75.10	17384
38.10	2015	51.10	88360	65.10	2664	76.10	4822
39.10	8740	52.10	3856	65.90	395	77.10	126056
40.20	252	53.10	263	66.90	261	78.10	8090
41.00	623	55.20	1113	67.40	589	79.10	9535
43.00	609	56.10	3876	68.00	1912	80.00	7322
44.10	480	57.10	7961	69.00	111808	81.10	9715
45.30	364	58.20	457	70.00	1172	82.10	2564
47.00	160	61.10	1267	71.10	302	83.10	2036
47.90	267	62.00	1537	72.90	694	84.10	816
49.00	1804	63.10	4647	74.10	11607	85.10	2155

Scan 354 (3.071 min): B5968.D
.,50ng_DFTPP2_FOR_03/26/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.10	2567	98.00	9597	111.10	11467	125.00	2648
87.10	1056	99.10	7454	112.10	1685	127.00	137792
88.00	675	100.10	990	114.20	182	128.10	9572
88.90	497	101.10	4796	115.00	180	129.00	59080
91.10	2014	103.00	1365	116.10	1990	130.10	4658
92.00	2823	104.00	3781	117.00	25608	131.10	1360
93.10	14015	105.00	3165	118.10	1888	131.90	664
94.10	795	106.10	1301	120.10	622	133.10	392
95.10	571	107.10	35400	122.00	2588	134.20	1109
96.30	648	108.10	5388	123.00	4057	135.10	4466
97.10	581	110.00	70000	124.00	1837	136.00	1841

Scan 354 (3.071 min): B5968.D
.,50ng_DFTPP2_FOR_03/26/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.00	2931	148.00	6426	158.90	898	170.00	710
137.80	514	149.10	1265	160.10	2013	171.10	1135
138.10	441	150.10	247	161.00	2921	172.10	990
140.00	418	151.10	964	161.90	458	173.20	1302
141.10	6226	152.20	898	163.00	213	174.10	2213
142.00	3823	152.90	1780	164.20	558	175.10	5566
142.90	2130	154.10	1668	165.10	2616	176.10	1515
143.90	151	155.00	3224	166.00	2591	177.00	2256
145.00	669	156.00	5499	167.10	12576	178.10	1677
146.00	1137	157.10	1174	168.00	6980	179.00	8383
147.20	2685	157.90	1755	169.00	1526	180.10	7175

Scan 354 (3.071 min): B5968.D
.,50ng_DFTPP2_FOR_03/26/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
181.10	2652	192.00	2828	204.10	7278	217.00	12857
182.00	660	193.20	2501	205.00	14427	218.00	2179
183.30	456	194.10	263	206.10	59624	219.00	720
183.90	654	194.80	146	207.10	9329	221.00	12373
185.00	4114	196.10	7557	208.00	2810	223.00	3907
186.10	31400	198.00	235264	209.10	1334	224.10	25472
187.00	11327	199.00	19144	210.80	3144	225.10	6107
187.90	762	199.80	688	211.90	481	226.00	1716
188.90	1720	200.30	784	213.10	190	227.00	10976
190.10	159	201.70	1813	215.00	1052	228.10	1318
191.00	1369	203.10	994	216.00	1386	229.10	2004

Scan 354 (3.071 min): B5968.D
.,50ng_DFTPP2_FOR_03/26/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
231.00	1435	240.90	656	252.90	496	265.10	2740
232.00	276	242.00	1037	255.00	124072	265.90	168
233.00	474	243.10	1775	256.00	20920	267.30	143
233.80	261	244.10	25792	257.00	1099	270.20	213
234.10	246	245.00	2947	258.00	7487	270.80	174
234.90	1266	246.10	4801	259.00	1254	271.20	261
236.00	465	247.20	591	259.90	332	273.10	3045
236.20	462	248.10	463	260.10	353	274.00	9840
237.00	1327	249.10	785	262.20	386	275.00	57176
239.20	630	251.10	246	263.10	141	276.10	8608
240.00	499	252.10	457	263.90	420	277.00	5476

Scan 354 (3.071 min): B5968.D
.,50ng_DFTPP2_FOR_03/26/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
278.00	289	294.00	331	315.00	2831	331.80	199
279.00	171	296.10	12702	316.10	1267	332.10	157
281.10	289	297.10	2070	317.10	410	332.90	254
282.90	671	298.00	326	321.10	385	334.00	2692
284.00	815	301.00	641	323.00	6057	335.00	617
284.90	1106	301.90	265	323.90	1411	338.90	285
285.90	218	303.20	1942	325.50	200	341.00	817
289.00	307	304.10	279	327.00	981	341.90	503
291.10	319	308.10	520	328.20	561	346.10	1200
292.20	368	313.00	268	329.10	224	346.80	316
293.00	1211	314.00	311	330.90	178	351.90	1106

Scan 354 (3.071 min): B5968.D
.,50ng_DFTPP2_FOR_03/26/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
353.00	926	373.20	381	405.30	301	442.00	156416
353.90	1267	374.00	272	409.80	266	443.10	33704
355.00	381	383.30	366	410.30	286	444.00	3102
357.00	264	384.10	594	414.80	160	477.10	206
358.00	232	384.90	339	418.30	145	490.10	170
358.80	181	390.00	372	421.00	1698		
364.90	5377	391.20	515	422.00	805		
365.80	675	396.00	232	423.00	8297		
369.90	161	402.10	810	424.00	1614		
371.00	250	403.00	638	425.00	694		
372.00	2334	404.00	484	441.00	17832		

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B6563.D DFTPP Injection Date : 04/11/2008

Inst ID: MSDB DFTPP Injection Time: 10:08

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	36.2			
68	Less than 2.0% of mass 69	0.8	(	1.9	)1
69	Mass 69 relative abundance	40.6			
70	Less than 2.0% of mass 69	0.3	(	0.8	)1
127	40.0 - 60.0% of mass 198	54.3			
197	Less than 1.0% of mass 198	0.6			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	7.1			
275	10.0 - 30.0% of mass 198	23.8			
365	Greater than 1.0% of mass 198	2.4			
441	Present, but less than mass 443	12.53	(	80.3	)3
442	40.0 - 100.0% of mass 198	76.5			
443	17.0 - 23.0% of mass 442	15.6	(	20.4	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
ABN006.08	20ng_BNA_FOR_	B6564.D	04/11/2008	10:25
ABN017.08	20ng_OLMO4_FO	B6565.D	04/11/2008	10:41
.	Method_blank	B6581.D	04/11/2008	14:33
.	MS(BLK)	B6582.D	04/11/2008	14:48
.	MSD(BLK)	B6583.D	04/11/2008	15:04
MW-1-040708/	03809-001	B6584.D	04/11/2008	15:19
FIELD	03809-003	B6585.D	04/11/2008	15:34
WPA	03829-001	B6586.D	04/11/2008	15:50
GW-1	03790-001	B6587.D	04/11/2008	16:05
GW-2	03790-002	B6588.D	04/11/2008	16:21
WELL_POINT/8	03810-001	B6589.D	04/11/2008	16:36
MW-2	03843-002	B6590.D	04/11/2008	16:52
MW-3	03843-003	B6591.D	04/11/2008	17:07
FIELD_BLANK	03843-004	B6592.D	04/11/2008	17:23
CR-MW1	03844-001	B6593.D	04/11/2008	17:38
SB-TW1	03863-001	B6594.D	04/11/2008	17:53
FB	03863-002	B6595.D	04/11/2008	18:09
MW1	03831-001	B6596.D	04/11/2008	18:24
MW-6	03767-001	B6597.D	04/11/2008	18:40
MW-5	03767-002	B6598.D	04/11/2008	18:55
MW-4	03767-003	B6599.D	04/11/2008	19:10
MW-3	03767-004	B6600.D	04/11/2008	19:26
MW-2	03767-005	B6601.D	04/11/2008	19:41

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B6563.D

DFTPP Injection Date : 04/11/2008

Inst ID: MSDB

DFTPP Injection Time: 10:08

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	36.2			
68	Less than 2.0% of mass 69	0.8	(	1.9	)1
69	Mass 69 relative abundance	40.6			
70	Less than 2.0% of mass 69	0.3	(	0.8	)1
127	40.0 - 60.0% of mass 198	54.3			
197	Less than 1.0% of mass 198	0.6			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	7.1			
275	10.0 - 30.0% of mass 198	23.8			
365	Greater than 1.0% of mass 198	2.4			
441	Present, but less than mass 443	0.00	(	80.3	)3
442	40.0 - 100.0% of mass 198	76.5			
443	17.0 - 23.0% of mass 442	15.6	(	20.4	)2

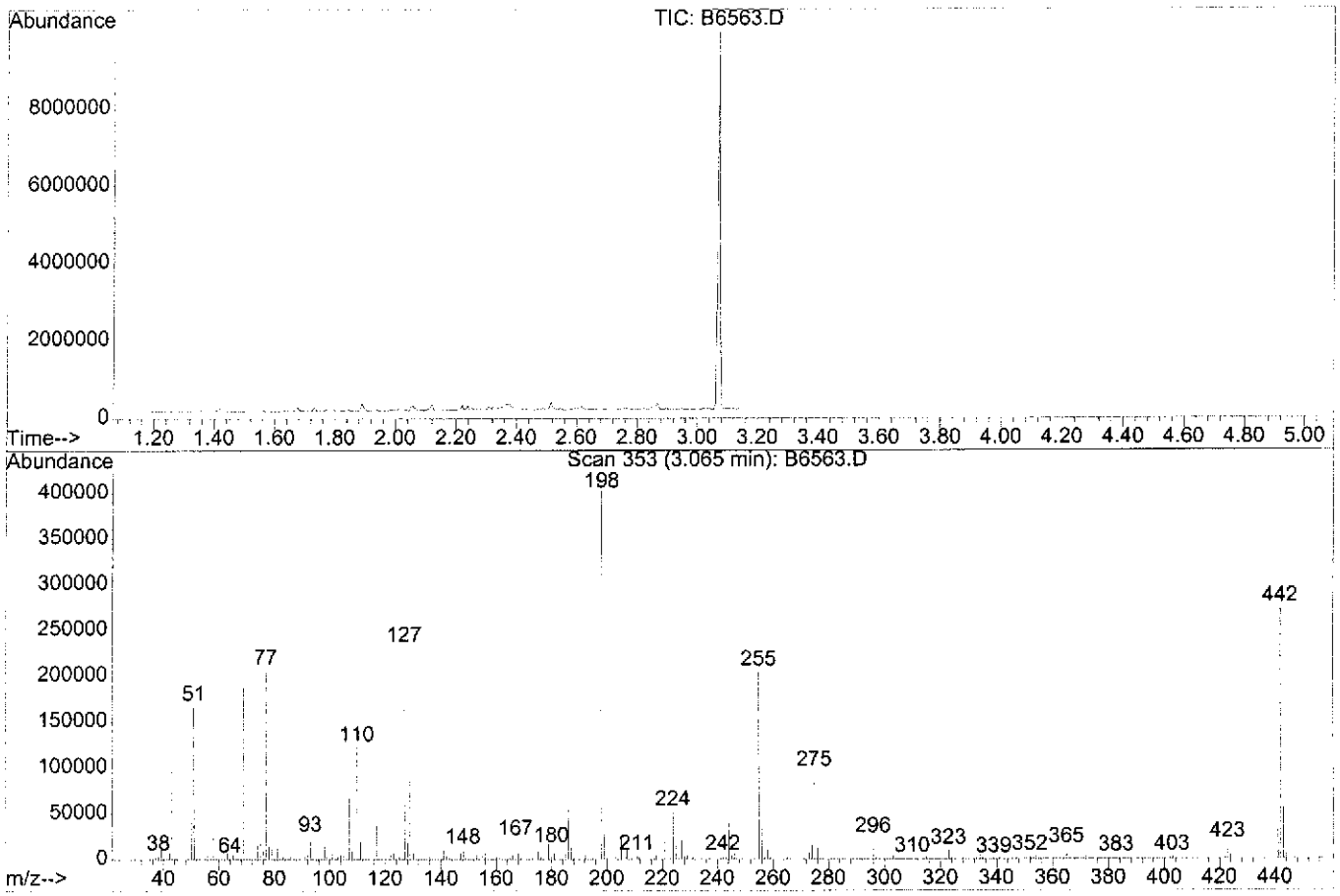
1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
FIELD_BLANK	03767-007	B6602.D	04/11/2008	19:57
ST-1	03874-001	B6603.D	04/11/2008	20:12

DFTPP

Data File : C:\MSDCHEM\1\DATA\04-11-08\SNAPSHOT\B6563.D Vial: 96
Acq On : 11 Apr 2008 10:08 Operator: JC
Sample : .,50ng_DFTPP2_FOR_04/10/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD



Spectrum Information: Scan 353

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.3	166528	PASS
68	69	0.00	2	1.6	3010	PASS
69	198	0.00	100	47.1	189888	PASS
70	69	0.00	2	0.6	1199	PASS
127	198	40	60	57.3	230848	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	402944	PASS
199	198	5	9	6.9	27648	PASS
275	198	10	30	23.6	95088	PASS
365	198	1	100	2.7	10698	PASS
441	443	0.01	100	68.4	37848	PASS
442	198	40	100	67.6	272448	PASS
443	442	17	23	20.3	55344	PASS

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	370	48.00	271	60.20	286	71.10	2247
36.10	1042	49.00	1881	61.10	2011	72.10	427
37.20	3096	50.10	45488	62.10	3408	73.10	2741
38.10	3792	51.10	166528	63.10	7683	74.10	16896
39.10	17128	52.10	8516	64.00	1418	75.10	27664
40.10	2043	53.10	765	65.10	5104	76.10	10498
41.10	3585	55.10	2638	66.20	192	77.10	206208
42.10	8088	56.00	5586	67.10	1395	78.10	14367
43.10	97768	57.10	14435	68.10	3010	79.10	13690
44.10	2619	58.10	26752	69.00	189888	80.00	10933
45.00	497	59.20	776	70.10	1199	81.00	13637

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.00	3313	94.00	1976	105.10	5060	116.10	4467
83.10	5366	95.10	1596	106.10	1923	117.10	40432
84.10	1197	96.10	1168	107.10	67000	118.00	2841
85.00	3018	97.10	2720	108.10	9702	118.90	454
86.00	3450	98.10	16285	109.00	1734	120.20	1016
87.10	1197	99.00	14317	110.00	122768	122.00	5333
87.90	686	100.10	2260	111.10	20936	123.10	7781
89.20	604	101.00	8535	112.10	2966	123.90	2033
91.10	4402	102.20	189	113.00	1328	125.10	3387
92.10	5240	103.00	4126	113.80	522	127.10	230848
93.10	24104	104.10	5609	114.30	484	128.10	18864

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.00	87600	140.20	938	151.00	1700	162.10	1585
130.10	7778	141.00	10981	152.10	1429	163.20	1182
131.10	1502	142.00	4209	153.00	5097	164.00	844
132.10	640	142.90	2469	154.00	1668	165.00	6064
133.10	896	143.90	377	155.00	5005	166.00	4885
134.00	2772	145.10	879	156.00	8373	167.10	20224
135.10	8471	146.00	1821	157.10	1605	168.00	7876
136.00	3588	147.10	6900	158.20	1864	169.00	2335
137.10	3503	148.10	11316	159.00	2177	170.00	634
138.00	1063	149.00	2332	160.10	3237	171.00	820
139.10	1237	150.10	653	161.10	4327	172.10	1425

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.10	2599	184.00	1156	194.90	2233	208.00	3822
174.00	5715	185.00	7124	196.10	13513	209.00	1479
175.10	9735	186.10	56112	198.00	402944	211.00	3891
176.20	3456	187.10	16880	199.00	27648	211.70	2081
177.10	3865	188.10	2054	200.10	2021	215.00	1195
178.00	1819	189.10	3858	201.50	2262	216.10	2064
179.00	16904	190.00	405	202.90	2846	217.00	26672
180.10	12437	191.20	914	204.00	15990	217.90	5418
181.10	6770	192.10	4950	205.10	23080	219.20	709
182.10	1284	193.10	5238	206.10	102688	221.00	20672
183.10	1189	194.10	1175	207.10	12638	223.00	3803

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.00	51992	235.10	1073	247.00	1840	260.30	505
225.00	15106	236.00	1116	247.90	283	260.70	346
226.00	1392	237.10	1808	248.90	1158	261.30	162
227.00	20696	237.90	220	249.70	288	261.70	224
228.00	3746	239.20	581	250.90	490	263.90	176
229.00	4526	241.20	1601	253.30	810	265.10	5275
230.10	664	242.10	3385	255.00	204288	266.20	925
231.00	3066	243.10	3109	256.00	34368	268.20	207
231.90	190	244.10	41184	256.90	2160	270.10	262
233.10	298	245.20	4773	258.10	10718	271.10	756
234.10	1888	246.10	6890	259.00	1707	273.00	7238

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
274.00	15392	284.00	991	296.00	22544	313.00	210
275.00	95088	285.10	1922	297.00	2944	314.10	946
276.00	12544	285.80	291	298.10	1309	315.10	2834
277.00	6606	286.10	274	300.90	454	316.10	1580
278.00	1484	288.80	261	302.10	722	316.90	301
278.90	186	289.20	269	303.00	4605	320.80	728
280.20	197	290.10	395	303.90	398	322.00	332
280.90	346	291.10	195	304.70	233	323.00	9916
281.30	361	292.20	194	309.10	359	323.90	1166
282.10	580	292.90	1325	310.00	866	325.10	193
283.20	777	294.20	1024	312.10	262	326.10	315

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
326.90	1011	342.30	278	366.00	1782	392.20	820
328.10	893	345.70	1158	369.80	157	400.80	161
330.10	191	347.10	553	371.10	921	402.00	1640
331.70	273	350.10	156	372.10	3566	402.90	2294
332.00	454	351.00	153	373.00	659	404.10	341
332.90	785	352.00	2674	375.60	187	404.90	219
334.10	4773	353.20	1023	382.90	1391	415.10	335
334.90	1255	354.10	3874	383.90	418	416.00	150
337.60	159	355.20	631	385.20	252	421.00	1584
339.00	326	358.90	169	390.20	837	422.00	3144
341.10	1044	365.00	10698	390.90	257	423.00	15903

Scan 353 (3.065 min): B6563.D
.,50ng_DFTPP2_FOR_04/10/08

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
424.00	5328						
424.80	602						
429.00	205						
438.90	279						
441.10	37848						
442.00	272448						
443.00	55344						
444.10	5639						

SEMIVOLATILE METHOD BLANK SUMMARY

Lab File ID: B6581.D

Instrument ID: MSDB

Date Extracted: 04/09/08

Matrix: AQUEOUS

Date Analyzed: 04/11/2008

Time Analyzed: 14:33

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
.	MS(BLK)	04/11/2008	14:48
.	MSD(BLK)	04/11/2008	15:04
MW-1-040708/	03809-001	04/11/2008	15:19
FIELD	03809-003	04/11/2008	15:34
WPA	03829-001	04/11/2008	15:50
GW-1	03790-001	04/11/2008	16:05
GW-2	03790-002	04/11/2008	16:21
WELL_POINT/8	03810-001	04/11/2008	16:36
MW-2	03843-002	04/11/2008	16:52
MW-3	03843-003	04/11/2008	17:07
FIELD_BLANK	03843-004	04/11/2008	17:23
CR-MW1	03844-001	04/11/2008	17:38
SB-TW1	03863-001	04/11/2008	17:53
FB	03863-002	04/11/2008	18:09
MW1	03831-001	04/11/2008	18:24
MW-6	03767-001	04/11/2008	18:40
MW-5	03767-002	04/11/2008	18:55
MW-4	03767-003	04/11/2008	19:10
MW-3	03767-004	04/11/2008	19:26
MW-2	03767-005	04/11/2008	19:41
FIELD_BLANK	03767-007	04/11/2008	19:57
ST-1	03874-001	04/11/2008	20:12

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6581.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
N-Nitrosodimethylamine	ND		0.460
Pyridine	ND		0.400
Benzaldehyde	ND		0.170
Phenol	ND		0.230
Aniline	ND		0.540
Bis(2-chloroethyl) ether	ND		0.220
2-Chlorophenol	ND		0.300
1,3-Dichlorobenzene	ND		0.180
1,4-Dichlorobenzene	ND		0.140
Benzyl alcohol	ND		0.410
1,2-Dichlorobenzene	ND		0.240
2-Methylphenol	ND		0.260
Bis(2-chloroisopropyl) ether	ND		0.180
4-Methylphenol	ND		0.280
N-Nitrosodi-n-propylamine	ND		0.210
Acetophenone	ND		0.250
2-Aminotoluene +4-Aminotoluene	ND		0.320
Hexachloroethane	ND		0.290
Nitrobenzene	ND		0.230
Isophorone	ND		0.230
2-Nitrophenol	ND		0.570
2,4+2,5-Dimethylphenol	ND		0.500
Bis(2-chloroethoxy) methane	ND		0.210
Benzoic acid	ND		0.360
2,4-Dimethylaniline	ND		0.180
2,4-Dichlorophenol	ND		0.300
1,2,4-Trichlorobenzene	ND		0.220
Naphthalene	ND		0.134
4-Chloroaniline	ND		0.680
Hexachlorobutadiene	ND		0.460
Caprolactam	ND		0.640
4-Chloro-3-methylphenol	ND		0.530
2-Methylnaphthalene	ND		0.188
Hexachlorocyclopentadiene	ND		0.150
2,4,6-Trichlorophenol	ND		0.250
2,4,5-Trichlorophenol	ND		0.320
Biphenyl	ND		0.230
2-Chloronaphthalene	ND		0.140
2-Nitroaniline	ND		0.280
Dimethyl phthalate	ND		0.230

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6581.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.340
Acenaphthylene	ND		0.146
3-Nitroaniline	ND		0.210
Acenaphthene	ND		0.206
2,4-Dinitrophenol	ND		0.330
4-Nitrophenol	ND		0.400
2,4-Dinitrotoluene	ND		0.340
Dibenzofuran	ND		0.170
Diethyl phthalate	ND		0.190
Fluorene	ND		0.188
4-Chlorophenyl phenyl ether	ND		0.260
4-Nitroaniline	ND		0.530
1,2,4,5-Tetrachlorobenzene	ND		0.260
4,6-Dinitro-2-methylphenol	ND		0.150
N-Nitrosodiphenylamine	ND		0.250
1,2-Diphenylhydrazine	ND		0.130
4-Bromophenyl phenyl ether	ND		0.290
Hexachlorobenzene	ND		0.210
Atrazine	ND		0.280
Pentachlorophenol	ND		0.240
Phenanthrene	ND		0.200
Anthracene	ND		0.091
Carbazole	ND		0.110
Di-n-butyl phthalate	ND		0.100
Fluoranthene	ND		0.222
Benzidine	ND		0.320
Pyrene	ND		0.176
3,3'-Dimethylbenzidine	ND		0.210
Butyl benzyl phthalate	ND		0.280
3,3'-Dichlorobenzidine	ND		0.200
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Bis(2-ethylhexyl) phthalate	ND		0.220
Di-n-octyl phthalate	ND		0.340
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6581.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

Response Factor Report MSD_B

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

Calibration Files
5 =B5969.D 10 =B5970.D 20 =B5975.D
50 =B5972.D 80 =B5973.D

		Compound	5	10	20	50	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD						
2)	T	N-Nitrosodimethylam	0.845	0.775	0.828	0.773	0.734	0.791	5.68
3)	T	Pyridine	0.917	1.088	0.954	0.977	1.039	0.995	6.86
4)	S	2-Fluorophenol	1.261	1.471	1.258	1.308	1.082	1.276	10.89
5)	T	Benzaldehyde	1.045	1.085	1.303	0.914	1.050	1.080	13.04
6)	S	Phenol-d5	1.597	1.803	1.549	1.725	1.550	1.645	6.92
7)	MC	Phenol	2.065	2.066	1.919	2.078	1.766	1.979	6.85
8)	T	Aniline	1.088	1.177	1.164	1.049	1.068	1.109	5.20
9)	T	Bis(2-chloroethyl)	1.224	1.249	1.263	1.201	1.161	1.219	3.32
10)	M	2-Chlorophenol	1.465	1.411	1.429	1.436	1.330	1.414	3.61
11)	T	1,3-Dichlorobenzene	1.568	1.664	1.672	1.539	1.667	1.622	3.89
12)	MC	1,4-Dichlorobenzene	1.599	1.573	1.670	1.729	1.617	1.638	3.81
13)	T	Benzyl alcohol	1.164	1.159	1.149	1.189	1.213	1.175	2.23
14)	T	1,2-Dichlorobenzene	1.525	1.578	1.527	1.612	1.657	1.580	3.57
15)	T	2-Methylphenol	1.645	1.717	1.708	1.636	1.650	1.671	2.29
16)	T	Bis(2-chloroisoprop	2.272	2.328	2.340	2.223	2.119	2.256	3.99
17)	T	4-Methylphenol	1.667	1.719	1.647	1.556	1.581	1.634	4.01
18)	MP	N-Nitrosodi-n-propy	1.294	1.325	1.237	1.212	1.321	1.278	3.97
19)	T	Acetophenone	1.950	2.066	1.945	1.934	1.920	1.963	2.99
20)	T	2-Aminotoluene +4-A	2.562	2.627	2.423	2.299	2.450	2.472	5.16
21)	T	Hexachloroethane	0.614	0.627	0.616	0.606	0.597	0.612	1.83
22)	T	2,6-Dimethylphenol						0.000	-1.00
23)	I	Naphthalene-d8	ISTD						
24)	S	Nitrobenzene-d5	0.404	0.356	0.454	0.410	0.478	0.420	11.20
25)	T	Nitrobenzene	0.441	0.478	0.464	0.419	0.401	0.440	7.17
26)	T	Isophorone	0.755	0.753	0.716	0.698	0.731	0.731	3.31
27)	TC	2-Nitrophenol	0.186	0.199	0.197	0.209	0.222	0.202	6.61
28)	T	2,4+2,5-Dimethylphe	0.352	0.388	0.350	0.349	0.401	0.368	6.75
29)	T	Bis(2-chloroethoxy)	0.432	0.442	0.438	0.411	0.452	0.435	3.49
30)	T	Benzoic acid	0.160	0.196	0.215	0.220	0.239	0.206	14.48
31)	T	2,4-Dimethylaniline	0.420	0.432	0.369	0.344	0.393	0.392	9.27
32)	TC	2,4-Dichlorophenol	0.288	0.286	0.299	0.281	0.319	0.295	5.10
33)	M	1,2,4-Trichlorobenz	0.301	0.330	0.313	0.304	0.323	0.314	3.88
34)	T	Naphthalene	1.048	1.098	1.122	1.034	1.163	1.093	4.86
35)	T	4-Chloroaniline	0.644	0.686	0.655	0.647	0.645	0.655	2.71
36)	T	4-Aminoaniline						0.000	-1.00
37)	TC	Hexachlorobutadiene	0.188	0.187	0.186	0.191	0.211	0.193	5.53
38)	T	Caprolactam	0.160	0.181	0.174	0.166	0.160	0.168	5.35
39)	T	2-Aminoaniline						0.000	-1.00
40)	MC	4-Chloro-3-methylph	0.296	0.332	0.340	0.338	0.362	0.333	7.17
41)	T	2-Methylnaphthalene	0.822	0.873	0.843	0.807	0.920	0.853	5.25
42)	T	3,5-Dimethylphenol						0.000	-1.00
43)	I	Acenaphthene-d10	ISTD						
44)	TP	Hexachlorocyclopent	0.273	0.287	0.308	0.357	0.472	0.339	23.77
45)	TC	2,4,6-Trichlorophen	0.333	0.347	0.341	0.355	0.399	0.355	7.26
46)	T	2,4,5-Trichlorophen	0.440	0.464	0.452	0.500	0.548	0.481	9.16
47)	S	2-Fluorobiphenyl	1.414	1.079	1.440	1.348	1.593	1.375	13.89

48)	T	Biphenyl	1.460	1.443	1.471	1.526	1.652	1.510	5.63
49)	T	2-Chloronaphthalene	1.069	1.132	1.066	1.067	1.223	1.112	6.16
50)	T	2-Nitroaniline	0.446	0.505	0.453	0.491	0.495	0.478	5.54
51)	T	Dimethyl phthalate	1.285	1.333	1.324	1.279	1.483	1.341	6.18
52)	T	2,6-Dinitrotoluene	0.262	0.285	0.289	0.307	0.297	0.288	5.75
53)	T	Acenaphthylene	1.754	1.899	1.813	1.897	2.132	1.899	7.57
54)	T	3-Nitroaniline	0.387	0.402	0.388	0.424	0.438	0.408	5.52
55)	MC	Acenaphthene	1.170	1.200	1.132	1.225	1.375	1.220	7.61
56)	TP	2,4-Dinitrophenol	0.239	0.280	0.276	0.306	0.321	0.284	11.08
57)	MP	4-Nitrophenol	0.319	0.316	0.296	0.308	0.292	0.306	3.83
58)	M	2,4-Dinitrotoluene	0.335	0.334	0.339	0.372	0.384	0.353	6.70
59)	T	Dibenzofuran	1.888	2.031	1.901	2.134	2.278	2.046	8.01
60)	T	Diethyl phthalate	1.264	1.311	1.256	1.333	1.360	1.305	3.42
61)	T	Fluorene	1.277	1.333	1.302	1.364	1.476	1.351	5.74
62)	T	4-Chlorophenyl phen	0.582	0.637	0.627	0.615	0.657	0.624	4.50
63)	T	4-Nitroaniline	0.381	0.448	0.438	0.412	0.432	0.422	6.35
64)		1,2,4,5-Tetrachloro	0.522	0.507	0.504	0.535	0.624	0.538	9.16
65)	T	Hydroquinone						0.000	-1.00
66)	I	Phenanthrene-d10	----------ISTD----------						
67)	T	4,6-Dinitro-2-methy	0.083	0.082	0.096	0.119	0.140	0.104	23.92
68)	TC	N-Nitrosodiphenylam	0.503	0.518	0.538	0.548	0.558	0.533	4.24
69)	T	1,2-Diphenylhydrazi	0.850	0.881	0.846	0.827	0.986	0.878	7.22
70)	S	2,4,6-Tribromopheno	0.185	0.193	0.156	0.176	0.169	0.176	8.19
71)	T	4-Bromophenyl pheny	0.220	0.224	0.221	0.229	0.255	0.230	6.44
72)	T	Hexachlorobenzene	0.265	0.262	0.272	0.279	0.309	0.277	6.82
73)	T	Atrazine	0.177	0.180	0.175	0.150	0.173	0.171	6.98
74)	MC	Pentachlorophenol	0.107	0.123	0.132	0.155	0.180	0.139	20.44
75)	T	Phenanthrene	0.957	1.009	0.985	0.985	1.130	1.013	6.69
76)	T	Anthracene	1.026	1.039	1.026	1.076	1.126	1.058	4.07
77)	T	Carbazole	0.914	0.955	0.925	0.958	1.046	0.960	5.40
78)	T	Di-n-butyl phthalat	1.125	1.187	1.186	1.185	1.313	1.199	5.73
79)	TC	Fluoranthene	0.942	1.018	0.974	0.987	0.980	0.980	2.78
80)	T	Benzidine	0.518	0.579	0.805	0.671	0.647	0.644	16.75
81)		2-Picoline						0.000	-1.00
82)	I	Chrysene-d12	----------ISTD----------						
83)	M	Pyrene	1.114	1.243	1.261	1.338	1.484	1.288	10.55
84)	S	Terphenyl-d14	0.918	0.803	1.003	0.963	1.134	0.964	12.54
85)	T	3,3'-Dimethylbenzid	0.584	0.640	0.926	0.809	0.824	0.757	18.65
86)	T	Butyl benzyl phthal	0.528	0.581	0.586	0.618	0.681	0.599	9.40
87)	T	3,3'-Dichlorobenzid	0.412	0.387	0.365	0.288	0.291	0.349	16.21
88)	T	Benzo[a]anthracene	0.972	1.022	1.031	1.004	1.065	1.019	3.36
89)	T	Chrysene	0.961	0.991	0.968	0.945	1.006	0.974	2.51
90)	T	Bis(2-ethylhexyl) p	0.701	0.791	0.820	0.855	0.956	0.825	11.29
91)		3-Picoline						0.000	-1.00
92)	I	Perylene-d12	----------ISTD----------						
93)	TC	Di-n-octyl phthalat	1.296	1.530	1.700	1.867	1.991	1.677	16.38
94)	T	Benzo[b]fluoranthen	0.890	1.086	1.109	1.183	1.314	1.116	13.85
95)	T	Benzo[k]fluoranthen	1.077	1.114	1.212	1.154	1.097	1.131	4.74
96)	TC	Benzo[a]pyrene	0.895	0.961	0.975	1.015	1.063	0.982	6.37
97)	T	Indeno[1,2,3-cd]pyr	0.811	0.887	0.891	1.061	1.256	0.981	18.21
98)	T	Dibenz[a,h]anthrace	0.712	0.714	0.724	0.892	1.041	0.817	17.97
99)	T	Benzo[g,h,i]perylen	0.745	0.734	0.758	0.909	1.084	0.846	17.82

(#) = Out of Range

BW0708.M Wed Mar 26 11:32:25 2008 MSD_B

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\04-11-08\
Data File : B6564.D
Acq On : 11 Apr 2008 10:25
Operator : JC
Sample : ABN006.08,20ng_BNA_FOR_04/10/08
Misc : ,1
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Apr 22 11:46:28 2008
Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	-0.01
2	T	N-Nitrosodimethylamine	0.791	0.726	8.2	94	-0.01
3	T	Pyridine	0.995	0.850	14.6	96	-0.01
4	S	2-Fluorophenol	1.276	1.231	3.5	105	-0.02
5	T	Benzaldehyde	1.080	0.900	16.7	73	-0.02
6	S	Phenol-d5	1.645	1.772	-7.7	123	-0.01
7	MC	Phenol	1.979	2.177	-10.0	122	-0.01
8	T	Aniline	1.109	0.968	12.7	89	-0.02
9	T	Bis(2-chloroethyl) ether	1.219	1.125	7.7	96	-0.01
10	M	2-Chlorophenol	1.414	1.577	-11.5	119	-0.02
11	T	1,3-Dichlorobenzene	1.622	1.789	-10.3	115	-0.01
12	MC	1,4-Dichlorobenzene	1.638	1.869	-14.1	120	-0.02
13	T	Benzyl alcohol	1.175	1.226	-4.3	115	-0.01
14	T	1,2-Dichlorobenzene	1.580	1.804	-14.2	127	-0.02
15	T	2-Methylphenol	1.671	1.715	-2.6	108	-0.01
16	T	Bis(2-chloroisopropyl) ethe	2.256	1.809	19.8	83	-0.02
17	T	4-Methylphenol	1.634	1.719	-5.2	112	-0.02
18	MP	N-Nitrosodi-n-propylamine	1.278	1.146	10.3	100	-0.01
19	T	Acetophenone	1.963	1.970	-0.4	109	-0.02
20	T	2-Aminotoluene +4-Aminotolu	2.472	2.470	0.1	110	-0.02
21	T	Hexachloroethane	0.612	0.659	-7.7	115	-0.02
22	T	2,6-Dimethylphenol	0.000	0.000	0.0	0	-0.02
23	I	Naphthalene-d8	1.000	1.000	0.0	122	-0.01
24	S	Nitrobenzene-d5	0.420	0.344	18.1	92	-0.02
25	T	Nitrobenzene	0.440	0.390	11.4	102	-0.01
26	T	Isophorone	0.731	0.627	14.2	106	-0.01
27	TC	2-Nitrophenol	0.202	0.195	3.5	120	-0.01
28	T	2,4+2,5-Dimethylphenol	0.368	0.317	13.9	110	-0.02
29	T	Bis(2-chloroethoxy) methane	0.435	0.365	16.1	101	-0.02
30	T	Benzoic acid	0.206	0.230	-11.7	130	0.00
31	T	2,4-Dimethylaniline	0.392	0.335	14.5	110	-0.01
32	TC	2,4-Dichlorophenol	0.295	0.273	7.5	111	-0.01
33	M	1,2,4-Trichlorobenzene	0.314	0.310	1.3	120	-0.01
34	T	Naphthalene	1.093	0.992	9.2	107	-0.01
35	T	4-Chloroaniline	0.655	0.622	5.0	115	-0.01
36	T	4-Aminoaniline	0.000	0.000	0.0	0	-0.02
37	TC	Hexachlorobutadiene	0.193	0.194	-0.5	126	-0.01
38	T	Caprolactam	0.168	0.138	17.9	96	-0.01
39	T	2-Aminoaniline	0.000	0.000	0.0	0	-0.02
40	MC	4-Chloro-3-methylphenol	0.333	0.288	13.5	103	-0.01
41	T	2-Methylnaphthalene	0.853	0.787	7.7	113	-0.01
42	T	3,5-Dimethylphenol	0.000	0.000	0.0	0	-0.02
43	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
44	TP	Hexachlorocyclopentadiene	0.339	0.378	-11.5	140	-0.01
45	TC	2,4,6-Trichlorophenol	0.355	0.374	-5.4	125	0.00

46	T	2,4,5-Trichlorophenol	0.481	0.488	-1.5	123	0.00
47	S	2-Fluorobiphenyl	1.375	1.312	4.6	104	0.00
48	T	Biphenyl	1.510	1.482	1.9	115	0.00
49	T	2-Chloronaphthalene	1.112	1.095	1.5	117	0.00
50	T	2-Nitroaniline	0.478	0.386	19.2	97	0.00
51	T	Dimethyl phthalate	1.341	1.302	2.9	112	0.00
52	T	2,6-Dinitrotoluene	0.288	0.278	3.5	110	0.00
53	T	Acenaphthylene	1.899	1.780	6.3	112	0.00
54	T	3-Nitroaniline	0.408	0.393	3.7	116	0.00
55	MC	Acenaphthene	1.220	1.140	6.6	115	0.00
56	TP	2,4-Dinitrophenol	0.284	0.276	2.8	114	0.00
57	MP	4-Nitrophenol	0.306	0.277	9.5	107	0.00
58	M	2,4-Dinitrotoluene	0.353	0.363	-2.8	122	0.00
59	T	Dibenzofuran	2.046	1.885	7.9	113	0.00
60	T	Diethyl phthalate	1.305	1.285	1.5	117	0.00
61	T	Fluorene	1.351	1.356	-0.4	119	0.00
62	T	4-Chlorophenyl phenyl ether	0.624	0.644	-3.2	117	0.00
63	T	4-Nitroaniline	0.422	0.481	-14.0	125	0.00
64		1,2,4,5-Tetrachlorobenzene	0.538	0.539	-0.2	122	-0.01
65	T	Hydroquinone	0.000	0.000	0.0	0	-0.02
66	I	Phenanthrene-d10	1.000	1.000	0.0	115	0.02
67	T	4,6-Dinitro-2-methylphenol	0.104	0.114	-9.6	136	0.01
68	TC	N-Nitrosodiphenylamine	0.533	0.513	3.8	110	0.00
69	T	1,2-Diphenylhydrazine	0.878	0.744	15.3	101	0.01
70	S	2,4,6-Tribromophenol	0.176	0.179	-1.7	132	0.01
71	T	4-Bromophenyl phenyl ether	0.230	0.224	2.6	117	0.01
72	T	Hexachlorobenzene	0.277	0.265	4.3	112	0.01
73	T	Atrazine	0.171	0.163	4.7	107	0.02
74	MC	Pentachlorophenol	0.139	0.164	-18.0	143	0.02
75	T	Phenanthrene	1.013	0.958	5.4	112	0.02
76	T	Anthracene	1.058	1.039	1.8	117	0.02
77	T	Carbazole	0.960	0.921	4.1	115	0.02
78	T	Di-n-butyl phthalate	1.199	1.145	4.5	111	0.03
79	TC	Fluoranthene	0.980	0.991	-1.1	117	0.04
80	T	Benzidine	0.644	0.586	9.0	78	0.03
81		2-Picoline	0.000	0.000	0.0	173	-0.02
82	I	Chrysene-d12	1.000	1.000	0.0	113	0.04
83	M	Pyrene	1.288	1.228	4.7	110	0.04
84	S	Terphenyl-d14	0.964	0.933	3.2	105	0.04
85	T	3,3'-Dimethylbenzidine	0.757	0.643	15.1	80	0.03
86	T	Butyl benzyl phthalate	0.599	0.585	2.3	113	0.05
87	T	3,3'-Dichlorobenzidine	0.349	0.410	-17.5	127	0.04
88	T	Benzo[a]anthracene	1.019	0.999	2.0	109	0.04
89	T	Chrysene	0.974	0.956	1.8	112	0.03
90	T	Bis(2-ethylhexyl) phthalate	0.825	0.813	1.5	112	0.04
91		3-Picoline	0.000	0.000	0.0	173	-0.02
92	I	Perylene-d12	1.000	1.000	0.0	116	0.00
93	TC	Di-n-octyl phthalate	1.677	1.656	1.3	113	0.03
94	T	Benzo[b]fluoranthene	1.116	1.092	2.2	114	0.02
95	T	Benzo[k]fluoranthene	1.131	1.207	-6.7	115	0.02
96	TC	Benzo[a]pyrene	0.982	1.044	-6.3	124	0.01
97	T	Indeno[1,2,3-cd]pyrene	0.981	0.953	2.9	124	-0.02
98	T	Dibenz[a,h]anthracene	0.817	0.837	-2.4	134	-0.02
99	T	Benzo[g,h,i]perylene	0.846	0.859	-1.5	131	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

BW0708.M Tue Apr 22 11:46:33 2008 MSD_A

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 04/11/2008

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
20ng_OLMO4_FOR_		B6565.D	N/A	N/A	N/A	N/A	N/A	N/A
Method_blank	AQUEOUS	B6581.D	60	60	61	77	81	68
MS(BLK)	AQUEOUS	B6582.D	58	76	50	57	112	65
MSD(BLK)	AQUEOUS	B6583.D	51	64	44	48	97	56
03809-001	AQUEOUS	B6584.D	N/A	N/A	52	58	N/A	70
03809-003	AQUEOUS	B6585.D	N/A	N/A	62	74	N/A	87
03829-001	AQUEOUS	B6586.D	N/A	N/A	52	62	N/A	85
03790-001	AQUEOUS	B6587.D	N/A	N/A	75	94	N/A	101
03790-002	AQUEOUS	B6588.D	N/A	N/A	61	67	N/A	105
03810-001	AQUEOUS	B6589.D	N/A	N/A	80	87	N/A	110
03843-002	AQUEOUS	B6590.D	N/A	N/A	64	68	N/A	78
03843-003	AQUEOUS	B6591.D	N/A	N/A	72	75	N/A	97
03843-004	AQUEOUS	B6592.D	N/A	N/A	58	65	N/A	76
03844-001	AQUEOUS	B6593.D	N/A	N/A	73	75	N/A	94
03863-001	AQUEOUS	B6594.D	N/A	N/A	46	58	N/A	78
03863-002	AQUEOUS	B6595.D	N/A	N/A	63	66	N/A	85
03831-001	AQUEOUS	B6596.D	N/A	N/A	65	80	N/A	92
03767-001	AQUEOUS	B6597.D	N/A	N/A	71	86	N/A	93
03767-002	AQUEOUS	B6598.D	N/A	N/A	59	73	N/A	78
03767-003	AQUEOUS	B6599.D	N/A	N/A	66	73	N/A	96
03767-004	AQUEOUS	B6600.D	N/A	N/A	58	76	N/A	82
03767-005	AQUEOUS	B6601.D	N/A	N/A	55	63	N/A	82

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	11-101	28-108
S2 (PHL) = Phenol-d5	10-101	34-107
S3 (NBZ) = Nitrobenzene-d5	29-101	26-104
S4 (FBP) = 2-Fluorobiphenyl	34-98	32-128
S5 (TBP) = 2,4,6-Tribromophenol	28-113	35-126
S6 (TPH) = Terphenyl-d14	39-121	32-135

* Column to be used to flag recovery values

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 04/11/2008

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
03767-007	AQUEOUS	B6602.D	N/A	N/A	62	74	N/A	92
03874-001	AQUEOUS	B6603.D	22	13	73	84	81	95

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	11-101	28-108
S2 (PHL) = Phenol-d5	10-101	34-107
S3 (NBZ) = Nitrobenzene-d5	29-101	26-104
S4 (FBP) = 2-Fluorobiphenyl	34-98	32-128
S5 (TBP) = 2,4,6-Tribromophenol	28-113	35-126
S6 (TPH) = Terphenyl-d14	39-121	32-135

* Column to be used to flag recovery values

AQUEOUS SEMIVOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: Method bl Batch No.: B040908W

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	30.0	0.0	18.4	61	34 - 94
2-Chlorophenol	30.0	0.0	23.5	78	30 - 94
1,4-Dichlorobenzene	30.0	0.0	22.5	75	34 - 99
N-Nitrosodi-n-propylamine	30.0	0.0	20.6	69	37 - 103
1,2,4-Trichlorobenzene	30.0	0.0	25.6	85	32 - 98
4-Chloro-3-methylphenol	30.0	0.0	25.7	86	36 - 109
Acenaphthene	30.0	0.0	29.4	98	33 - 108
4-Nitrophenol	30.0	0.0	24.1	80	31 - 116
2,4-Dinitrotoluene	30.0	0.0	32.4	108	36 - 114
Pentachlorophenol	30.0	0.0	31.9	106	31 - 111
Pyrene	30.0	0.0	31.5	105	39 - 141

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	17.0	57	7	15	34 - 94
2-Chlorophenol	0.0	21.9	73	7	17	30 - 94
1,4-Dichlorobenzene	0.0	20.7	69	8	17	34 - 99
N-Nitrosodi-n-propylamine	0.0	19.2	64	8	19	37 - 103
1,2,4-Trichlorobenzene	0.0	23.4	78	9	21	32 - 98
4-Chloro-3-methylphenol	0.0	22.1	74	15	22	36 - 109
Acenaphthene	0.0	23.9	80	20	24	33 - 108
4-Nitrophenol	0.0	20.8	69	15	24	31 - 116
2,4-Dinitrotoluene	0.0	29.5	98	10	26	36 - 114
Pentachlorophenol	0.0	29.9	100	6	25	31 - 111
Pyrene	0.0	27.4	91	14	26	39 - 141

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __11__ outside limits

Spike Recovery: __0___ out of __22__ outside limits

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6581.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
N-Nitrosodimethylamine	30.0	0.0	18.1	60	0.0	17.0	57
Benzaldehyde	30.0	0.0	8.5	28	0.0	7.1	24
Phenol	30.0	0.0	18.4	61	0.0	17.0	57
Aniline	30.0	0.0	14.6	49	0.0	13.0	43
Bis(2-chloroethyl) ether	30.0	0.0	20.1	67	0.0	18.1	60
2-Chlorophenol	30.0	0.0	23.5	78	0.0	21.9	73
1,3-Dichlorobenzene	30.0	0.0	20.3	68	0.0	18.6	62
1,4-Dichlorobenzene	30.0	0.0	22.5	75	0.0	20.7	69
Benzyl alcohol	30.0	0.0	19.6	65	0.0	17.9	60
1,2-Dichlorobenzene	30.0	0.0	22.4	75	0.0	20.5	68
2-Methylphenol	30.0	0.0	19.1	64	0.0	17.0	57
Bis(2-chloroisopropyl) ether	30.0	0.0	16.9	56	0.0	16.1	54
4-Methylphenol	30.0	0.0	21.3	71	0.0	19.6	65
N-Nitrosodi-n-propylamine	30.0	0.0	20.6	69	0.0	19.2	64
Acetophenone	30.0	0.0	23.6	79	0.0	21.4	71
2-Aminotoluene +4-Aminotoluene	60.0	0.0	40.1	67	0.0	36.9	62
Hexachloroethane	30.0	0.0	21.8	73	0.0	19.4	65
Nitrobenzene	30.0	0.0	20.7	69	0.0	18.6	62
Isophorone	30.0	0.0	27.4	91	0.0	23.9	80
2-Nitrophenol	30.0	0.0	24.4	81	0.0	21.3	71
2,4+2,5-Dimethylphenol	30.0	0.0	25.8	86	0.0	23.5	78
Bis(2-chloroethoxy) methane	30.0	0.0	24.6	82	0.0	21.7	72
Benzoic acid	30.0	0.0	27.6	92	0.0	22.9	76
2,4-Dimethylaniline	30.0	0.0	24.5	82	0.0	22.0	73
2,4-Dichlorophenol	30.0	0.0	26.8	89	0.0	23.7	79
1,2,4-Trichlorobenzene	30.0	0.0	25.6	85	0.0	23.4	78
Naphthalene	30.0	0.0	26.0	87	0.0	23.5	78
4-Chloroaniline	30.0	0.0	24.1	80	0.0	21.0	70
Hexachlorobutadiene	30.0	0.0	25.6	85	0.0	23.1	77
Caprolactam	30.0	0.0	24.5	82	0.0	22.4	75
4-Chloro-3-methylphenol	30.0	0.0	25.7	86	0.0	22.1	74
2-Methylnaphthalene	30.0	0.0	23.0	77	0.0	20.1	67
Hexachlorocyclopentadiene	30.0	0.0	21.8	73	0.0	20.4	68
2,4,6-Trichlorophenol	30.0	0.0	29.5	98	0.0	24.7	82
2,4,5-Trichlorophenol	30.0	0.0	24.2	81	0.0	21.3	71
Biphenyl	30.0	0.0	26.5	88	0.0	24.1	80
2-Chloronaphthalene	30.0	0.0	28.6	95	0.0	24.9	83
2-Nitroaniline	30.0	0.0	21.8	73	0.0	18.3	61
Dimethyl phthalate	30.0	0.0	28.2	94	0.0	26.5	88

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 04/09/2008
Date Analyzed: 04/11/2008
Data file: B6581.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
2,6-Dinitrotoluene	30.0	0.0	28.1	94	0.0	26.8	89
Acenaphthylene	30.0	0.0	27.6	92	0.0	24.9	83
3-Nitroaniline	30.0	0.0	23.0	77	0.0	20.5	68
Acenaphthene	30.0	0.0	29.4	98	0.0	23.9	80
2,4-Dinitrophenol	30.0	0.0	24.3	81	0.0	20.6	69
4-Nitrophenol	30.0	0.0	24.1	80	0.0	20.8	69
2,4-Dinitrotoluene	30.0	0.0	32.4	108	0.0	29.5	98
Dibenzofuran	30.0	0.0	23.0	77	0.0	20.3	68
Diethyl phthalate	30.0	0.0	31.9	106	0.0	27.0	90
Fluorene	30.0	0.0	30.0	100	0.0	26.4	88
4-Chlorophenyl phenyl ether	30.0	0.0	30.6	102	0.0	26.4	88
4-Nitroaniline	30.0	0.0	25.2	84	0.0	20.2	67
4,6-Dinitro-2-methylphenol	30.0	0.0	28.2	94	0.0	25.4	85
N-Nitrosodiphenylamine	30.0	0.0	29.8	99	0.0	27.2	91
1,2-Diphenylhydrazine	30.0	0.0	24.1	80	0.0	22.3	74
4-Bromophenyl phenyl ether	30.0	0.0	30.8	103	0.0	26.8	89
Hexachlorobenzene	30.0	0.0	31.9	106	0.0	27.8	93
Atrazine	30.0	0.0	11.9	40	0.0	10.6	35
Pentachlorophenol	30.0	0.0	31.9	106	0.0	29.9	100
Phenanthrene	30.0	0.0	30.3	101	0.0	27.8	93
Anthracene	30.0	0.0	30.1	100	0.0	27.4	91
Carbazole	30.0	0.0	30.8	103	0.0	27.6	92
Di-n-butyl phthalate	30.0	0.0	31.2	104	0.0	27.9	93
Fluoranthene	30.0	0.0	32.7	109	0.0	29.9	100
Benzidine	30.0	0.0	3.9	13	0.0	3.2	11
Pyrene	30.0	0.0	31.5	105	0.0	27.4	91
3,3'-Dimethylbenzidine	30.0	0.0	7.6	25	0.0	7.3	24
Butyl benzyl phthalate	30.0	0.0	31.2	104	0.0	27.7	92
3,3'-Dichlorobenzidine	30.0	0.0	32.9	110	0.0	31.9	106
Benzo[a]anthracene	30.0	0.0	33.0	110	0.0	29.7	99
Chrysene	30.0	0.0	33.2	111	0.0	30.3	101
Bis(2-ethylhexyl) phthalate	30.0	0.0	31.7	106	0.0	28.0	93
Di-n-octyl phthalate	30.0	0.0	29.5	98	0.0	26.7	89
Benzo[b]fluoranthene	30.0	0.0	34.9	116	0.0	30.9	103
Benzo[k]fluoranthene	30.0	0.0	30.5	102	0.0	29.7	99
Benzo[a]pyrene	30.0	0.0	31.3	104	0.0	29.2	97
Indeno[1,2,3-cd]pyrene	30.0	0.0	36.5	122	0.0	31.7	106
Dibenz[a,h]anthracene	30.0	0.0	37.0	123	0.0	33.5	112
Benzo[g,h,i]perylene	30.0	0.0	37.4	125	0.0	32.7	109

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B5969.D

Date Analyzed: 03/26/2008

Instrument ID: MSDB

Time Analyzed: 08:16

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	49164	2.34	198401	2.88	117259	3.68
	UPPER LIMIT	98328	2.84	396802	3.38	234518	4.18
	LOWER LIMIT	24582	1.84	99201	2.38	58630	3.18
	LAB SAMPLE ID						
01	10ng_BNA_FOR_03/2	46972	2.34	191388	2.88	112153	3.67
02	50ng_BNA_FOR_03/2	50046	2.34	200026	2.88	113955	3.69
03	80ng_BNA_FOR_03/2	56361	2.34	217441	2.88	117312	3.67
04	80ng_olmo4_FOR_03	54327	2.34	228687	2.88	133425	3.68
05	20ng_BNA_FOR_03/2	46700	2.34	191119	2.88	113440	3.66
06	50ng_olmo4_FOR_03	45146	2.34	197404	2.88	107326	3.70
07	20ng_OLMO4_FOR_0	53790	2.34	230558	2.88	135829	3.67
08	10ng_OLMO4_FOR_0	48495	2.34	206297	2.88	116546	3.66
09	5ng_OLMO4_FOR_03	48076	2.34	205395	2.88	110067	3.66
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B5969.D

Date Analyzed: 03/26/2008

Instrument ID: MSDB

Time Analyzed: 08:16

	40UG/L	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	214129		4.42		194332		6.13		156441		7.34	
	UPPER LIMIT	428258		4.92		388664		6.63		312882		7.84	
	LOWER LIMIT	107065		3.92		97166		5.63		78221		6.84	
	LAB SAMPLE ID												
01	10ng_BNA_FOR_03/2	210935		4.40		185904		6.10		143139		7.32	
02	50ng_BNA_FOR_03/2	202498		4.43		156465		6.14		103628		7.35	
03	80ng_BNA_FOR_03/2	204834		4.40		139454		6.11		92765		7.30	
04	80ng_olmo4_FOR_03	242989		4.41		194266		6.11		146629		7.33	
05	20ng_BNA_FOR_03/2	199811		4.39		165846		6.07		118715		7.30	
06	50ng_olmo4_FOR_03	212778		4.46		195358		6.18		153405		7.39	
07	20ng_OLMO4_FOR_0	253831		4.40		223365		6.08		182359		7.31	
08	10ng_OLMO4_FOR_0	227407		4.39		202419		6.08		162669		7.30	
09	5ng_OLMO4_FOR_03	222459		4.38		198800		6.07		159934		7.29	
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = 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 values outside QC limits with an asterisk

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B6564.D

Date Analyzed: 04/11/2008

Instrument ID: MSDB

Time Analyzed: 10:25

	40UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	24 HOUR STD	50191		2.33		232255		2.87		129358		3.66	
	UPPER LIMIT	100382		2.83		464510		3.37		258716		4.16	
	LOWER LIMIT	25096		1.83		116128		2.37		64679		3.16	
	LAB SAMPLE ID												
01	20ng_OLMO4_FOR_0	49613		2.33		190683		2.87		114721		3.66	
02	Method_blank	58352		2.33		217666		2.87		125171		3.72	
03	MS(BLK)	44755		2.33		167112		2.87		99431		3.65	
04	MSD(BLK)	45064		2.33		171423		2.87		100648		3.65	
05	03809-001	46176		2.33		174652		2.86		112248		3.65	
06	03809-003	44366		2.33		169646		2.86		99698		3.64	
07	03829-001	52473		2.33		208965		2.87		118033		3.65	
08	03790-001	40562		2.33		181357		2.87		100609		3.65	
09	03790-002	40559		2.33		160037		2.86		100028		3.64	
10	03810-001	43670		2.33		163935		2.86		98241		3.64	
11	03843-002	42091		2.33		160554		2.86		93826		3.64	
12	03843-003	44475		2.33		171900		2.86		103572		3.64	
13	03843-004	49347		2.33		183284		2.86		103782		3.64	
14	03844-001	52464		2.33		196260		2.86		121280		3.64	
15	03863-001	47430		2.33		185045		2.87		99950		3.64	
16	03863-002	44692		2.33		173605		2.86		107074		3.64	
17	03831-001	46149		2.33		175715		2.86		98951		3.64	
18	03767-001	44868		2.33		169601		2.86		104192		3.65	
19	03767-002	46098		2.33		186926		2.86		108286		3.65	
20	03767-003	47847		2.33		183866		2.86		112443		3.64	
21	03767-004	46658		2.33		176735		2.87		102175		3.65	
22	03767-005	46120		2.33		181567		2.87		105479		3.65	

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B6564.D

Date Analyzed: 04/11/2008

Instrument ID: MSDB

Time Analyzed: 10:25

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	24 HOUR STD	230006	4.40	187323	6.11	137428	7.30
	UPPER LIMIT	460012	4.90	374646	6.61	274856	7.80
	LOWER LIMIT	115003	3.90	93662	5.61	68714	6.80
	LAB SAMPLE ID						
01	20ng_OLMO4_FOR_0	213762	4.39	191607	6.09	153515	7.29
02	Method_blank	225362	4.50	233616	6.26	155199	7.45
03	MS(BLK)	183048	4.37	147785	6.06	116245	7.25
04	MSD(BLK)	179236	4.36	146153	6.05	115151	7.24
05	03809-001	202143	4.36	177161	6.05	145759	7.24
06	03809-003	196613	4.35	172899	6.02	139607	7.23
07	03829-001	223673	4.37	189438	6.05	151136	7.25
08	03790-001	154043	4.36	102831	6.03	99877	7.23
09	03790-002	177958	4.35	156017	6.03	132356	7.23
10	03810-001	176307	4.34	156296	6.02	130316	7.23
11	03843-002	173140	4.34	144934	6.03	117585	7.23
12	03843-003	180868	4.34	151364	6.01	121456	7.23
13	03843-004	210624	4.34	173190	6.02	139031	7.23
14	03844-001	224879	4.35	185951	6.02	153511	7.24
15	03863-001	184406	4.35	160353	6.03	130786	7.24
16	03863-002	203352	4.35	174926	6.03	142344	7.24
17	03831-001	190160	4.36	156542	6.04	130397	7.24
18	03767-001	185647	4.36	156825	6.04	129817	7.25
19	03767-002	186751	4.36	154028	6.05	122322	7.25
20	03767-003	198923	4.35	155565	6.03	129559	7.24
21	03767-004	184135	4.37	147518	6.05	121197	7.25
22	03767-005	188010	4.36	151326	6.05	126336	7.24

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = 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 values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B6564.D

Date Analyzed: 04/11/2008

Instrument ID: MSDB

Time Analyzed: 10:25

	40UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	24 HOUR STD	50191		2.33		232255		2.87		129358		3.66	
	UPPER LIMIT	100382		2.83		464510		3.37		258716		4.16	
	LOWER LIMIT	25096		1.83		116128		2.37		64679		3.16	
	LAB SAMPLE ID												
01	03767-007	48232		2.33		182380		2.86		106597		3.64	
02	03874-001	41425		2.33		168801		2.86		96070		3.64	
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B6564.D

Date Analyzed: 04/11/2008

Instrument ID: MSDB

Time Analyzed: 10:25

	50UG/L	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	24 HOUR STD	230006		4.40		187323		6.11		137428		7.30	
	UPPER LIMIT	460012		4.90		374646		6.61		274856		7.80	
	LOWER LIMIT	115003		3.90		93662		5.61		68714		6.80	
	LAB SAMPLE ID												
01	03767-007	200367		4.35		169675		6.03		139330		7.24	
02	03874-001	179638		4.34		135433		6.02		107875		7.23	
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = 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 values outside QC limits with an asterisk

* Values outside of QC limits.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6597.D Vial: 31
Acq On : 11 Apr 2008 18:40 Operator: JC
Sample : MW-6,,03767-001,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 18:50:14 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	44868	40.00	UG	-0.01
23) Naphthalene-d8	2.86	136	169601	40.00	UG	-0.02
43) Acenaphthene-d10	3.65	164	104192	40.00	UG	-0.02
66) Phenanthrene-d10	4.36	188	185647	40.00	UG	-0.02
82) Chrysene-d12	6.04	240	156825	40.00	UG	-0.03
92) Perylene-d12	7.25	264	129817	40.00	UG	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.56	82	63677	35.73	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 71.46%			
47) 2-Fluorobiphenyl	3.32	172	153421	42.84	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 85.68%			
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.20	244	176498	46.70	UG	-0.03
Spiked Amount 50.000	Range 39 - 121		Recovery = 93.40%			

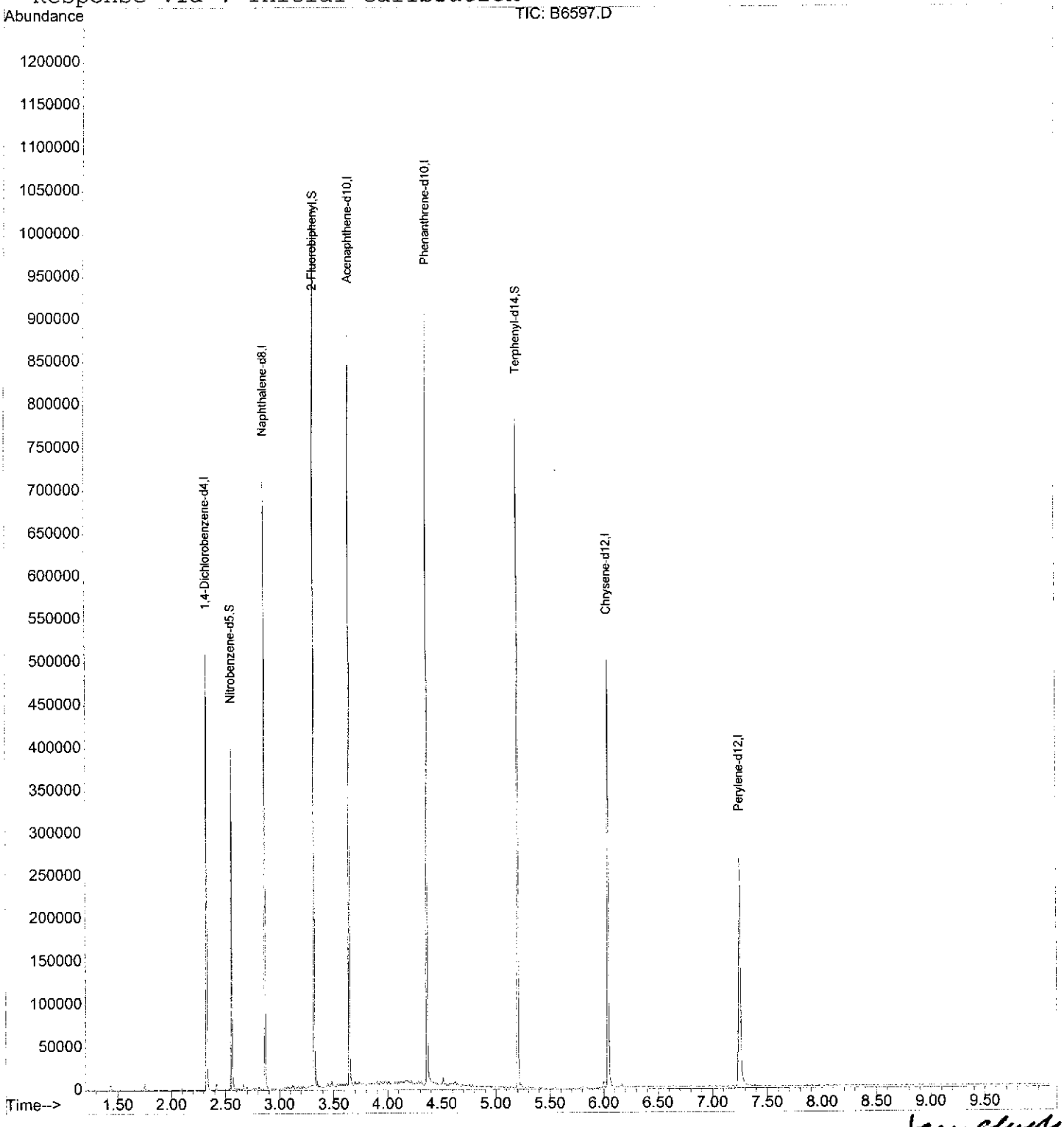
Target Compounds Qvalue

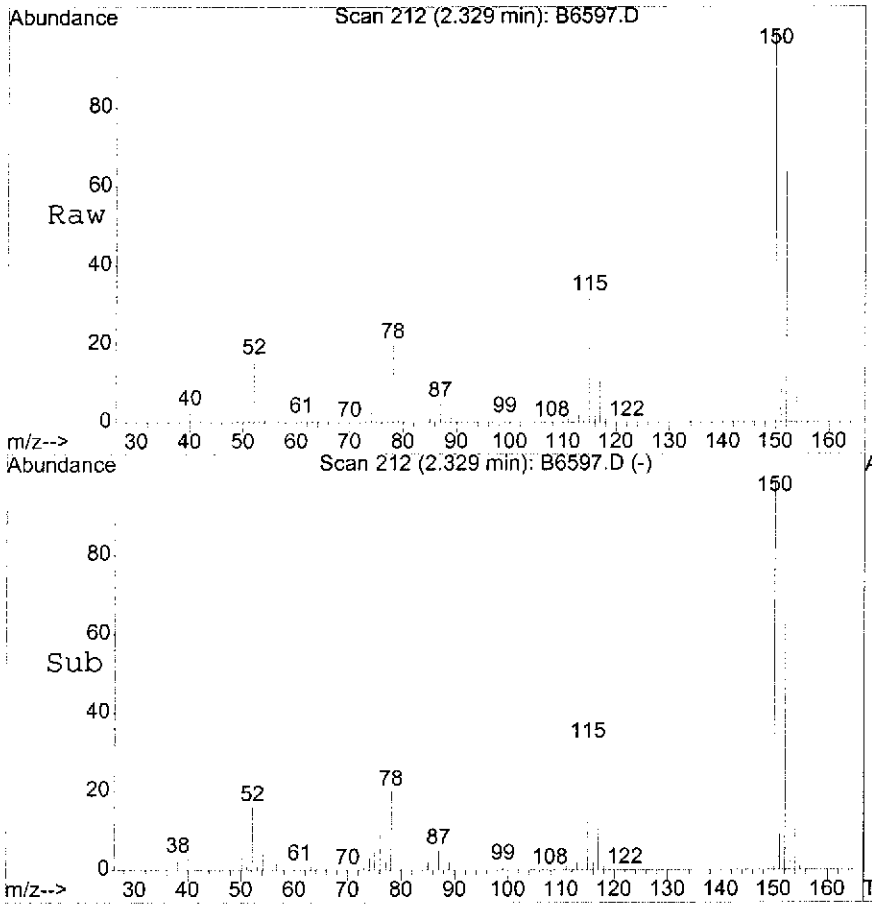
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6597.D Vial: 31
Acq On : 11 Apr 2008 18:40 Operator: JC
Sample : MW-6,03767-001,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:01 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

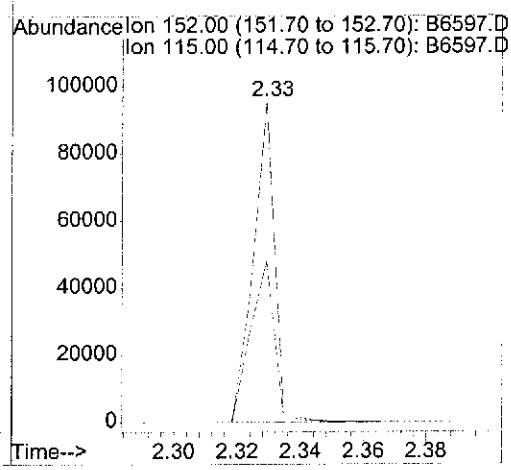


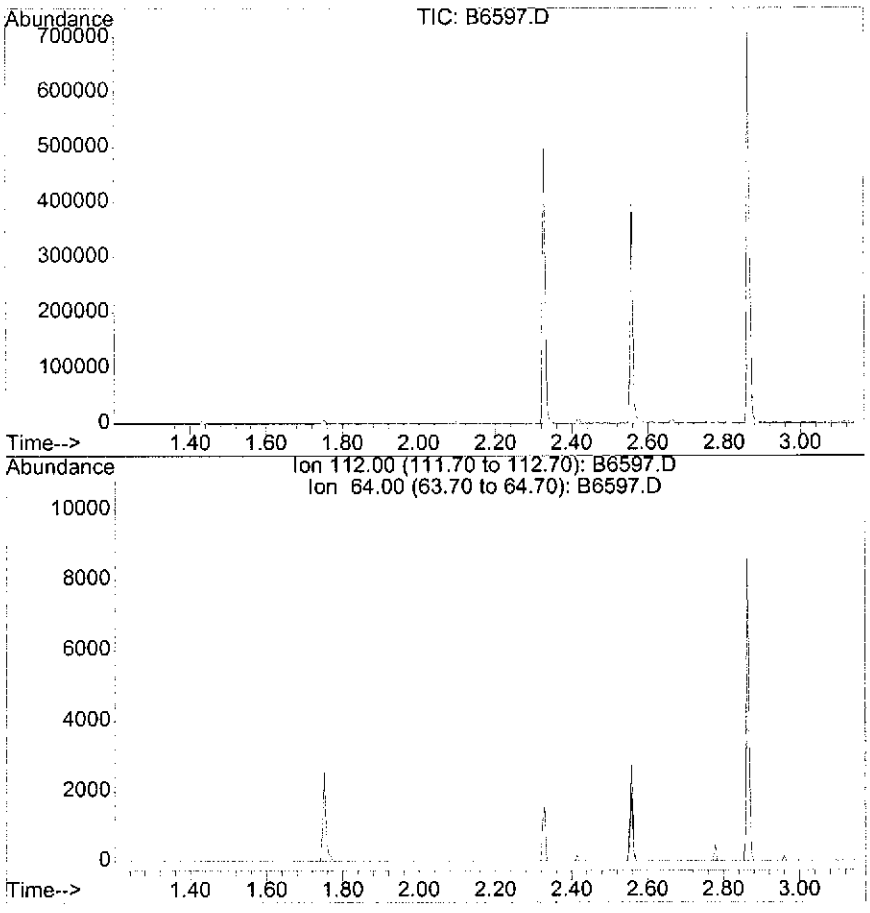


#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:152 Resp: 44868

Ion	Ratio	Lower	Upper
152	100		
115	56.3	42.7	64.1



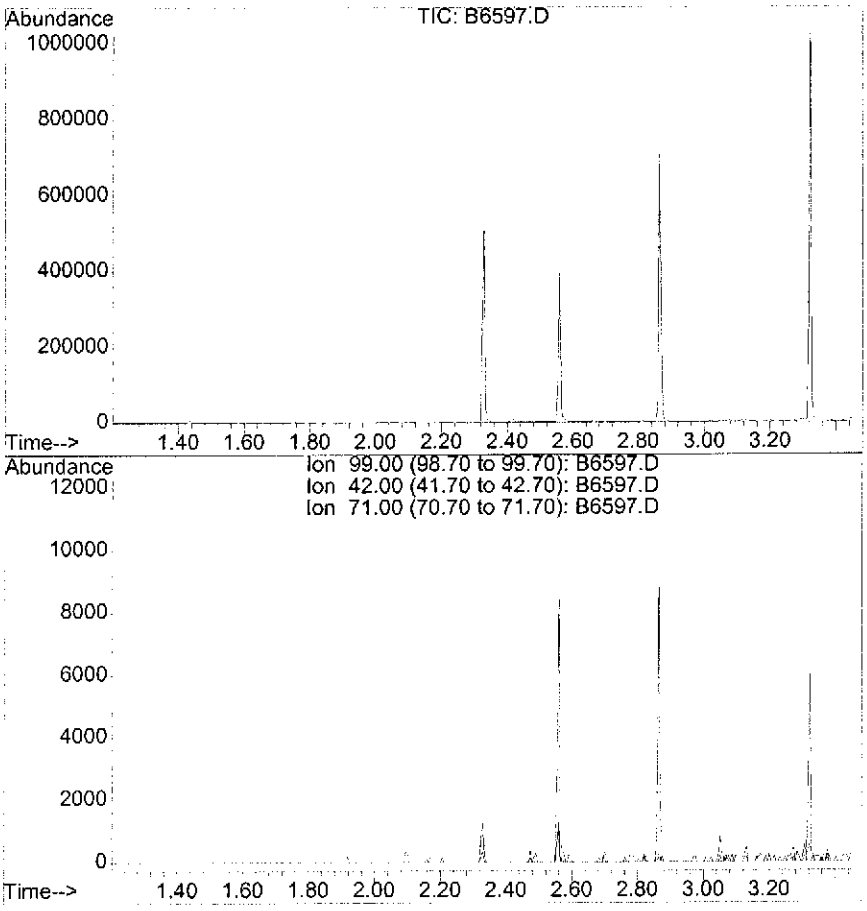


#4
2-Fluorophenol
Concen: 0.00 UG
Expected RT: 1.83 min

Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	46.5

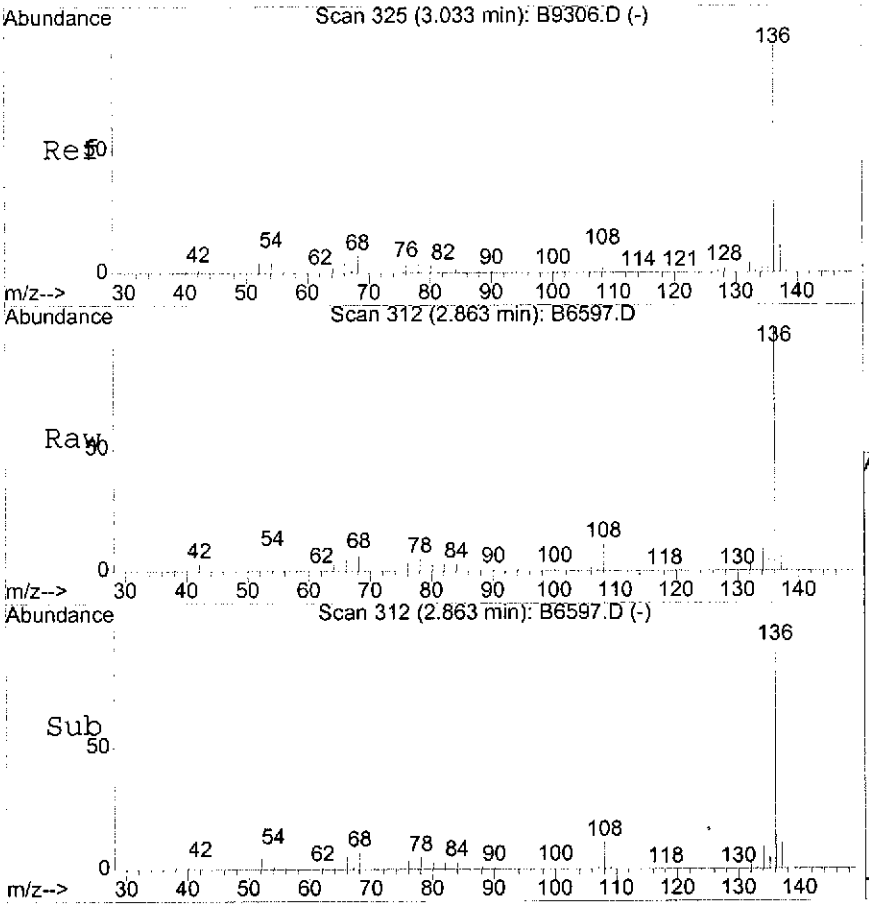


#6
Phenol-d5
Concen: 0.00 UG
Expected RT: 2.17 min

Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion: 99

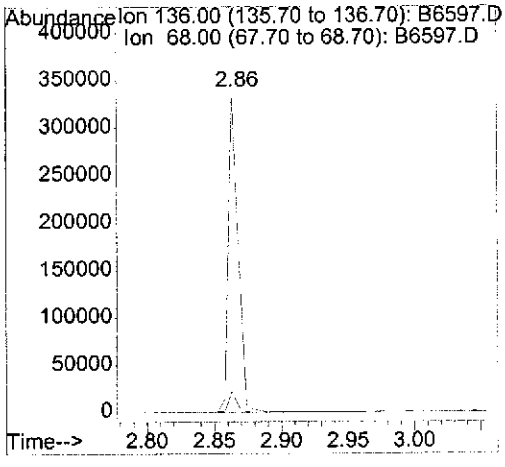
Sig	Exp Ratio
99	100
42	11.1
71	25.0

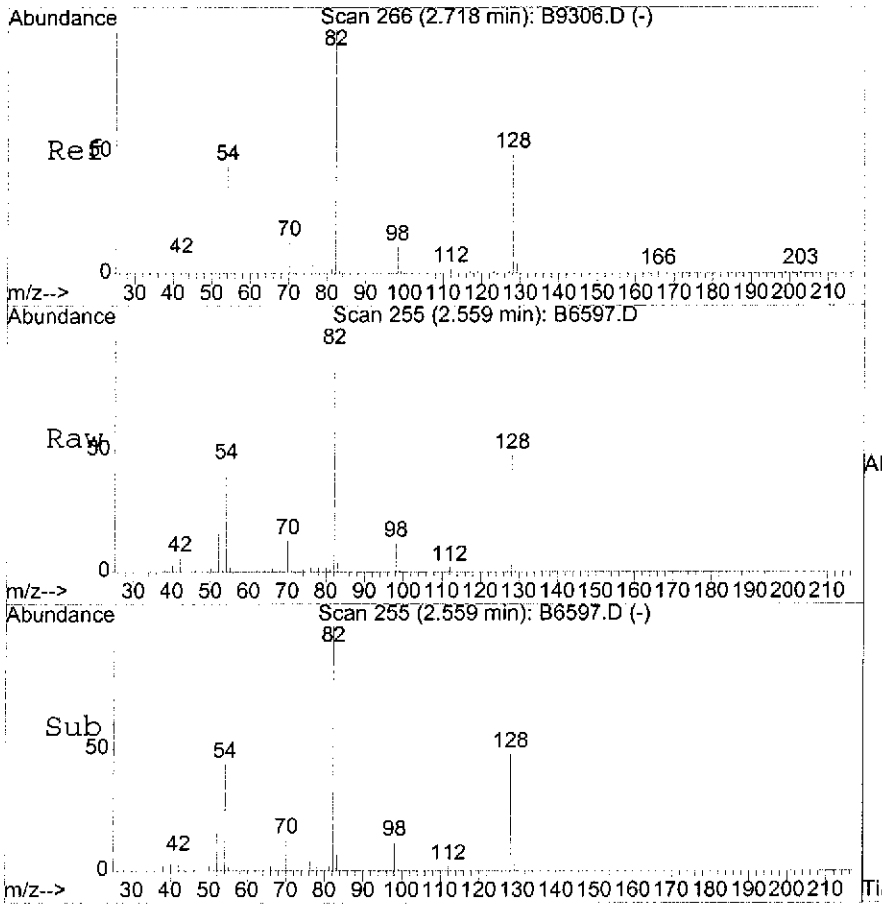


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.86 min Scan# 312
Delta R.T. -0.02 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:136 Resp: 169601

Ion	Ratio	Lower	Upper
136	100		
68	5.5	5.1	7.7

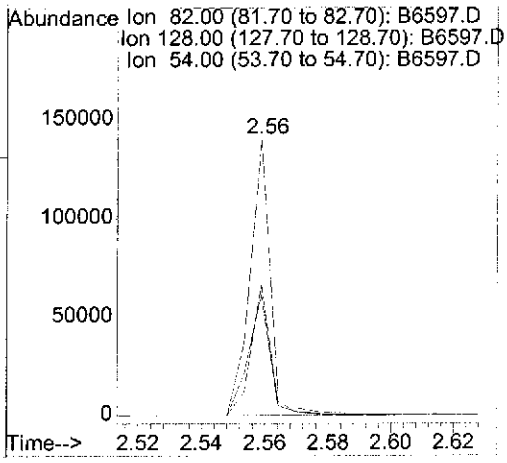


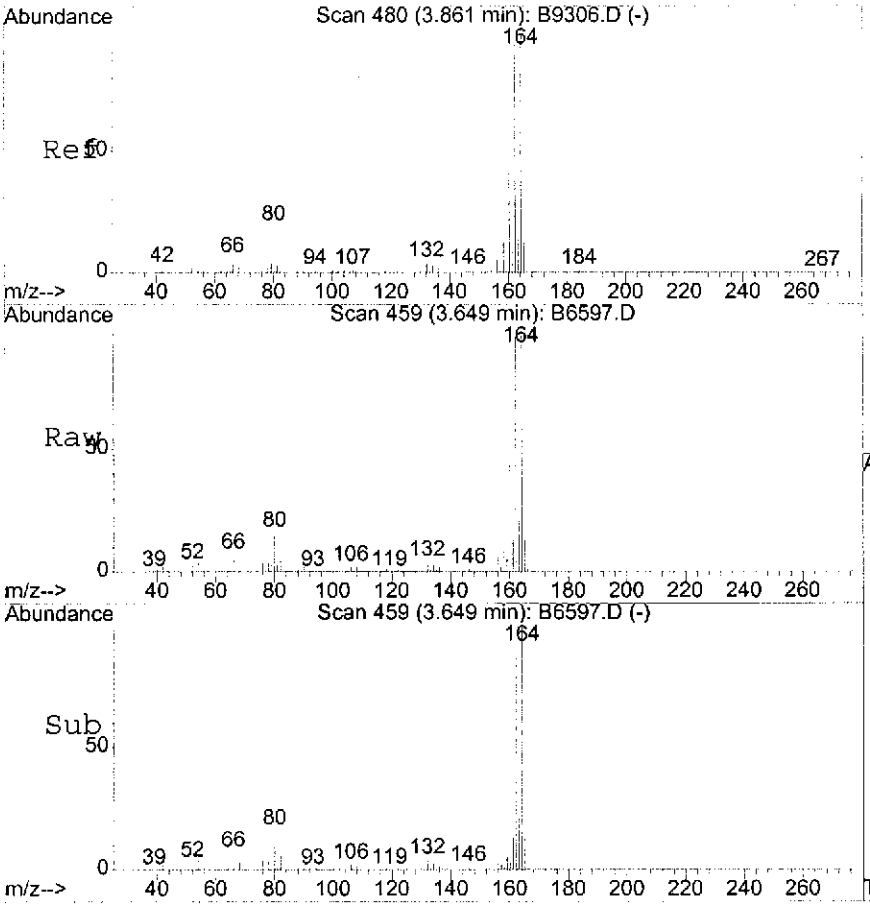


#24
Nitrobenzene-d5
Concen: 35.73 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion: 82 Resp: 63677

Ion	Ratio	Lower	Upper
82	100		
128	45.2	41.8	62.8
54	46.6	29.6	44.4#

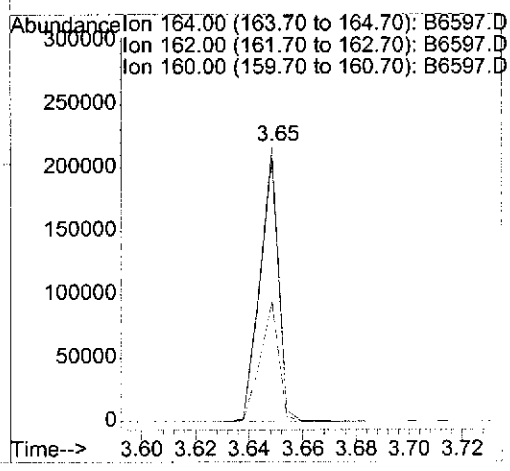


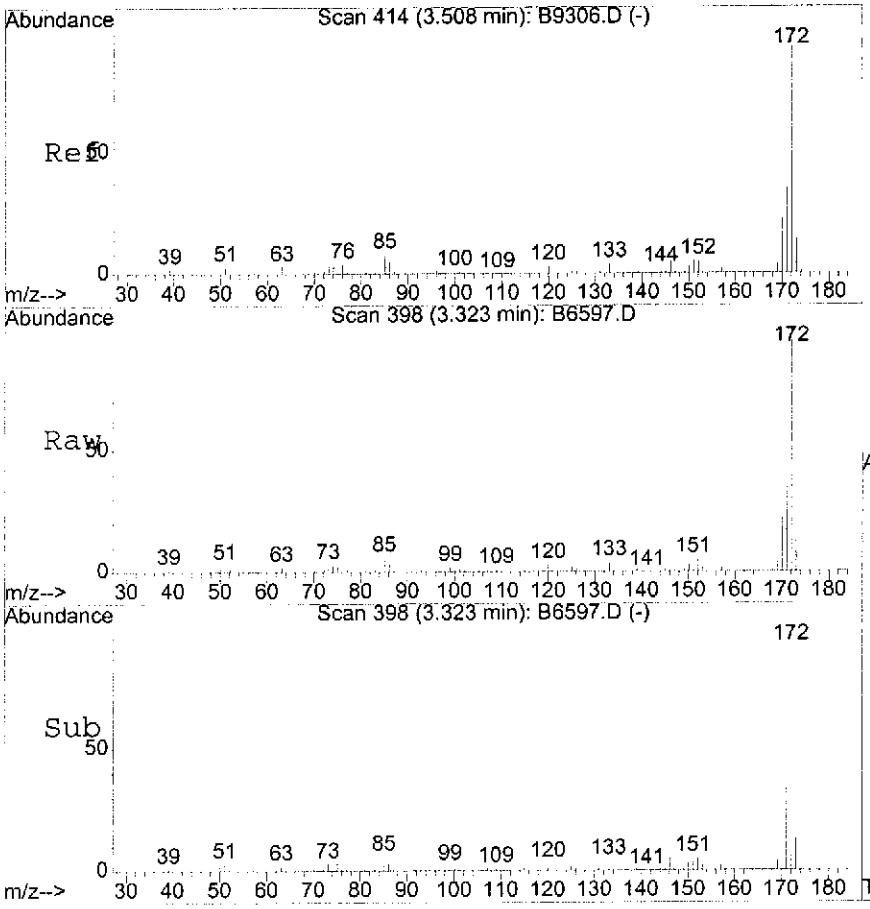


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.65 min Scan# 459
Delta R.T. -0.02 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:164 Resp: 104192

Ion	Ratio	Lower	Upper
164	100		
162	95.2	74.3	111.5
160	43.5	32.8	49.2

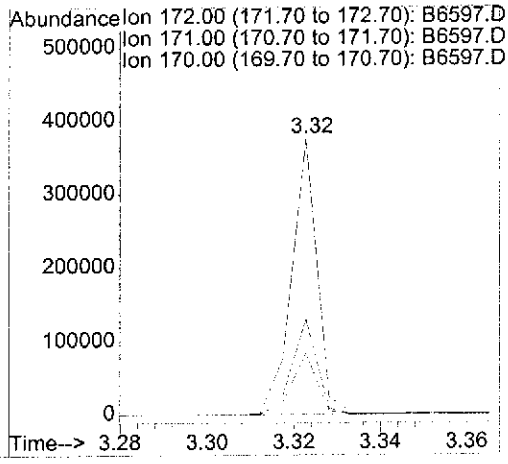


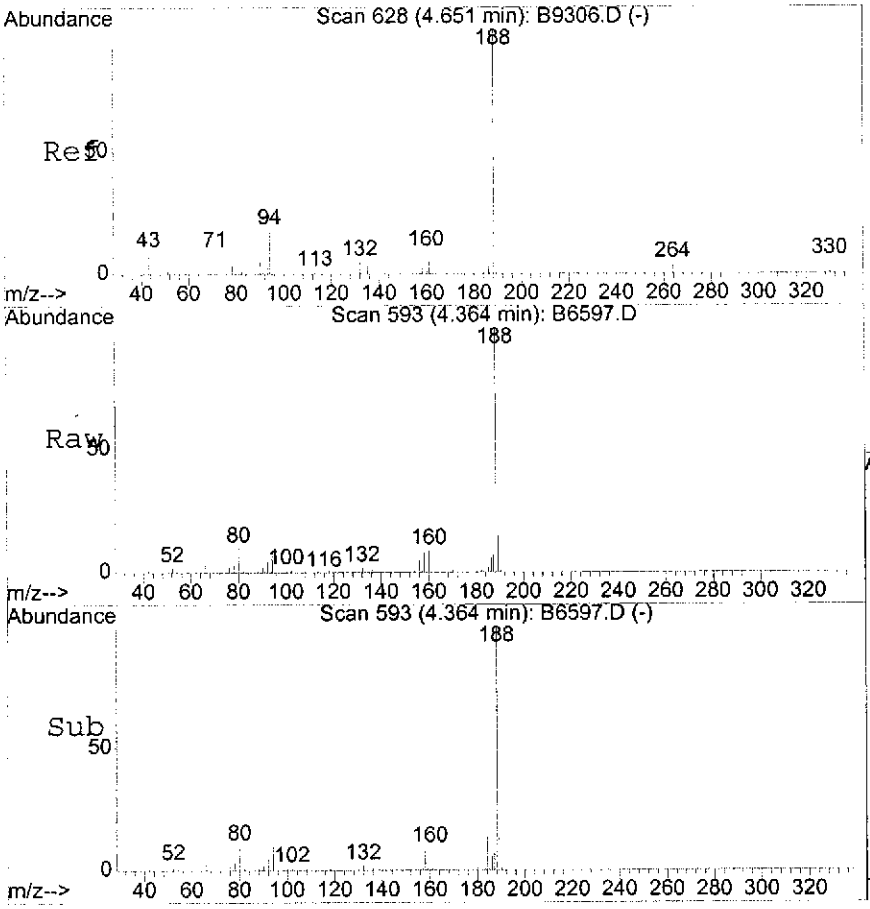


#47
2-Fluorobiphenyl
Concen: 42.84 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:172 Resp: 153421

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.7	41.5
170	22.2	18.2	27.2

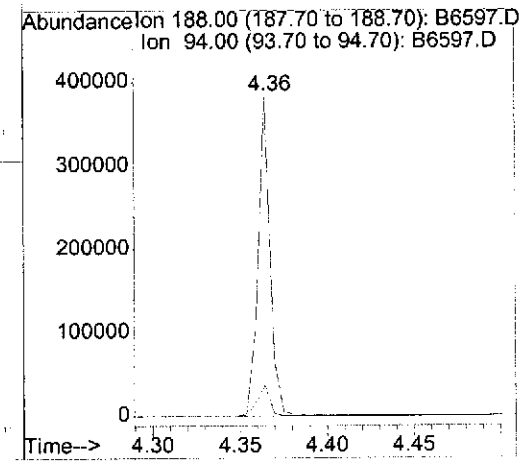


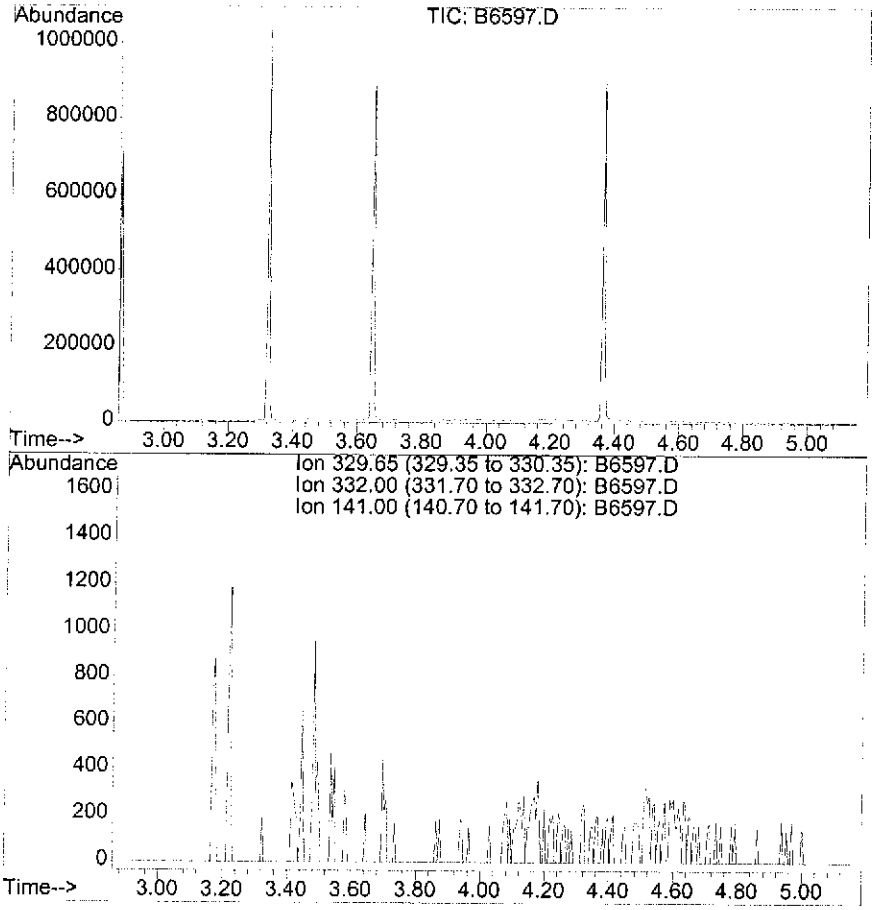


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.36 min Scan# 593
Delta R.T. -0.02 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:188 Resp: 185647

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.0



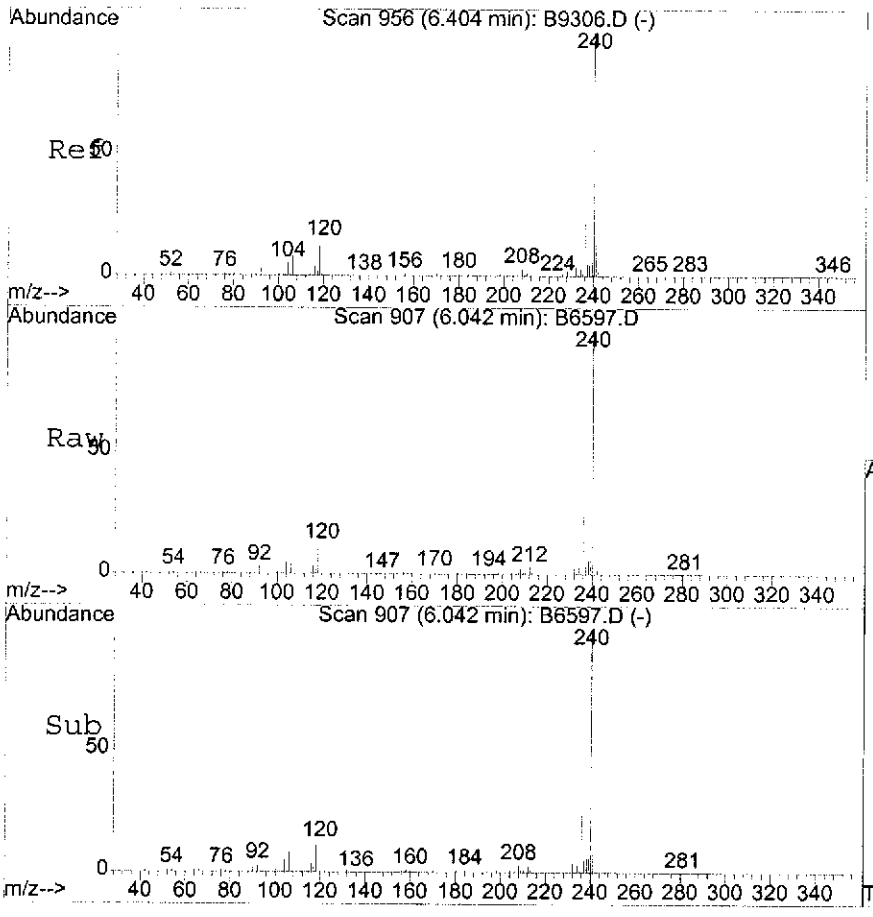


#70
2,4,6-Tribromophenol
Concen: 0.00 UG
Expected RT: 4.04 min

Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion: 330

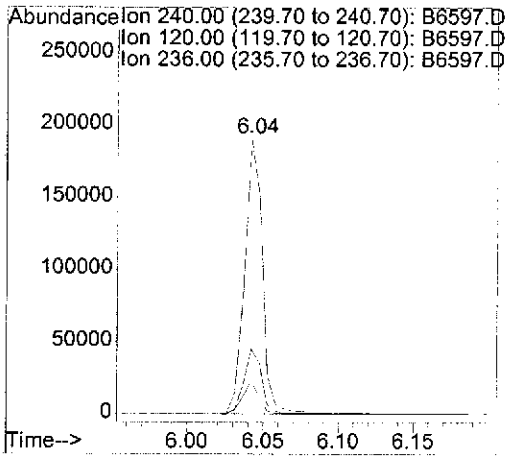
Sig	Exp Ratio
330	100
332	99.3
141	27.3

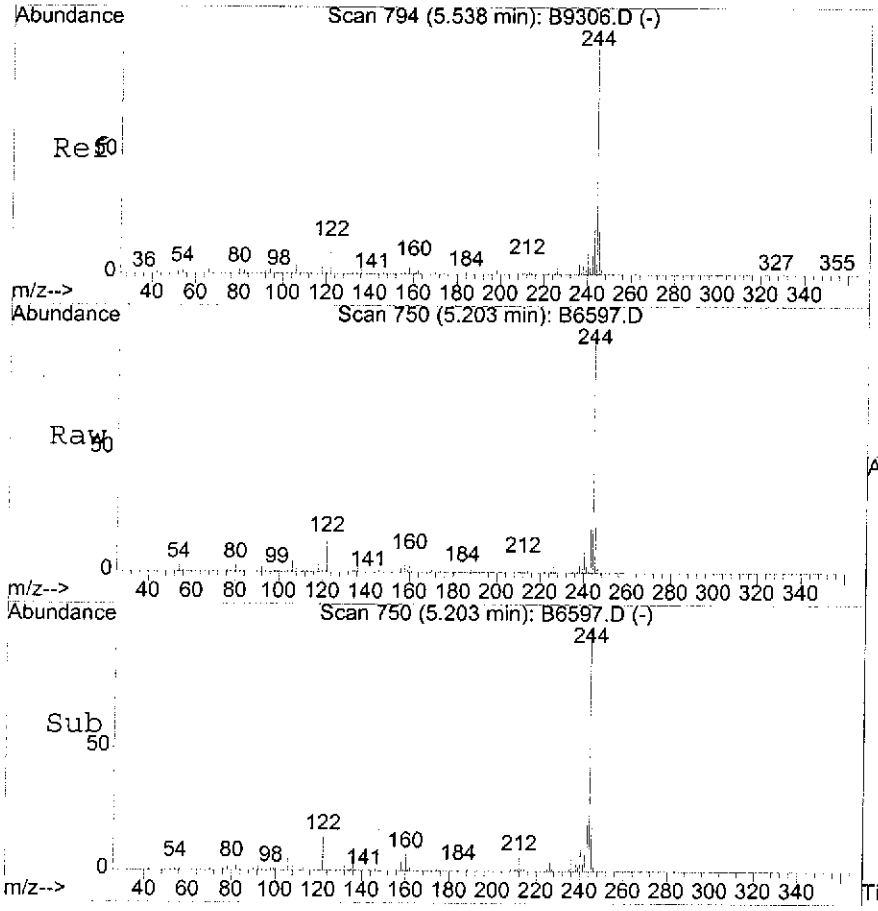


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.04 min Scan# 907
Delta R.T. -0.03 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:240 Resp: 156825

Ion	Ratio	Lower	Upper
240	100		
120	11.1	11.7	17.5#
236	23.6	19.2	28.8

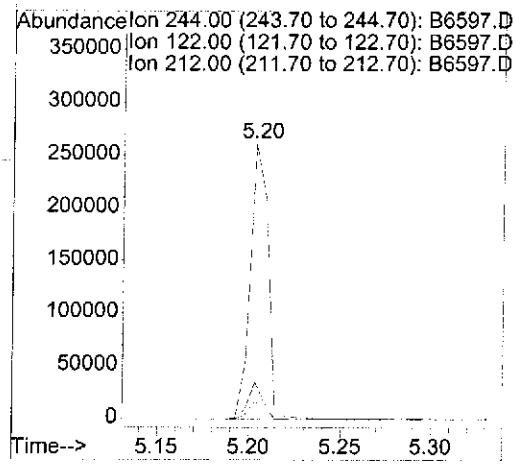


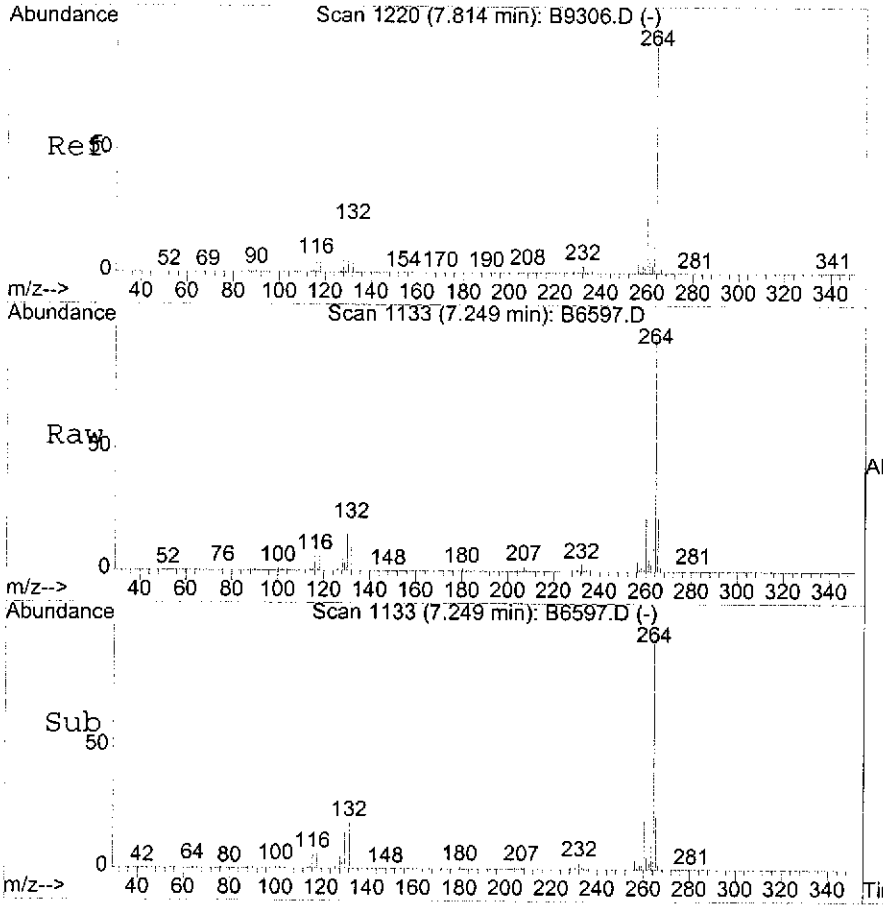


#84
Terphenyl-d14
Concen: 46.70 UG
RT: 5.20 min Scan# 750
Delta R.T. -0.03 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:244 Resp: 176498

Ion	Ratio	Lower	Upper
244	100		
122	11.1	11.0	16.4
212	6.1	4.4	6.6

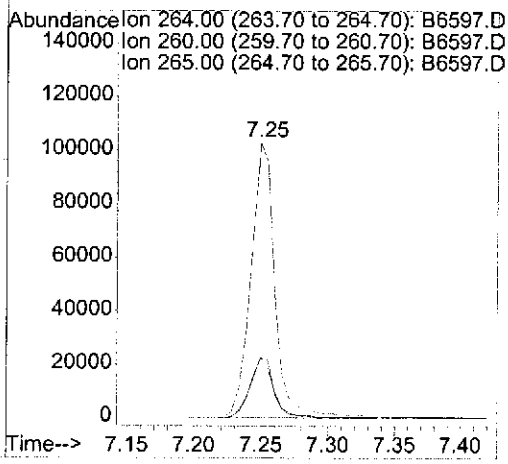




#92
Perylene-d12
Concen: 40.00 UG
RT: 7.25 min Scan# 1133
Delta R.T. -0.05 min
Lab File: B6597.D
Acq: 11 Apr 2008 18:40

Tgt Ion:264 Resp: 129817

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.8	26.8
265	21.0	17.3	25.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6598.D Vial: 32
Acq On : 11 Apr 2008 18:55 Operator: JC
Sample : MW-5,03767-002,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 19:05:38 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	46098	40.00	UG		-0.01
23) Naphthalene-d8	2.86	136	186926	40.00	UG		-0.02
43) Acenaphthene-d10	3.65	164	108286	40.00	UG		-0.02
66) Phenanthrene-d10	4.36	188	186751	40.00	UG		-0.02
82) Chrysene-d12	6.05	240	154028	40.00	UG		-0.03
92) Perylene-d12	7.25	264	122322	40.00	UG		-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0d	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	2.56	82	57995	29.53	UG		-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 59.06%				
47) 2-Fluorobiphenyl	3.32	172	135541	36.41	UG		-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 72.82%				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	5.21	244	144636	38.96	UG		-0.02
Spiked Amount 50.000	Range 39 - 121		Recovery = 77.92%				
Target Compounds							Qvalue
55) Acenaphthene	3.66	153	147884	44.76	UG		91
61) Fluorene	3.90	166	70388	19.25	UG		98
75) Phenanthrene	4.37	178	109947	23.25	UG		97
76) Anthracene	4.40	178	9038m	1.83	UG		
79) Fluoranthene	5.02	202	20482	4.47	UG	#	90
83) Pyrene	5.15	202	11607	2.34	UG	#	96
88) Benzo[a]anthracene	6.03	228	1297	0.33	UG	#	92

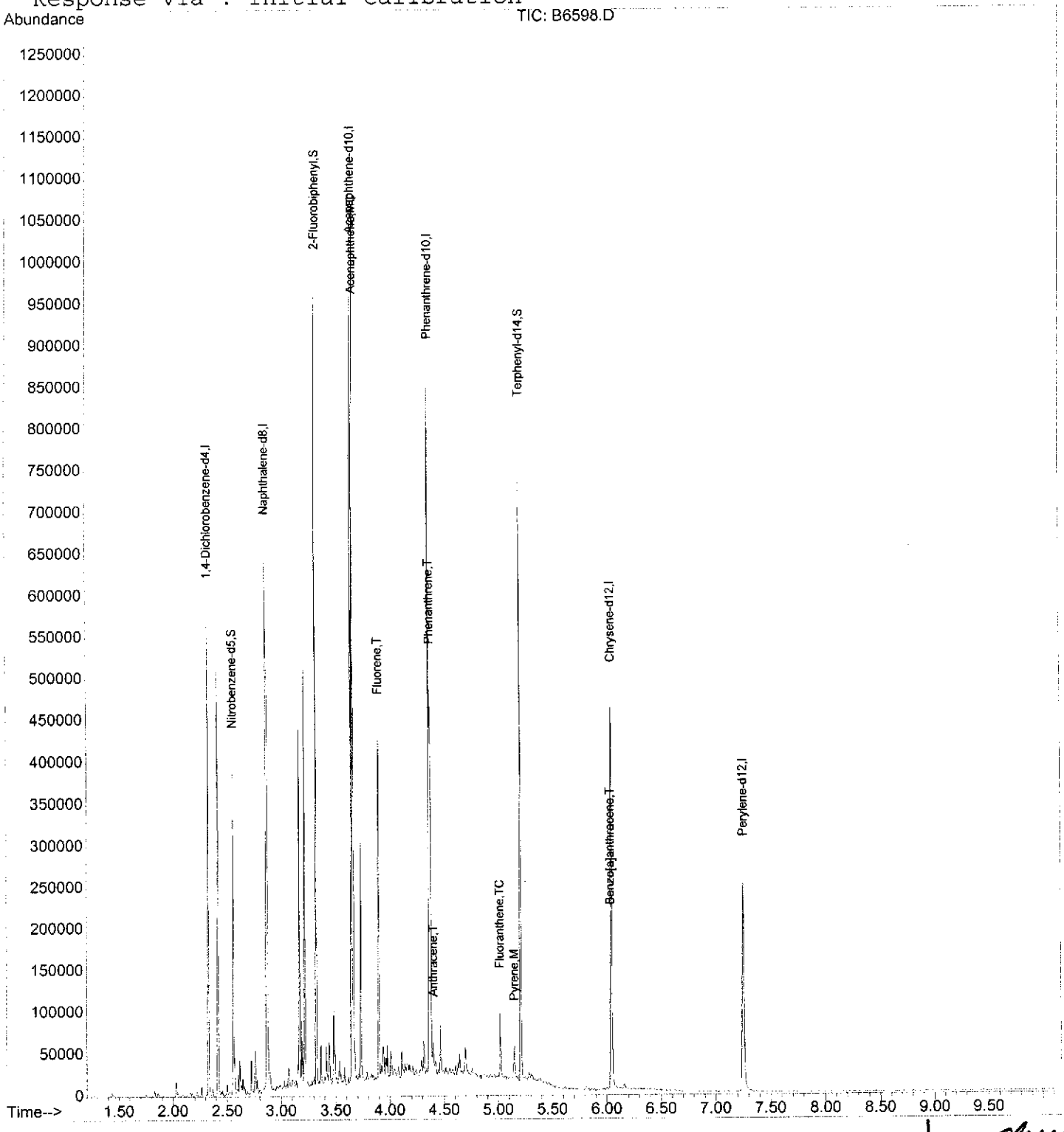
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

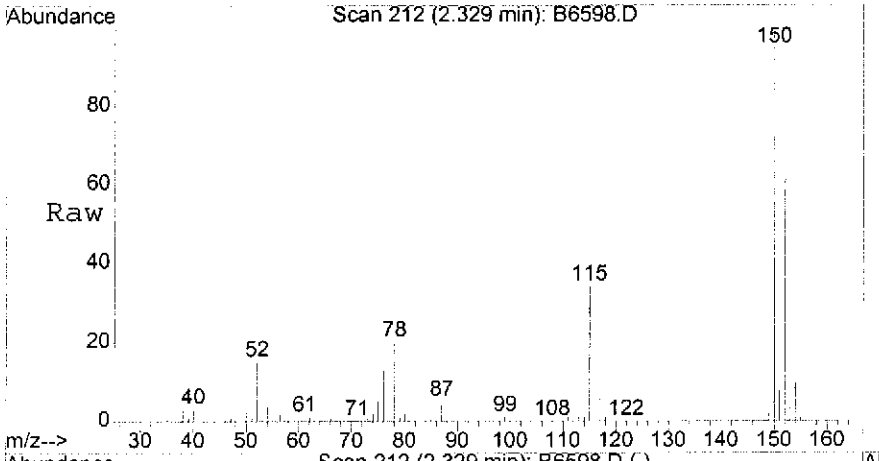
Data File : C:\MSDCHEM\1\DATA\04-11-08\B6598.D
Acq On : 11 Apr 2008 18:55
Sample : MW-5,03767-002,A,1000ml,100,04/09/08
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1
MS Integration Params: rteint.p
Quant Time: Apr 14 8:02 2008

Vial: 32
Operator: JC
Inst : MSD_B
Multiplr: 1.00
Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



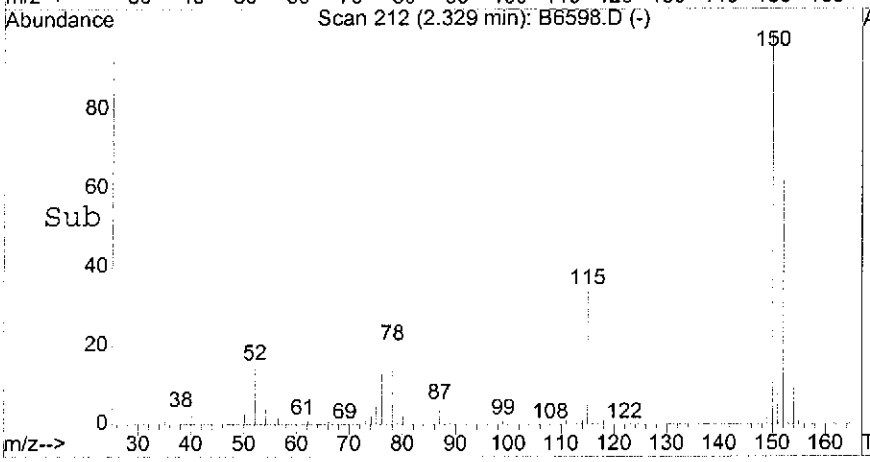
0192

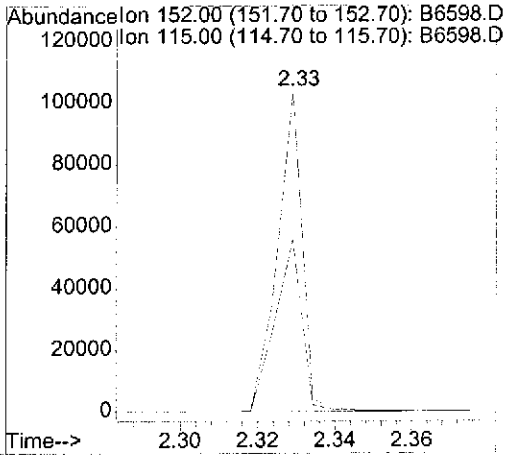


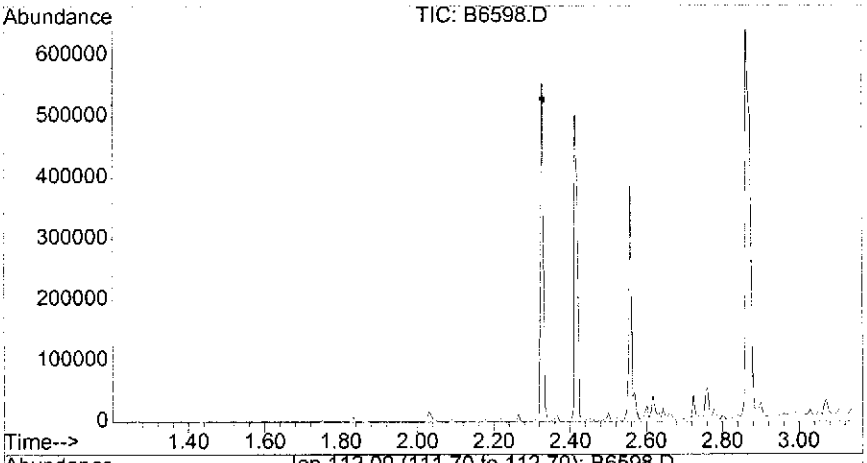
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:152 Resp: 46098

Ion	Ratio	Lower	Upper
152	100		
115	58.9	42.7	64.1





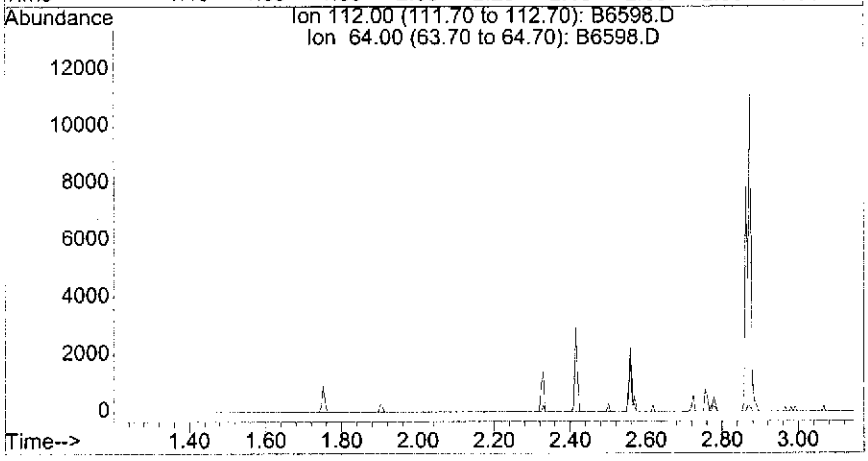


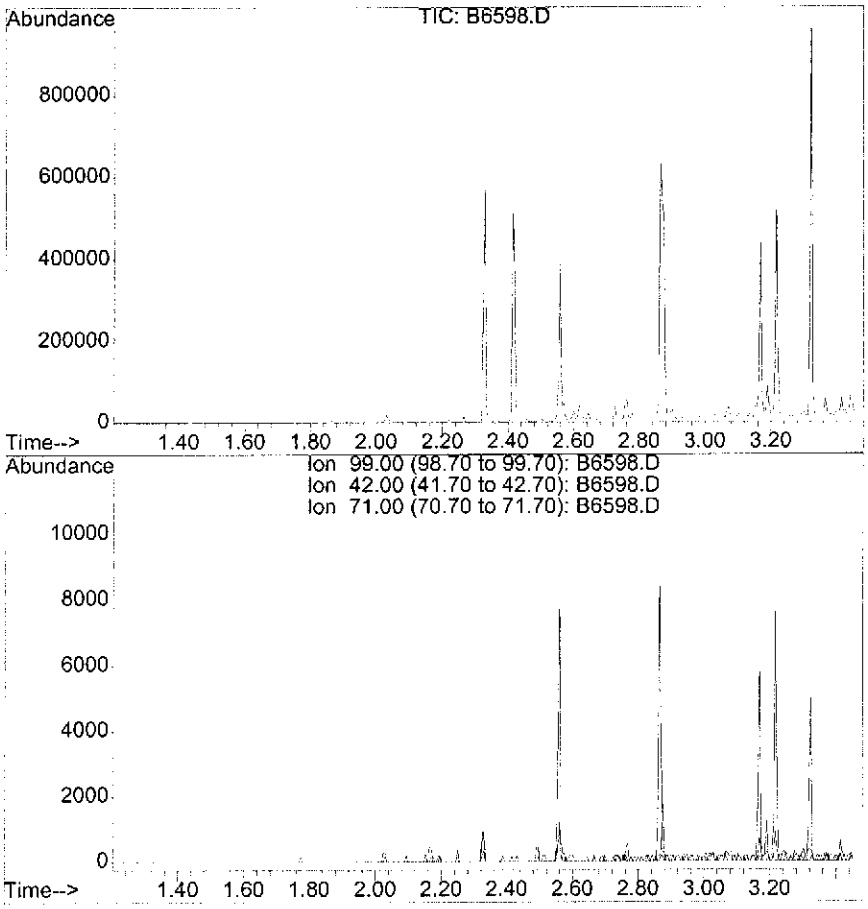
#4
2-Fluorophenol
Concen: 0.00 UG
Expected RT: 1.83 min

Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	46.5



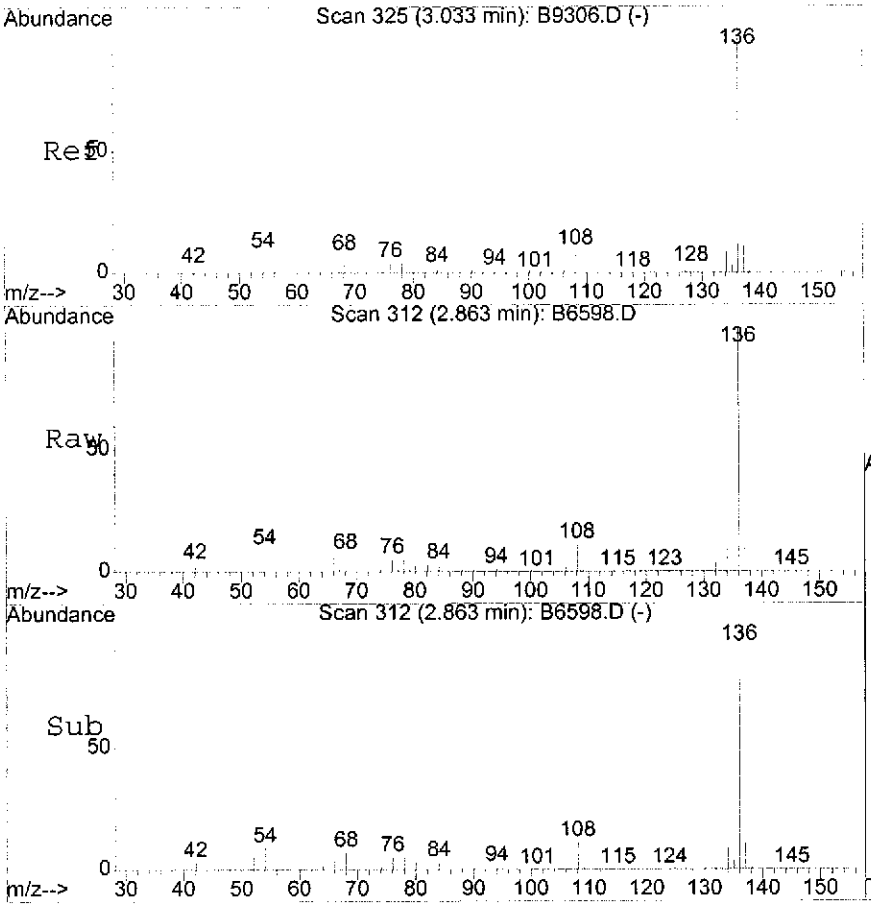


#6
Phenol-d5
Concen: 0.00 UG
Expected RT: 2.17 min

Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion: 99

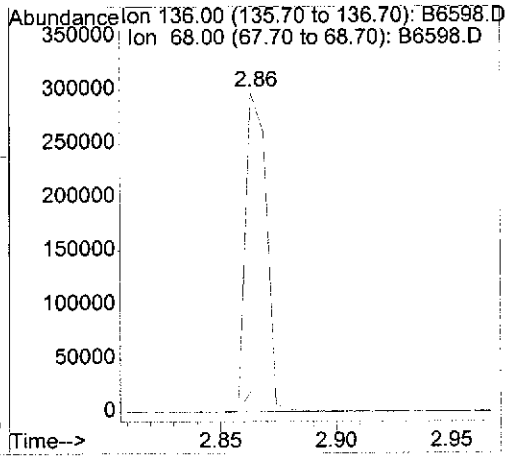
Sig	Exp Ratio
99	100
42	11.1
71	25.0

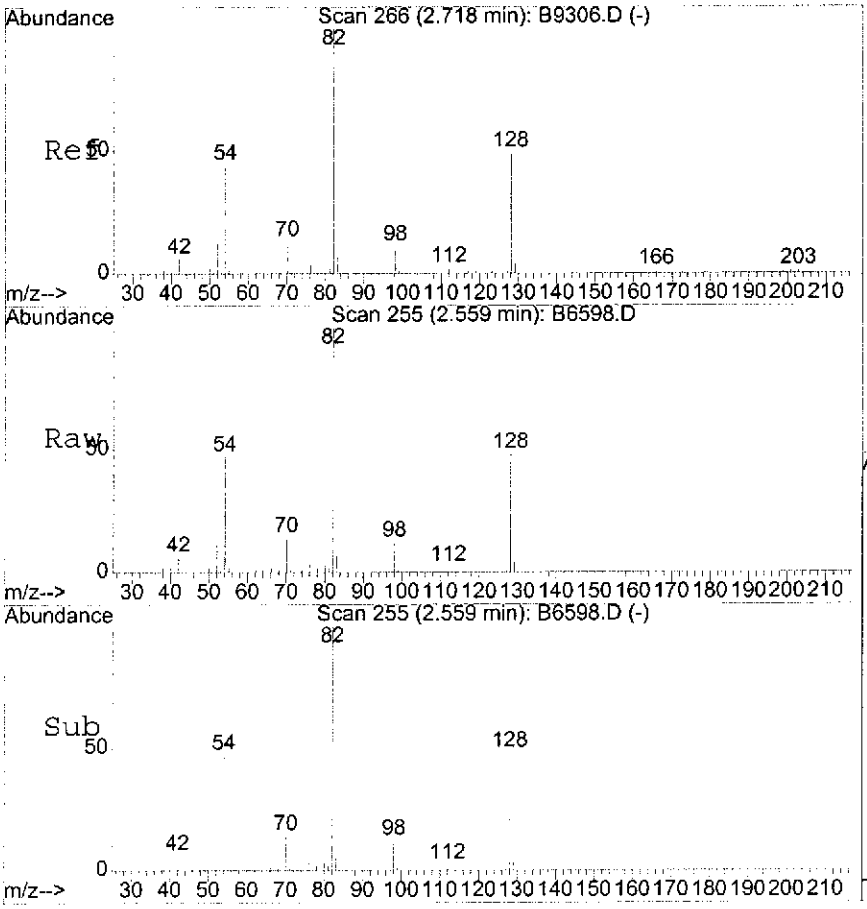


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.86 min Scan# 312
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:136 Resp: 186926

Ion	Ratio	Lower	Upper
136	100		
68	5.4	5.1	7.7

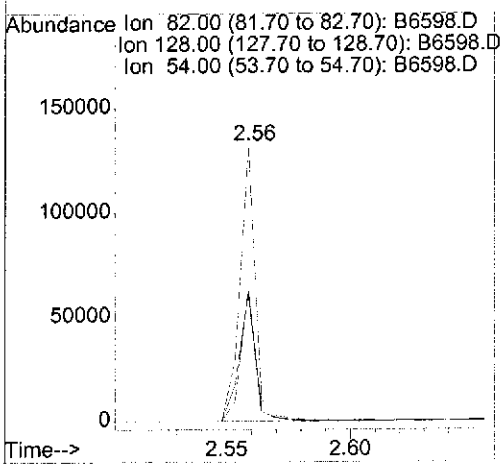


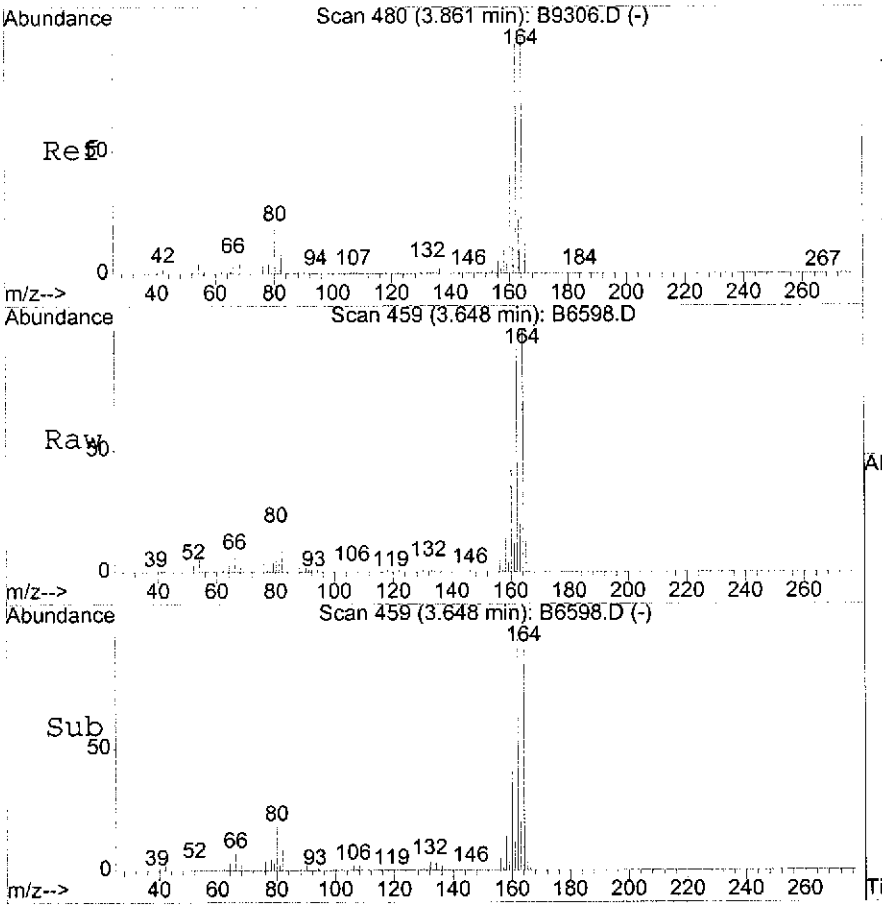


#24
Nitrobenzene-d5
Concen: 29.53 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion: 82 Resp: 57995

Ion	Ratio	Lower	Upper
82	100		
128	46.0	41.8	62.8
54	48.3	29.6	44.4#

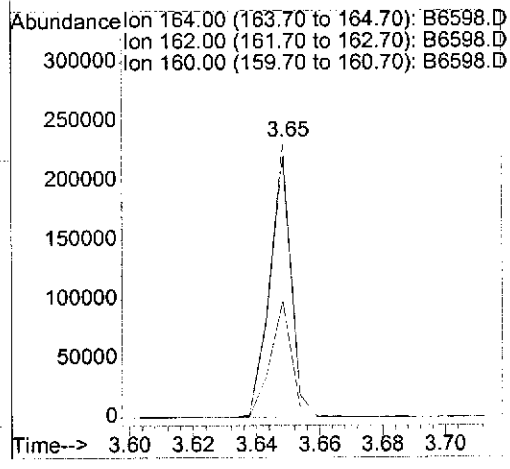


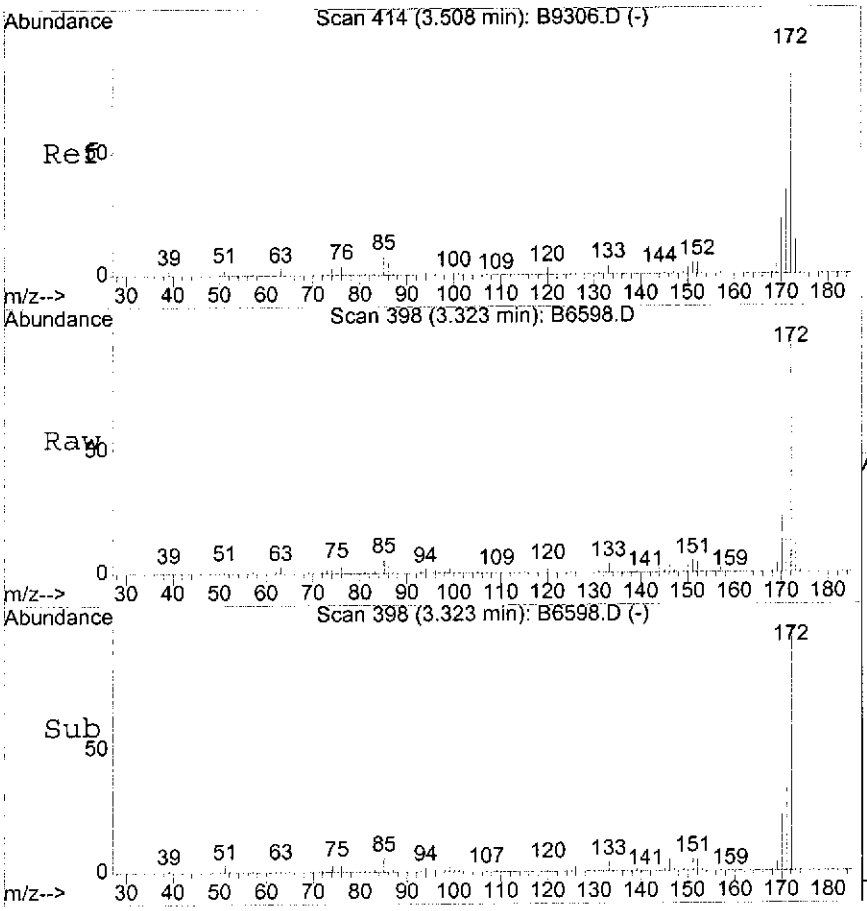


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.65 min Scan# 459
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:164 Resp: 108286

Ion	Ratio	Lower	Upper
164	100		
162	95.3	74.3	111.5
160	42.5	32.8	49.2

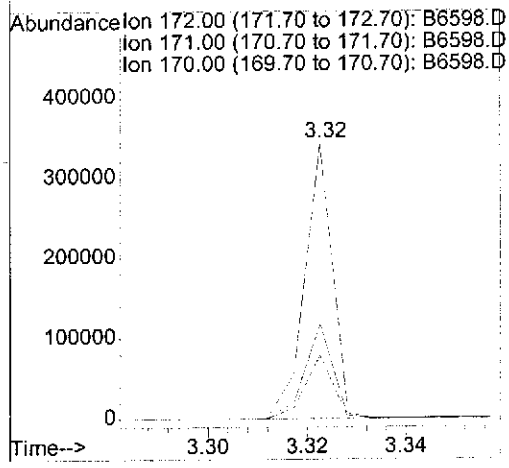


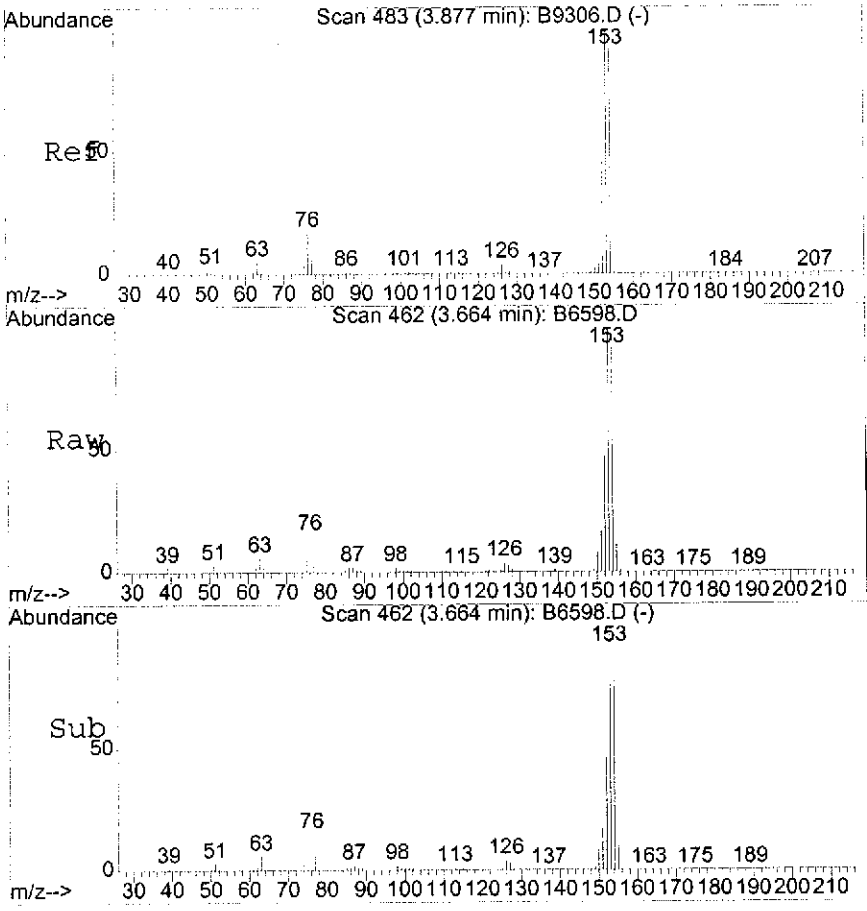


#47
2-Fluorobiphenyl
Concen: 36.41 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:172 Resp: 135541

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.7	41.5
170	23.0	18.2	27.2

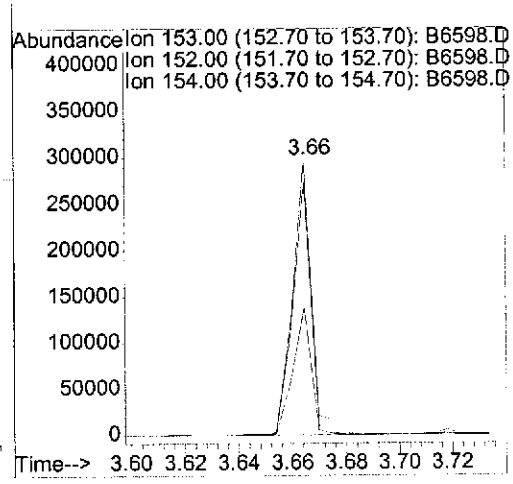


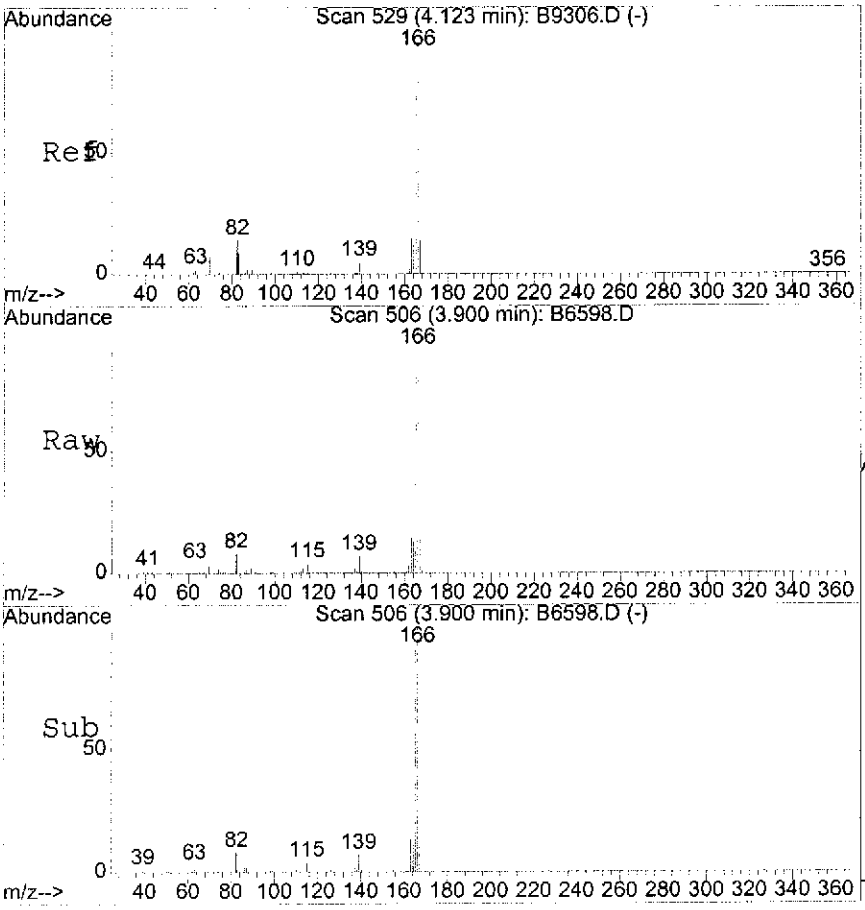


#55
Acenaphthene
Concen: 44.76 UG
RT: 3.66 min Scan# 462
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:153 Resp: 147884

Ion	Ratio	Lower	Upper
153	100		
152	44.4	37.4	56.2
154	86.6	79.0	118.6

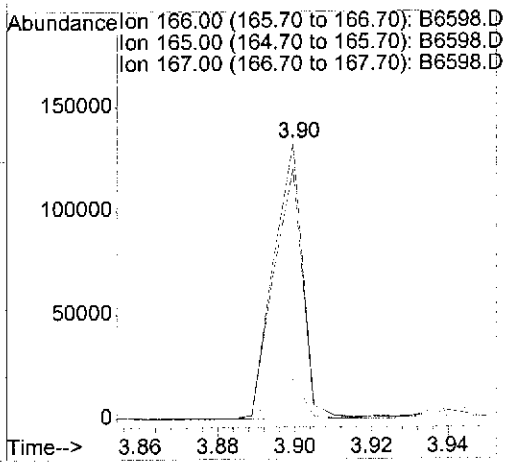


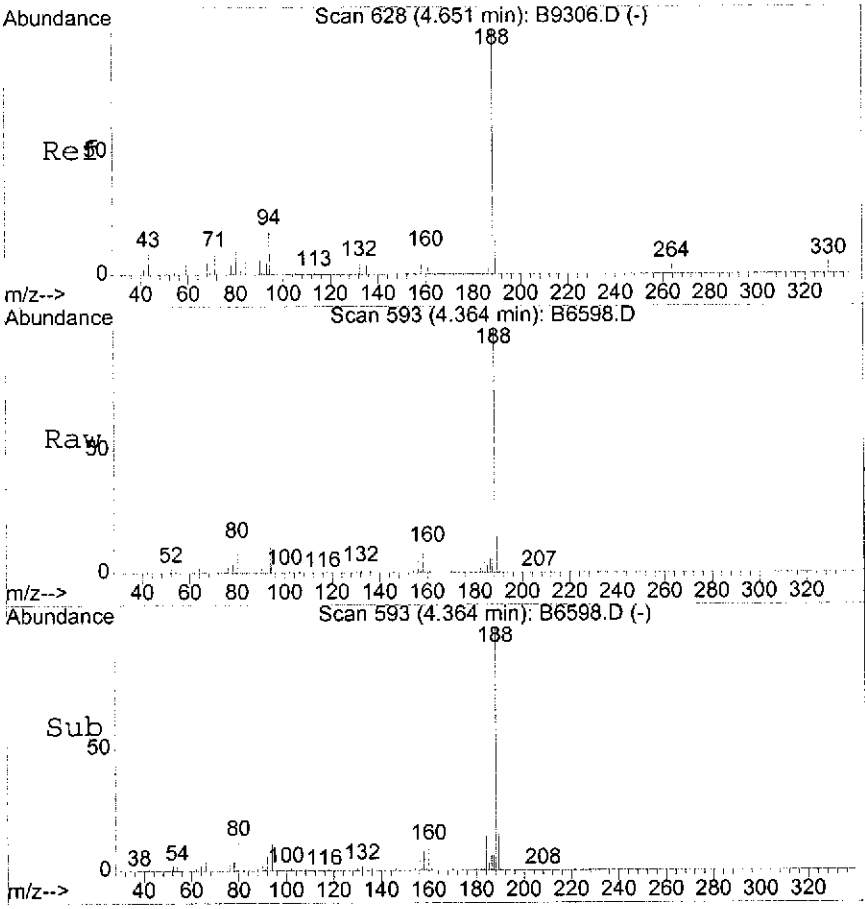


#61
Fluorene
Concen: 19.25 UG
RT: 3.90 min Scan# 506
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:166 Resp: 70388

Ion	Ratio	Lower	Upper
166	100		
165	89.9	73.5	110.3
167	14.5	10.9	16.3

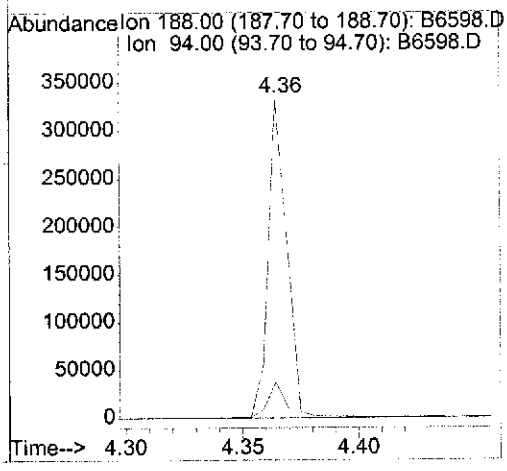


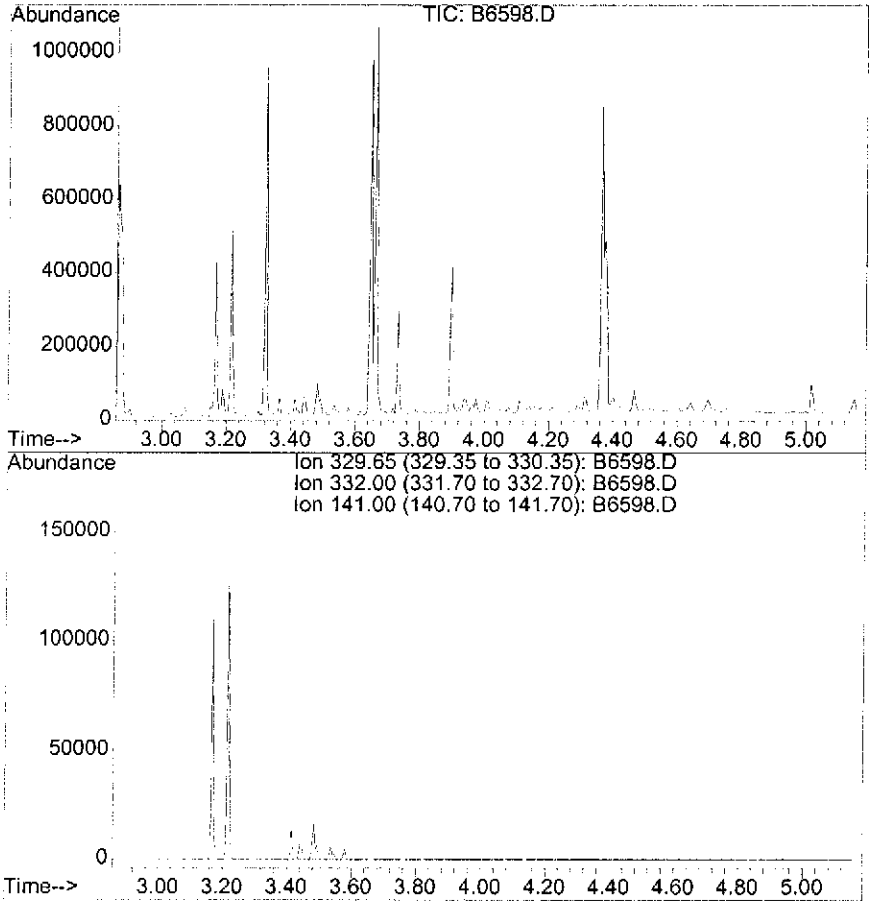


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.36 min Scan# 593
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:188 Resp: 186751

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.0



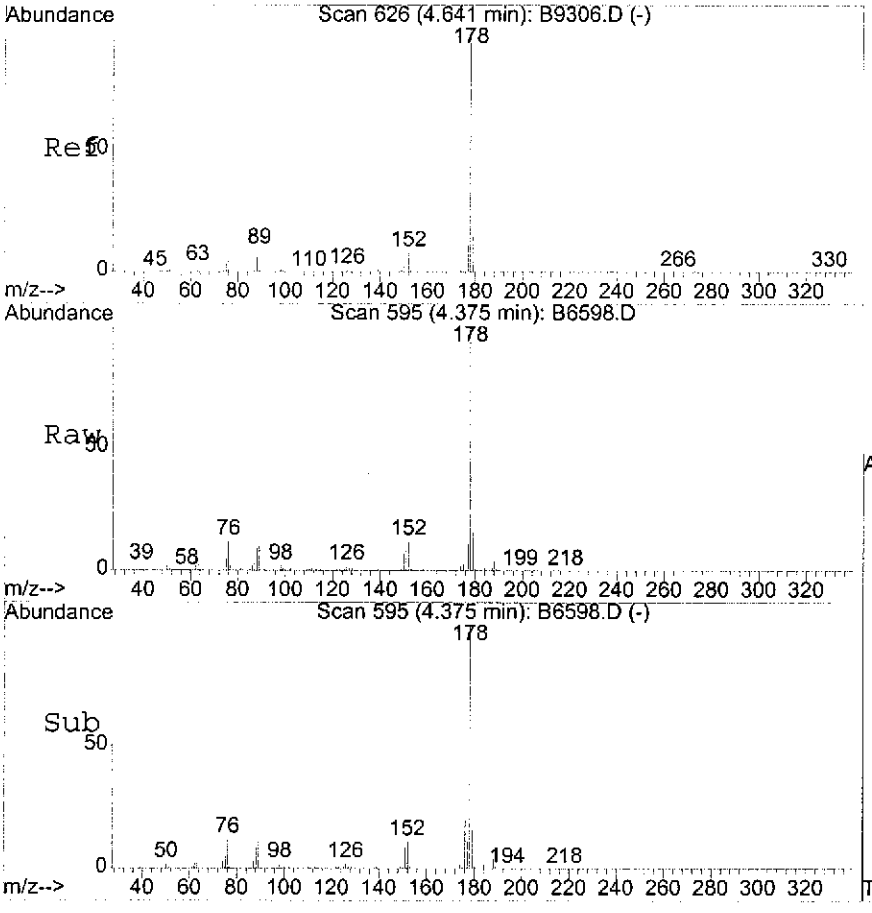


#70
2,4,6-Tribromophenol
Concen: 0.00 UG
Expected RT: 4.04 min

Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion: 330

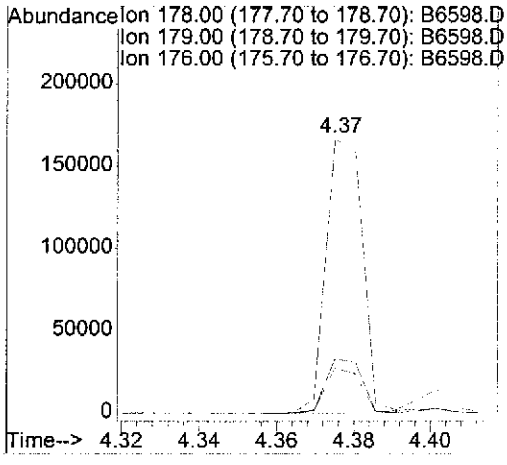
Sig	Exp Ratio
330	100
332	99.3
141	27.3

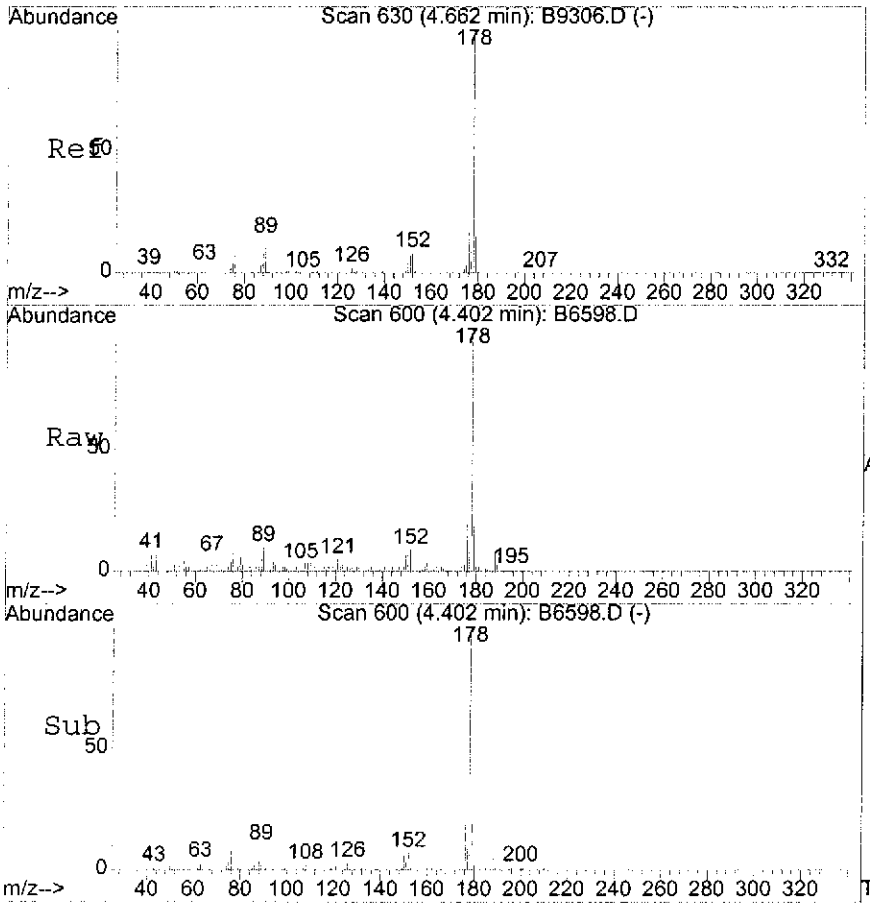


#75
Phenanthrene
Concen: 23.25 UG
RT: 4.37 min Scan# 595
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:178 Resp: 109947

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.2	18.2
176	19.6	14.8	22.2

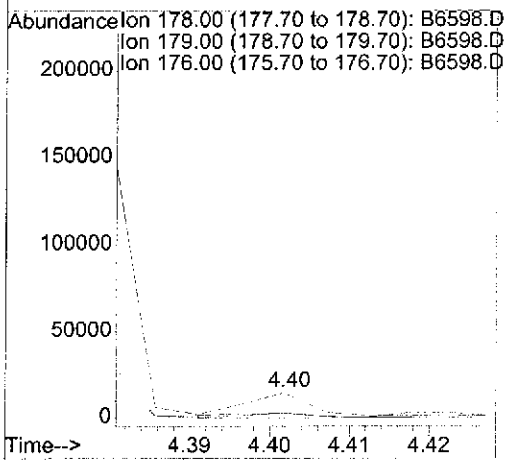


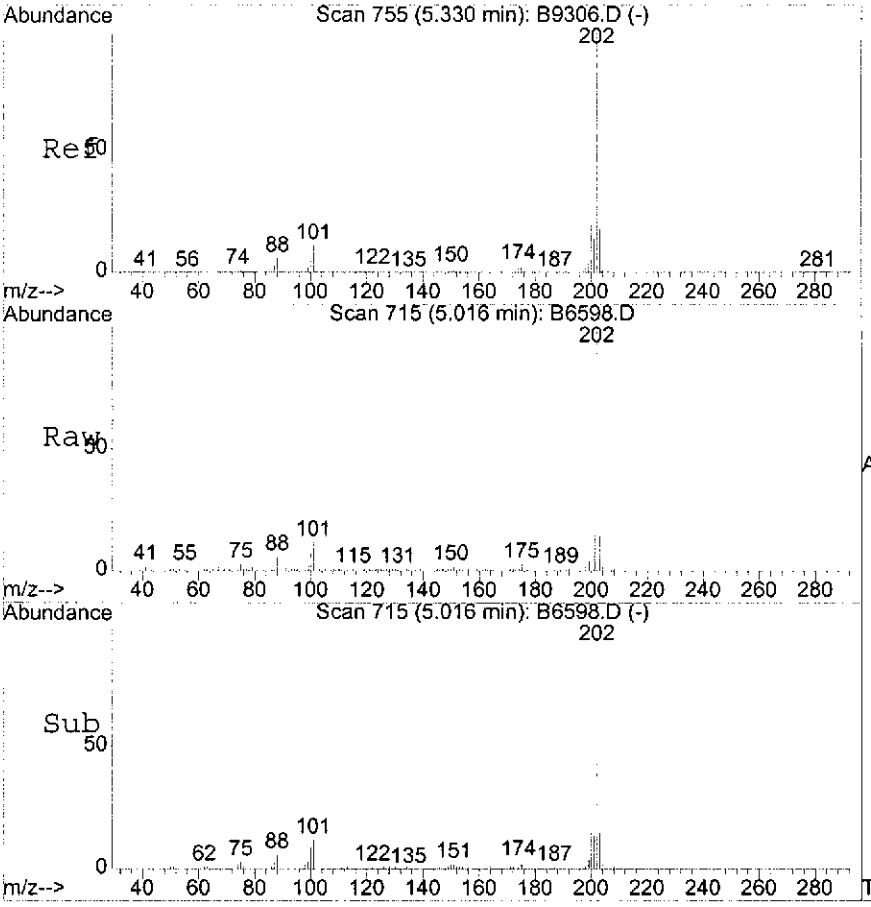


#76
Anthracene
Concen: 1.83 UG m
RT: 4.40 min Scan# 600
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:178 Resp: 9038

Ion	Ratio	Lower	Upper
178	100		
179	200.8	12.4	18.6#
176	238.8	14.6	21.8#

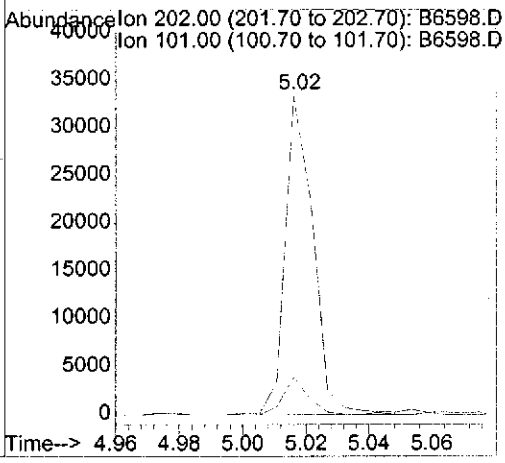


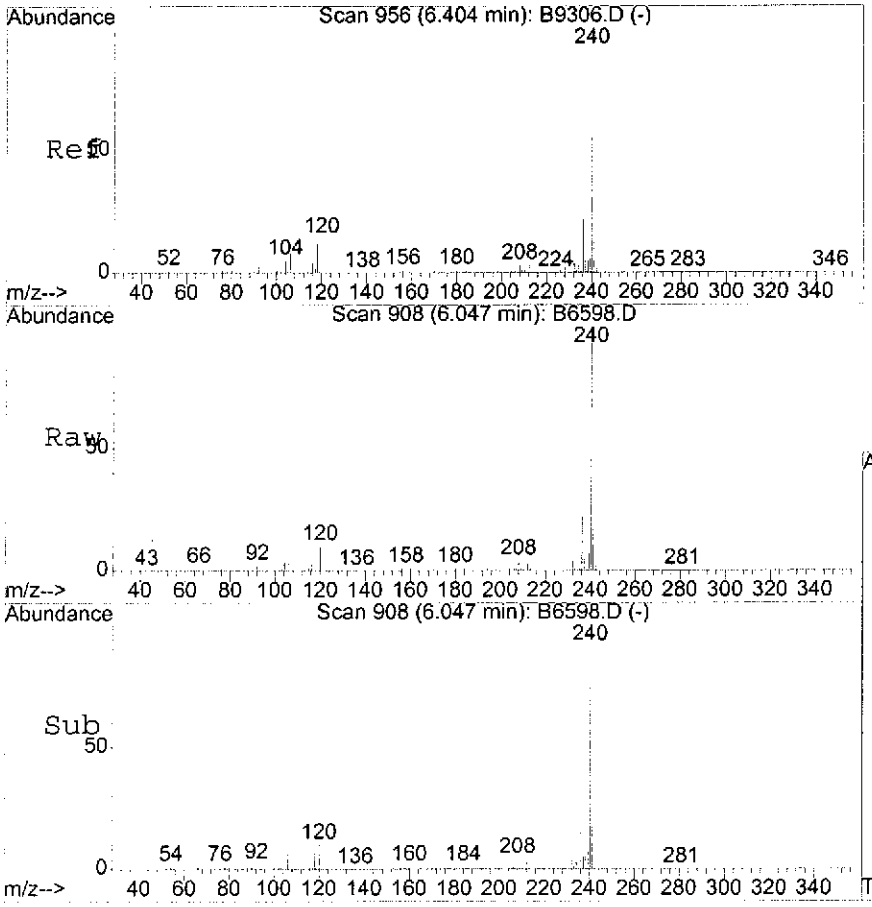


#79
Fluoranthene
Concen: 4.47 UG
RT: 5.02 min Scan# 715
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:202 Resp: 20482

Ion	Ratio	Lower	Upper
202	100		
101	10.4	11.7	17.5#

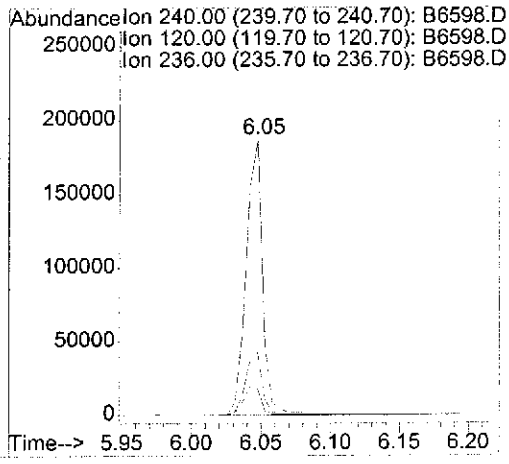


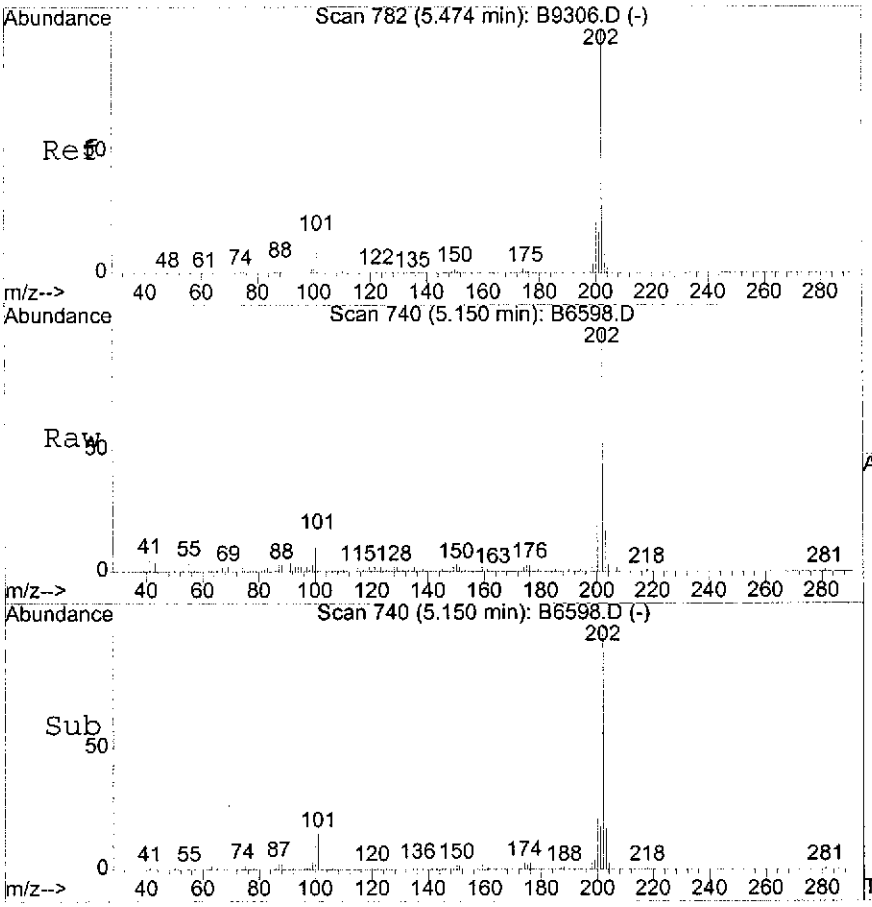


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.05 min Scan# 908
Delta R.T. -0.03 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:240 Resp: 154028

Ion	Ratio	Lower	Upper
240	100		
120	11.1	11.7	17.5#
236	23.1	19.2	28.8

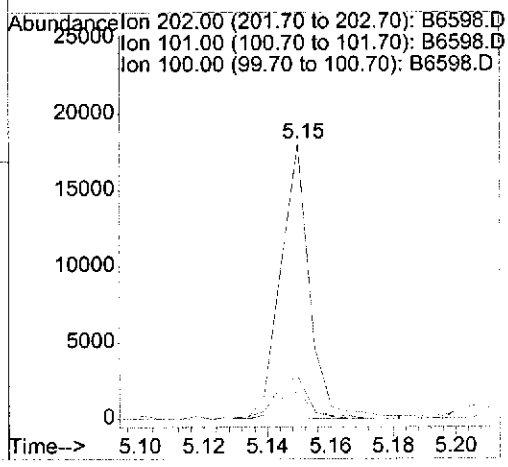


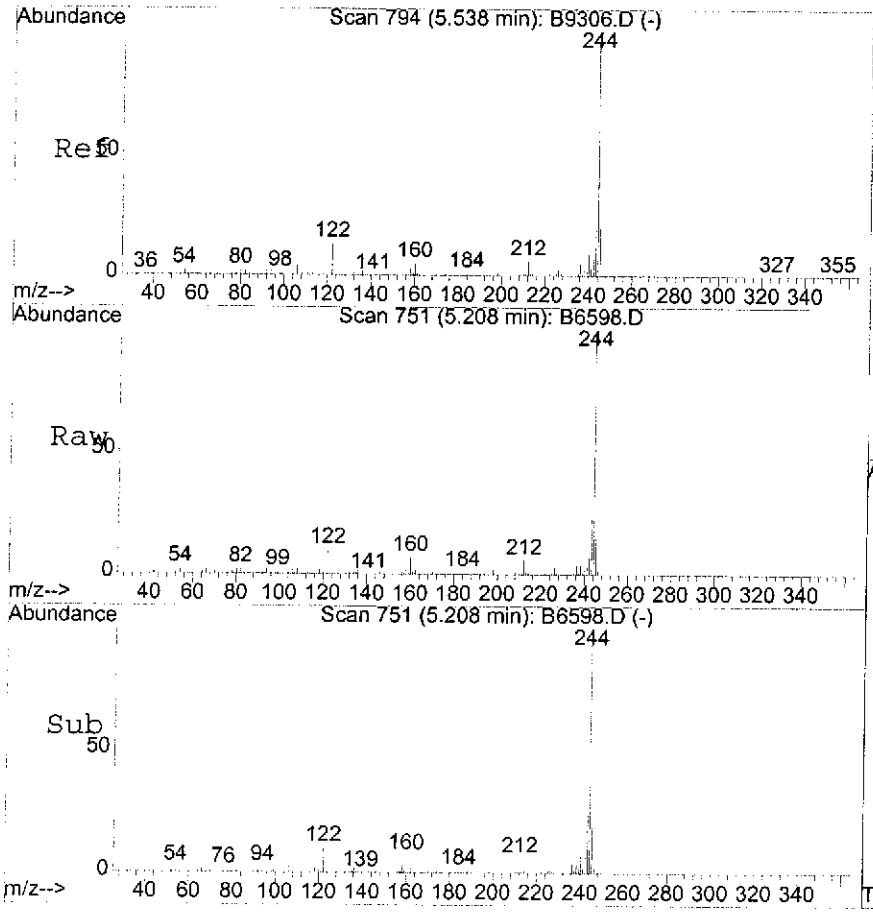


#83
Pyrene
Concen: 2.34 UG
RT: 5.15 min Scan# 740
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:202 Resp: 11607

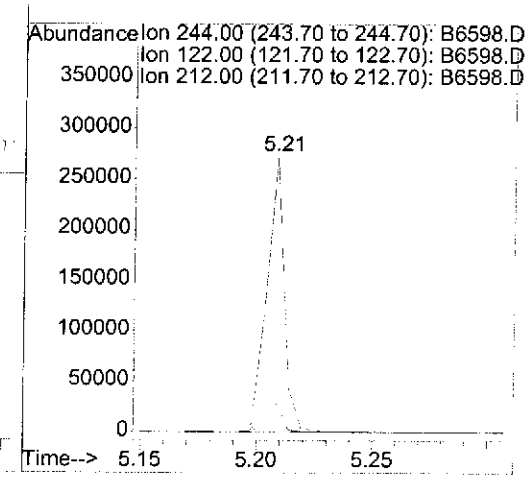
Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.0	21.0
100	10.8	10.9	16.3#

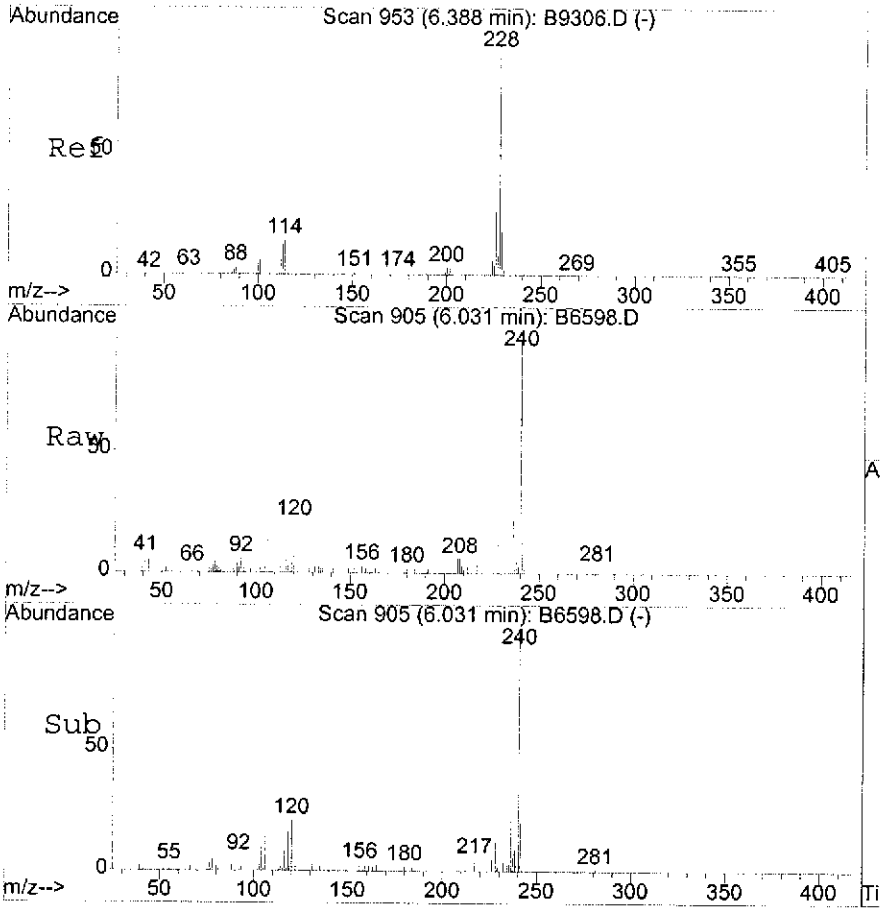




#84
Terphenyl-d14
Concen: 38.96 UG
RT: 5.21 min Scan# 751
Delta R.T. -0.02 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

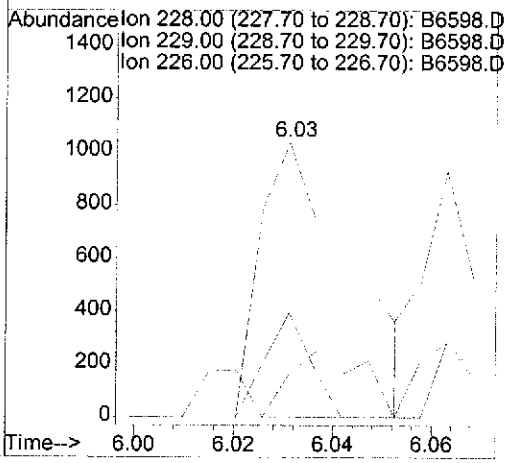
Tgt Ion:244	Resp:	144636	
Ion	Ratio	Lower	Upper
244	100		
122	11.7	11.0	16.4
212	5.9	4.4	6.6

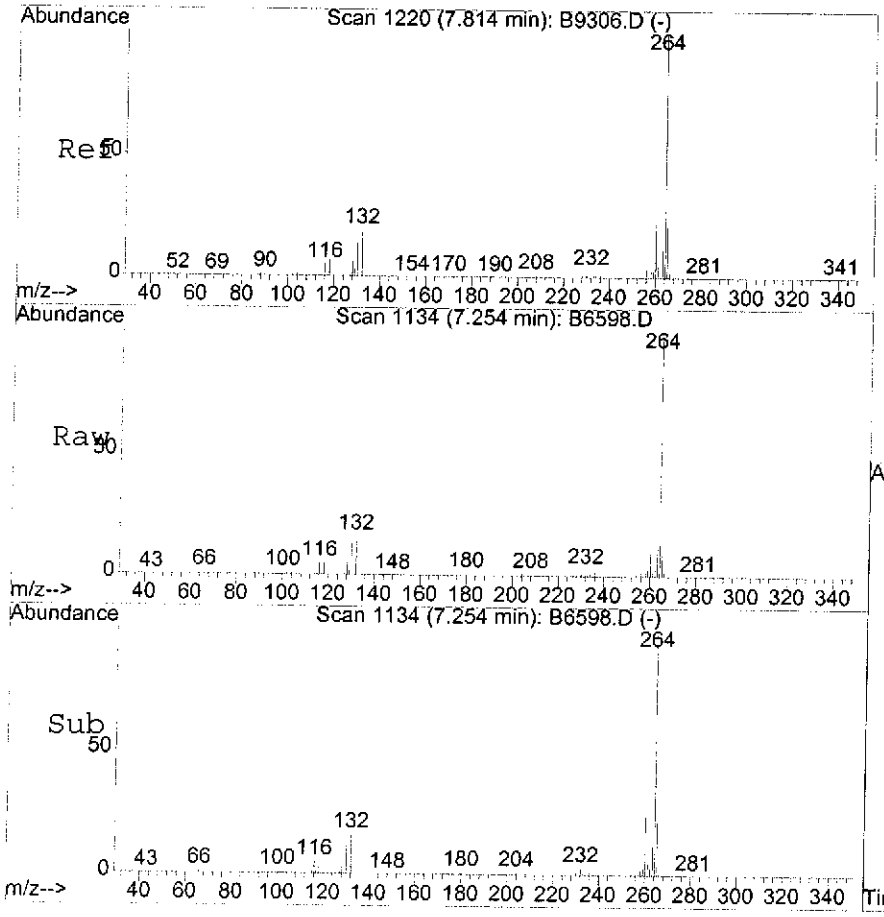




#88
Benzo[a]anthracene
Concen: 0.33 UG
RT: 6.03 min Scan# 905
Delta R.T. -0.03 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:228	Resp:	1297	
Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.6	23.4
226	19.1	21.2	31.8#

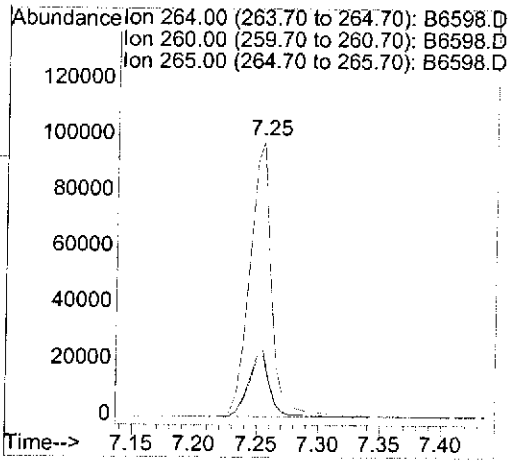




#92
Perylene-d12
Concen: 40.00 UG
RT: 7.25 min Scan# 1134
Delta R.T. -0.04 min
Lab File: B6598.D
Acq: 11 Apr 2008 18:55

Tgt Ion:264 Resp: 122322

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.8	26.8
265	21.5	17.3	25.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6599.D Vial: 33
Acq On : 11 Apr 2008 19:10 Operator: JC
Sample : MW-4,03767-003,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 19:20:54 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

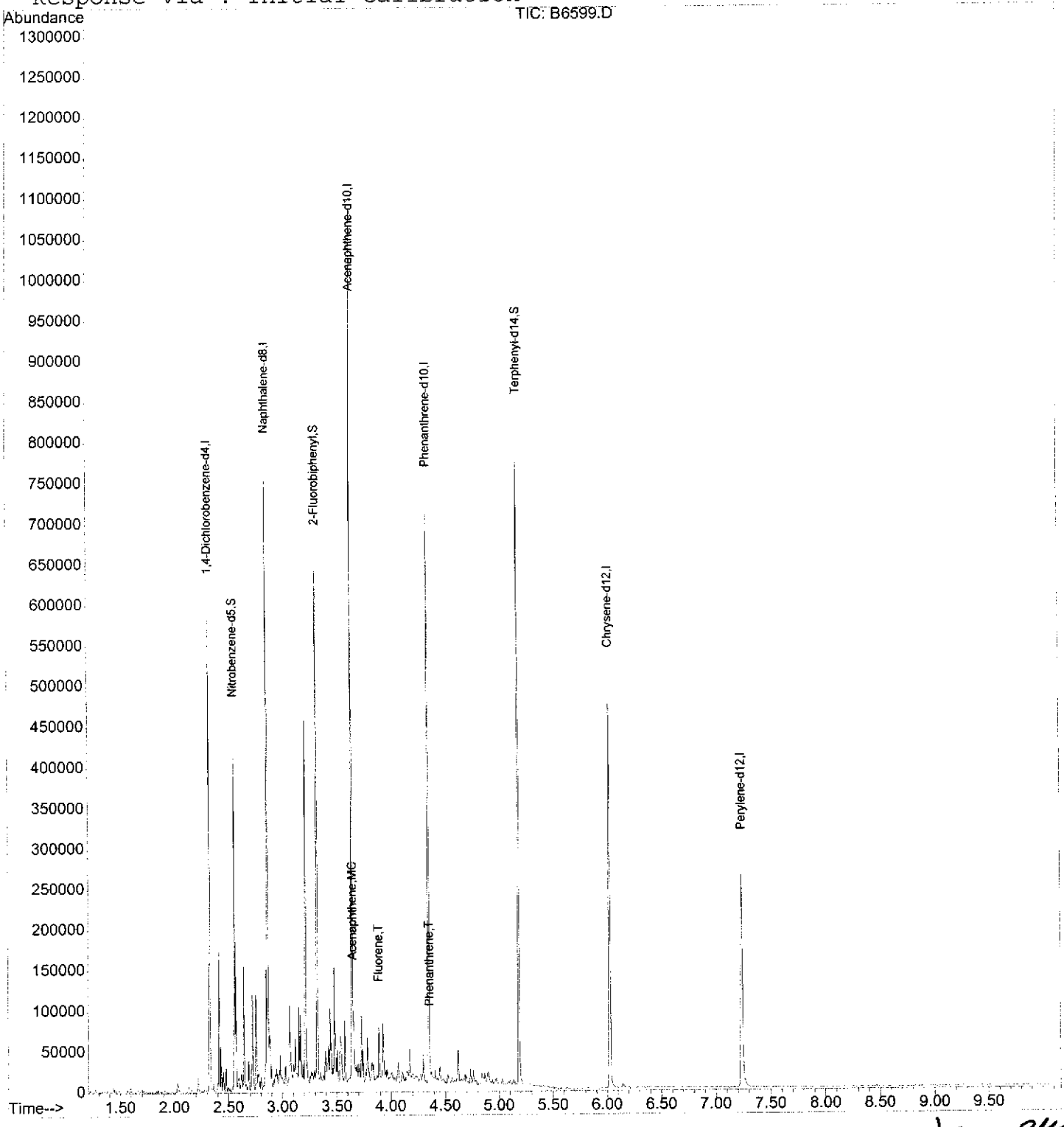
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	47847	40.00	UG	-0.01
23) Naphthalene-d8	2.86	136	183866	40.00	UG	-0.02
43) Acenaphthene-d10	3.64	164	112443	40.00	UG	-0.02
66) Phenanthrene-d10	4.35	188	198923	40.00	UG	-0.03
82) Chrysene-d12	6.03	240	155565	40.00	UG	-0.05
92) Perylene-d12	7.24	264	129559	40.00	UG	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.56	82	64126	33.19	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 66.38%			
47) 2-Fluorobiphenyl	3.32	172	141190	36.53	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 73.06%			
70) 2,4,6-Tribromophenol	0.00	330	0d	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.19	244	179174	47.79	UG	-0.04
Spiked Amount 50.000	Range 39 - 121		Recovery = 95.58%			
Target Compounds						Qvalue
55) Acenaphthene	3.65	153	11695	3.41	UG	87
61) Fluorene	3.89	166	8632	2.27	UG #	96
75) Phenanthrene	4.36	178	3107	0.62	UG #	80

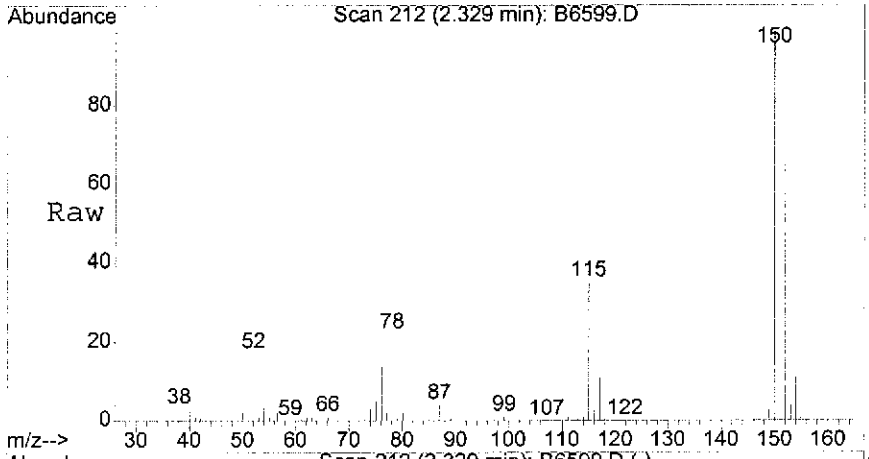
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6599.D Vial: 33
Acq On : 11 Apr 2008 19:10 Operator: JC
Sample : MW-4,03767-003,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:03 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

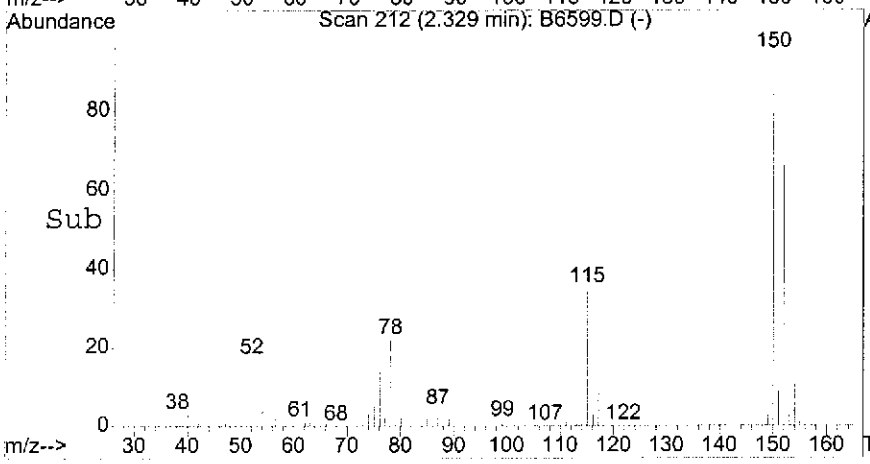


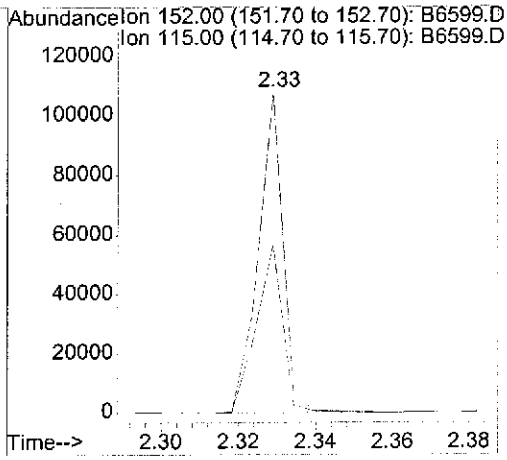


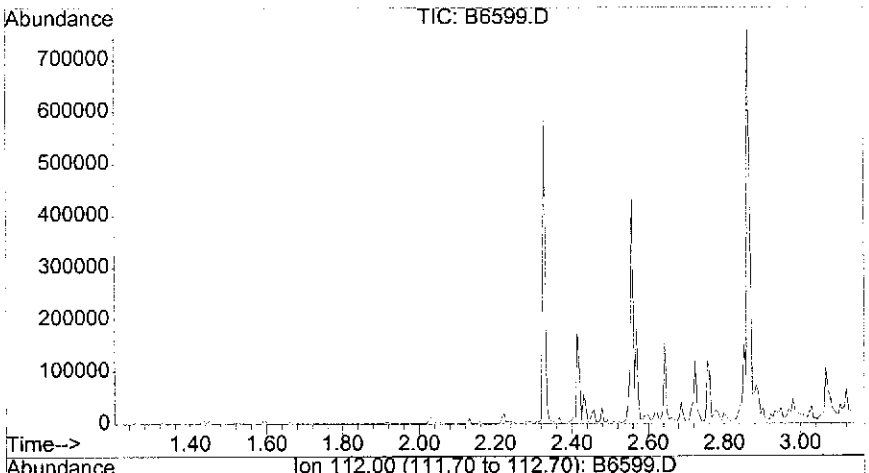
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:152 Resp: 47847

Ion	Ratio	Lower	Upper
152	100		
115	57.2	42.7	64.1





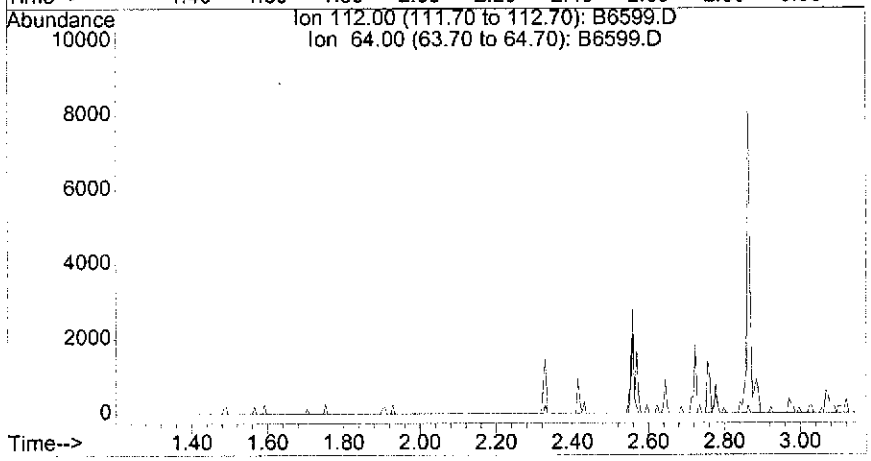


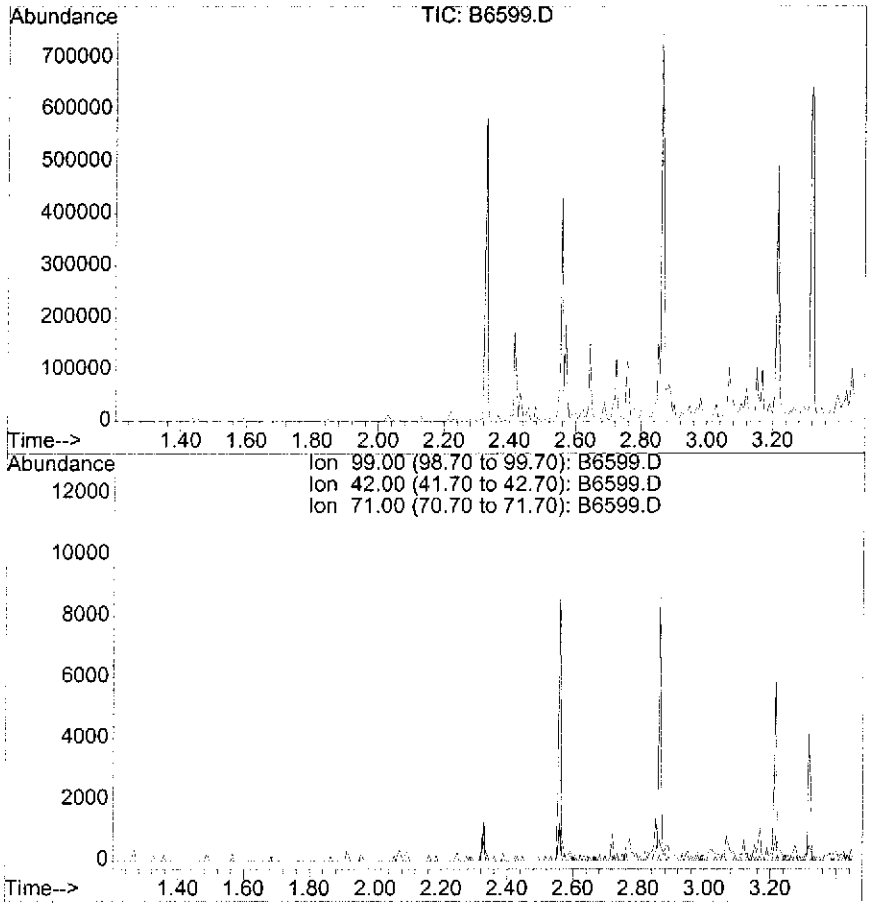
#4
2-Fluorophenol
Concen: 0.00 UG
Expected RT: 1.83 min

Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	46.5



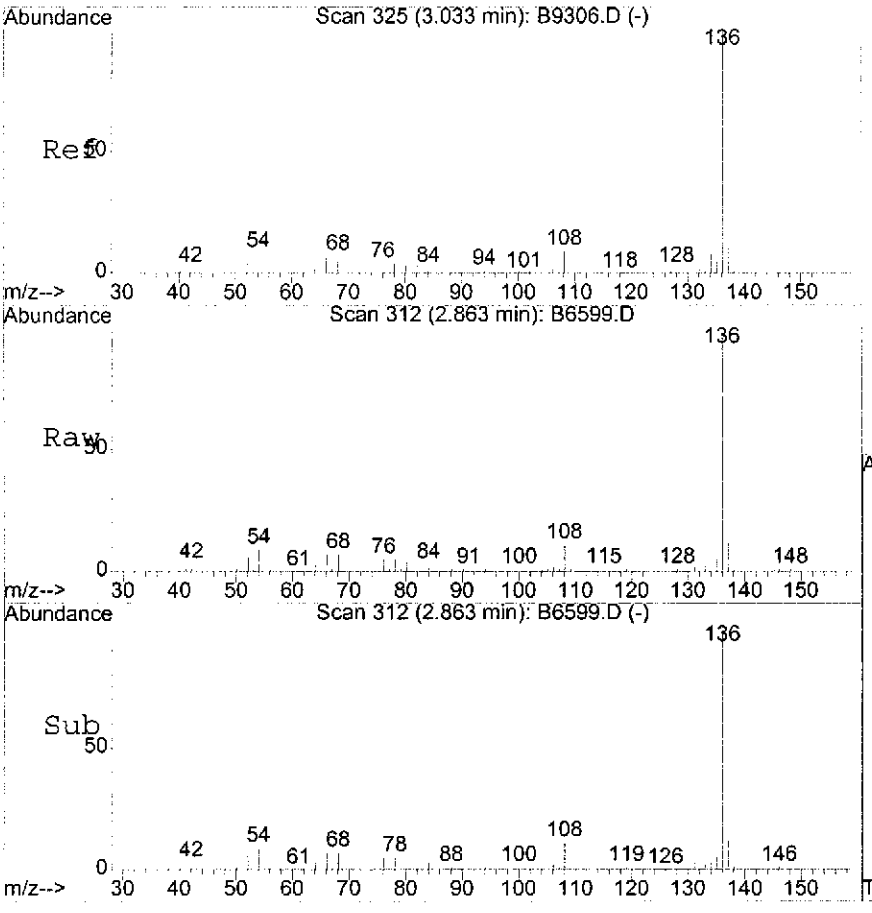


#6
Phenol-d5
Concen: 0.00 UG
Expected RT: 2.17 min

Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion: 99

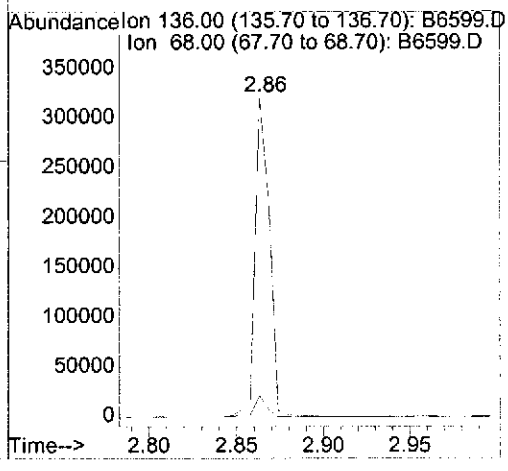
Sig	Exp Ratio
99	100
42	11.1
71	25.0

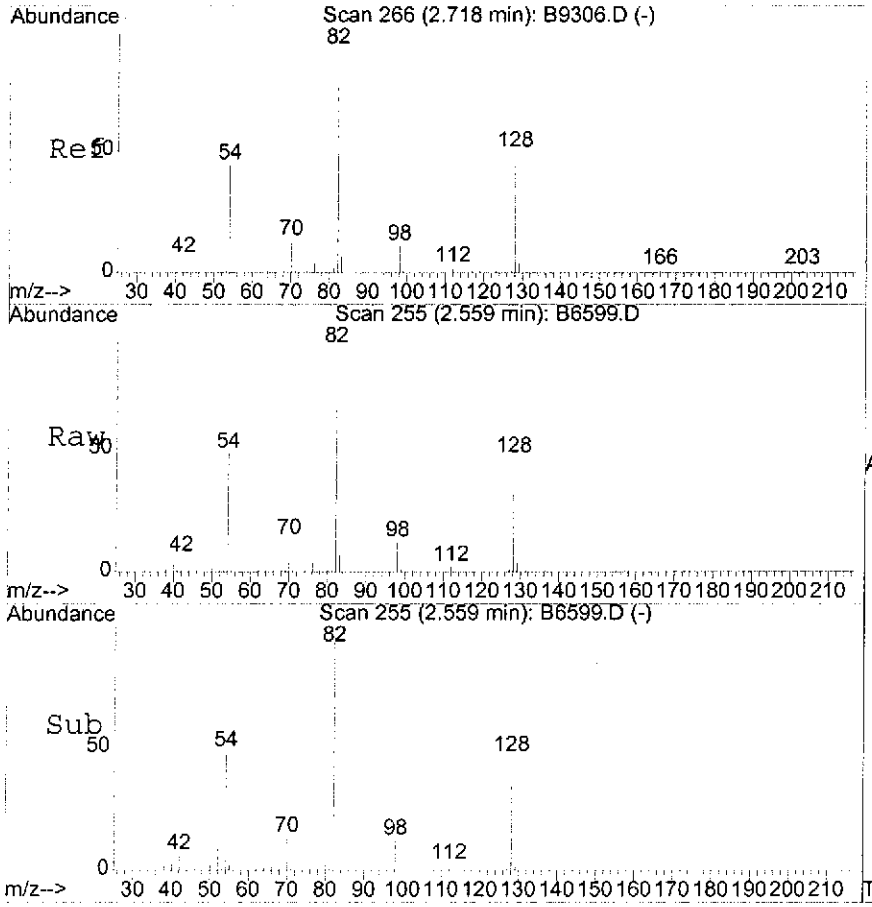


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.86 min Scan# 312
Delta R.T. -0.02 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:136 Resp: 183866

Ion	Ratio	Lower	Upper
136	100		
68	6.0	5.1	7.7

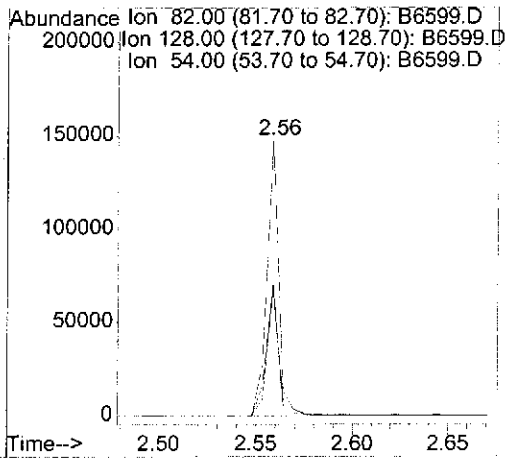


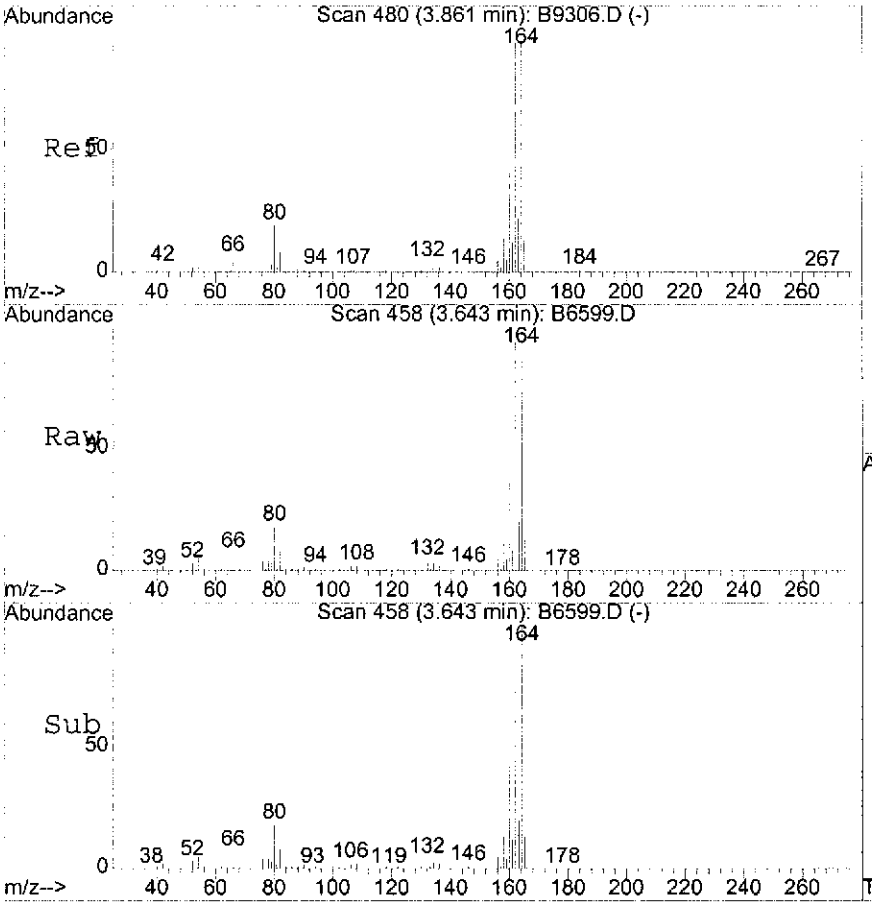


#24
Nitrobenzene-d5
Concen: 33.19 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion: 82 Resp: 64126

Ion	Ratio	Lower	Upper
82	100		
128	46.1	41.8	62.8
54	48.3	29.6	44.4#

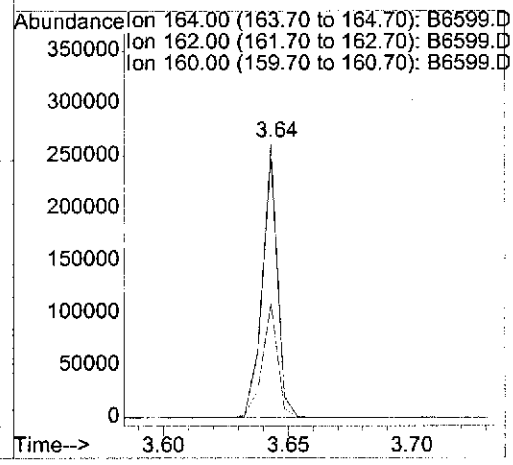


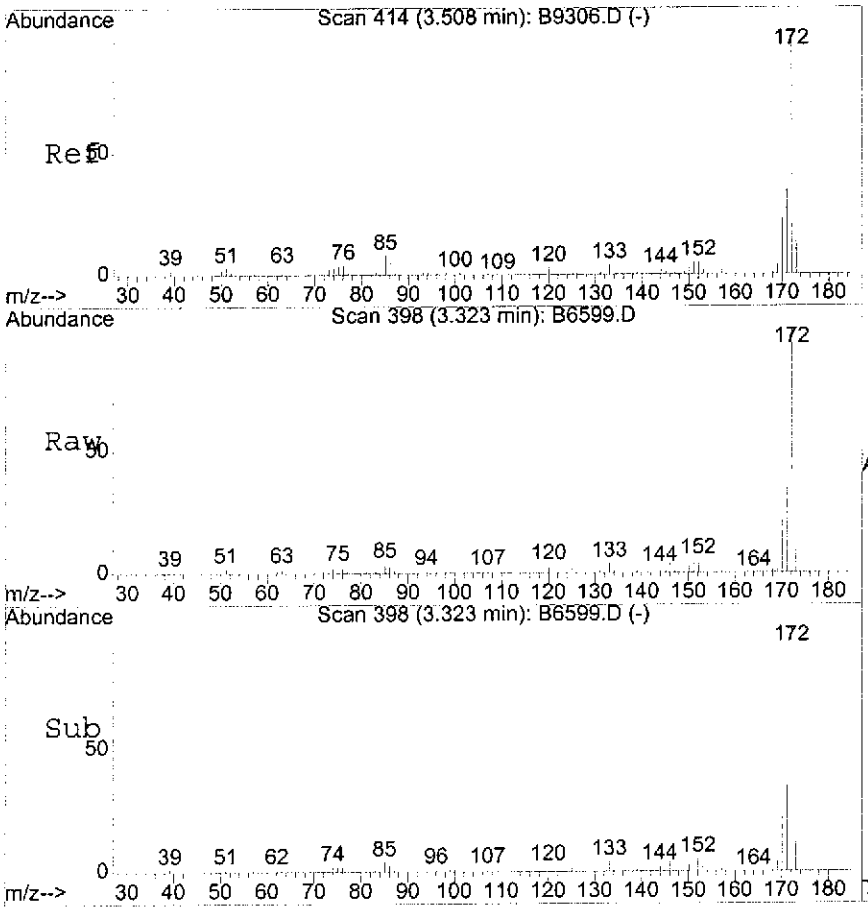


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.64 min Scan# 458
Delta R.T. -0.02 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:164 Resp: 112443

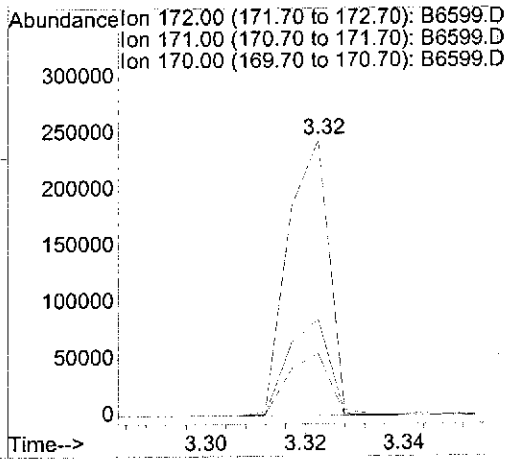
Ion	Ratio	Lower	Upper
164	100		
162	95.4	74.3	111.5
160	43.1	32.8	49.2

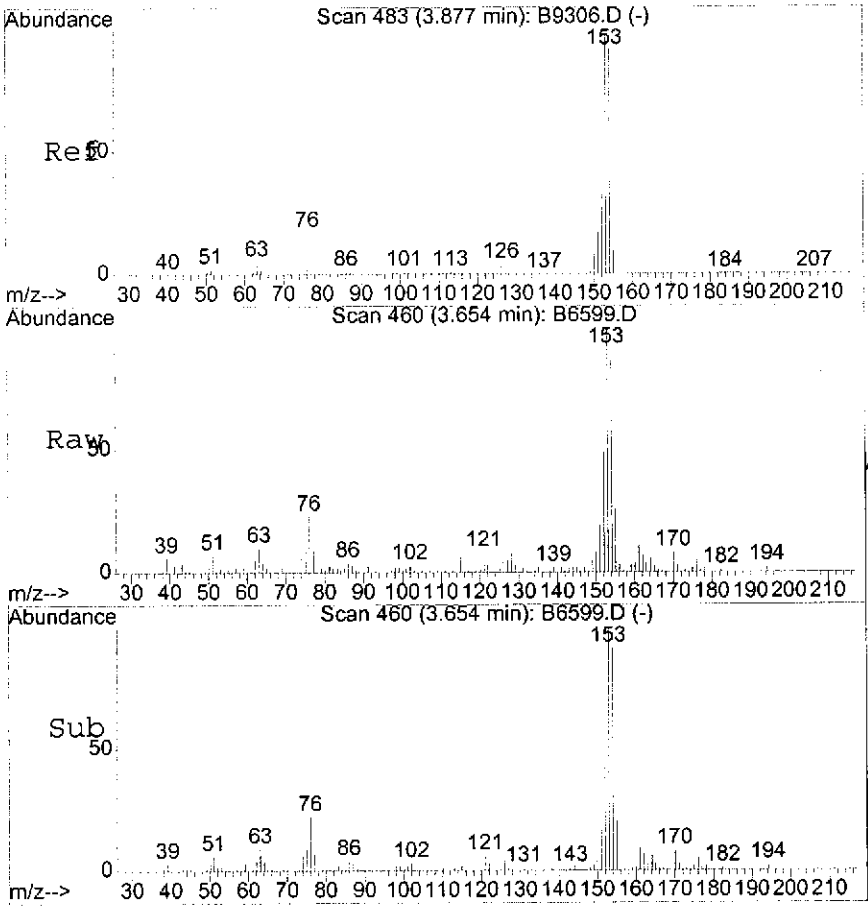




#47
2-Fluorobiphenyl
Concen: 36.53 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

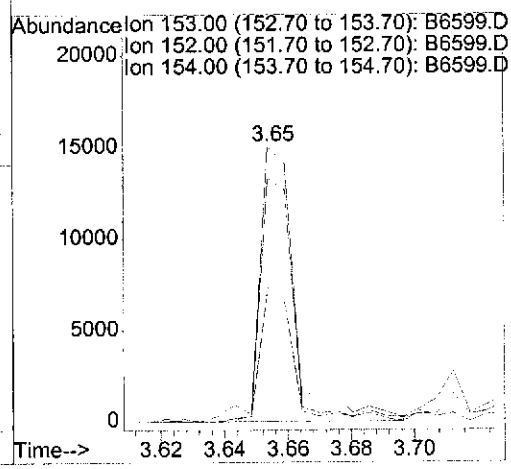
Tgt Ion:172	Resp:	141190	
Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	22.5	18.2	27.2

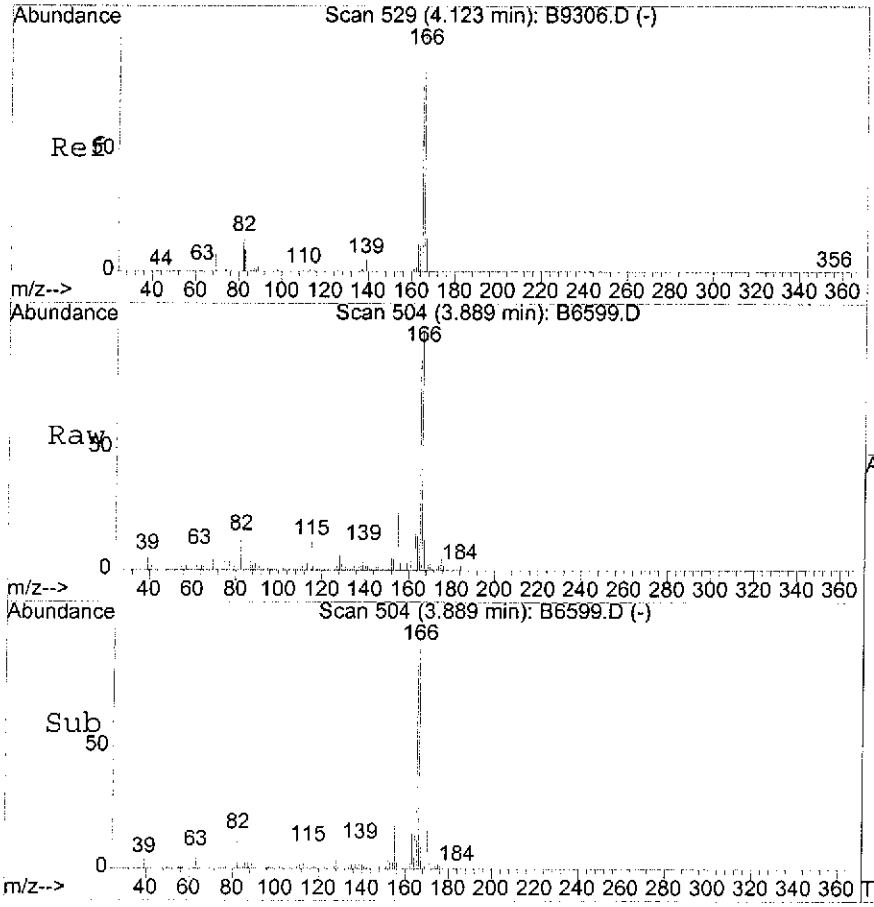




#55
Acenaphthene
Concen: 3.41 UG
RT: 3.65 min Scan# 460
Delta R.T. -0.03 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:153	Resp:	11695	
Ion	Ratio	Lower	Upper
153	100		
152	41.4	37.4	56.2
154	83.2	79.0	118.6

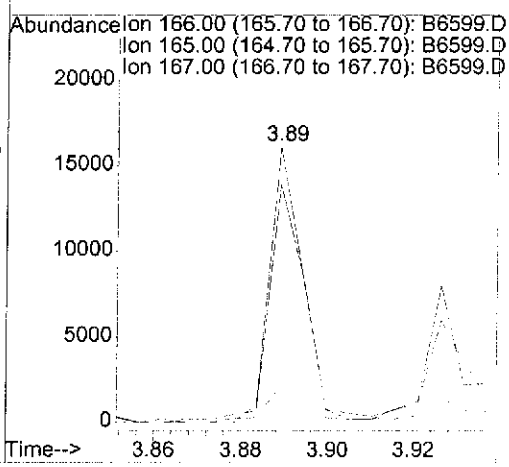


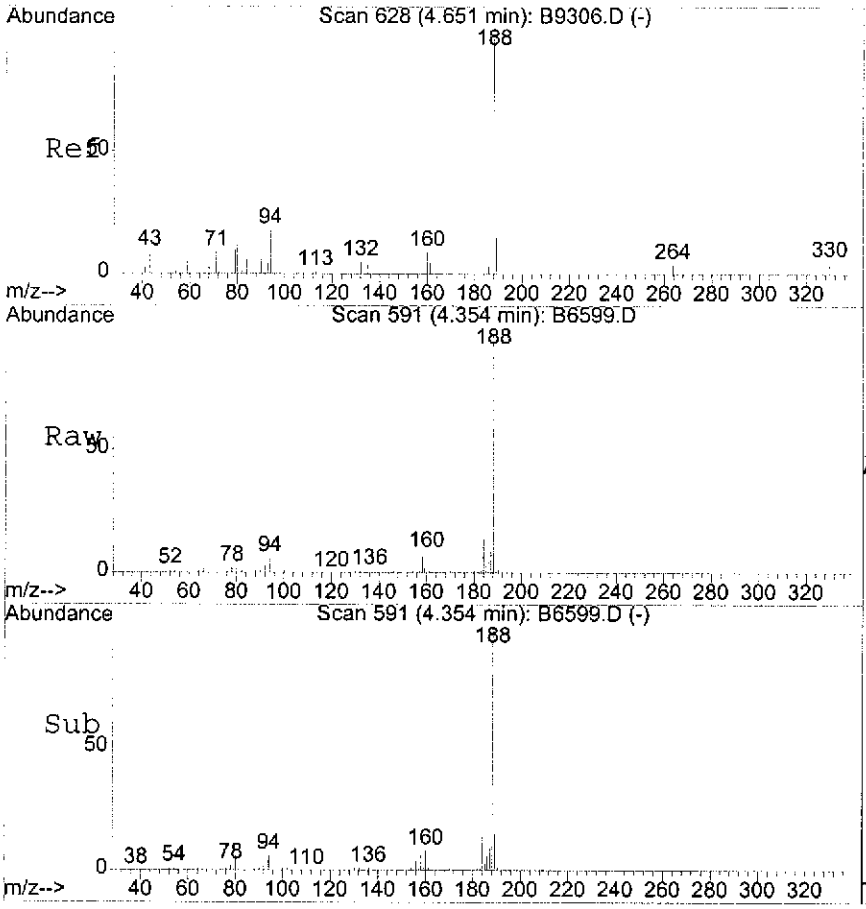


#61
Fluorene
Concen: 2.27 UG
RT: 3.89 min Scan# 504
Delta R.T. -0.03 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:166 Resp: 8632

Ion	Ratio	Lower	Upper
166	100		
165	94.8	73.5	110.3
167	16.8	10.9	16.3#

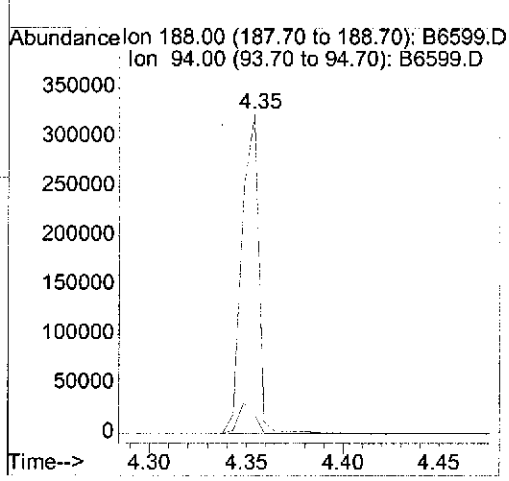


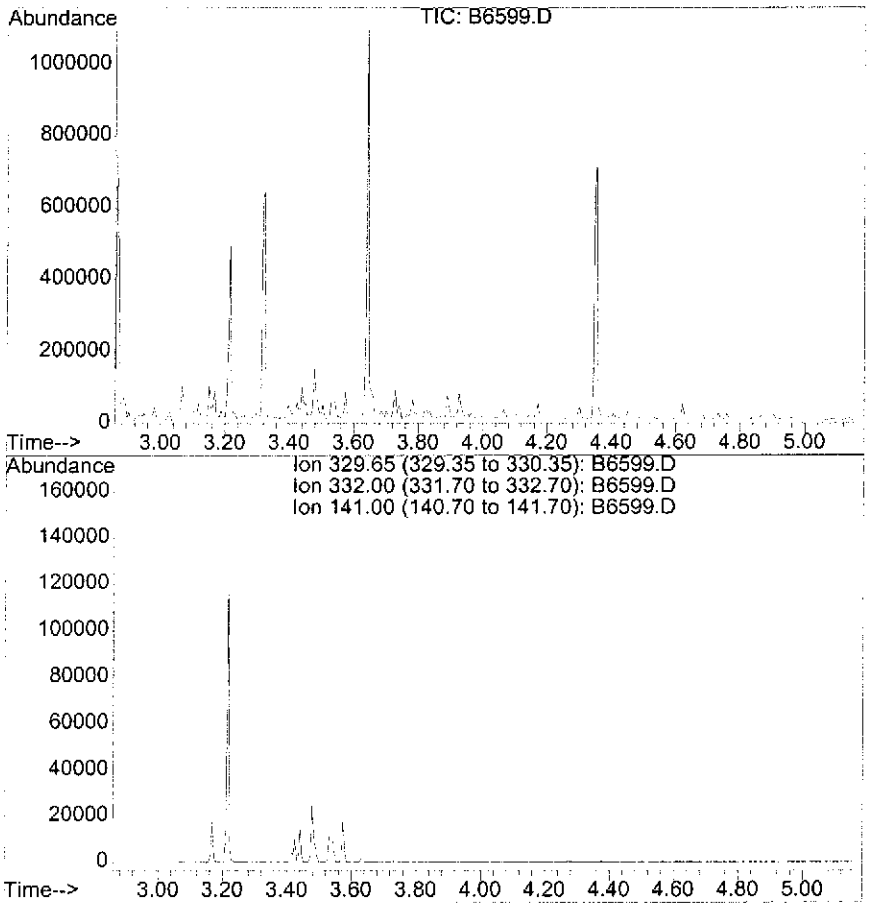


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.35 min Scan# 591
Delta R.T. -0.03 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:188 Resp: 198923

Ion	Ratio	Lower	Upper
188	100		
94	9.2	9.4	14.0#



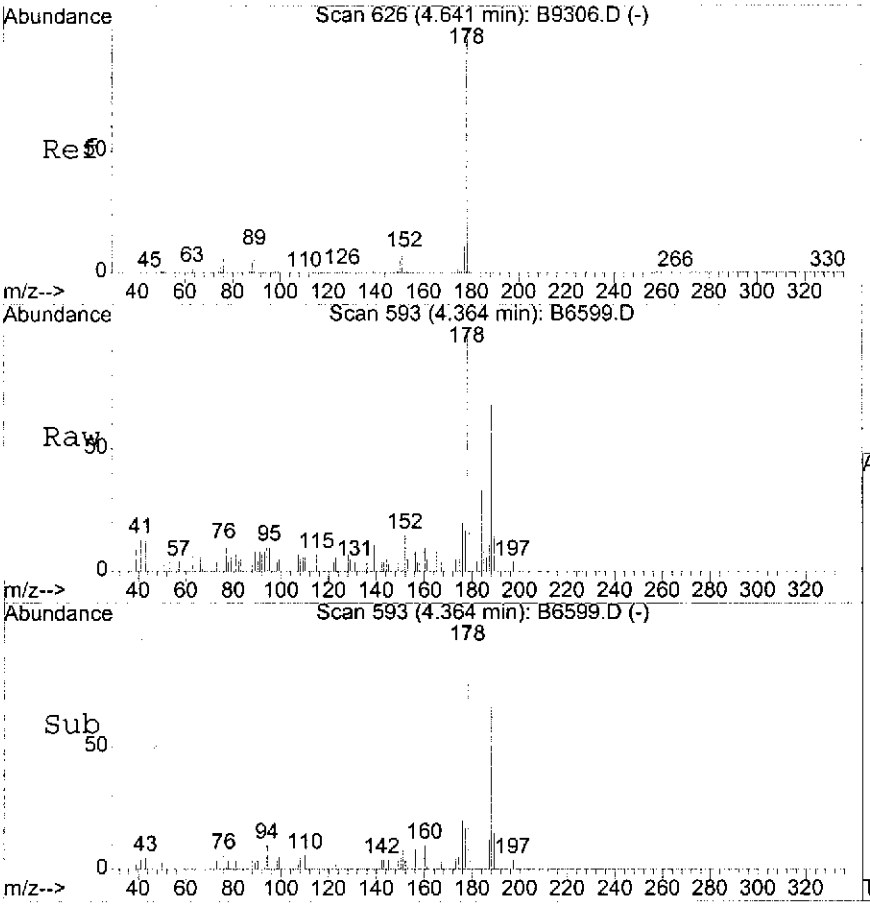


#70
2,4,6-Tribromophenol
Concen: 0.00 UG
Expected RT: 4.04 min

Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion: 330

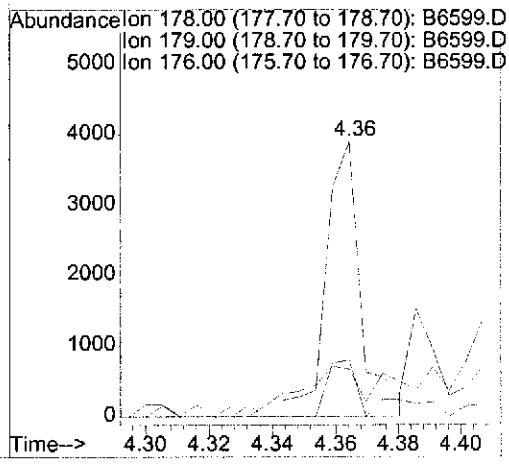
Sig	Exp Ratio
330	100
332	99.3
141	27.3

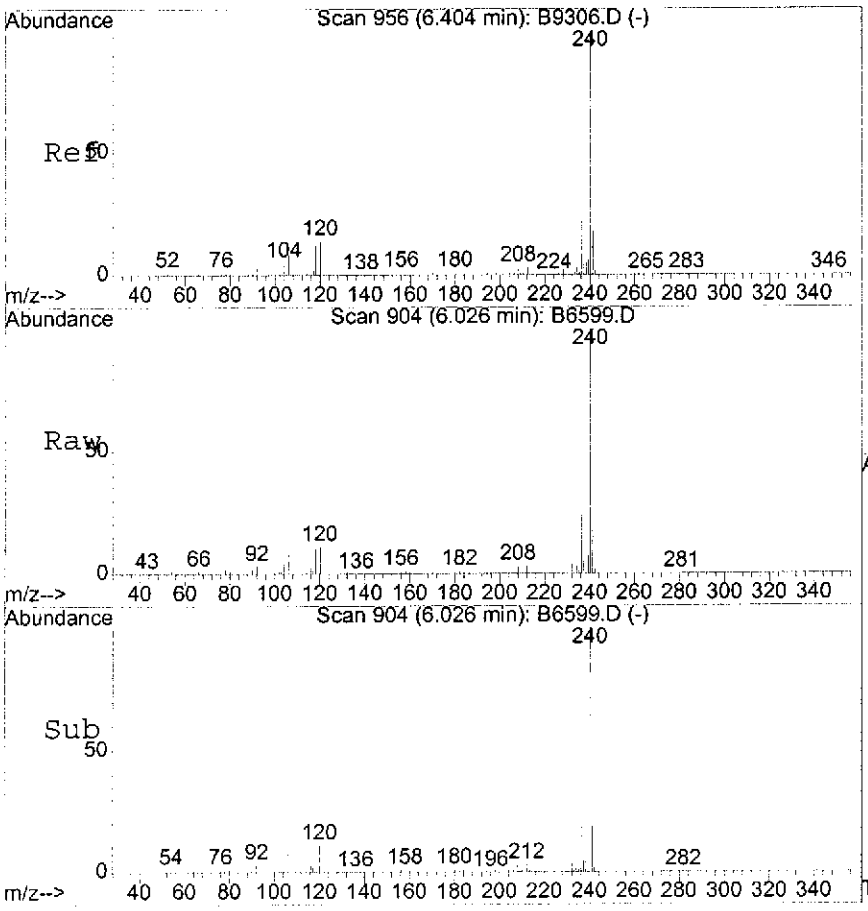


#75
Phenanthrene
Concen: 0.62 UG
RT: 4.36 min Scan# 593
Delta R.T. -0.03 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:178 Resp: 3107

Ion	Ratio	Lower	Upper
178	100		
179	31.0	12.2	18.2#
176	21.0	14.8	22.2

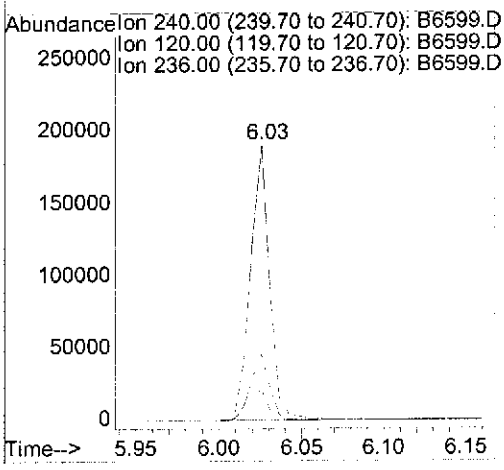


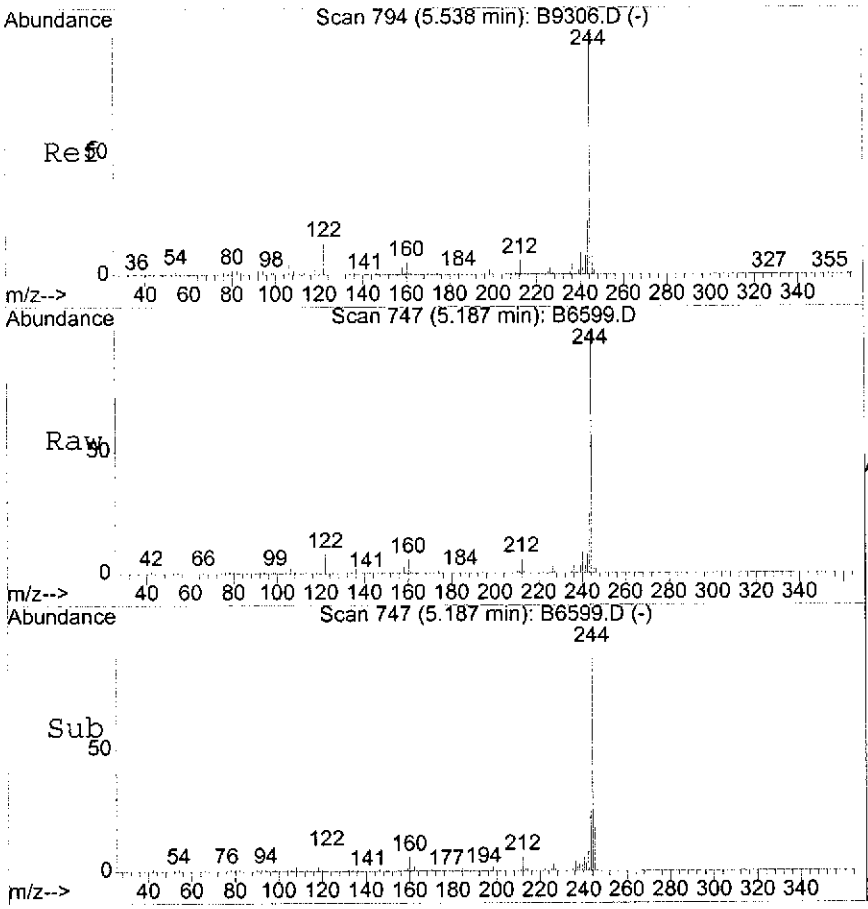


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.03 min Scan# 904
Delta R.T. -0.05 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:240 Resp: 155565

Ion	Ratio	Lower	Upper
240	100		
120	11.4	11.7	17.5#
236	23.9	19.2	28.8

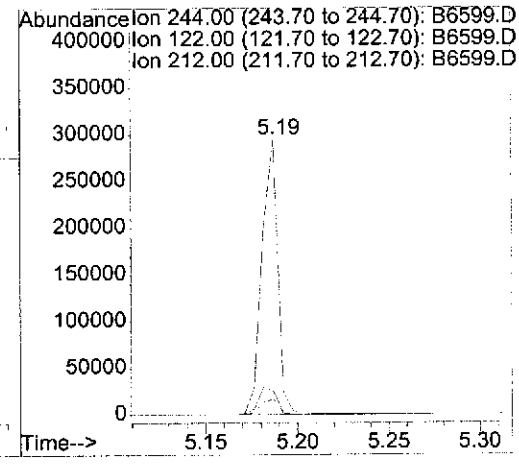


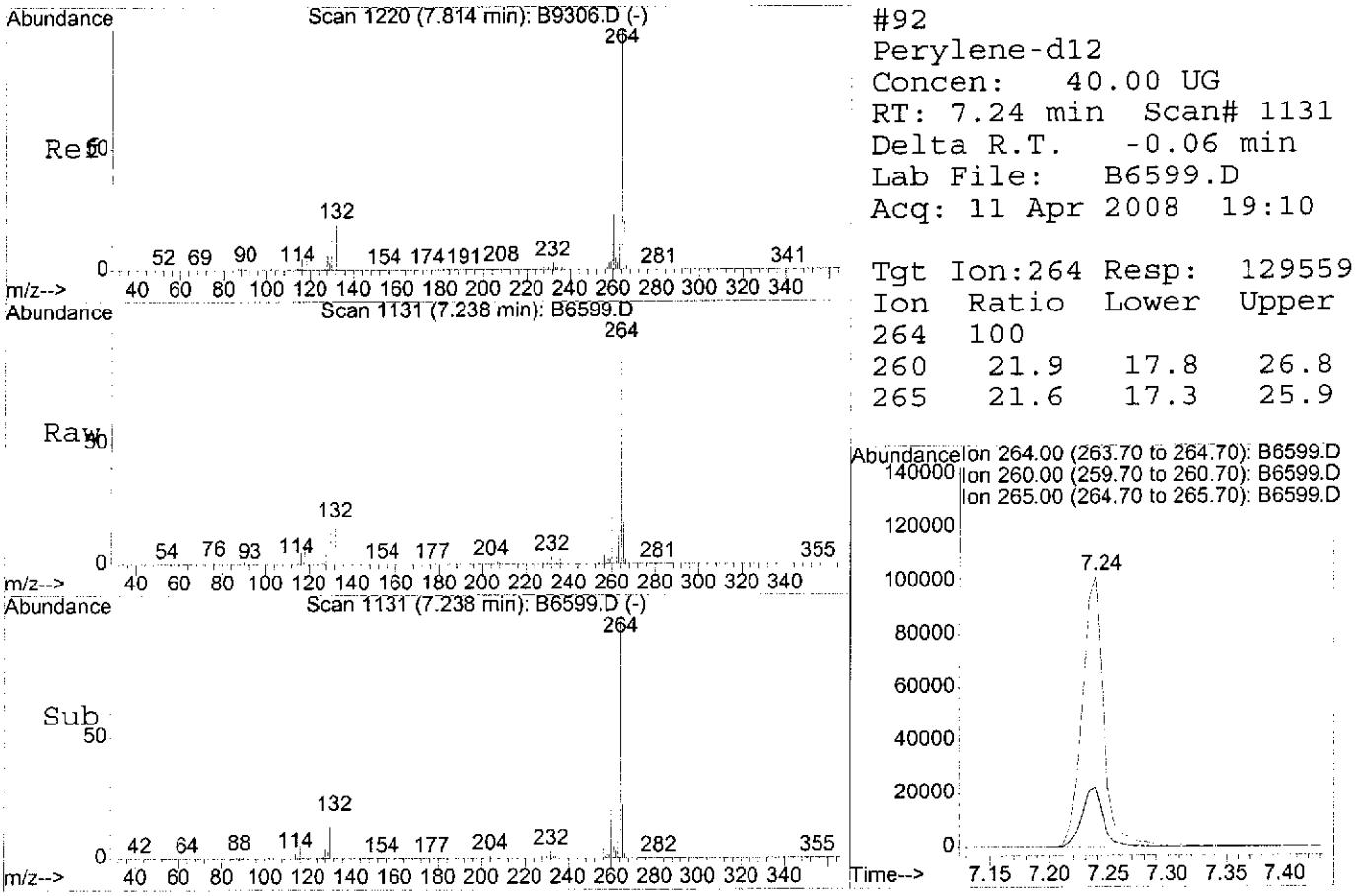


#84
Terphenyl-d14
Concen: 47.79 UG
RT: 5.19 min Scan# 747
Delta R.T. -0.04 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:244 Resp: 179174

Ion	Ratio	Lower	Upper
244	100		
122	11.3	11.0	16.4
212	6.1	4.4	6.6





#92
Perylene-d12
Concen: 40.00 UG
RT: 7.24 min Scan# 1131
Delta R.T. -0.06 min
Lab File: B6599.D
Acq: 11 Apr 2008 19:10

Tgt Ion:264	Resp:	129559	
Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.8	26.8
265	21.6	17.3	25.9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6600.D Vial: 34
Acq On : 11 Apr 2008 19:26 Operator: JC
Sample : MW-3,03767-004,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 19:36:17 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

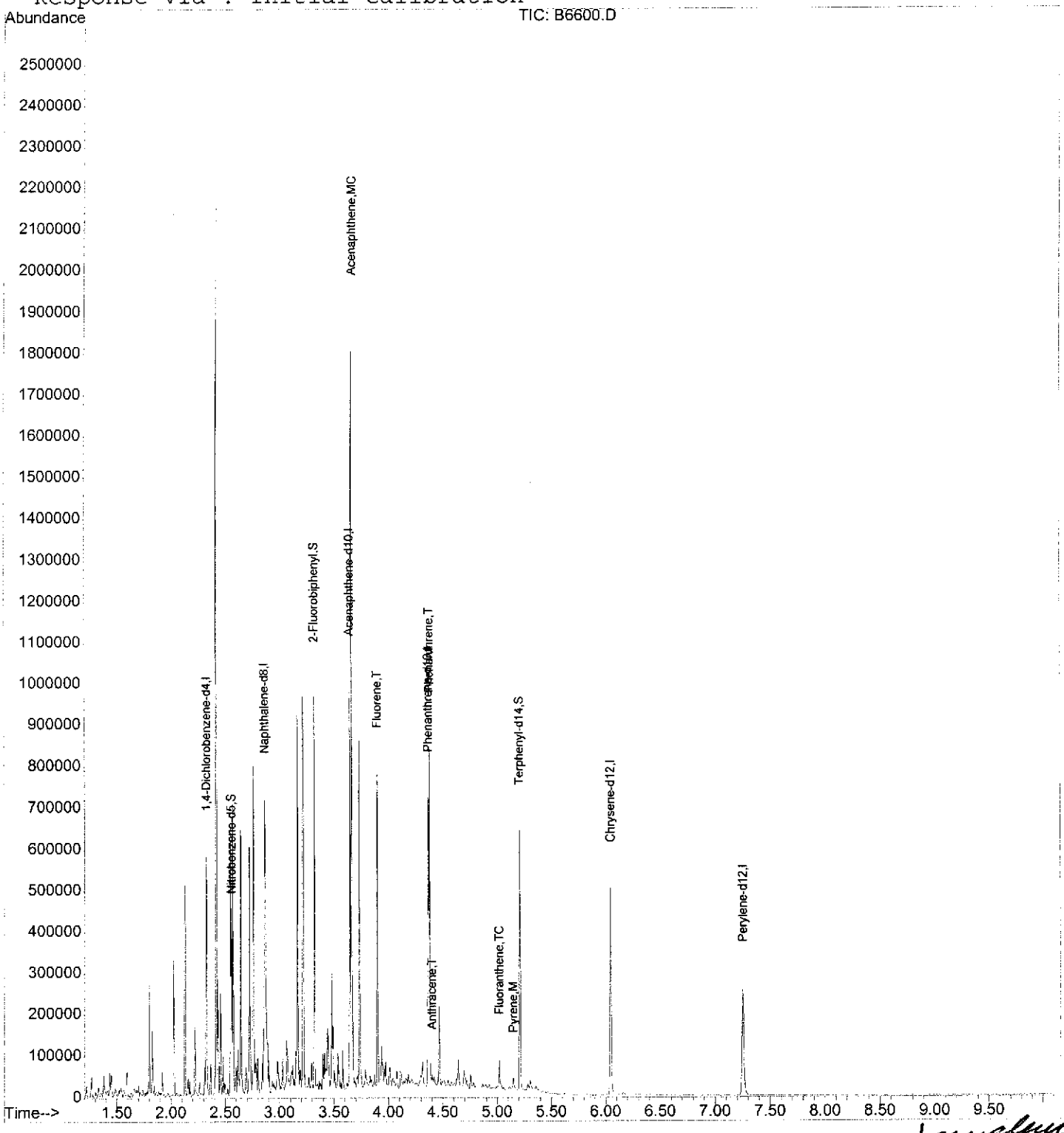
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	46658	40.00	UG	-0.01
23) Naphthalene-d8	2.87	136	176735	40.00	UG	-0.01
43) Acenaphthene-d10	3.65	164	102175	40.00	UG	-0.02
66) Phenanthrene-d10	4.37	188	184135	40.00	UG	-0.02
82) Chrysene-d12	6.05	240	147518	40.00	UG	-0.03
92) Perylene-d12	7.25	264	121197	40.00	UG	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.56	82	53735	28.93	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 57.86%			
47) 2-Fluorobiphenyl	3.32	172	133325	37.96	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 75.92%			
70) 2,4,6-Tribromophenol	0.00	330	0d	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.21	244	146151	41.11	UG	-0.02
Spiked Amount 50.000	Range 39 - 121		Recovery = 82.22%			
Target Compounds						Qvalue
55) Acenaphthene	3.66	153	225823	72.44	UG	94
61) Fluorene	3.90	166	103938	30.13	UG	99
75) Phenanthrene	4.38	178	162820	34.92	UG	99
76) Anthracene	4.40	178	4506m	0.92	UG	
79) Fluoranthene	5.02	202	16058	3.56	UG	96
83) Pyrene	5.15	202	7564	1.59	UG #	95

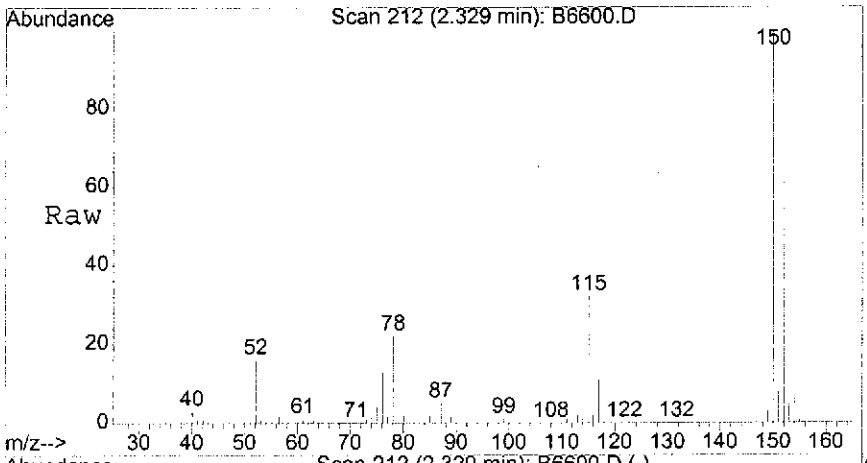
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6600.D Vial: 34
Acq On : 11 Apr 2008 19:26 Operator: JC
Sample : MW-3,03767-004,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:05 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

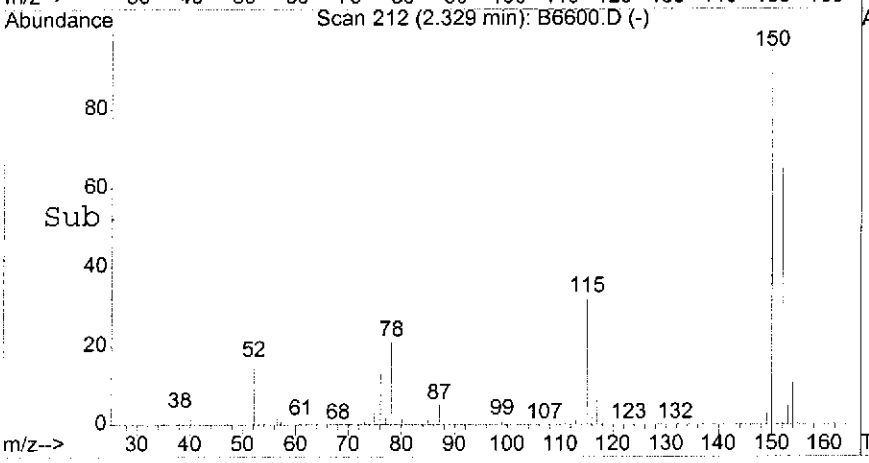


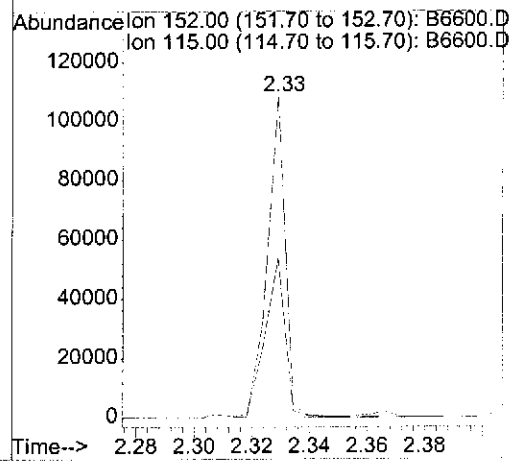


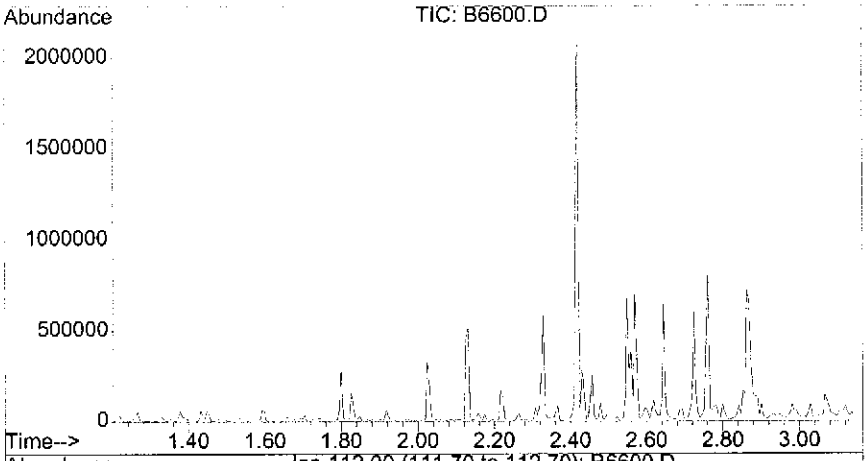
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:152 Resp: 46658

Ion	Ratio	Lower	Upper
152	100		
115	57.3	42.7	64.1





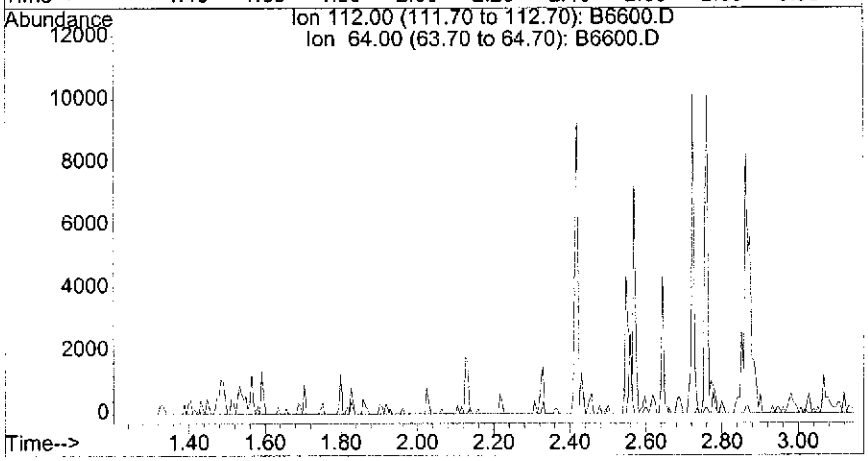


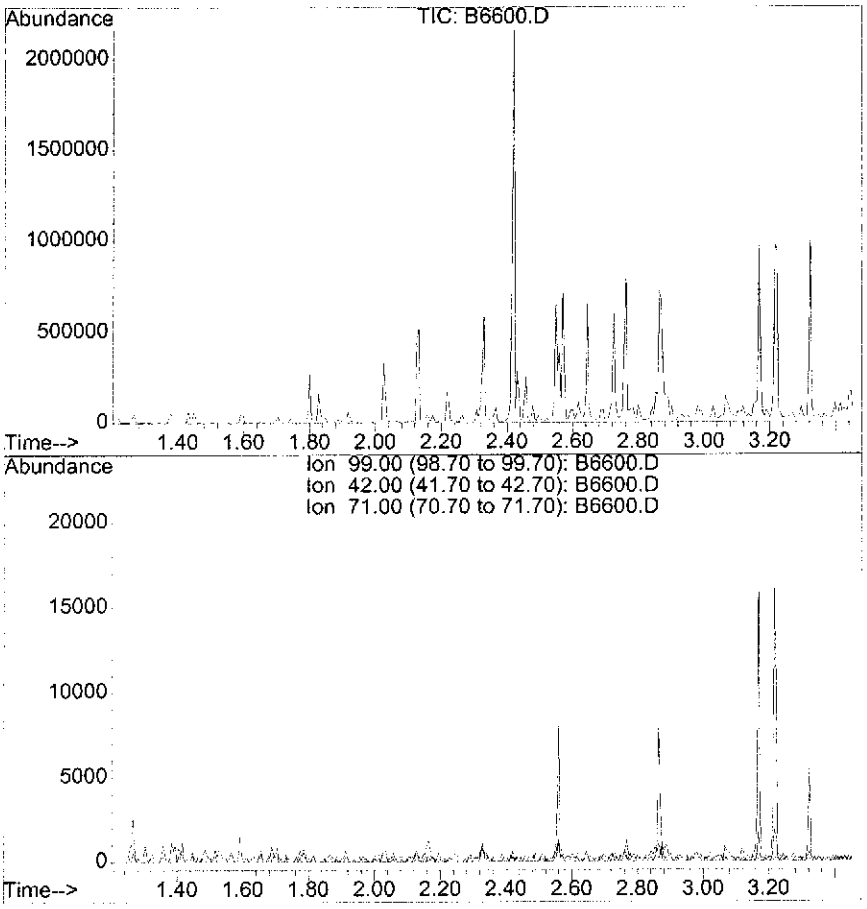
#4
2-Fluorophenol
Concen: 0.00 UG
Expected RT: 1.83 min

Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	46.5



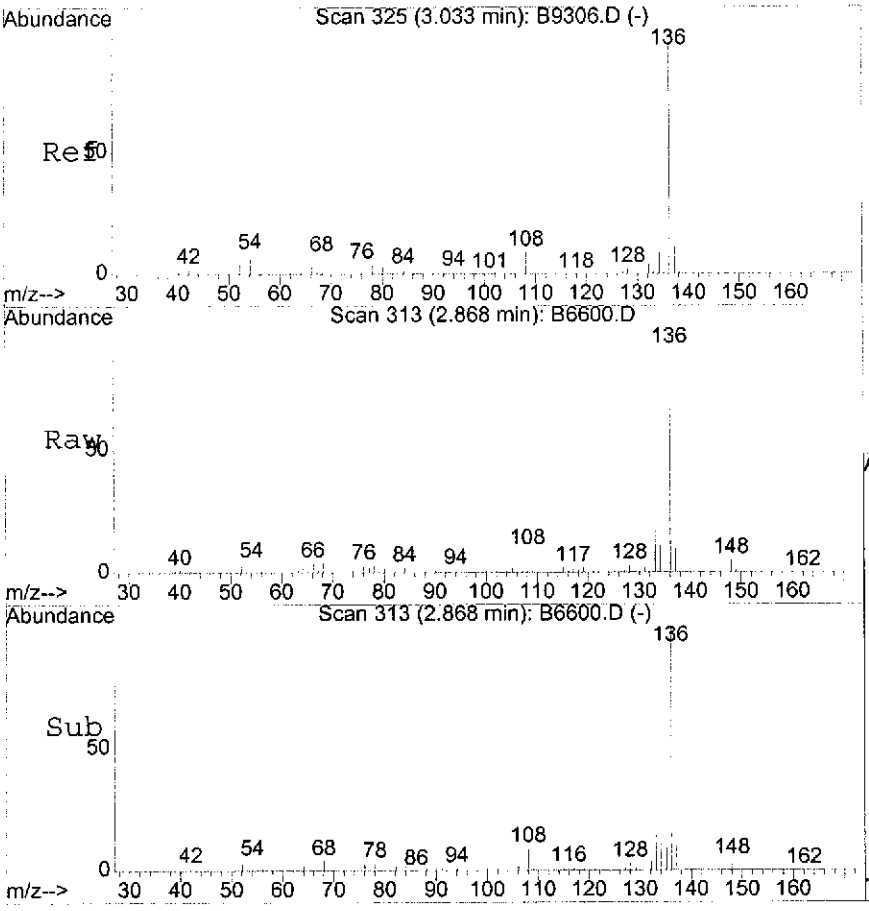


#6
Phenol-d5
Concen: 0.00 UG
Expected RT: 2.17 min

Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion: 99

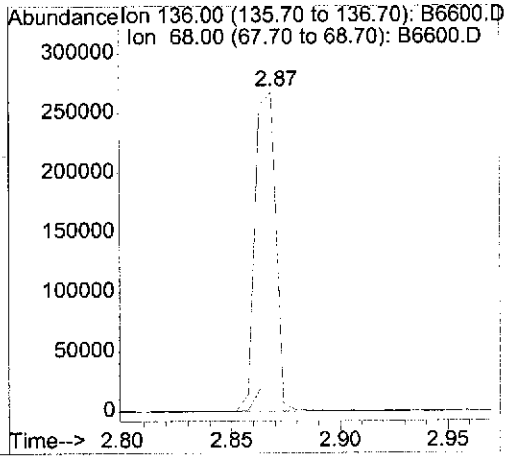
Sig	Exp Ratio
99	100
42	11.1
71	25.0

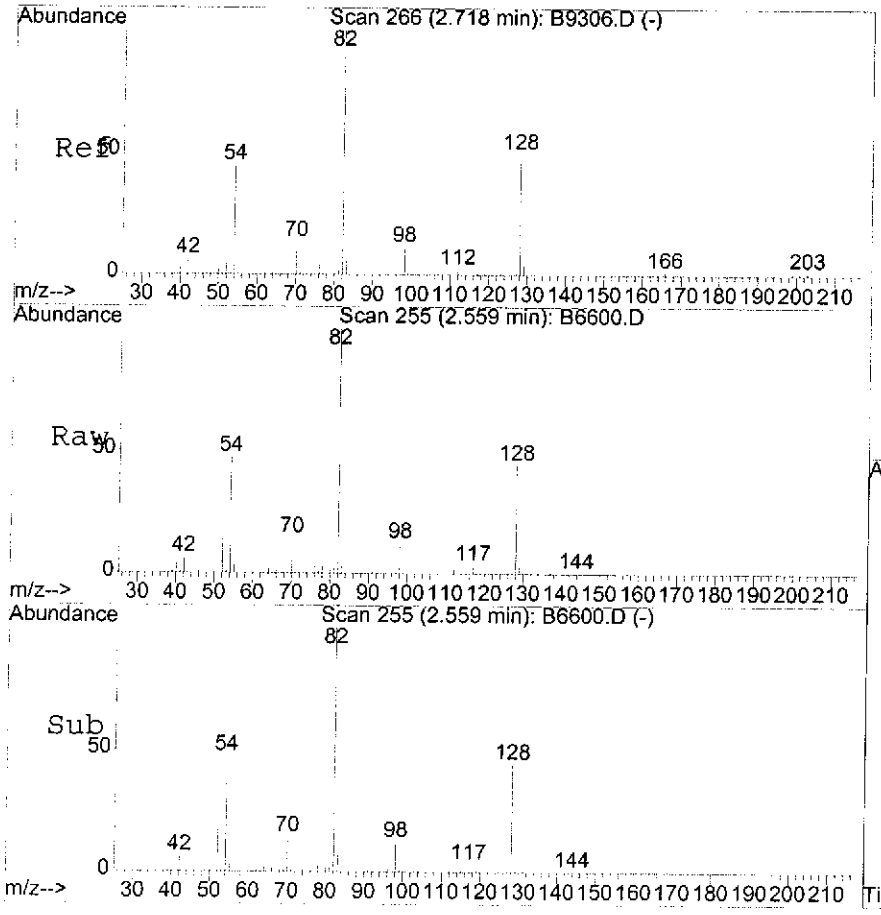


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.87 min Scan# 313
Delta R.T. -0.01 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:136 Resp: 176735

Ion	Ratio	Lower	Upper
136	100		
68	5.5	5.1	7.7

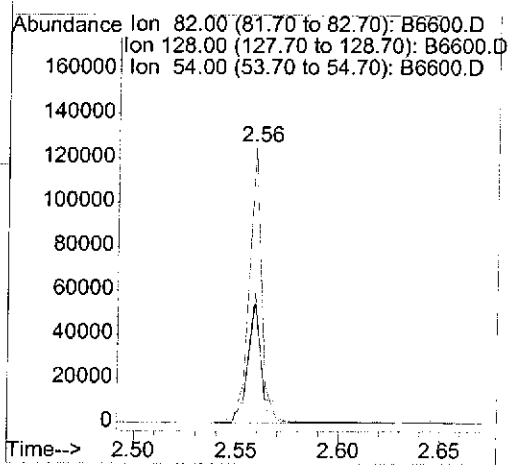


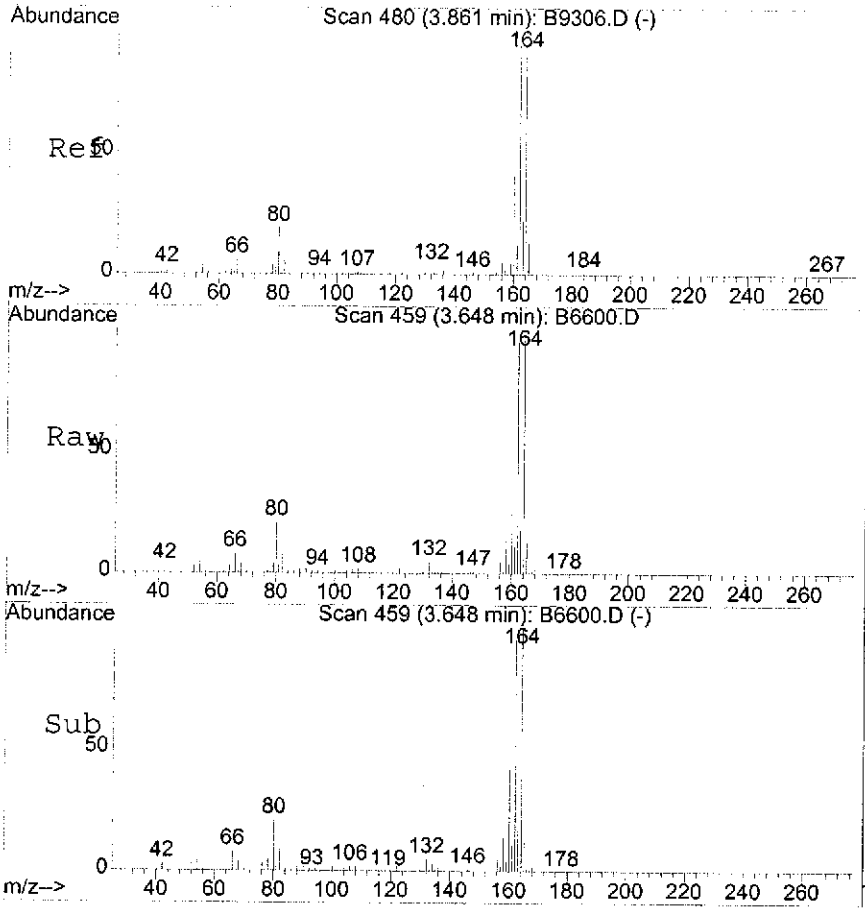


#24
Nitrobenzene-d5
Concen: 28.93 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion: 82 Resp: 53735

Ion	Ratio	Lower	Upper
82	100		
128	54.2	41.8	62.8
54	49.1	29.6	44.4#

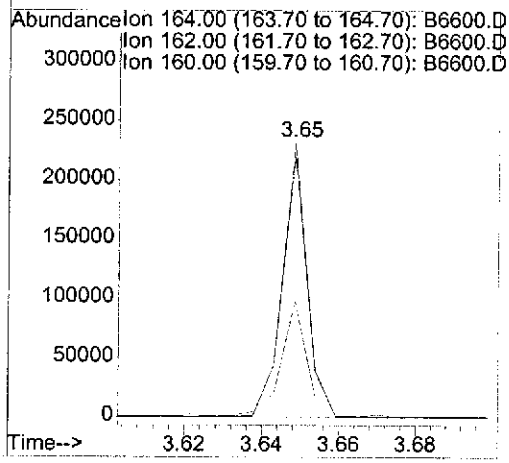


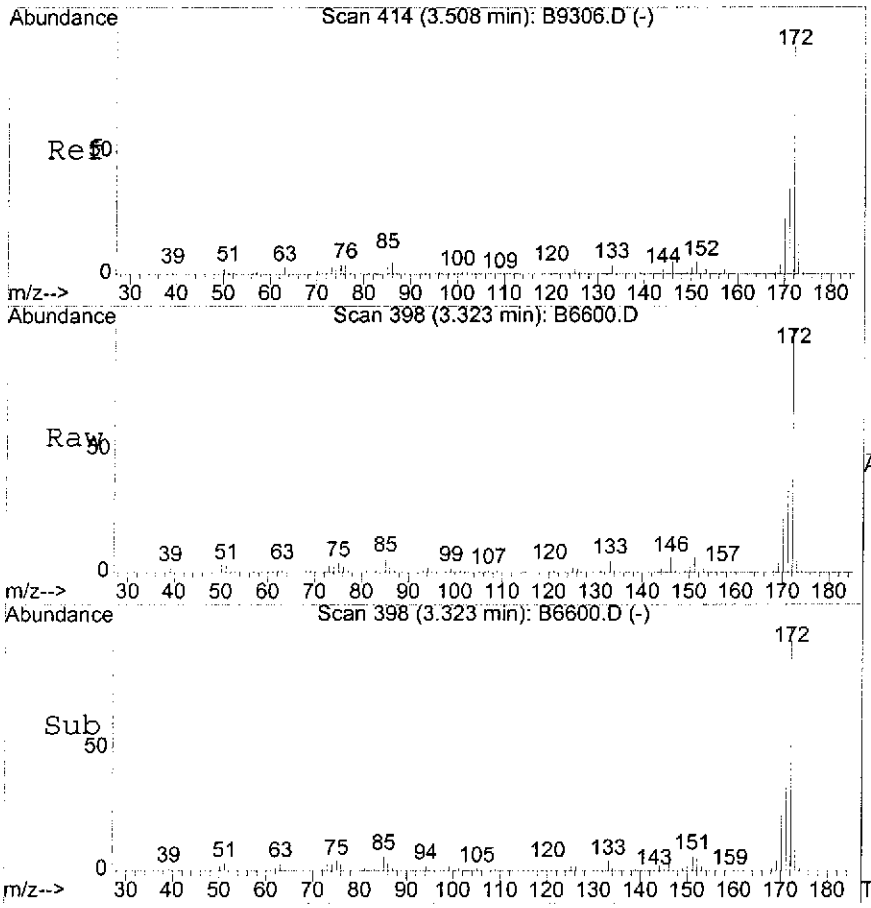


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.65 min Scan# 459
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:164 Resp: 102175

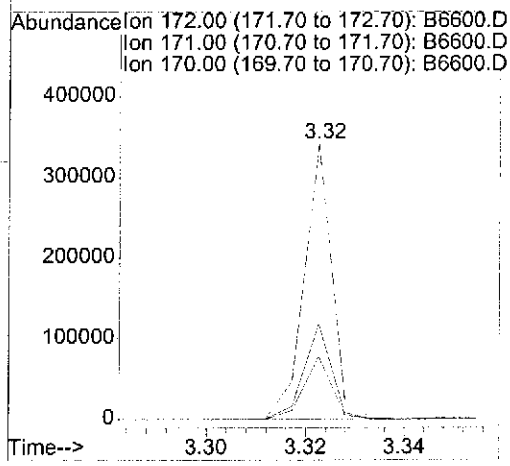
Ion	Ratio	Lower	Upper
164	100		
162	96.3	74.3	111.5
160	45.7	32.8	49.2

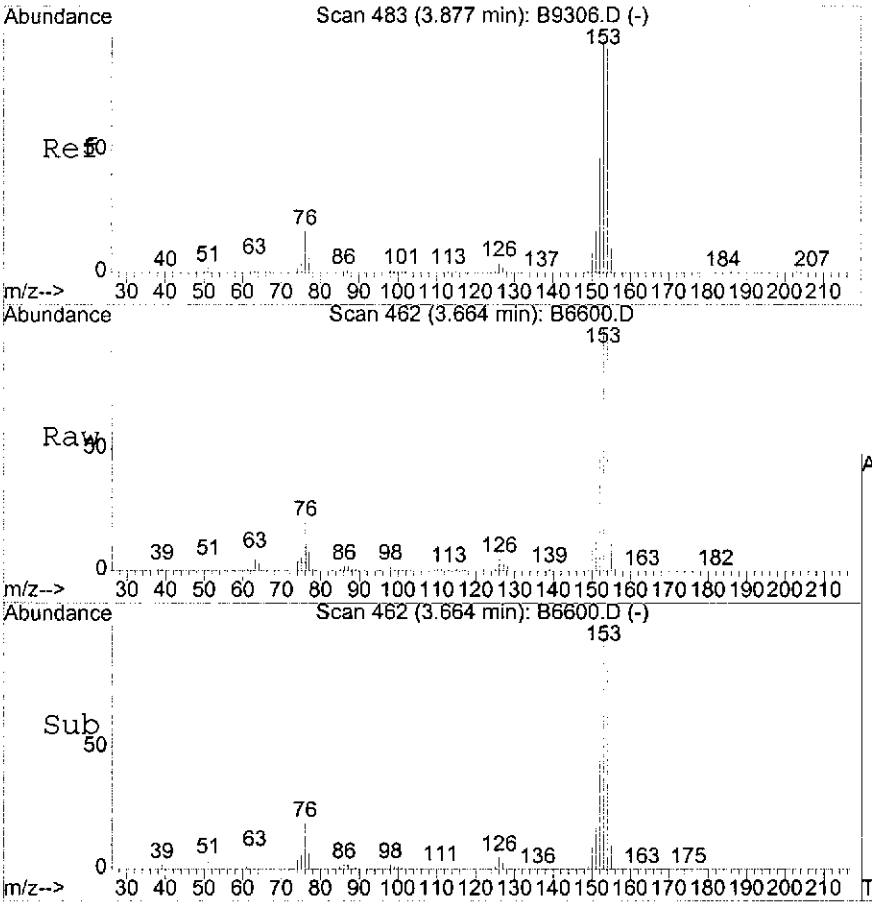




#47
2-Fluorobiphenyl
Concen: 37.96 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

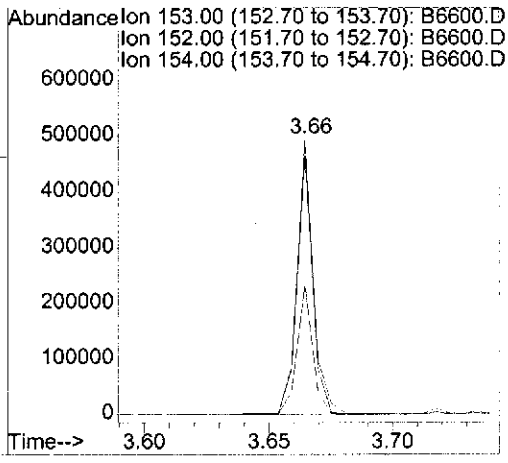
Tgt Ion:172	Resp:	133325	
Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.7	41.5
170	22.9	18.2	27.2

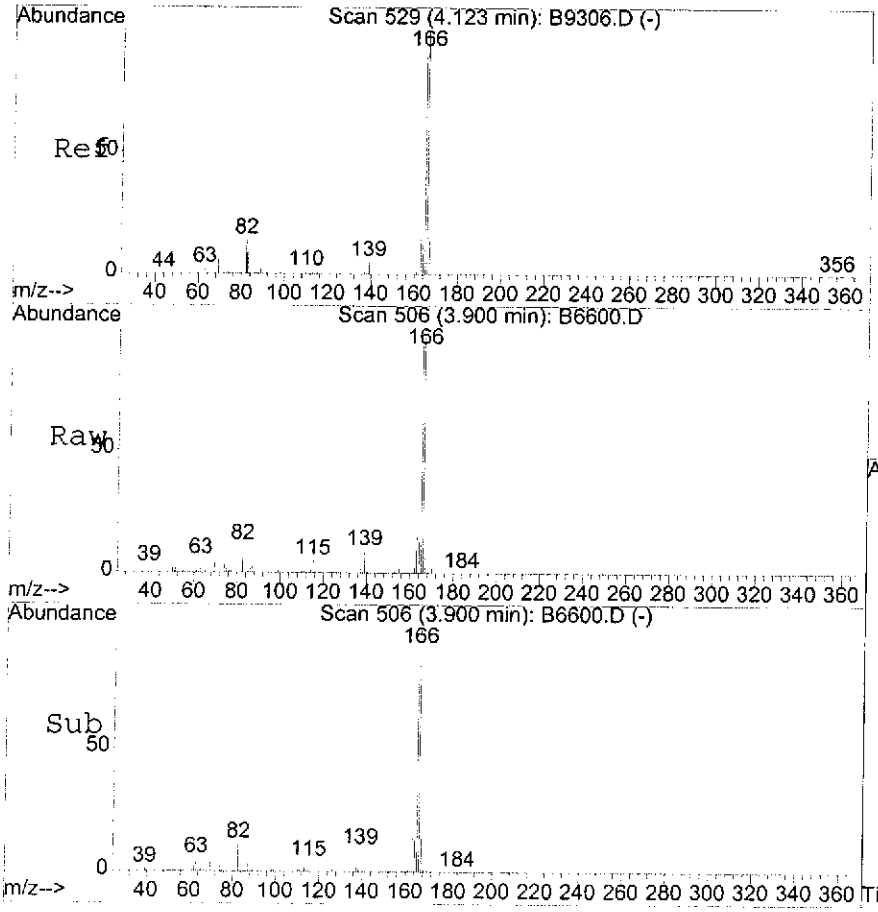




#55
Acenaphthene
Concen: 72.44 UG
RT: 3.66 min Scan# 462
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:153	Resp:	225823	
Ion	Ratio	Lower	Upper
153	100		
152	45.6	37.4	56.2
154	90.6	79.0	118.6

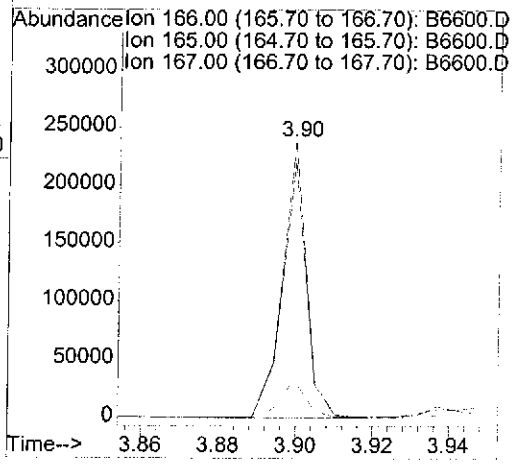


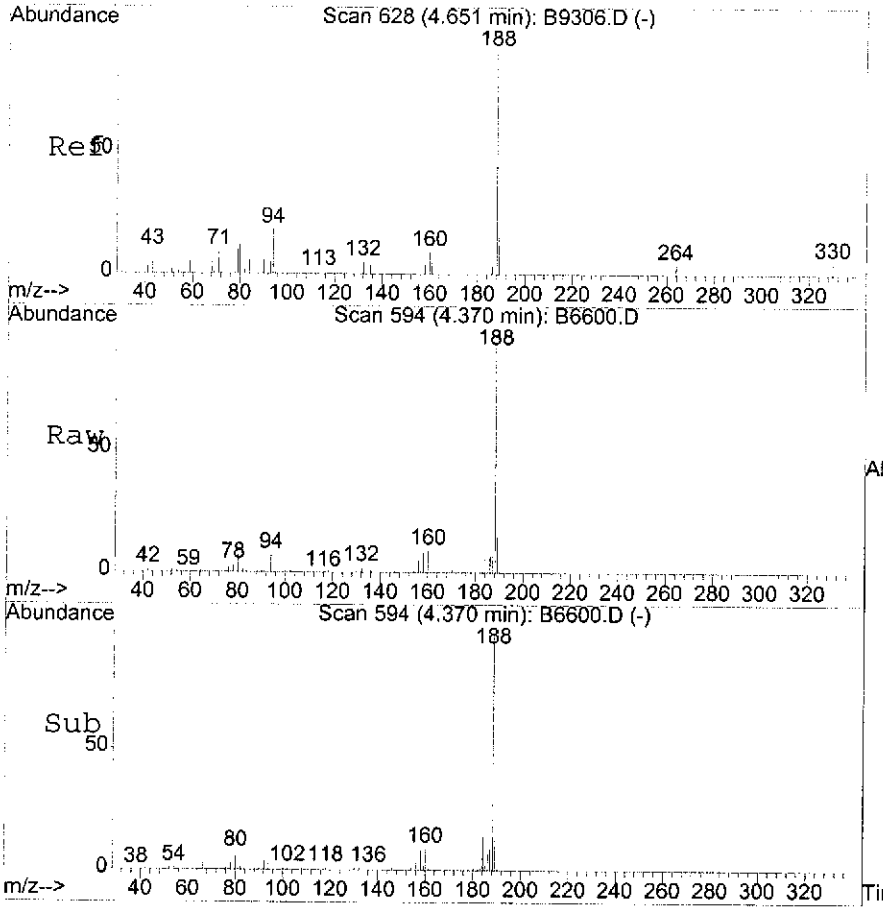


#61
Fluorene
Concen: 30.13 UG
RT: 3.90 min Scan# 506
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:166 Resp: 103938

Ion	Ratio	Lower	Upper
166	100		
165	92.2	73.5	110.3
167	15.1	10.9	16.3

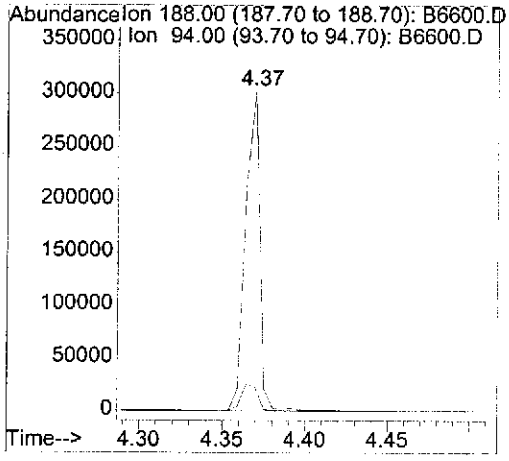


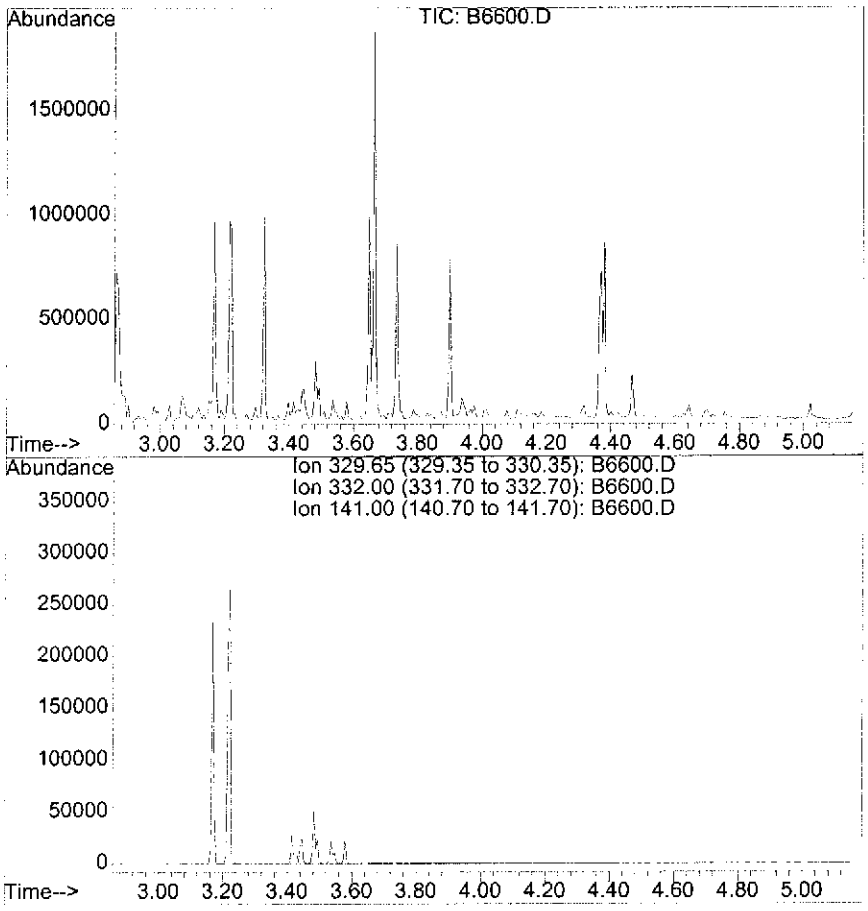


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.37 min Scan# 594
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:188 Resp: 184135

Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.4	14.0



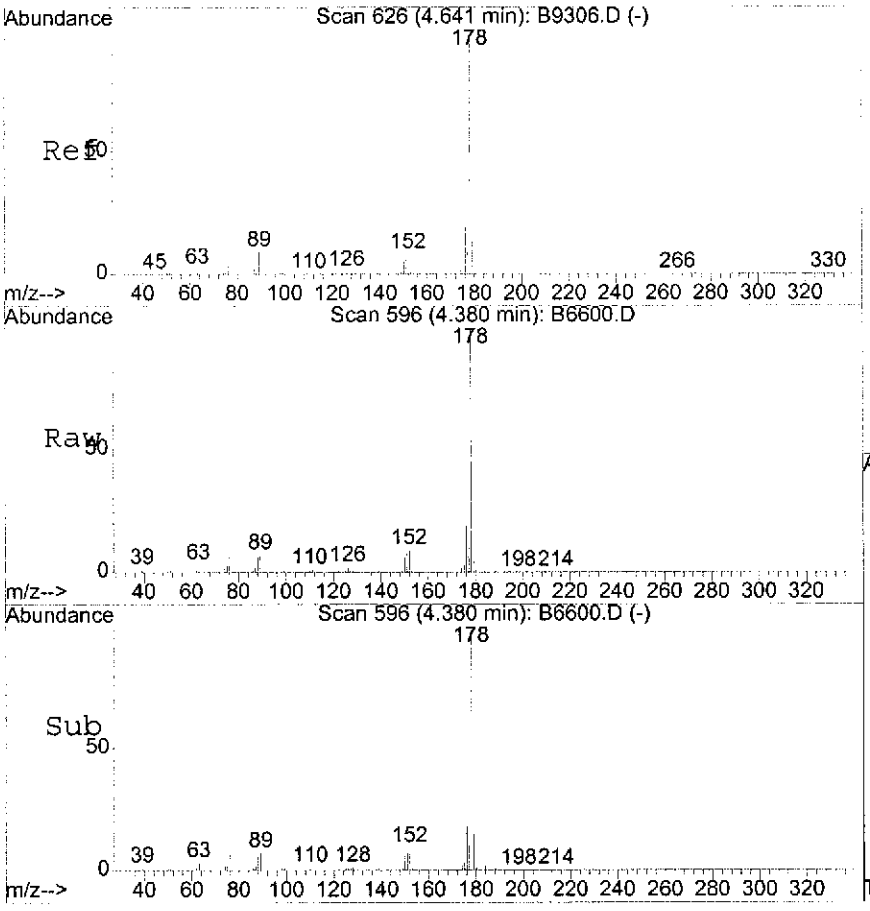


#70
2,4,6-Tribromophenol
Concen: 0.00 UG
Expected RT: 4.04 min

Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion: 330

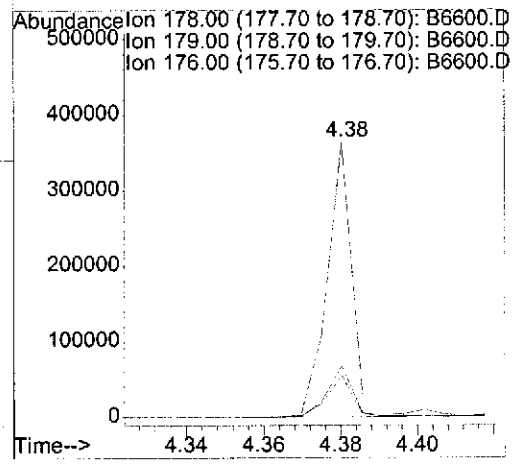
Sig	Exp Ratio
330	100
332	99.3
141	27.3

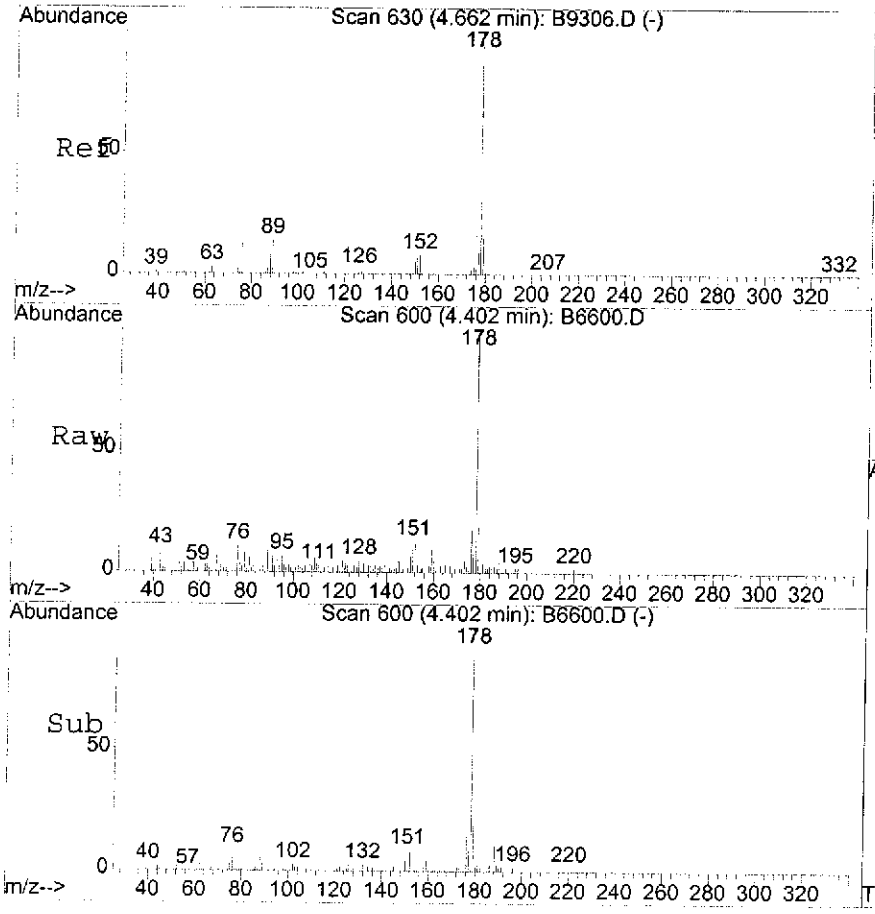


#75
Phenanthrene
Concen: 34.92 UG
RT: 4.38 min Scan# 596
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:178 Resp: 162820

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.2
176	18.8	14.8	22.2

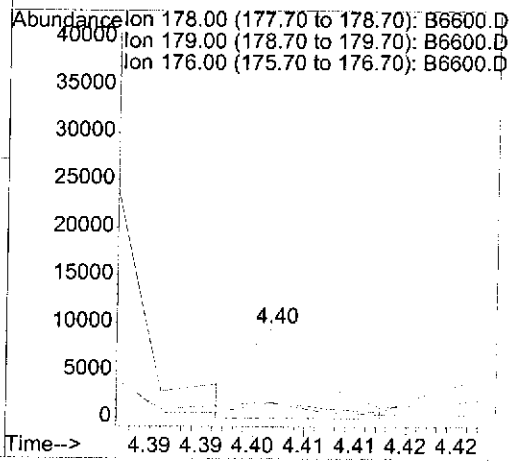


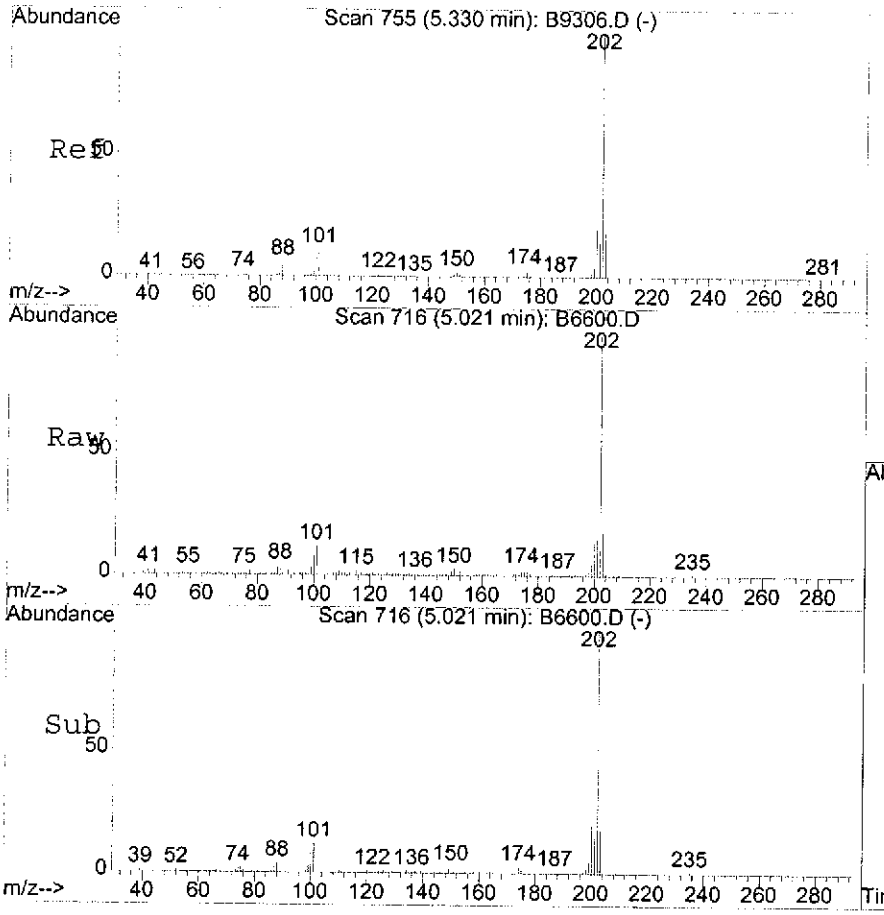


#76
Anthracene
Concen: 0.92 UG m
RT: 4.40 min Scan# 600
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:178 Resp: 4506

Ion	Ratio	Lower	Upper
178	100		
179	581.7	12.4	18.6#
176	680.4	14.6	21.8#

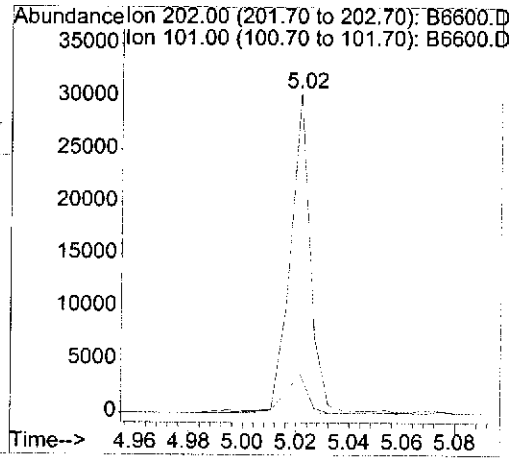


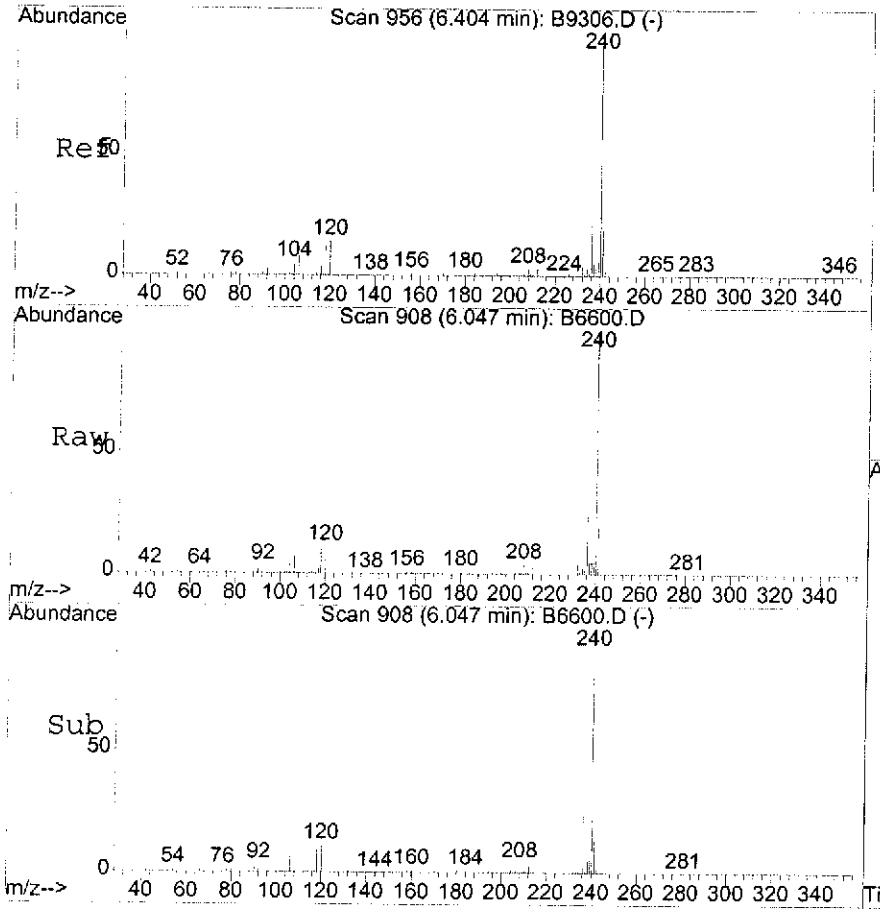


#79
Fluoranthene
Concen: 3.56 UG
RT: 5.02 min Scan# 716
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:202 Resp: 16058

Ion	Ratio	Lower	Upper
202	100		
101	13.1	11.7	17.5

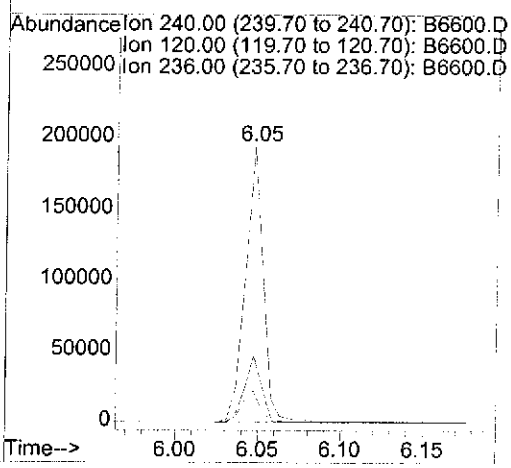


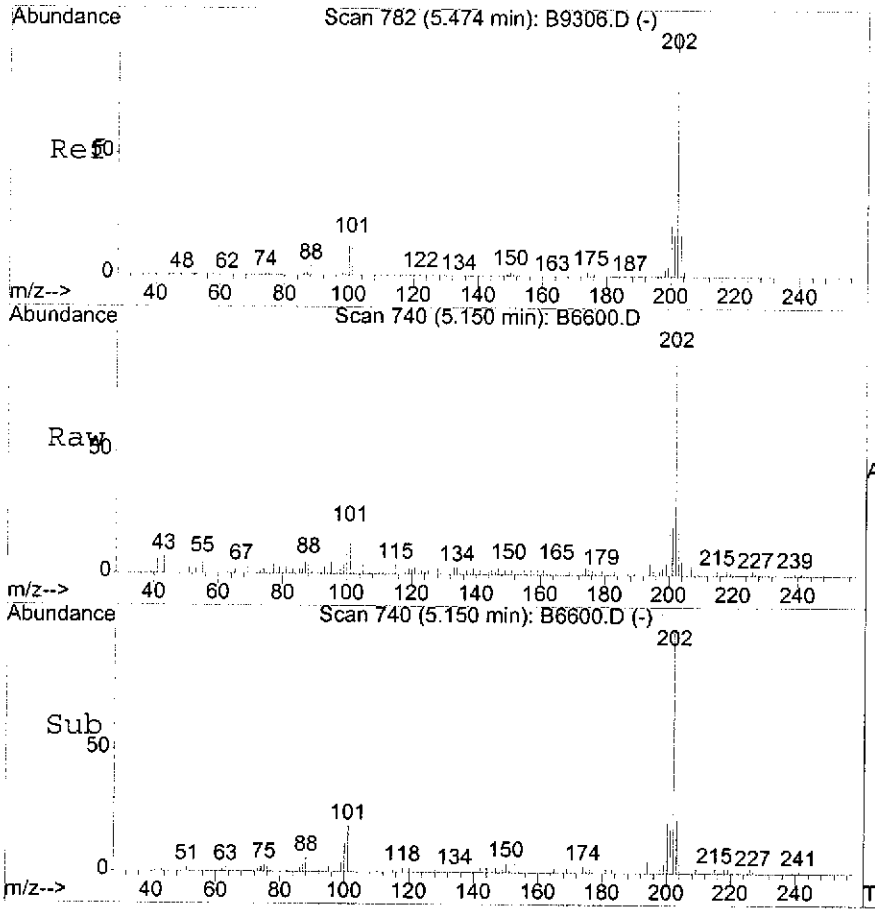


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.05 min Scan# 908
Delta R.T. -0.03 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:240 Resp: 147518

Ion	Ratio	Lower	Upper
240	100		
120	11.4	11.7	17.5#
236	23.6	19.2	28.8

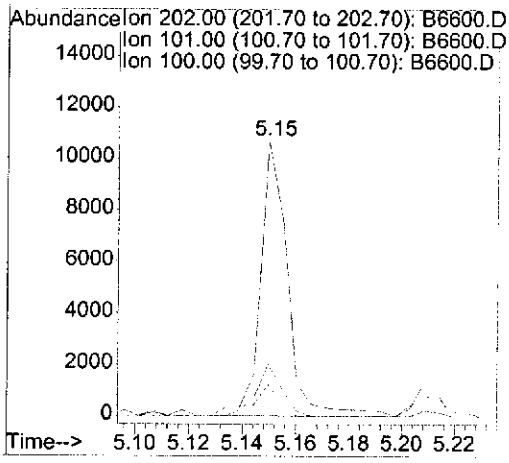


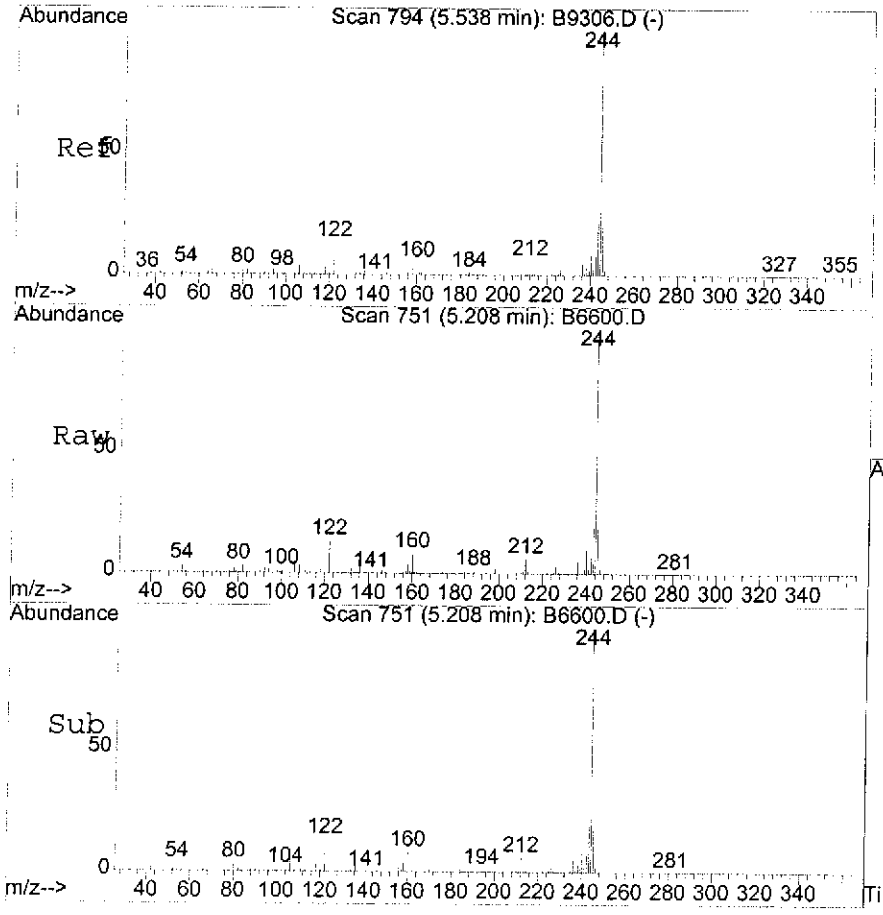


#83
Pyrene
Concen: 1.59 UG
RT: 5.15 min Scan# 740
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:202 Resp: 7564

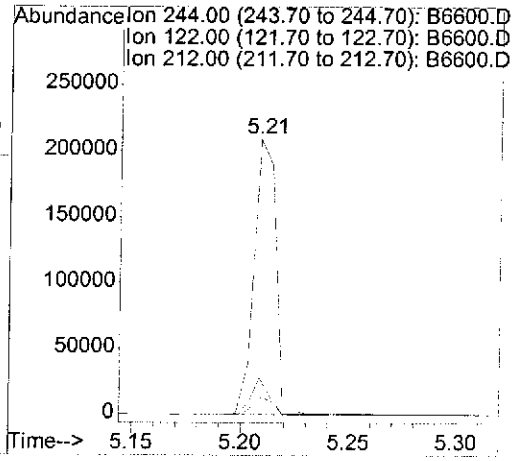
Ion	Ratio	Lower	Upper
202	100		
101	17.6	14.0	21.0
100	9.1	10.9	16.3#

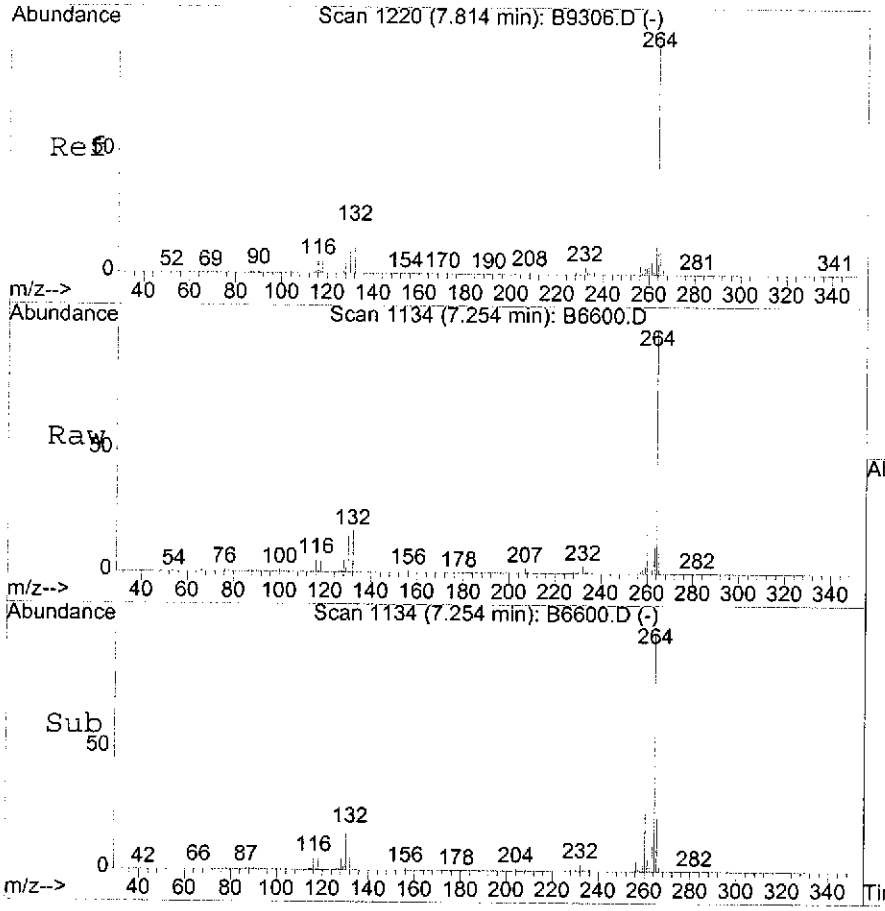




#84
Terphenyl-d14
Concen: 41.11 UG
RT: 5.21 min Scan# 751
Delta R.T. -0.02 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

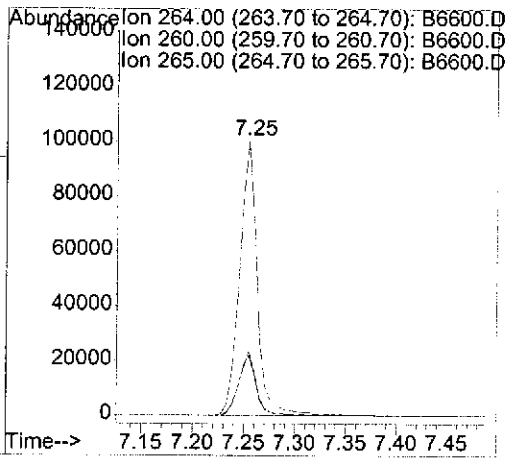
Tgt Ion:244	Resp:	146151	
Ion	Ratio	Lower	Upper
244	100		
122	11.1	11.0	16.4
212	6.1	4.4	6.6





#92
Perylene-d12
Concen: 40.00 UG
RT: 7.25 min Scan# 1134
Delta R.T. -0.04 min
Lab File: B6600.D
Acq: 11 Apr 2008 19:26

Tgt Ion:264	Resp:	121197	
Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.8	26.8
265	21.9	17.3	25.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6601.D Vial: 35
Acq On : 11 Apr 2008 19:41 Operator: JC
Sample : MW-2,03767-005,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 19:51:39 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

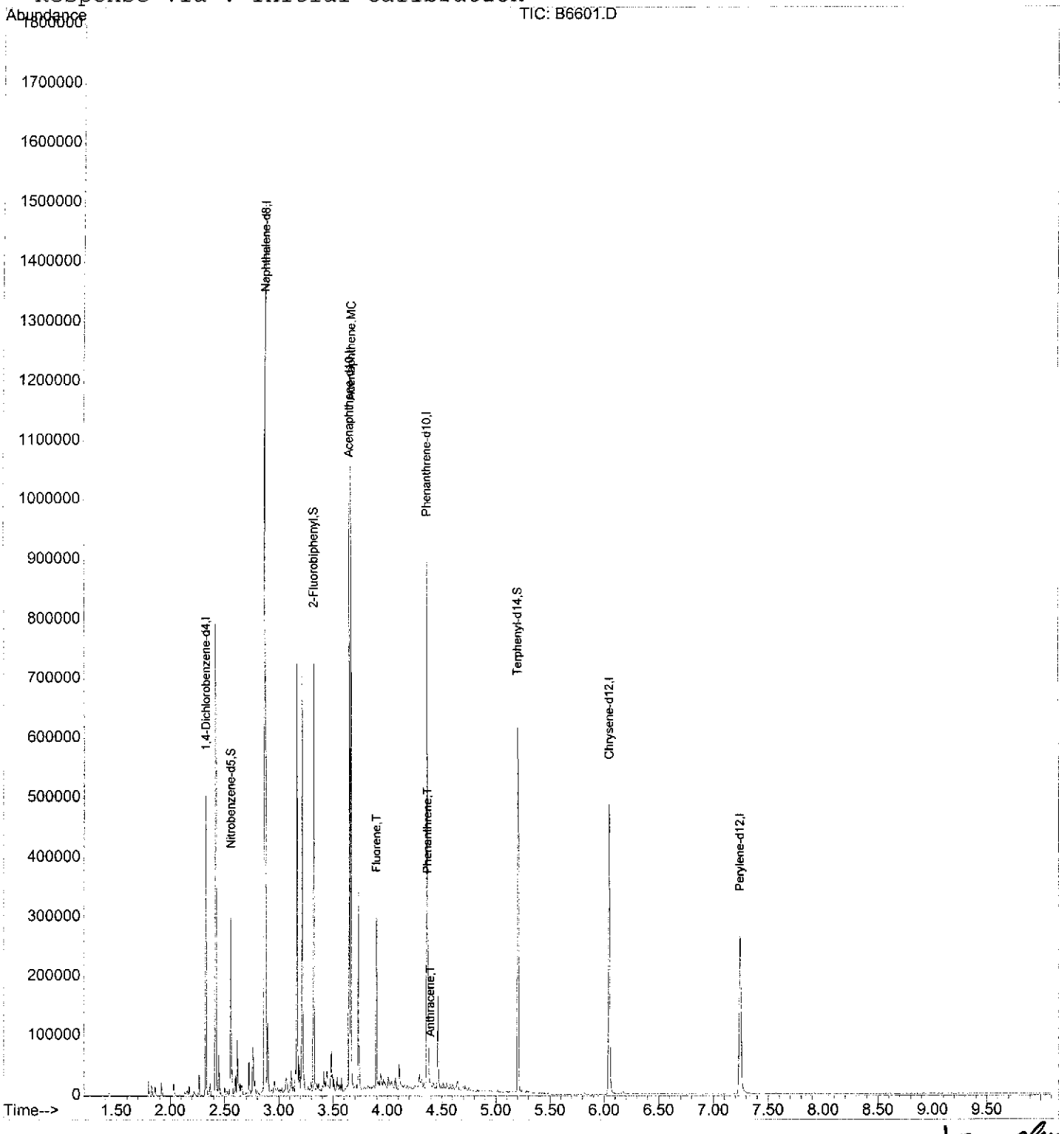
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	46120	40.00	UG	-0.01
23) Naphthalene-d8	2.87	136	181567	40.00	UG	-0.01
43) Acenaphthene-d10	3.65	164	105479	40.00	UG	-0.02
66) Phenanthrene-d10	4.36	188	188010	40.00	UG	-0.02
82) Chrysene-d12	6.05	240	151326	40.00	UG	-0.03
92) Perylene-d12	7.24	264	126336	40.00	UG	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.56	82	52821	27.69	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 55.38%			
47) 2-Fluorobiphenyl	3.32	172	114005	31.44	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 62.88%			
70) 2,4,6-Tribromophenol	0.00	330	0d	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.20	244	150179	41.18	UG	-0.03
Spiked Amount 50.000	Range 39 - 121		Recovery = 82.36%			
Target Compounds						Qvalue
55) Acenaphthene	3.66	153	137184	42.63	UG	95
61) Fluorene	3.90	166	52451	14.73	UG	100
75) Phenanthrene	4.38	178	34622	7.27	UG	98
76) Anthracene	4.40	178	2037	0.41	UG	96

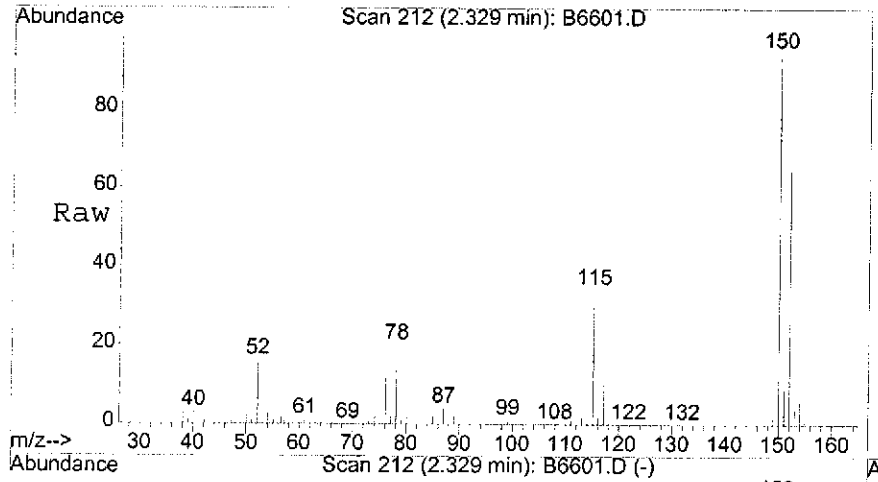
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6601.D Vial: 35
Acq On : 11 Apr 2008 19:41 Operator: JC
Sample : MW-2,03767-005,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:06 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

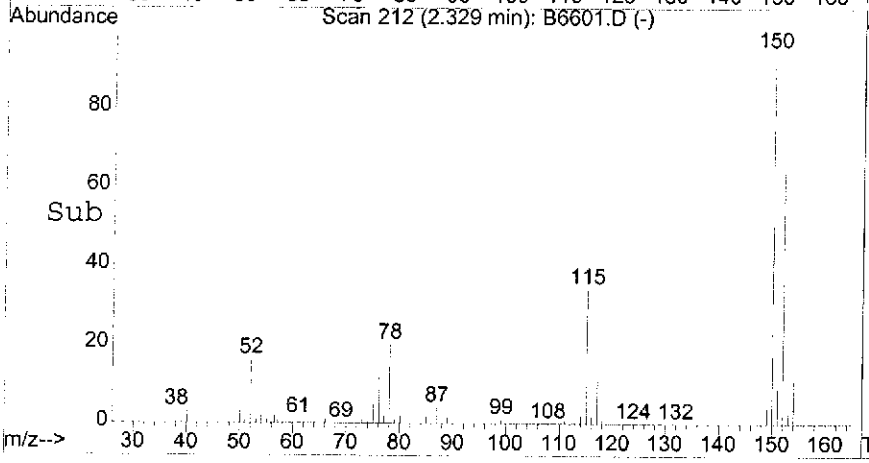


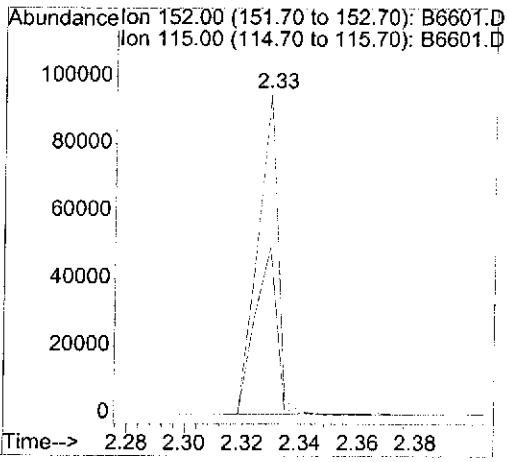


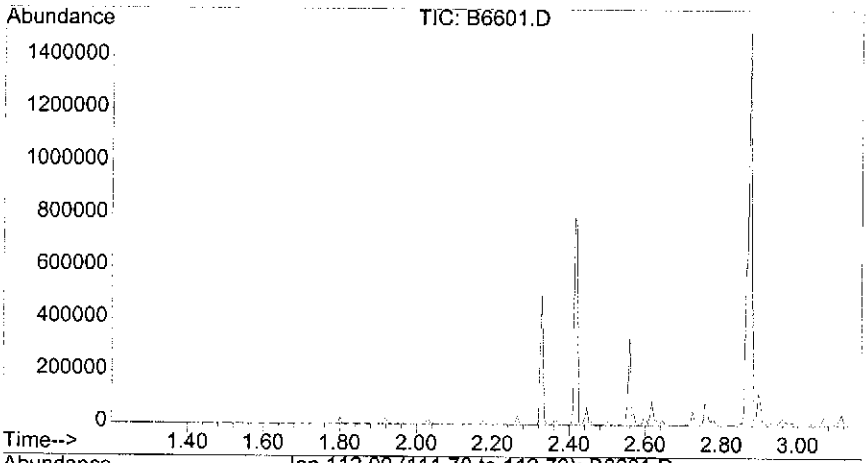
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:152 Resp: 46120

Ion	Ratio	Lower	Upper
152	100		
115	56.5	42.7	64.1





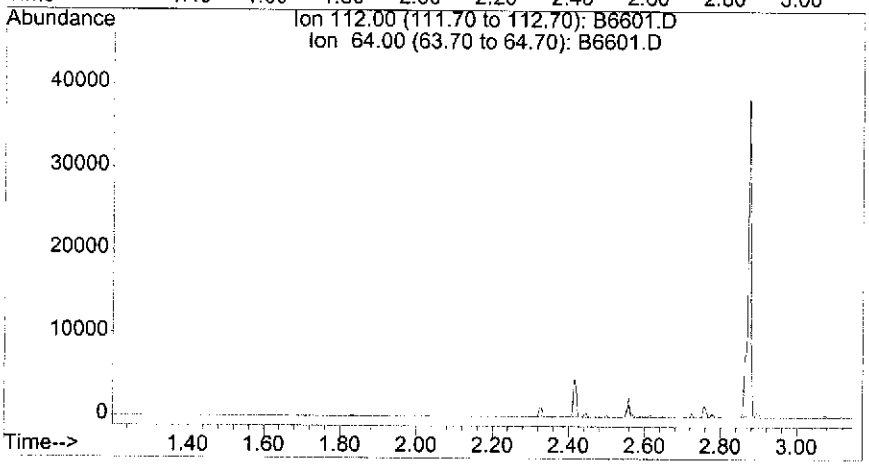


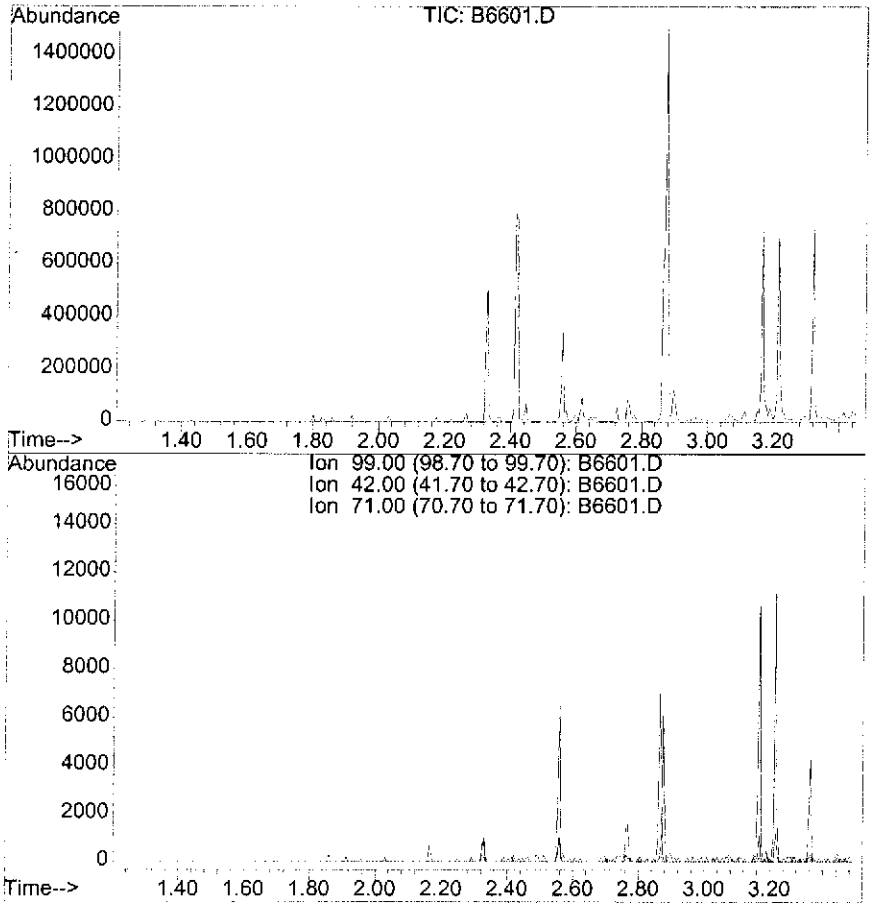
#4
2-Fluorophenol
Concen: 0.00 UG
Expected RT: 1.83 min

Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	46.5



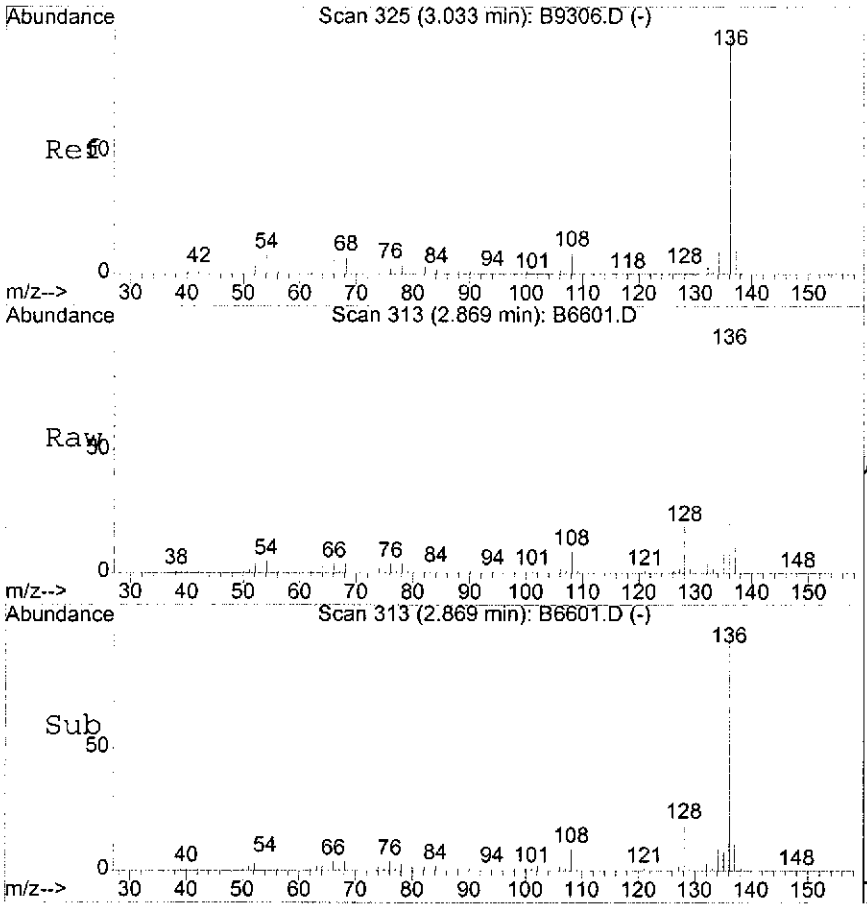


#6
Phenol-d5
Concen: 0.00 UG
Expected RT: 2.17 min

Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion: 99

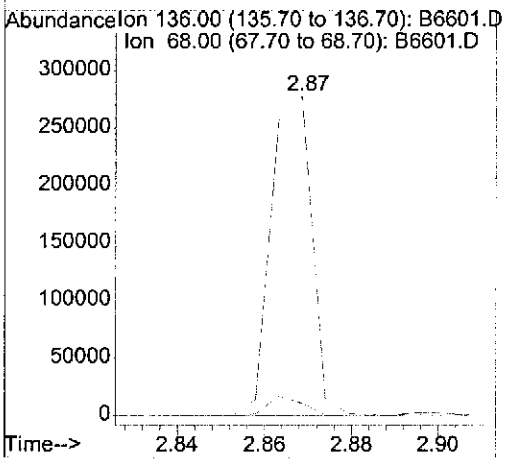
Sig	Exp Ratio
99	100
42	11.1
71	25.0

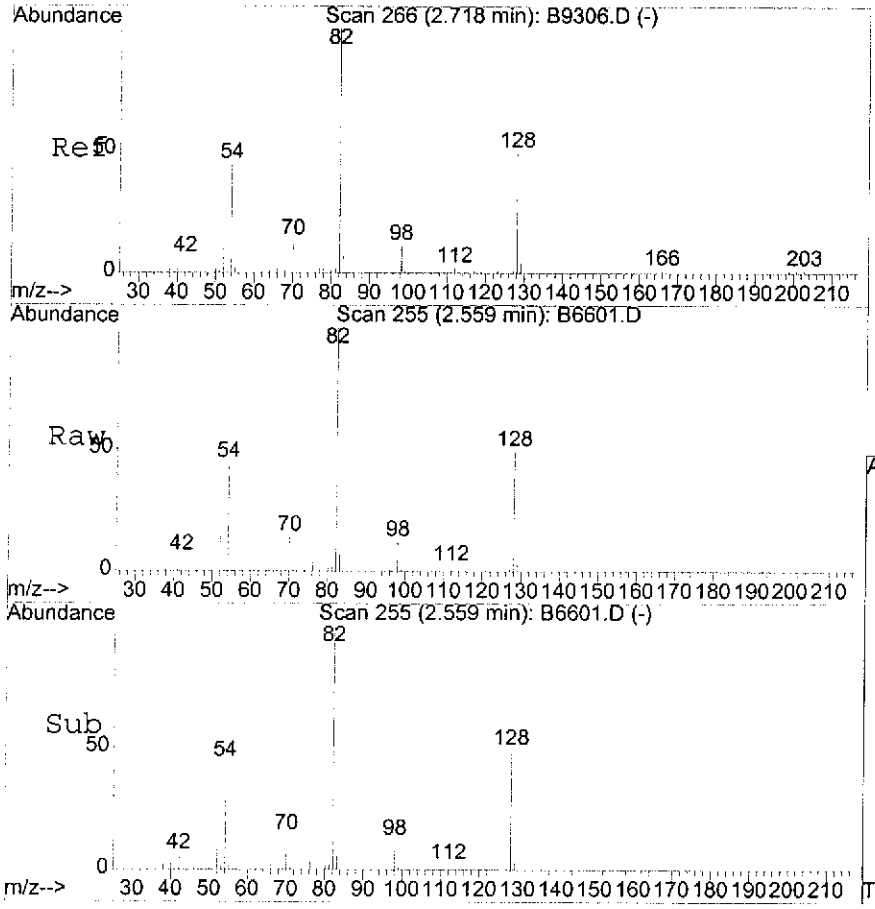


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.87 min Scan# 313
Delta R.T. -0.01 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:136 Resp: 181567

Ion	Ratio	Lower	Upper
136	100		
68	5.3	5.1	7.7

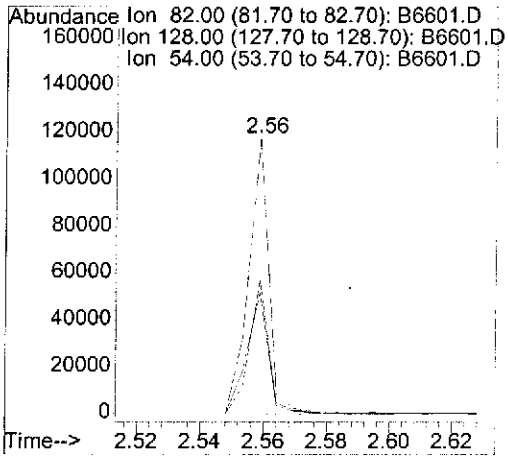


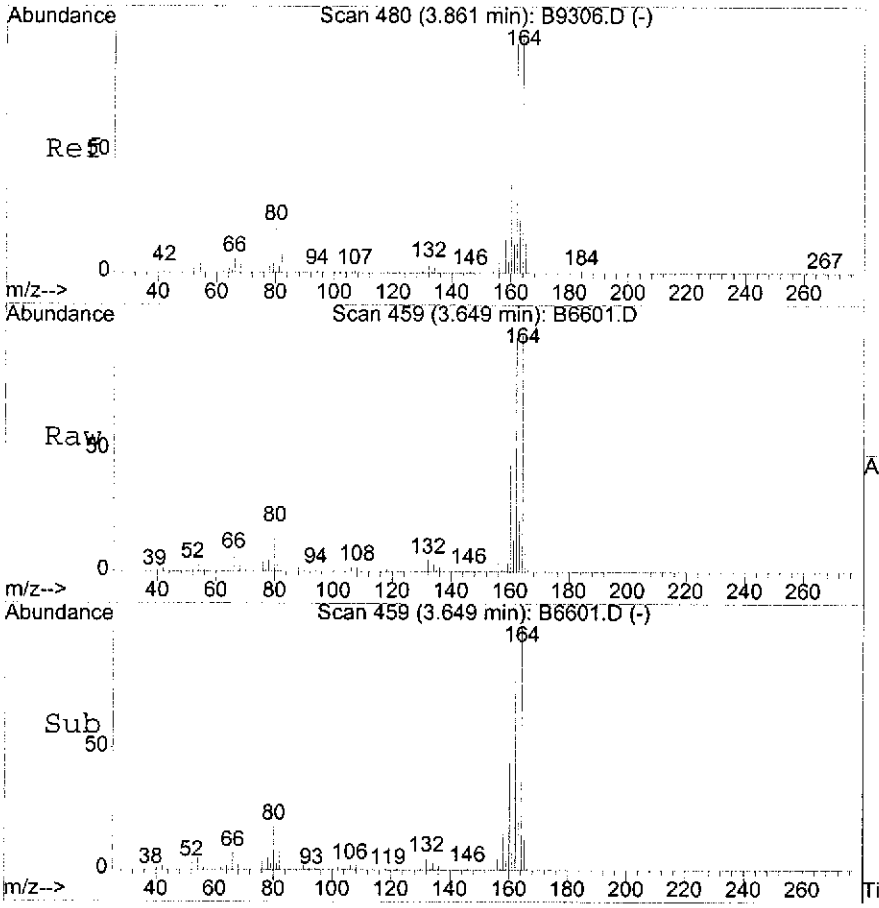


#24
Nitrobenzene-d5
Concen: 27.69 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion: 82 Resp: 52821

Ion	Ratio	Lower	Upper
82	100		
128	47.1	41.8	62.8
54	46.4	29.6	44.4#

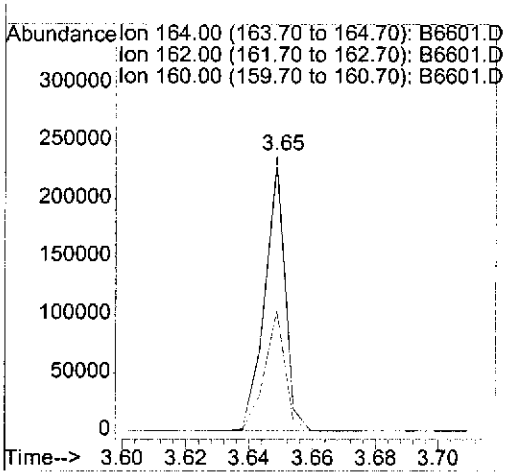


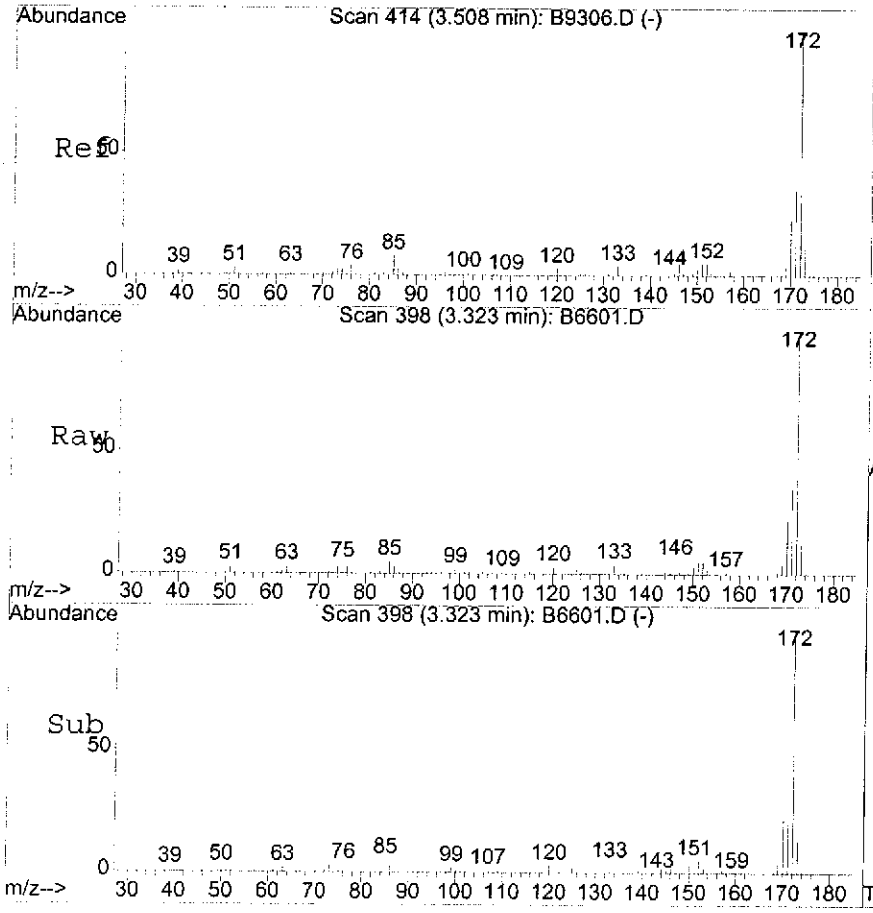


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.65 min Scan# 459
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:164 Resp: 105479

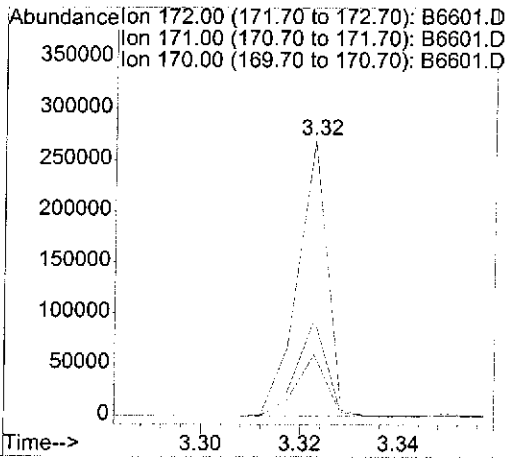
Ion	Ratio	Lower	Upper
164	100		
162	96.6	74.3	111.5
160	44.3	32.8	49.2

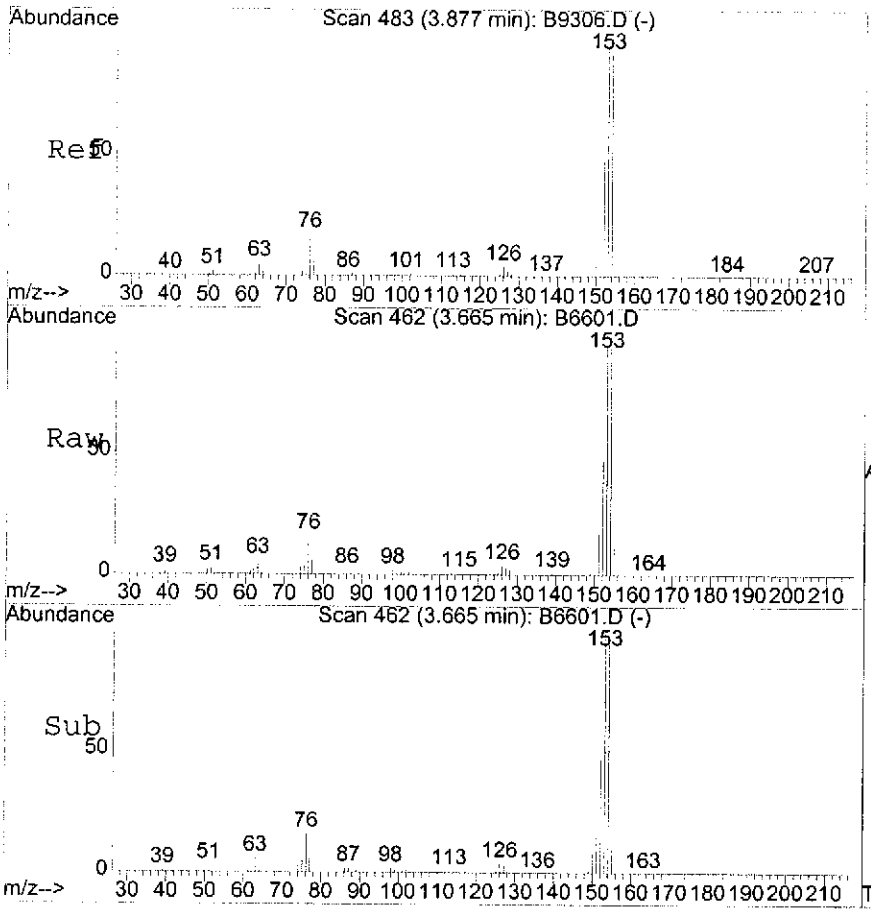




#47
2-Fluorobiphenyl
Concen: 31.44 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

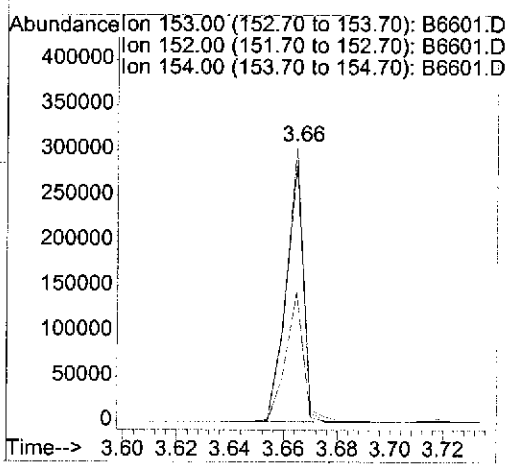
Tgt Ion:172	Resp:	114005	
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.7	41.5
170	22.6	18.2	27.2

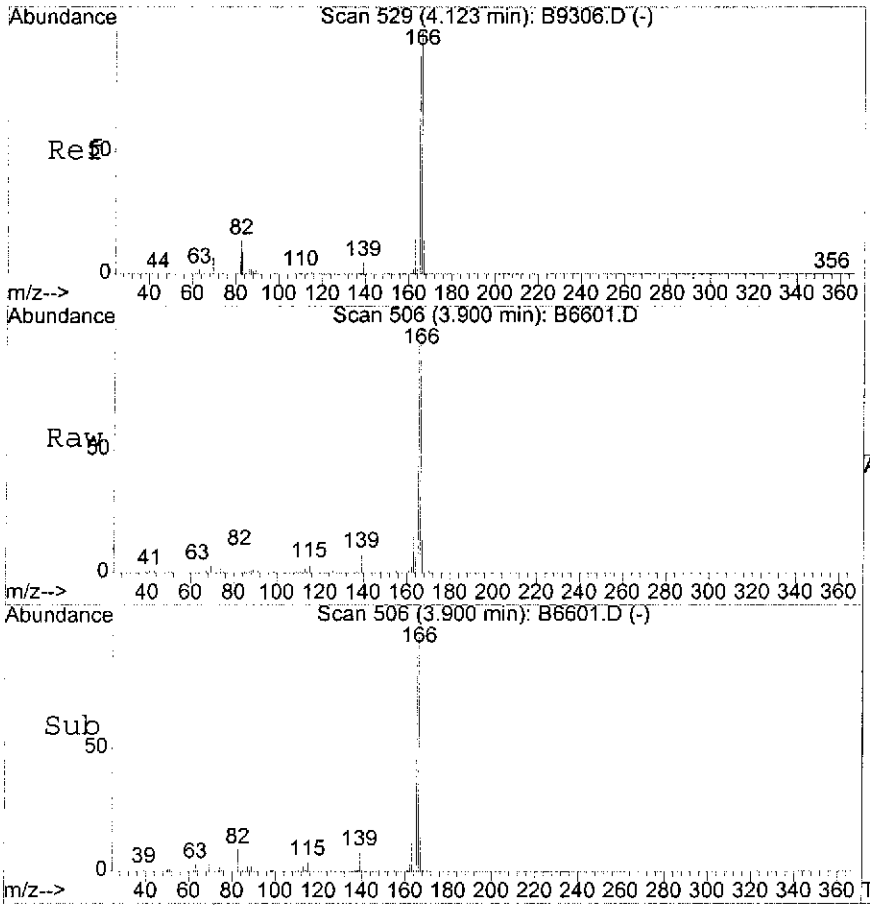




#55
Acenaphthene
Concen: 42.63 UG
RT: 3.66 min Scan# 462
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:153	Resp:	137184	
Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.4	56.2
154	92.2	79.0	118.6

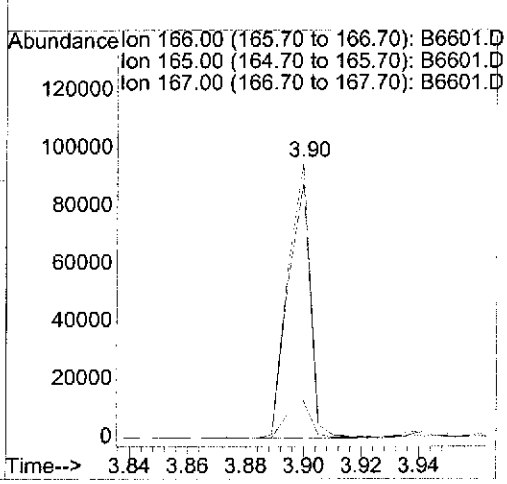


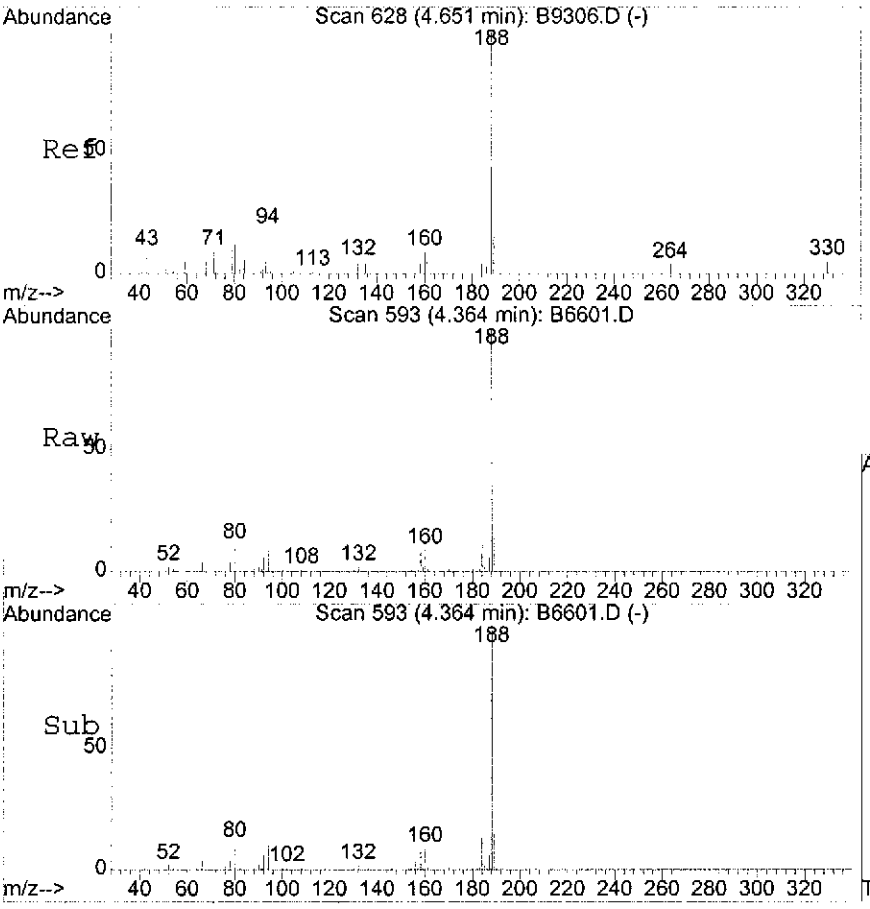


#61
Fluorene
Concen: 14.73 UG
RT: 3.90 min Scan# 506
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:166 Resp: 52451

Ion	Ratio	Lower	Upper
166	100		
165	91.9	73.5	110.3
167	14.3	10.9	16.3

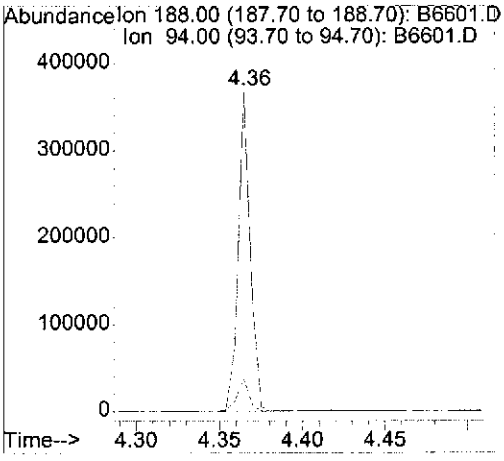


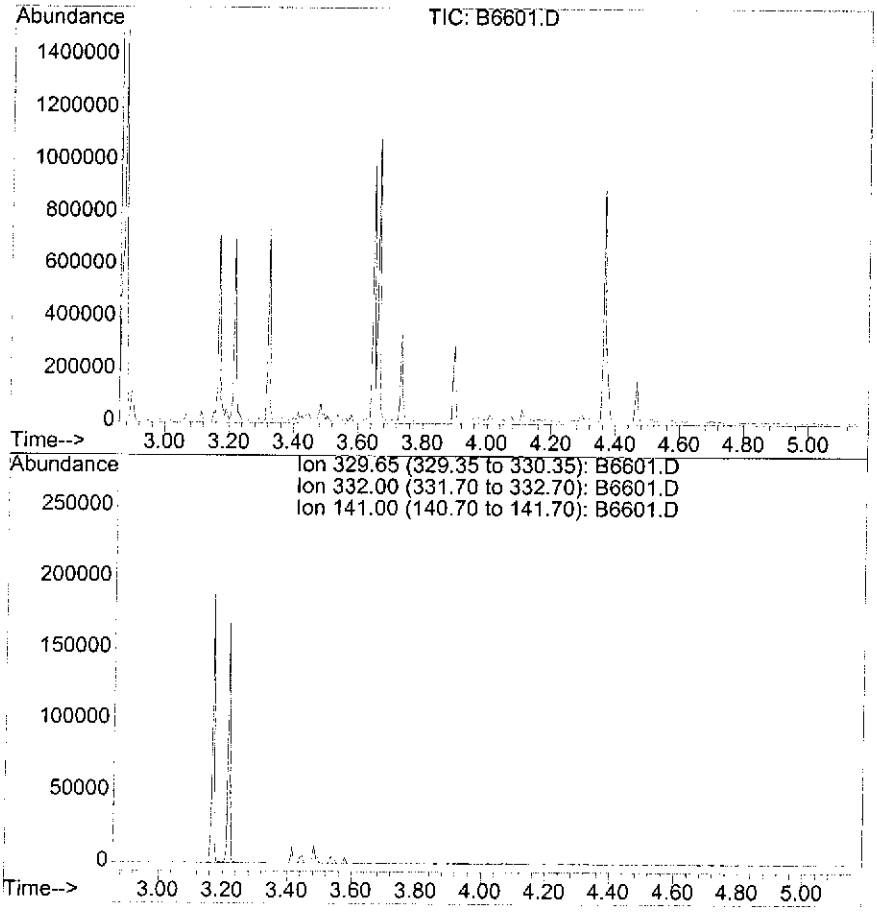


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.36 min Scan# 593
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:188 Resp: 188010

Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.0



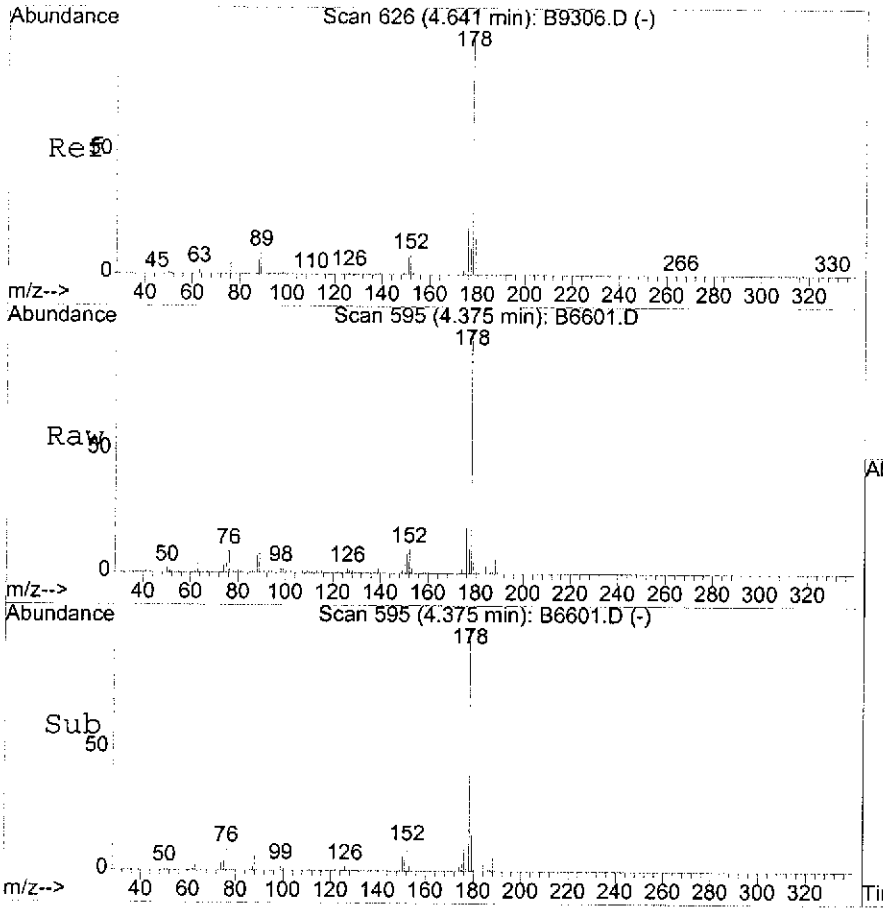


#70
2,4,6-Tribromophenol
Concen: 0.00 UG
Expected RT: 4.04 min

Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion: 330

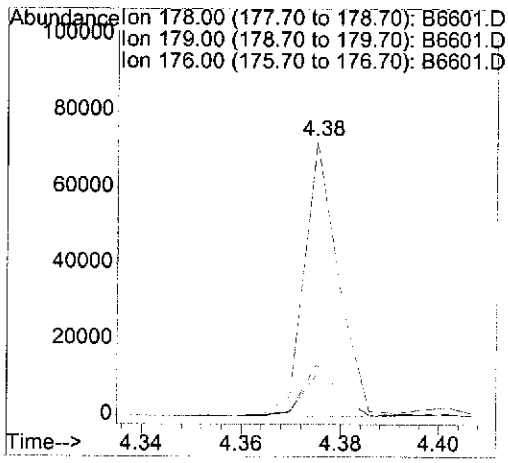
Sig	Exp Ratio
330	100
332	99.3
141	27.3

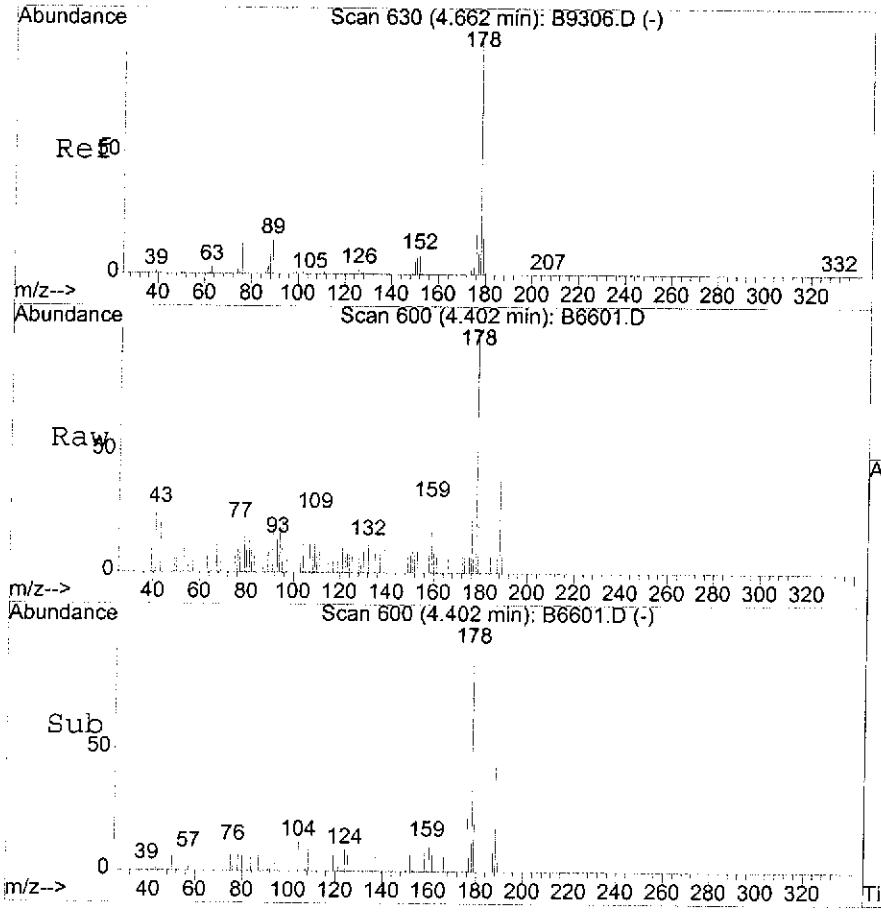


#75
Phenanthrene
Concen: 7.27 UG
RT: 4.38 min Scan# 595
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:178 Resp: 34622

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.2
176	19.3	14.8	22.2

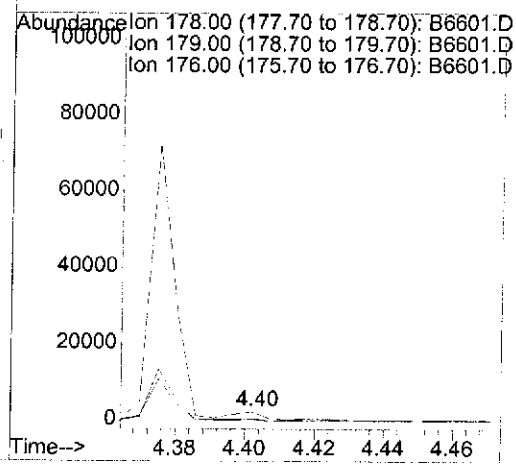


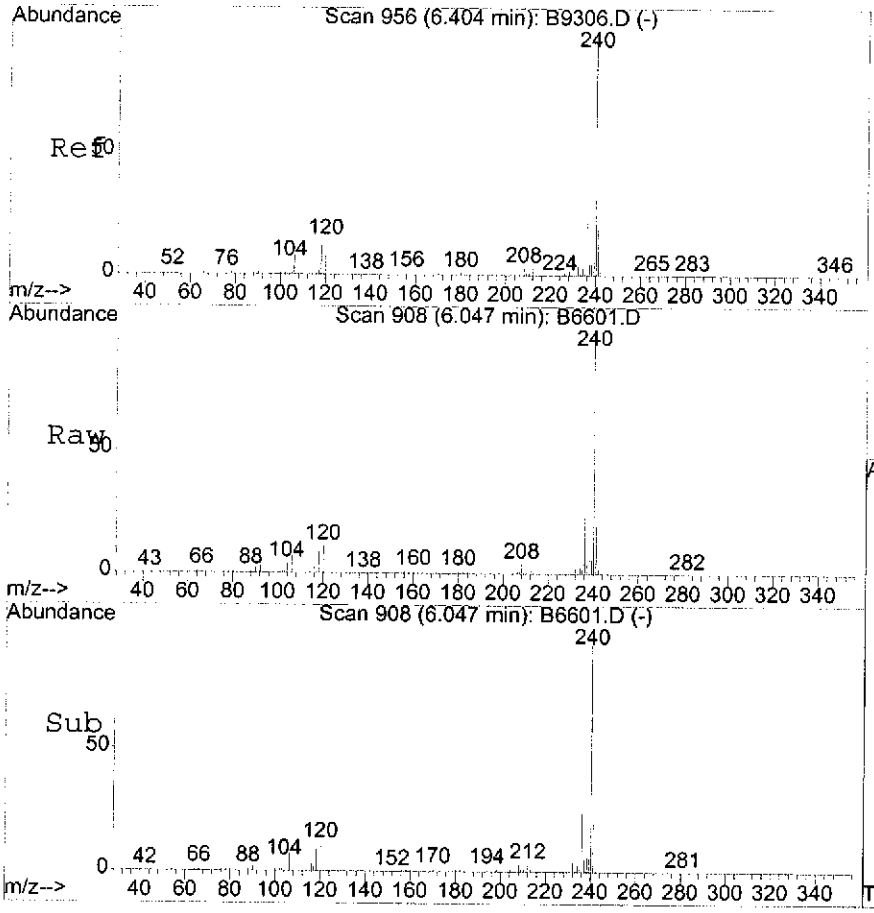


#76
Anthracene
Concen: 0.41 UG
RT: 4.40 min Scan# 600
Delta R.T. -0.02 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:178 Resp: 2037

Ion	Ratio	Lower	Upper
178	100		
179	14.2	12.4	18.6
176	16.2	14.6	21.8

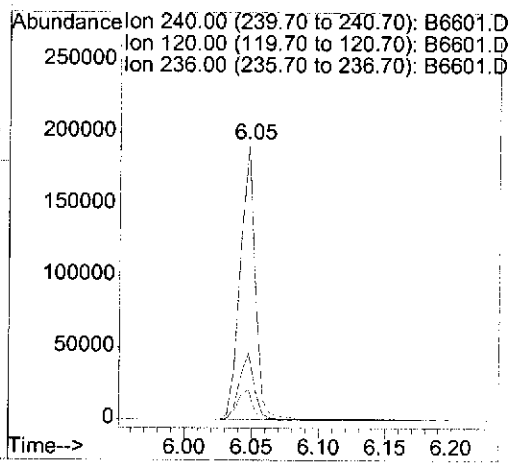


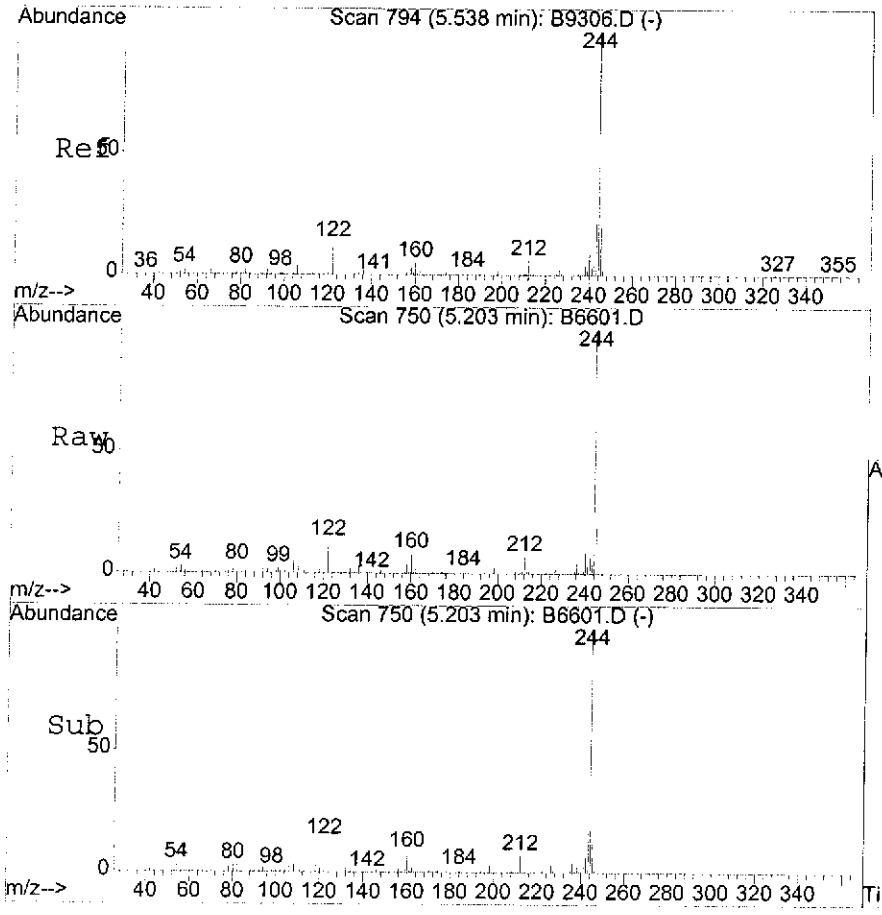


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.05 min Scan# 908
Delta R.T. -0.03 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:240 Resp: 151326

Ion	Ratio	Lower	Upper
240	100		
120	11.1	11.7	17.5#
236	24.1	19.2	28.8

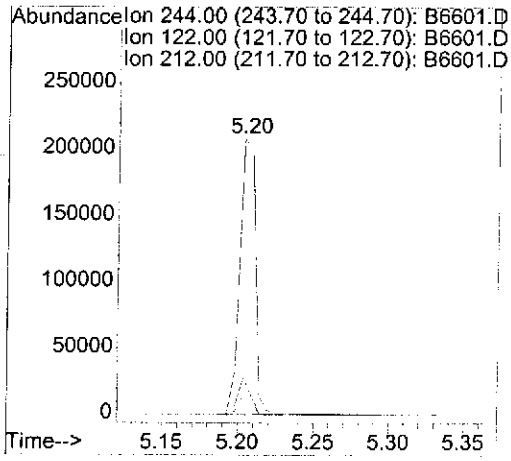


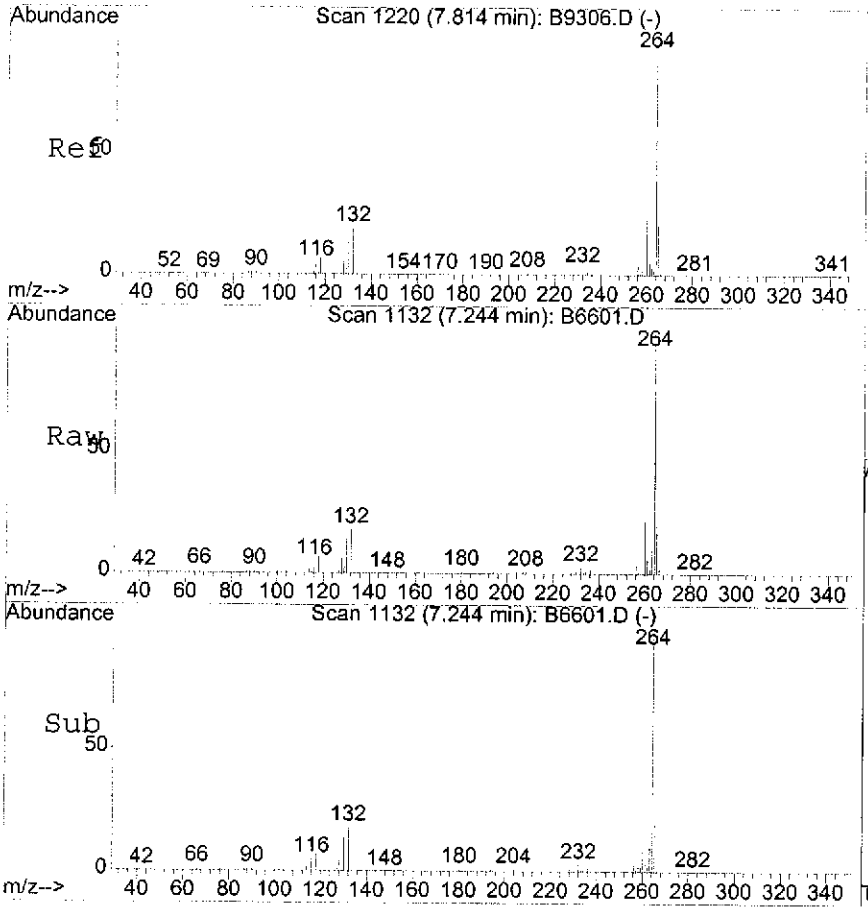


#84
Terphenyl-d14
Concen: 41.18 UG
RT: 5.20 min Scan# 750
Delta R.T. -0.03 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:244 Resp: 150179

Ion	Ratio	Lower	Upper
244	100		
122	11.1	11.0	16.4
212	6.3	4.4	6.6

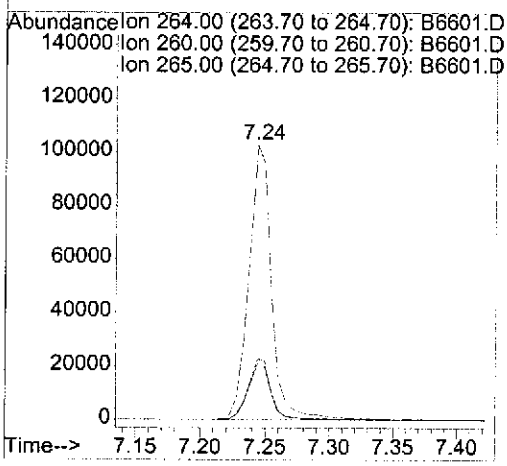




#92
Perylene-d12
Concen: 40.00 UG
RT: 7.24 min Scan# 1132
Delta R.T. -0.05 min
Lab File: B6601.D
Acq: 11 Apr 2008 19:41

Tgt Ion:264 Resp: 126336

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.8	26.8
265	20.7	17.3	25.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6602.D Vial: 36
Acq On : 11 Apr 2008 19:57 Operator: JC
Sample : FIELD_BLANK,03767-007,A,1000ml,100,04/09 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 20:07:10 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	48232	40.00	UG	-0.01
23) Naphthalene-d8	2.86	136	182380	40.00	UG	-0.02
43) Acenaphthene-d10	3.64	164	106597	40.00	UG	-0.02
66) Phenanthrene-d10	4.35	188	200367	40.00	UG	-0.03
82) Chrysene-d12	6.03	240	169675	40.00	UG	-0.04
92) Perylene-d12	7.24	264	139330	40.00	UG	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.56	82	59771	31.19	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 62.38%			
47) 2-Fluorobiphenyl	3.32	172	136396	37.22	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 74.44%			
70) 2,4,6-Tribromophenol	0.00	330	0d	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.19	244	188776	46.16	UG	-0.04
Spiked Amount 50.000	Range 39 - 121		Recovery = 92.32%			

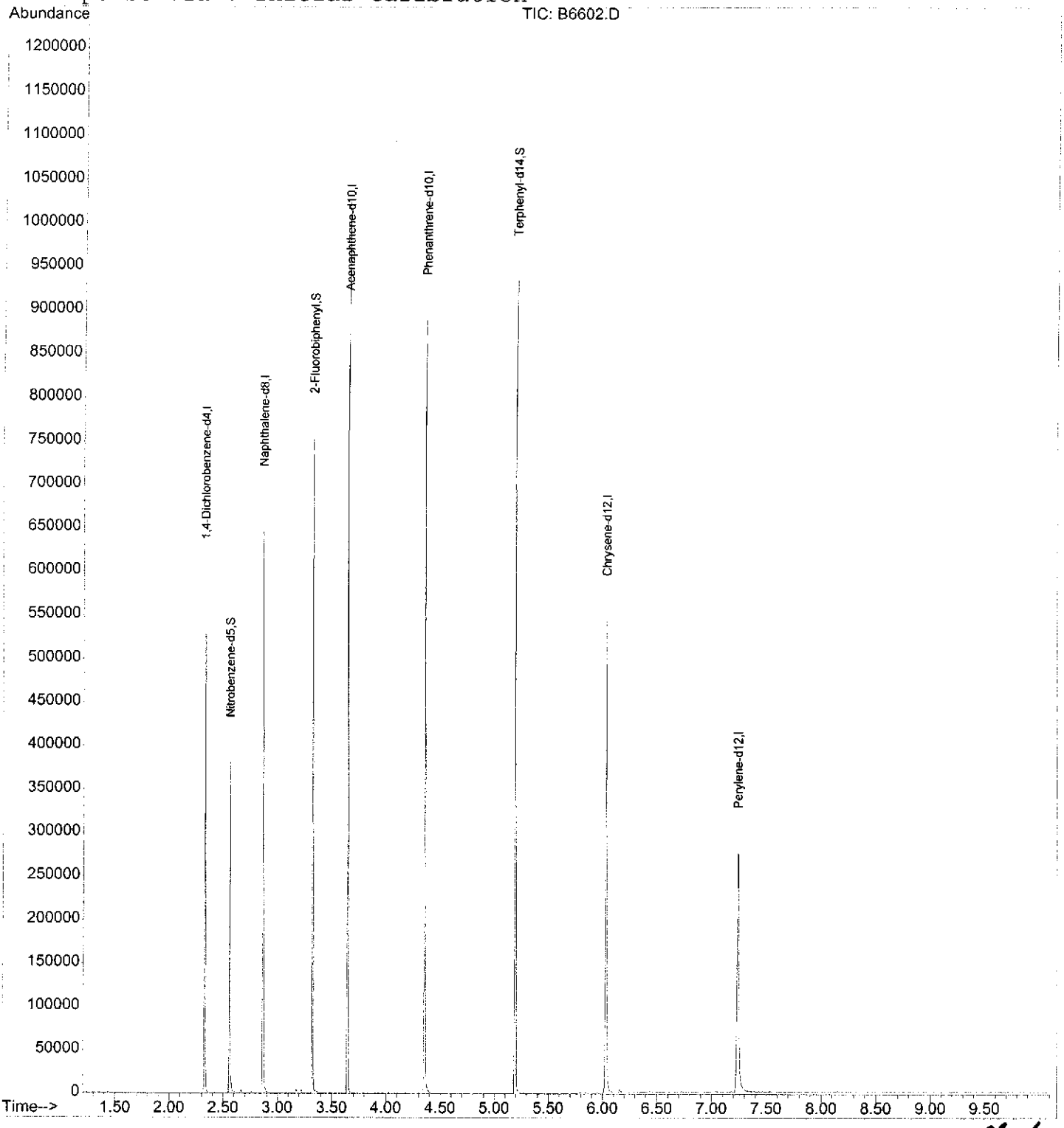
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

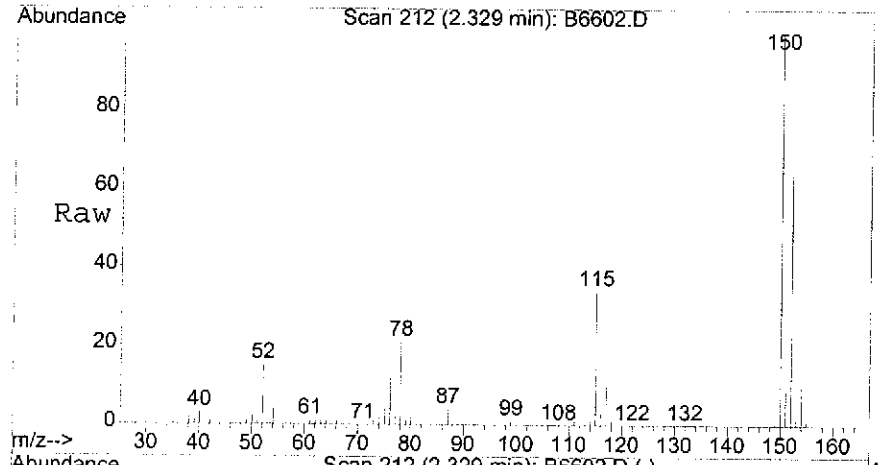
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6602.D Vial: 36
Acq On : 11 Apr 2008 19:57 Operator: JC
Sample : FIELD_BLANK,03767-007,A,1000ml,100,04/09 Inst : MSD_B
Misc : EWMA/1_WAREHOUSE,04/03/08,04/04/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:06 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



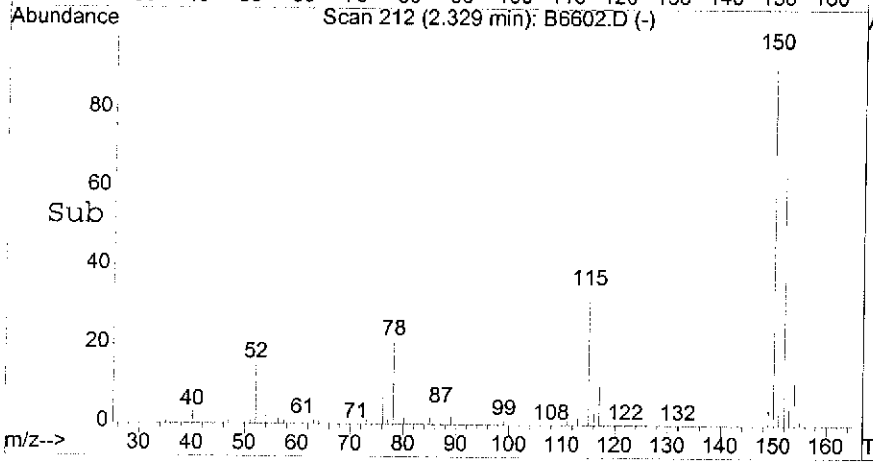
0235

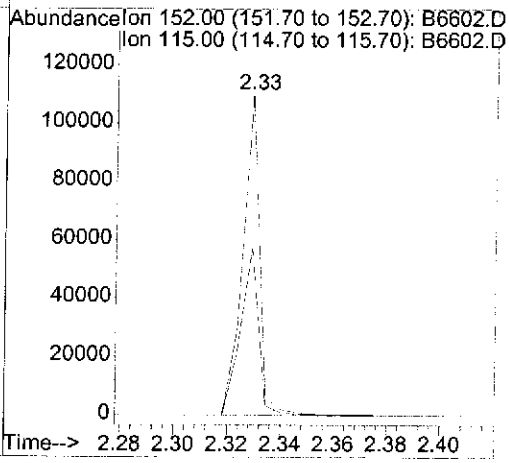


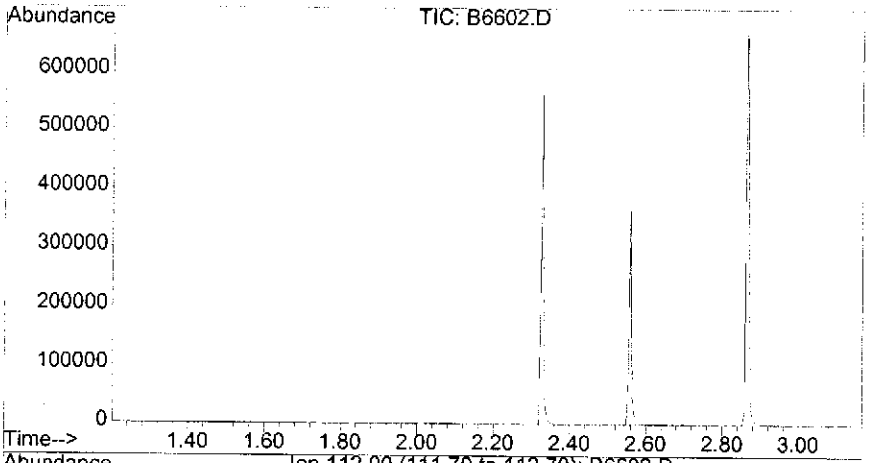
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion:152 Resp: 48232

Ion	Ratio	Lower	Upper
152	100		
115	56.3	42.7	64.1





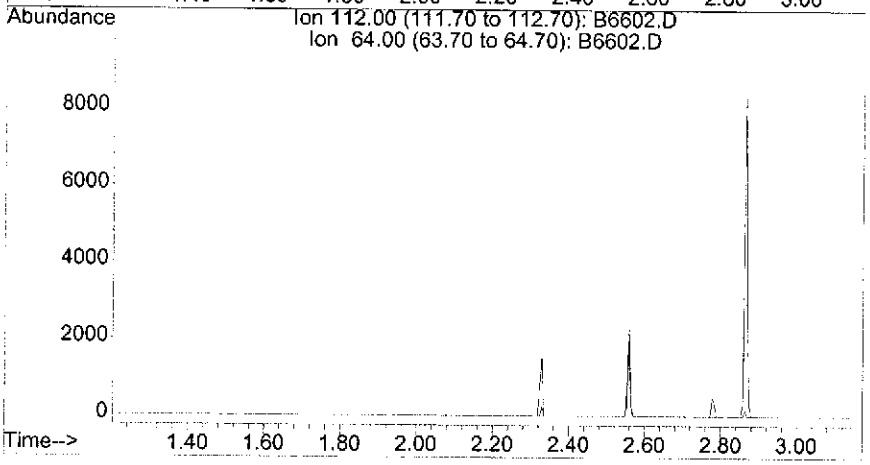


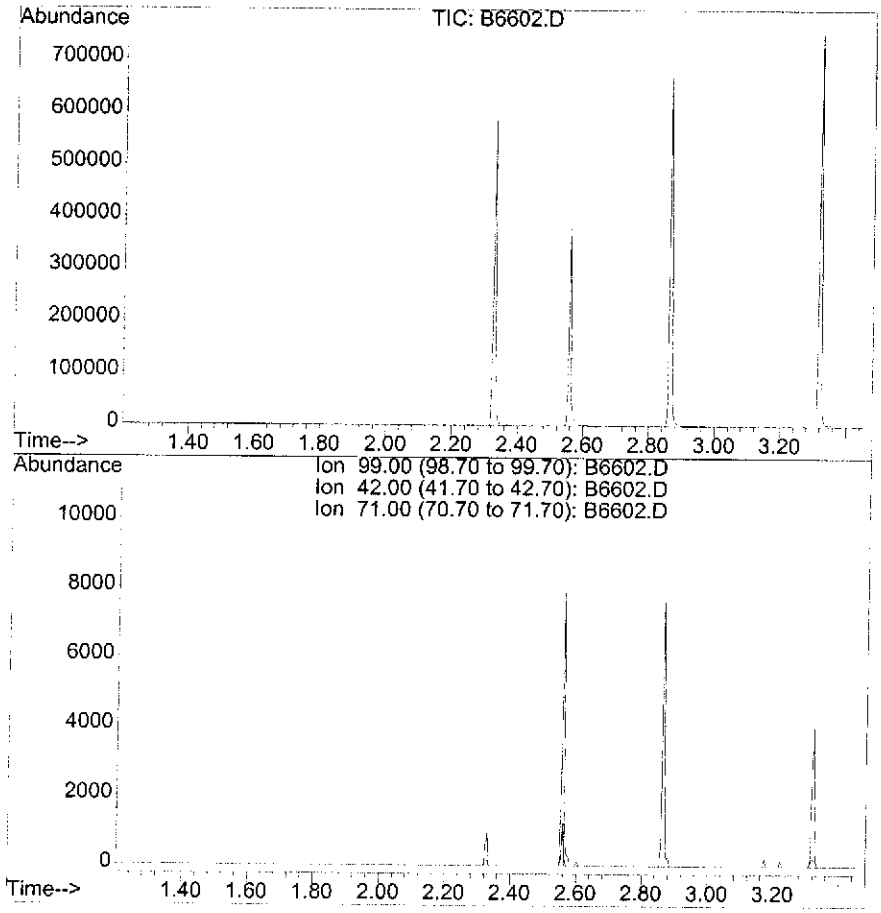
#4
2-Fluorophenol
Concen: 0.00 UG
Expected RT: 1.83 min

Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	46.5



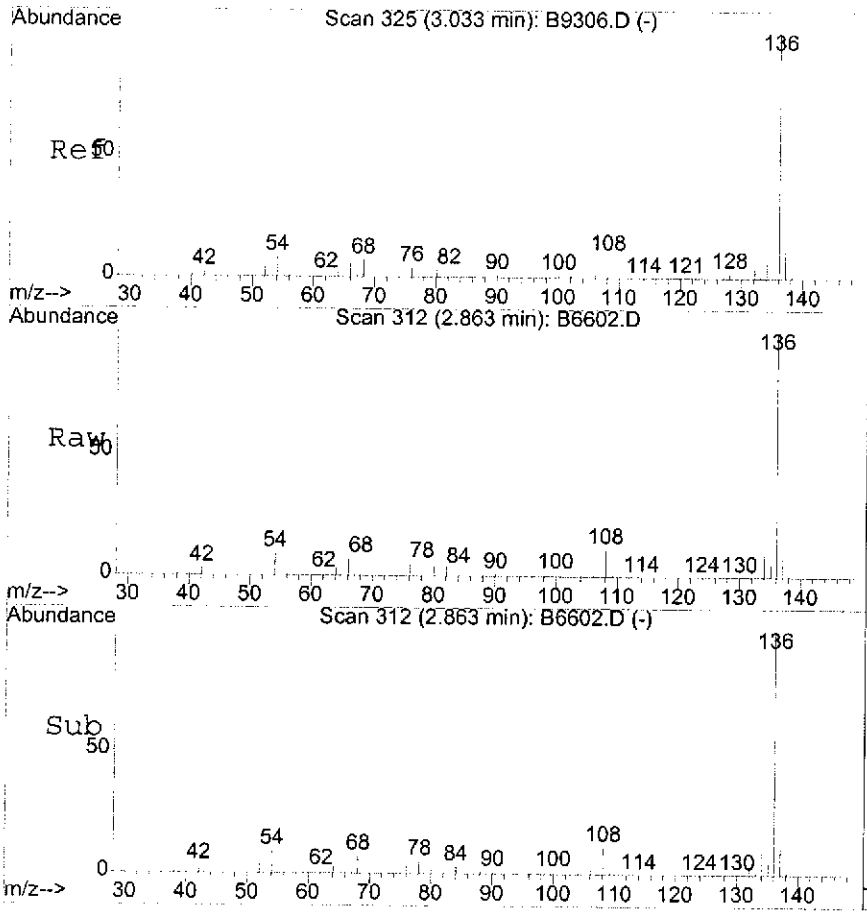


#6
Phenol-d5
Concen: 0.00 UG
Expected RT: 2.17 min

Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion: 99

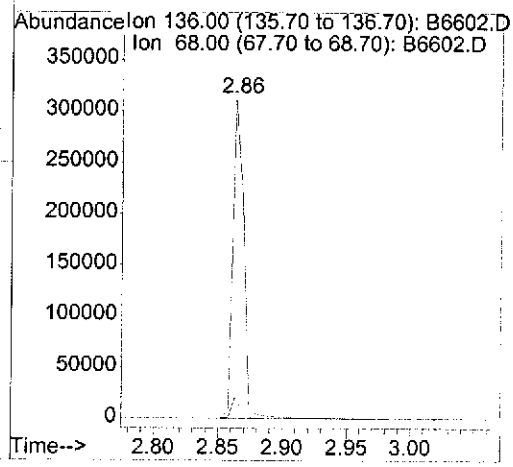
Sig	Exp Ratio
99	100
42	11.1
71	25.0

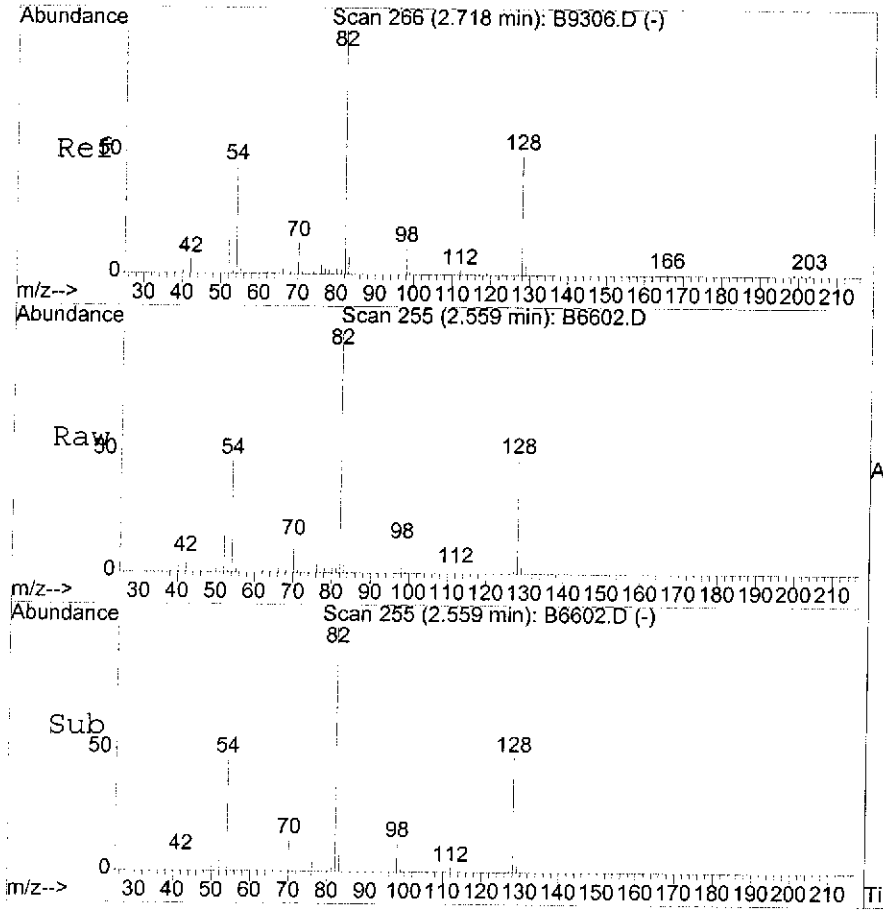


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.86 min Scan# 312
Delta R.T. -0.02 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion:136 Resp: 182380

Ion	Ratio	Lower	Upper
136	100		
68	5.3	5.1	7.7

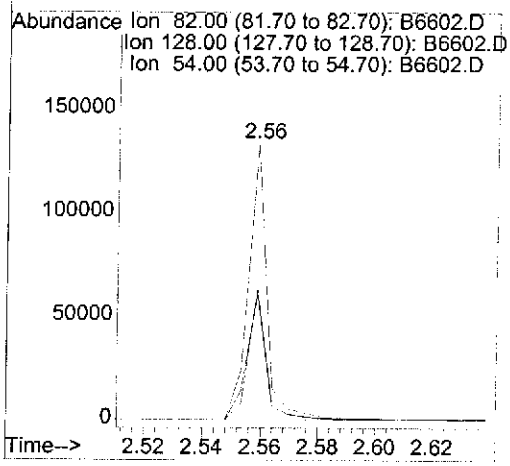


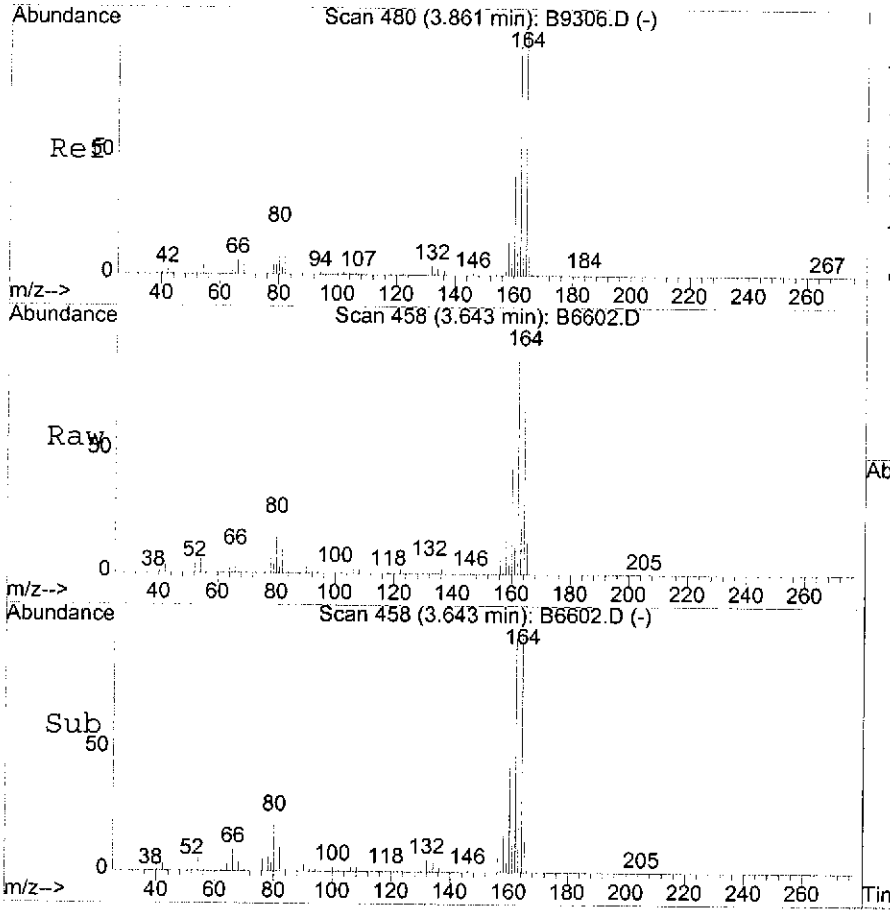


#24
Nitrobenzene-d5
Concen: 31.19 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion: 82 Resp: 59771

Ion	Ratio	Lower	Upper
82	100		
128	46.4	41.8	62.8
54	46.9	29.6	44.4#

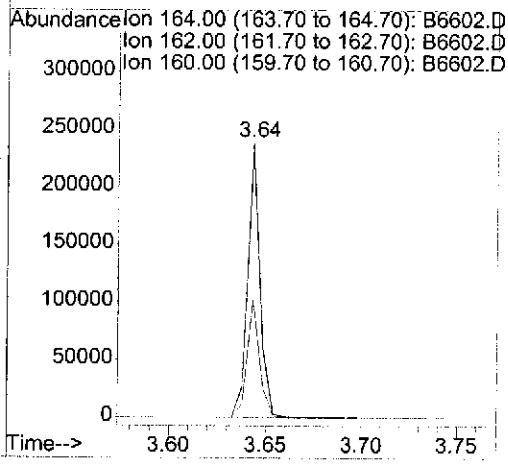


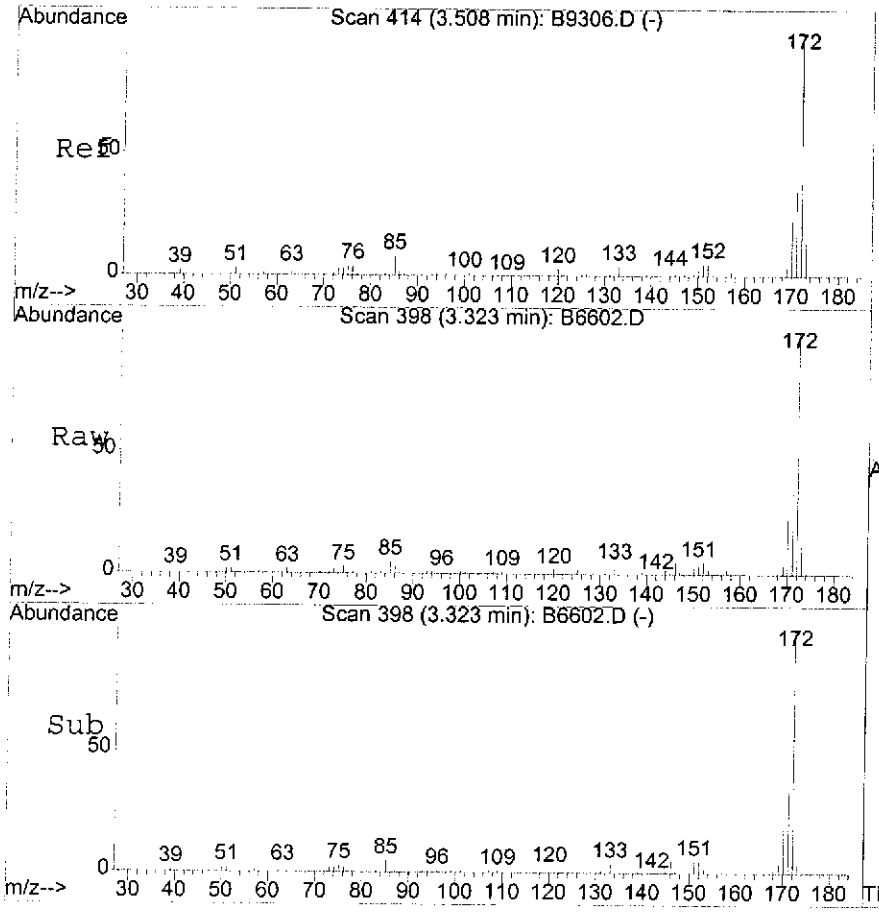


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.64 min Scan# 458
Delta R.T. -0.02 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion:164 Resp: 106597

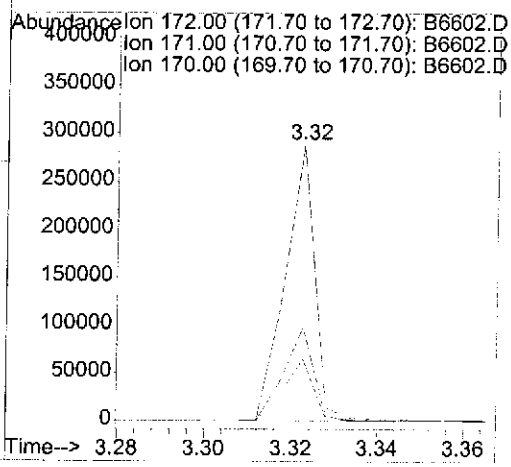
Ion	Ratio	Lower	Upper
164	100		
162	95.5	74.3	111.5
160	42.9	32.8	49.2

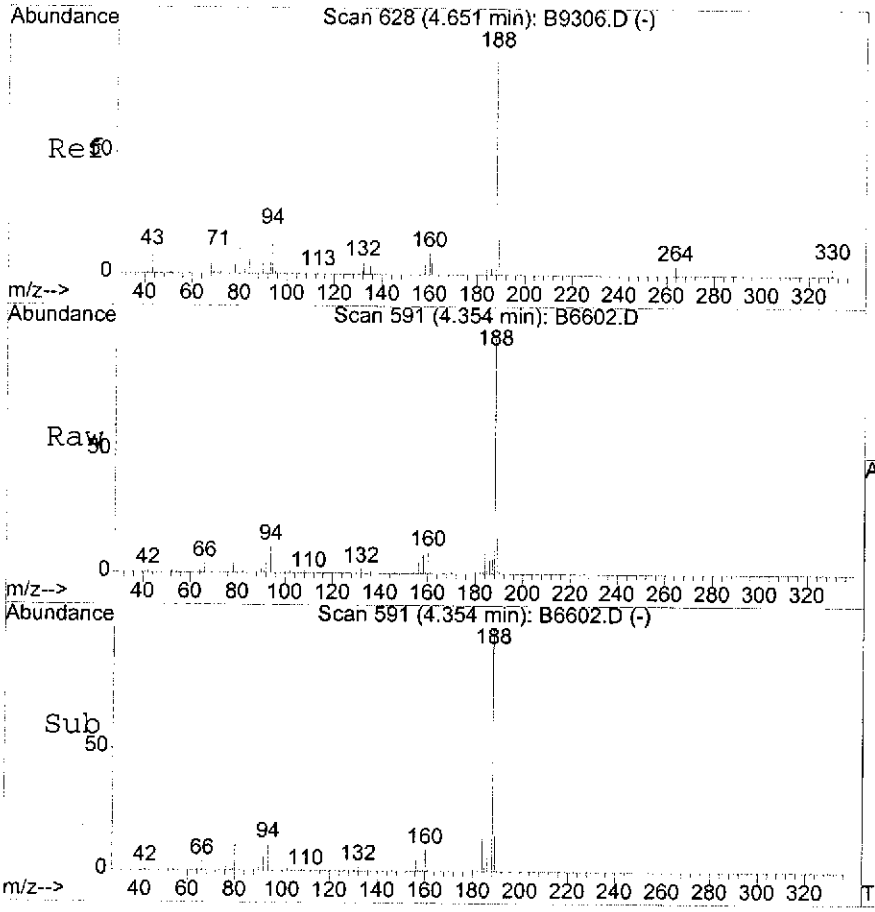




#47
2-Fluorobiphenyl
Concen: 37.22 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

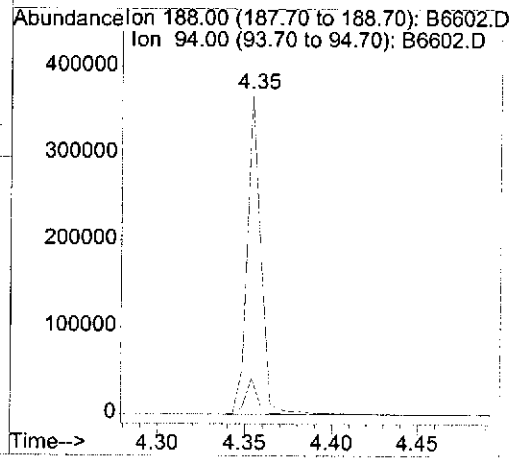
Tgt Ion:172	Resp:	136396	
Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.7	41.5
170	22.6	18.2	27.2

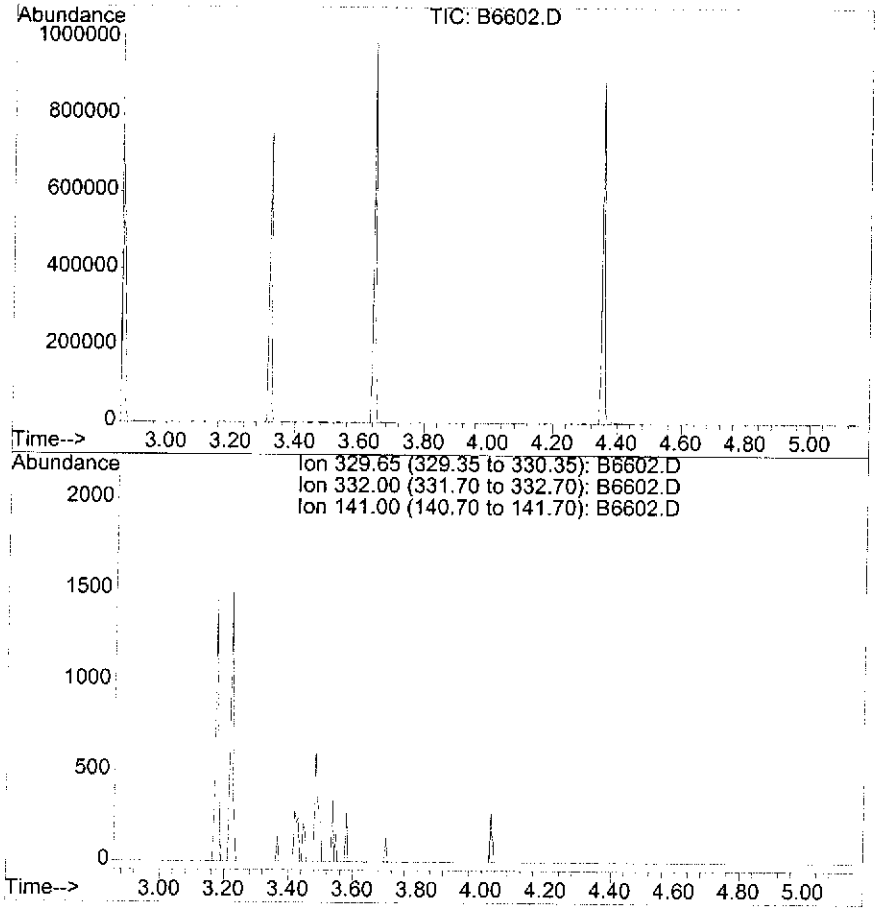




#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.35 min Scan# 591
Delta R.T. -0.03 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion:188	Resp:	200367	
Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.0



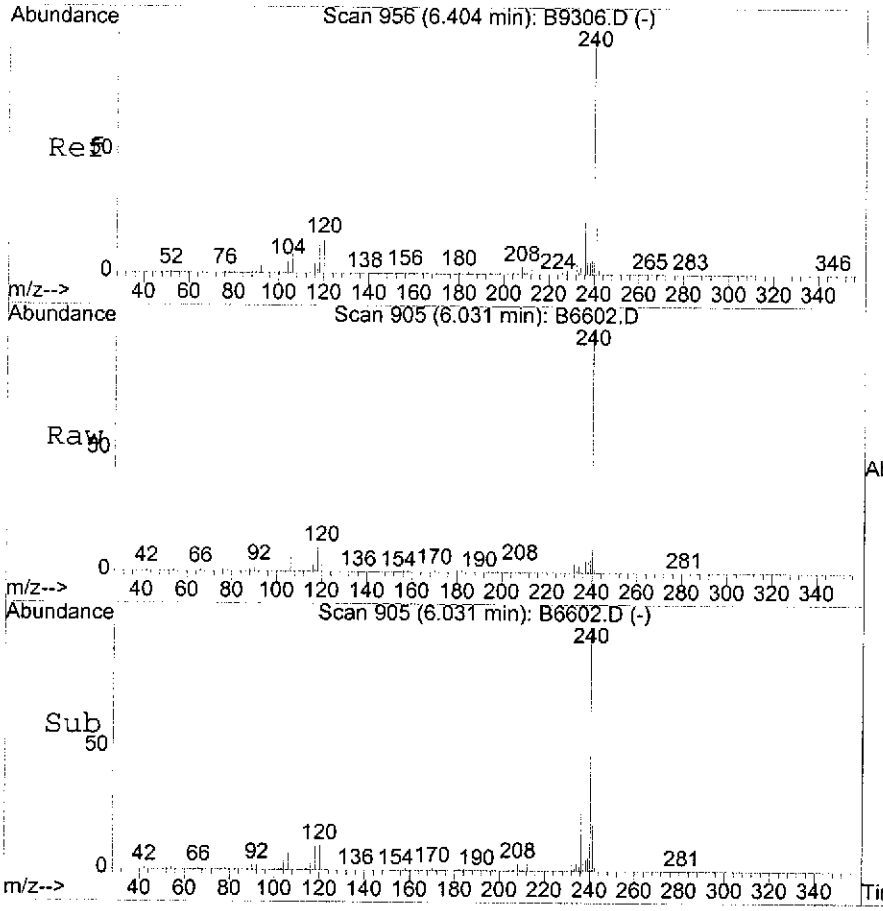


#70
2,4,6-Tribromophenol
Concen: 0.00 UG
Expected RT: 4.04 min

Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion: 330

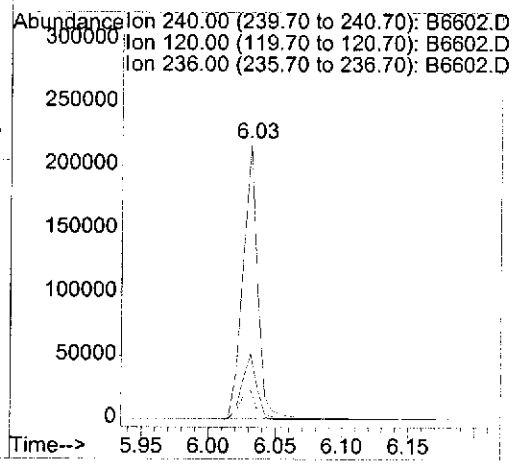
Sig	Exp Ratio
330	100
332	99.3
141	27.3

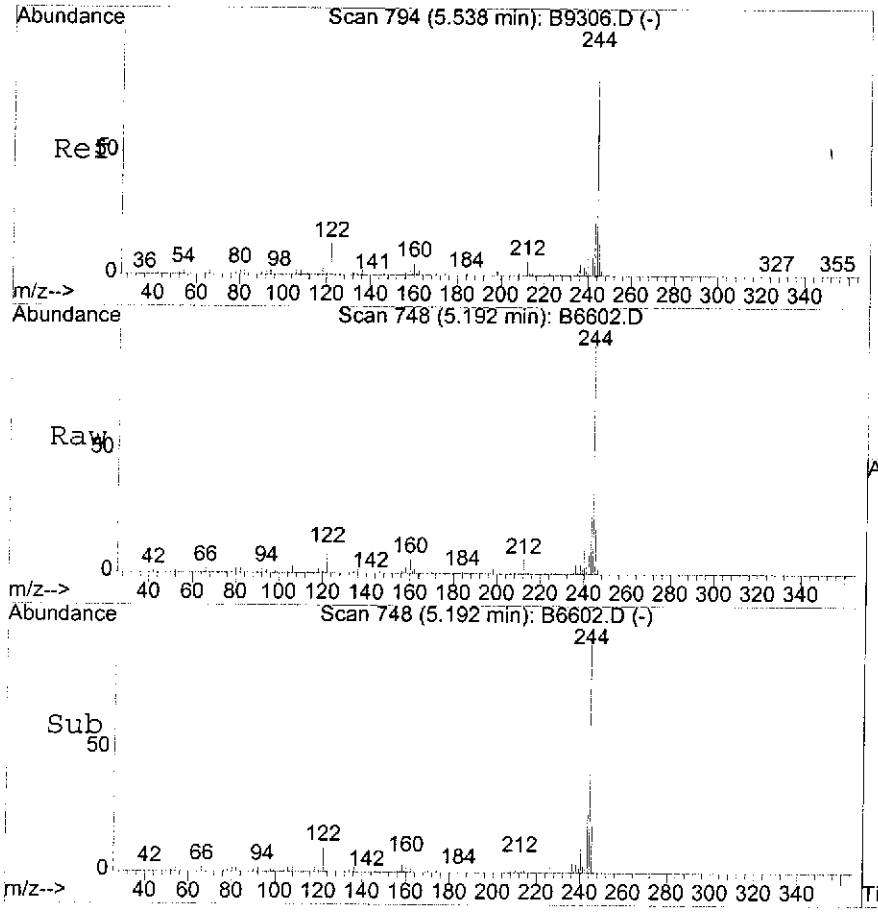


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.03 min Scan# 905
Delta R.T. -0.04 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion:240 Resp: 169675

Ion	Ratio	Lower	Upper
240	100		
120	10.9	11.7	17.5#
236	23.8	19.2	28.8

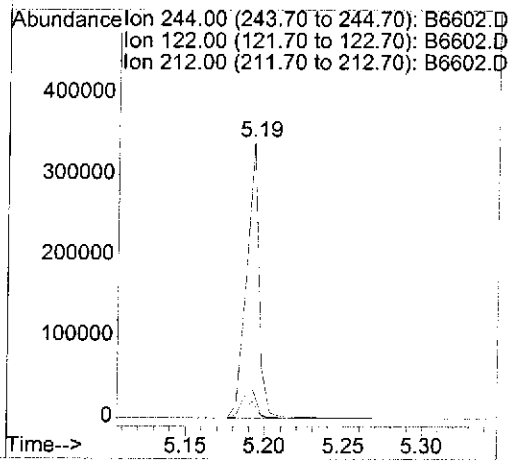


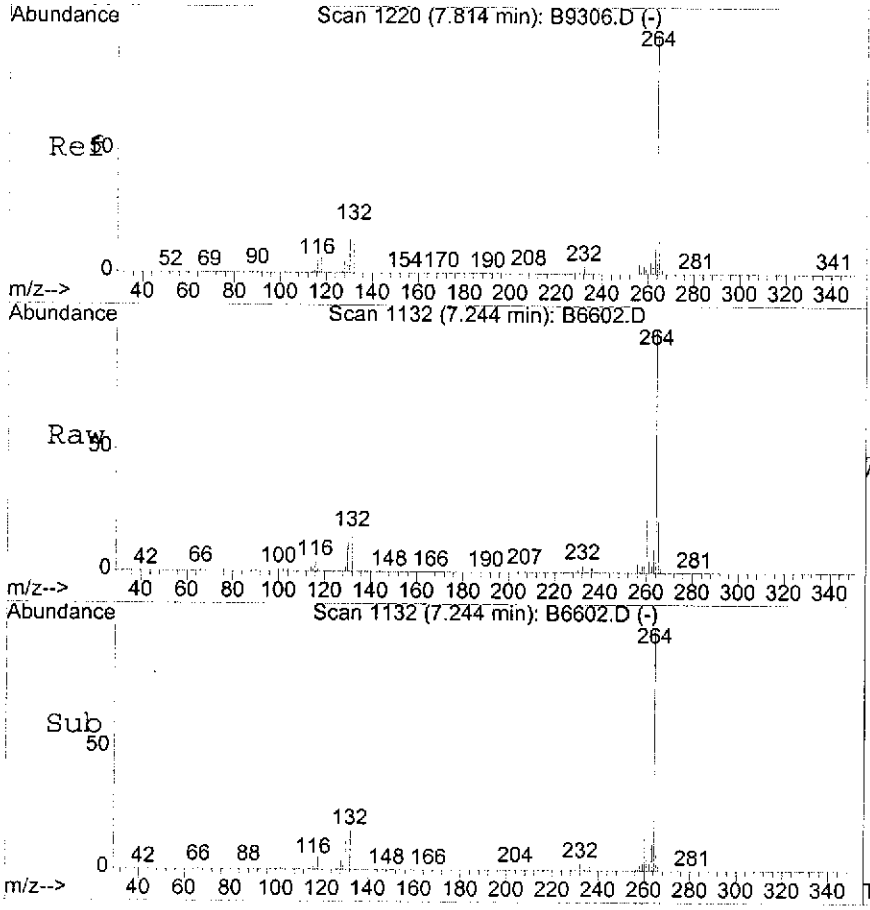


#84
Terphenyl-d14
Concen: 46.16 UG
RT: 5.19 min Scan# 748
Delta R.T. -0.04 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion:244 Resp: 188776

Ion	Ratio	Lower	Upper
244	100		
122	11.7	11.0	16.4
212	6.1	4.4	6.6

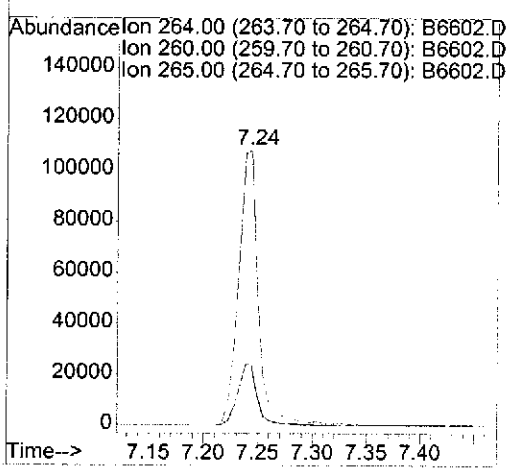




#92
Perylene-d12
Concen: 40.00 UG
RT: 7.24 min Scan# 1132
Delta R.T. -0.05 min
Lab File: B6602.D
Acq: 11 Apr 2008 19:57

Tgt Ion:264 Resp: 139330

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.8	26.8
265	21.4	17.3	25.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6581.D Vial: 15
Acq On : 11 Apr 2008 14:33 Operator: JC
Sample : .,Method_blank,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 14:43:29 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	58352	40.00	UG	-0.01
23) Naphthalene-d8	2.87	136	217666	40.00	UG	0.00
43) Acenaphthene-d10	3.72	164	125171	40.00	UG	0.05
66) Phenanthrene-d10	4.50	188	225362	40.00	UG	0.12
82) Chrysene-d12	6.26	240	233616	40.00	UG	0.19
92) Perylene-d12	7.45	264	155199	40.00	UG	0.15
System Monitoring Compounds						
4) 2-Fluorophenol	1.82	112	111528	59.93	UG	-0.02
Spiked Amount 100.000	Range 11 - 101		Recovery = 59.93%			
6) Phenol-d5	2.16	99	144666	60.29	UG	-0.02
Spiked Amount 100.000	Range 10 - 101		Recovery = 60.29%			
24) Nitrobenzene-d5	2.56	82	69619	30.44	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 60.88%			
47) 2-Fluorobiphenyl	3.37	172	166117m	38.61	UG	0.03
Spiked Amount 50.000	Range 34 - 98		Recovery = 77.22%			
70) 2,4,6-Tribromophenol	4.13	330	80406	81.21	UG	0.09
Spiked Amount 100.000	Range 28 - 113		Recovery = 81.21%			
84) Terphenyl-d14	5.44	244	191368	33.99	UG	0.21
Spiked Amount 50.000	Range 39 - 121		Recovery = 67.98%			

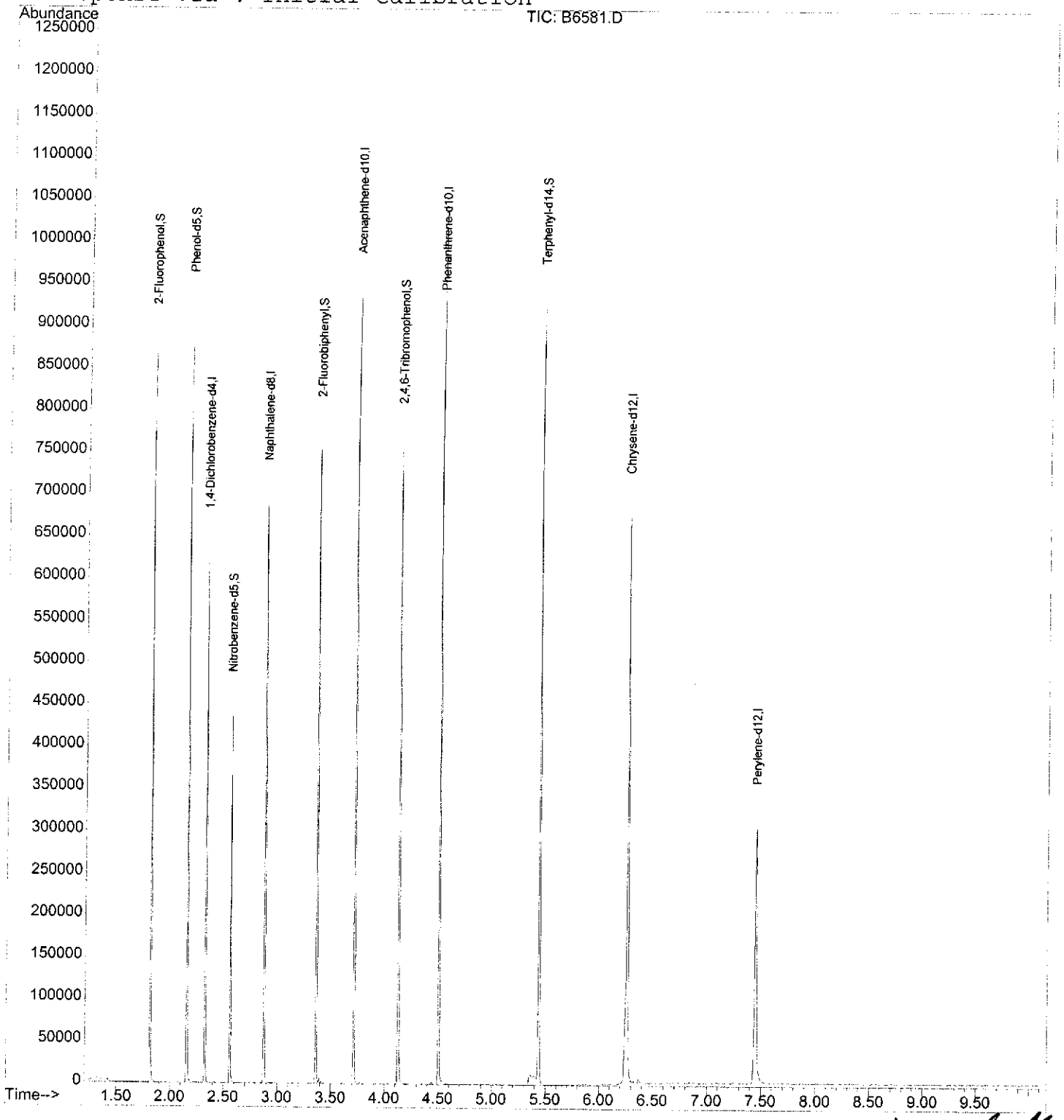
Target Compounds Qvalue

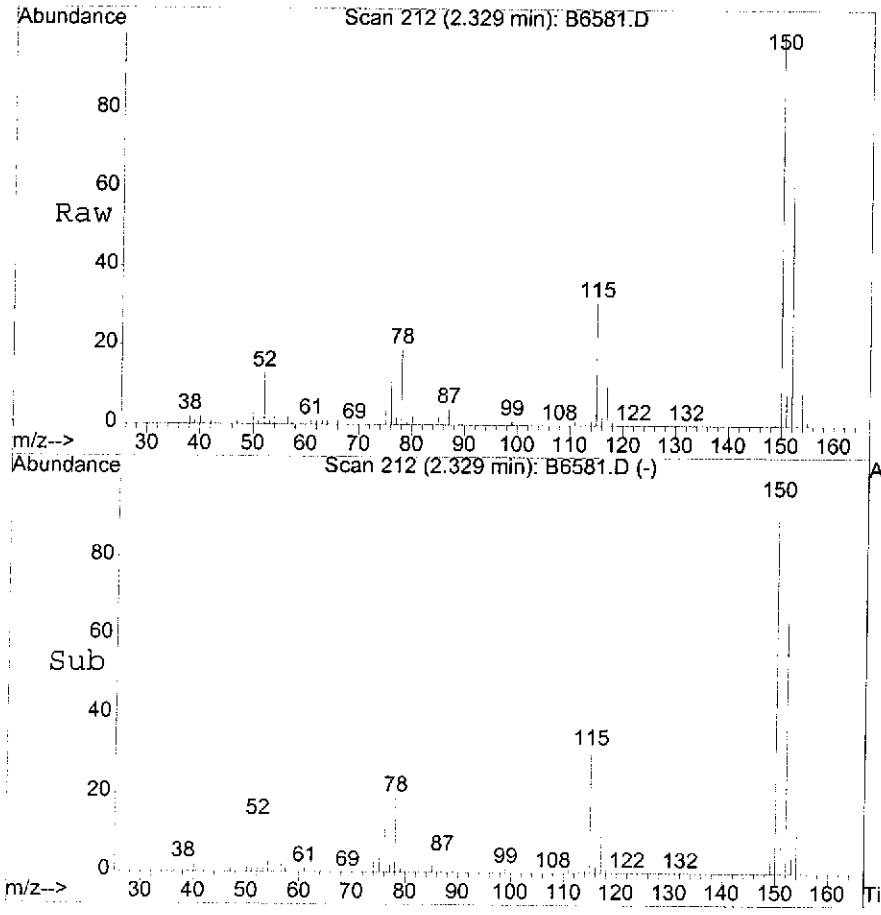
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6581.D Vial: 15
Acq On : 11 Apr 2008 14:33 Operator: JC
Sample : .,Method_blank,A,1000ml,100,04/09/08 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:14 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

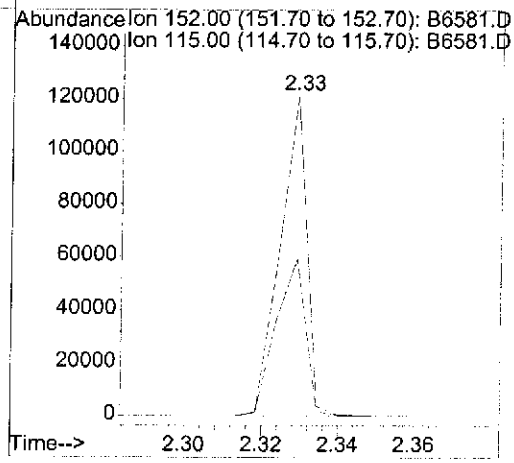


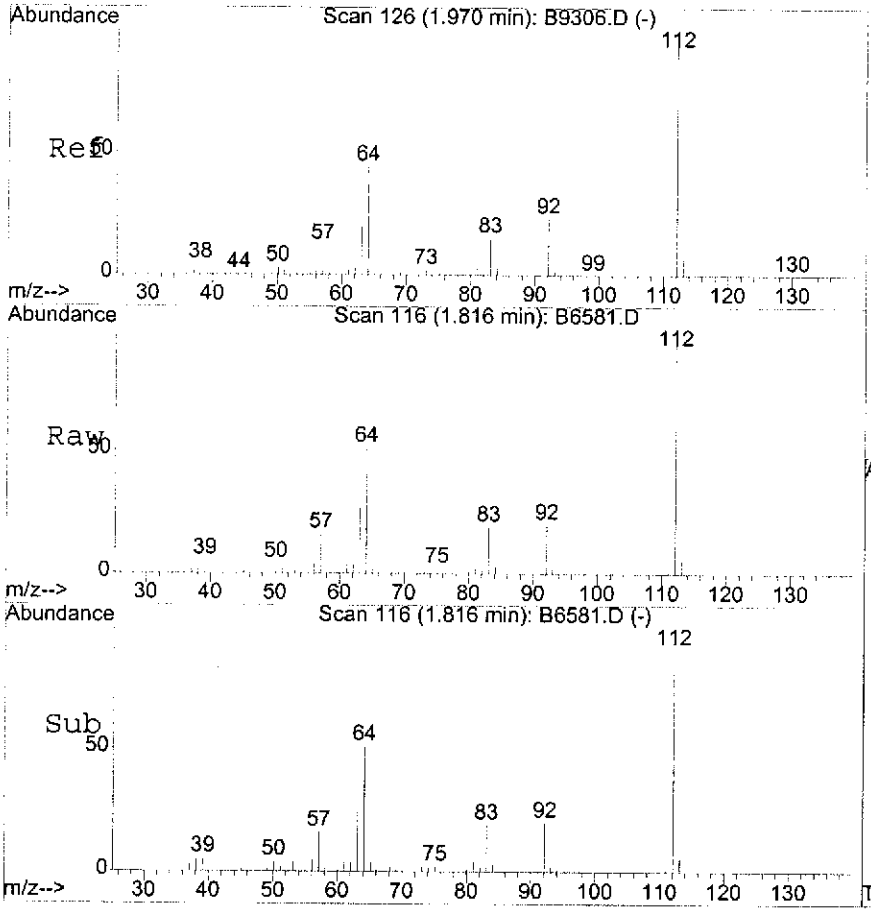


#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:152 Resp: 58352

Ion	Ratio	Lower	Upper
152	100		
115	54.5	42.7	64.1

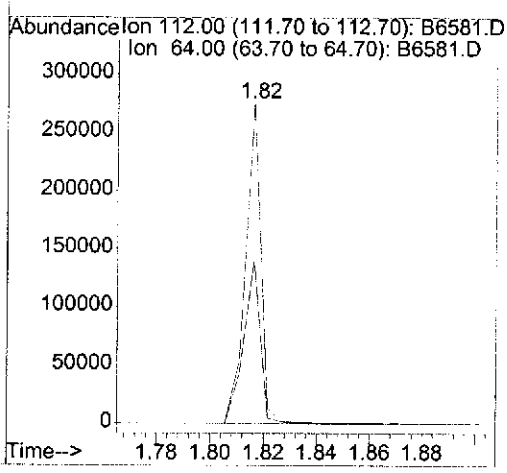


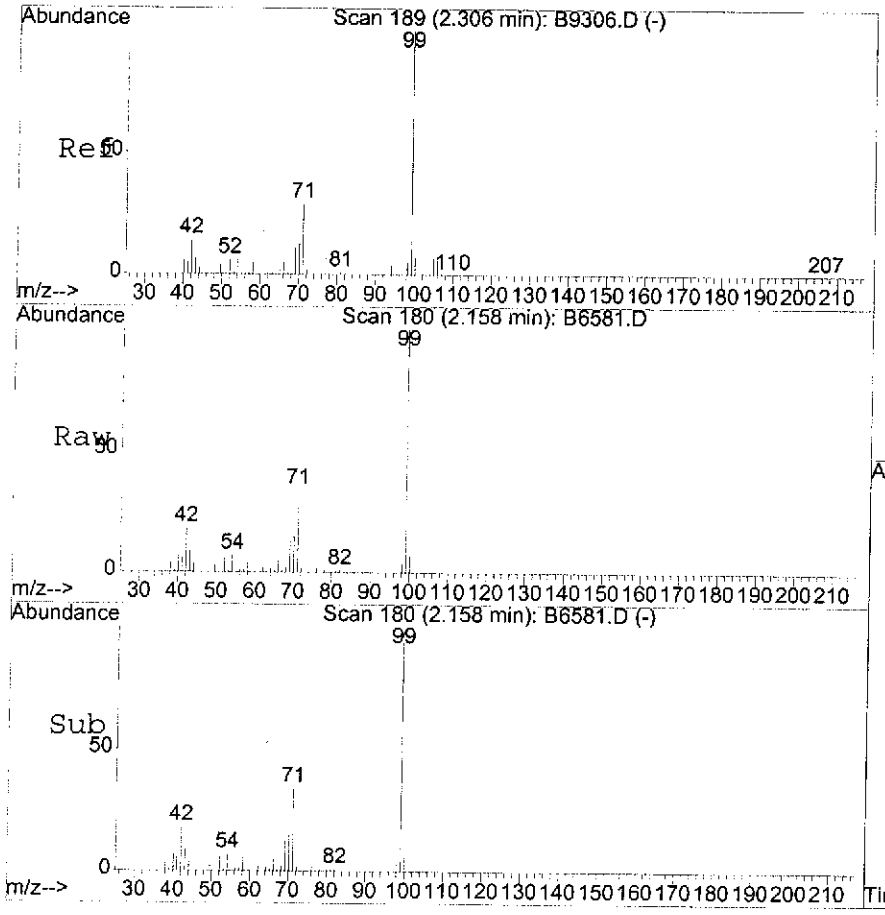


#4
2-Fluorophenol
Concen: 59.93 UG
RT: 1.82 min Scan# 116
Delta R.T. -0.02 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:112 Resp: 111528

Ion	Ratio	Lower	Upper
112	100		
64	55.2	37.2	55.8

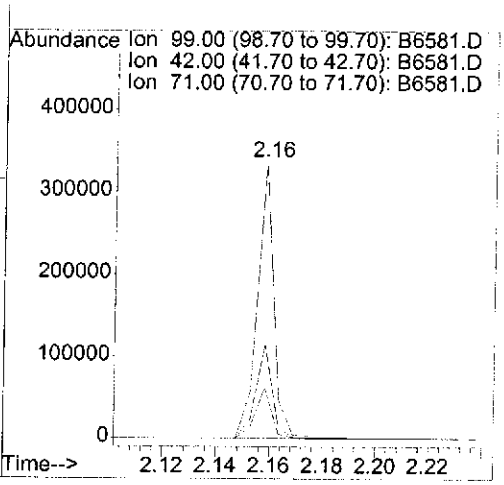


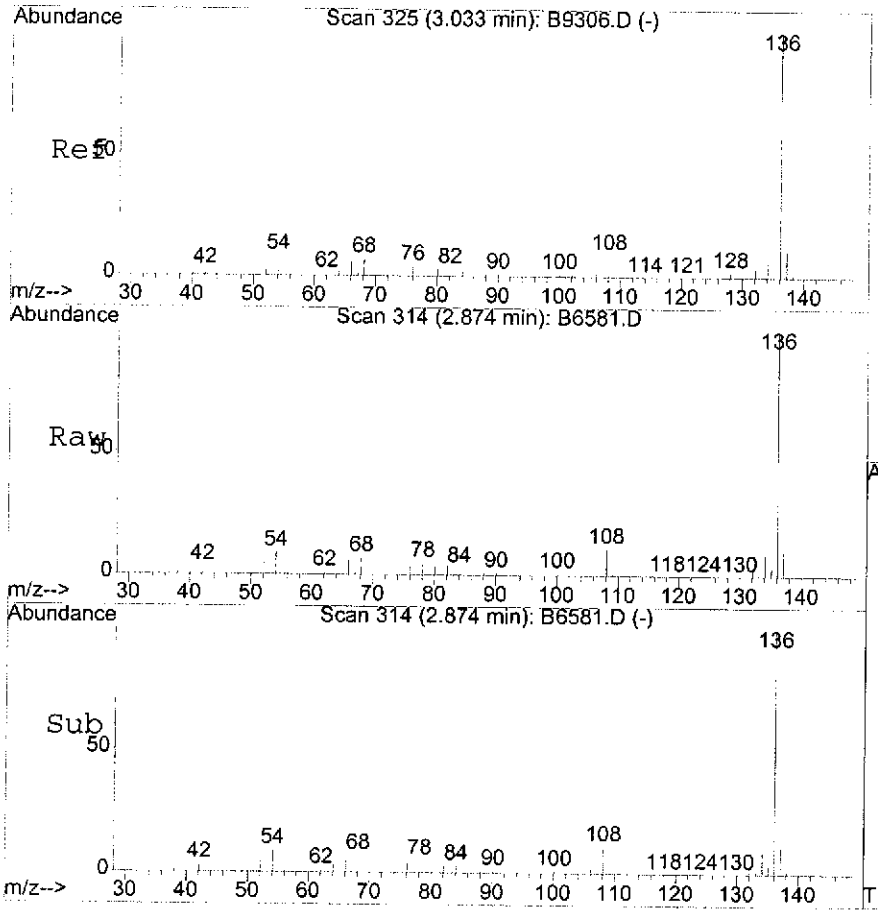


#6
Phenol-d5
Concen: 60.29 UG
RT: 2.16 min Scan# 180
Delta R.T. -0.02 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion: 99 Resp: 144666

Ion	Ratio	Lower	Upper
99	100		
42	18.4	8.9	13.3#
71	34.5	20.0	30.0#

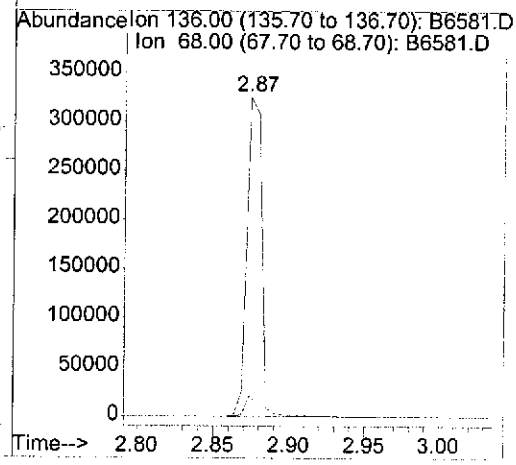


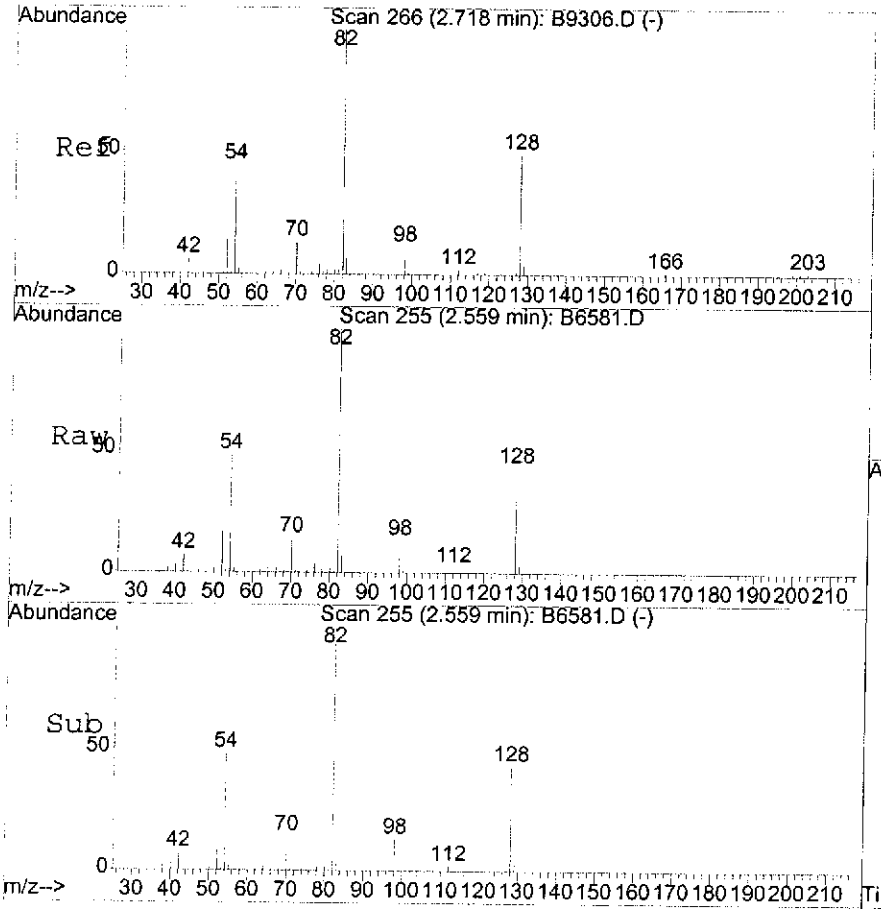


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.87 min Scan# 314
Delta R.T. -0.01 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:136 Resp: 217666

Ion	Ratio	Lower	Upper
136	100		
68	5.2	5.1	7.7

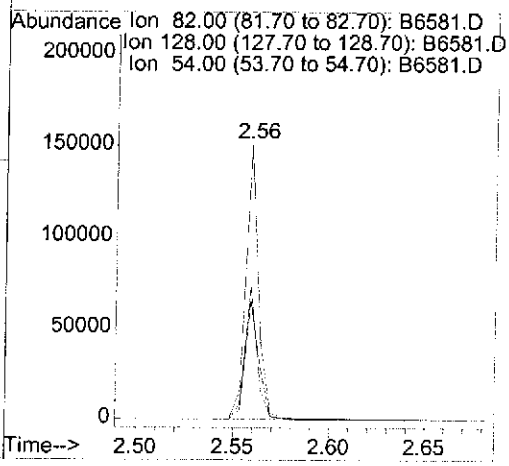


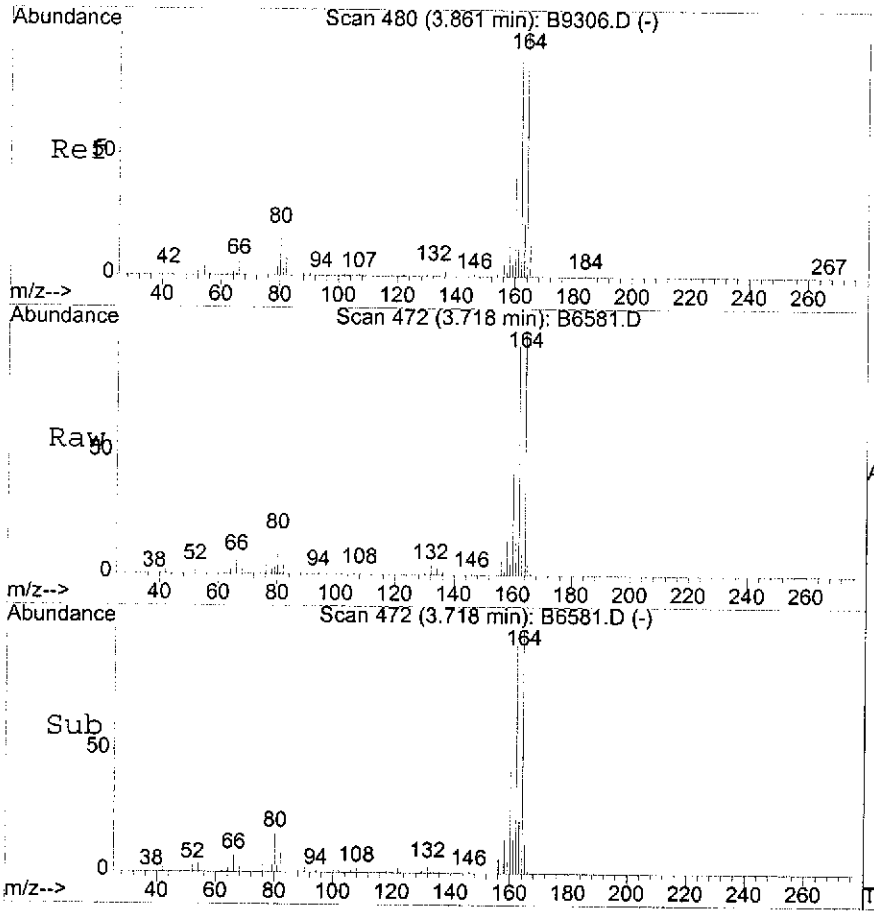


#24
Nitrobenzene-d5
Concen: 30.44 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion: 82 Resp: 69619

Ion	Ratio	Lower	Upper
82	100		
128	46.7	41.8	62.8
54	46.8	29.6	44.4#

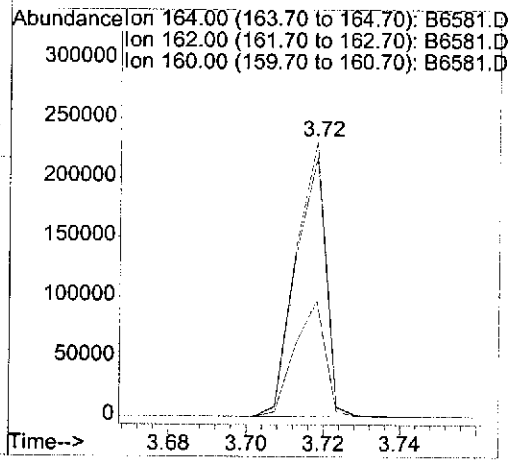


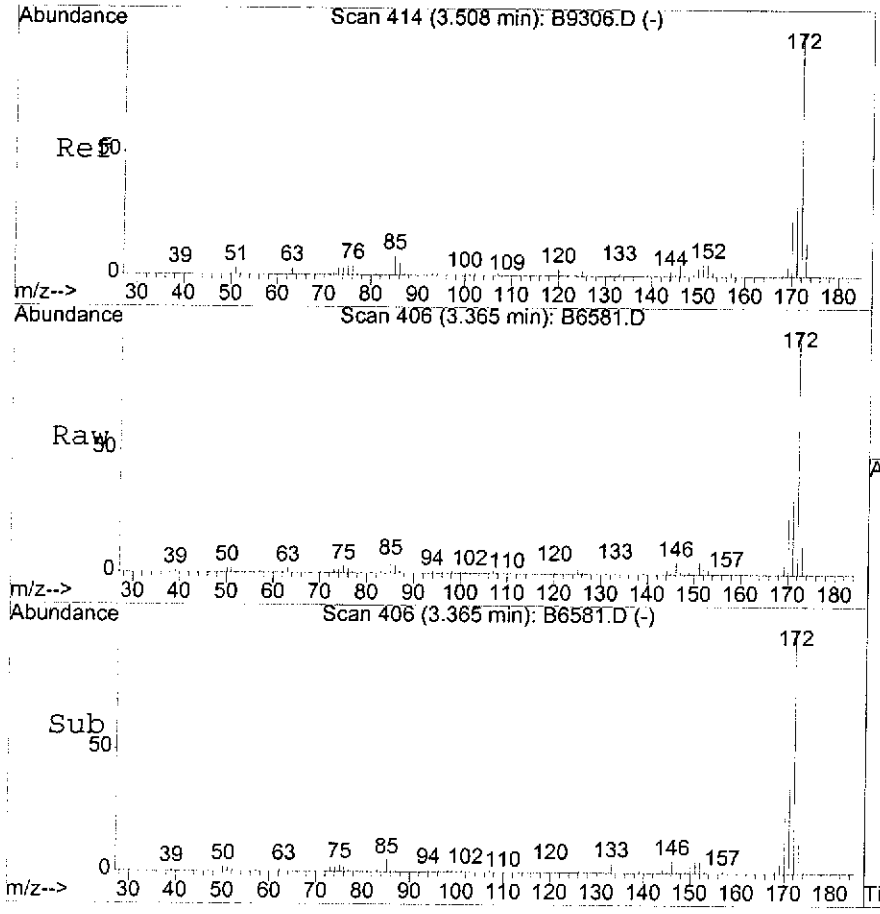


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.72 min Scan# 472
Delta R.T. 0.05 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:164 Resp: 125171

Ion	Ratio	Lower	Upper
164	100		
162	95.2	74.3	111.5
160	42.8	32.8	49.2

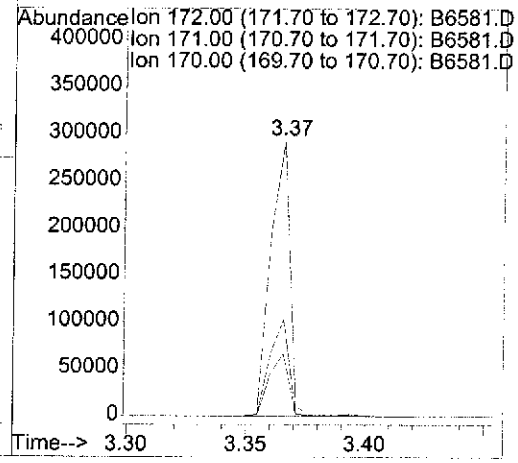


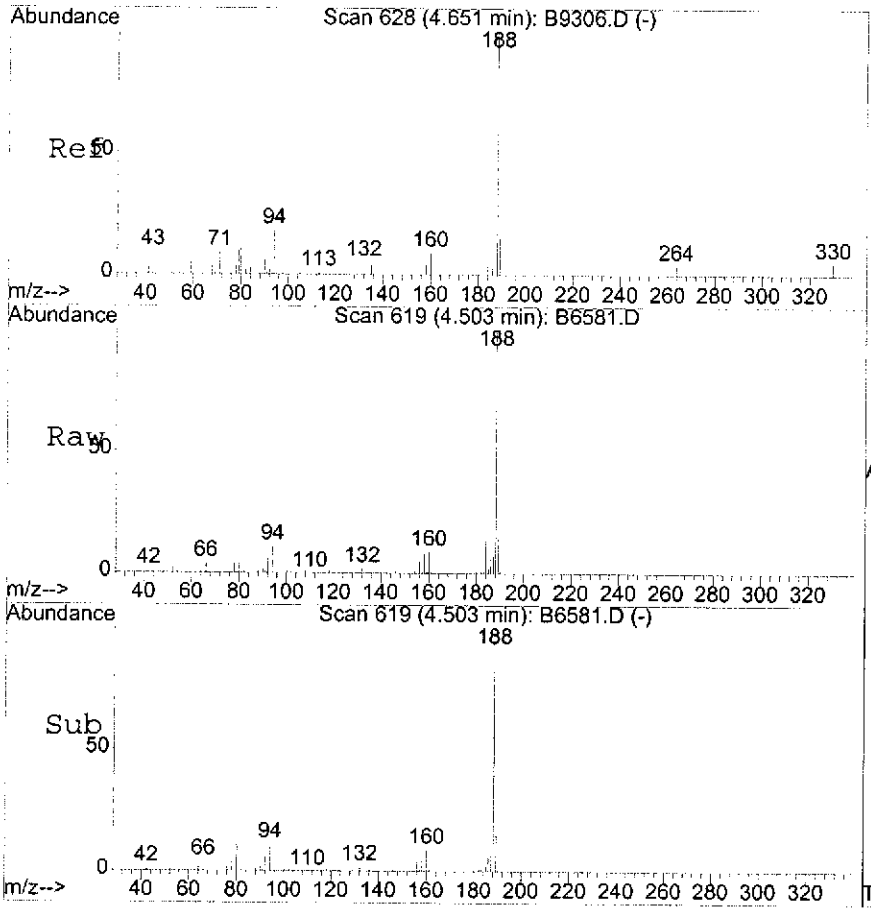


#47
2-Fluorobiphenyl
Concen: 38.61 UG m
RT: 3.37 min Scan# 406
Delta R.T. 0.03 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:172 Resp: 166117

Ion	Ratio	Lower	Upper
172	100		
171	0.4	27.7	41.5#
170	0.3	18.2	27.2#

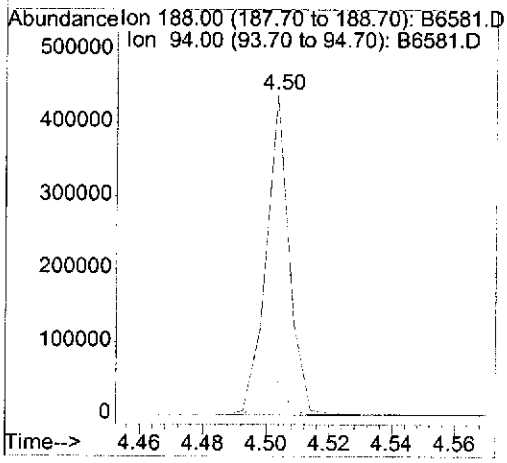


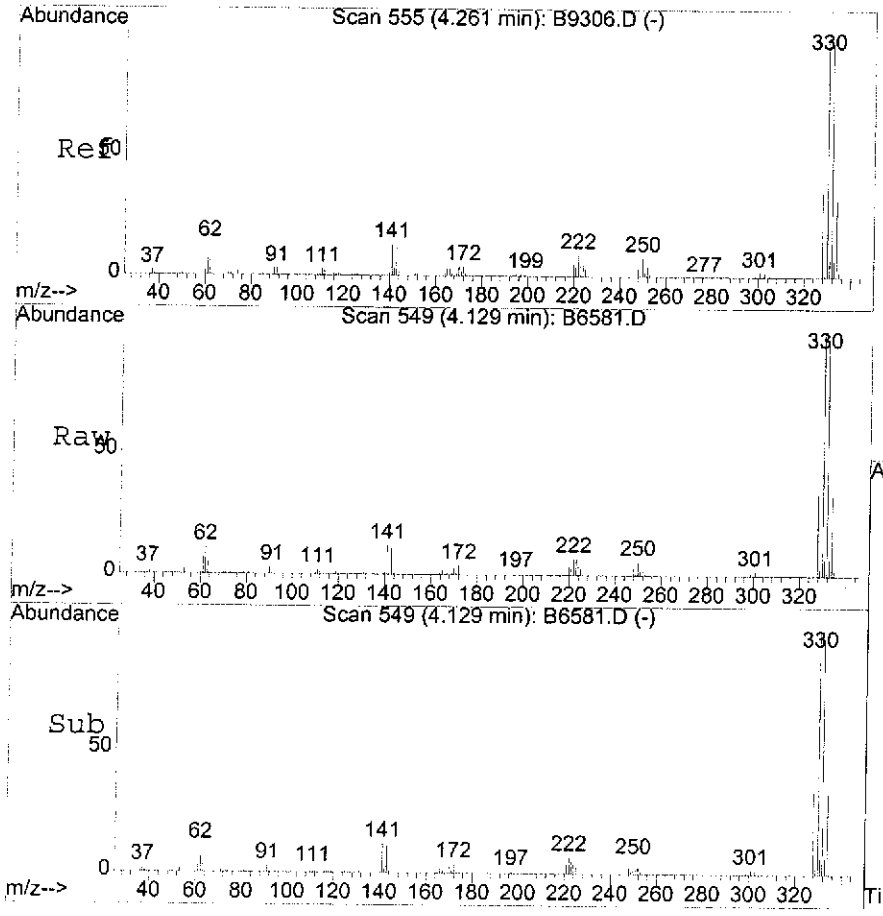


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.50 min Scan# 619
Delta R.T. 0.12 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:188 Resp: 225362

Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.0

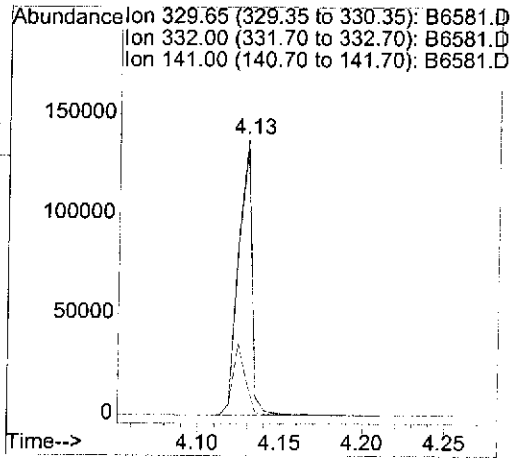


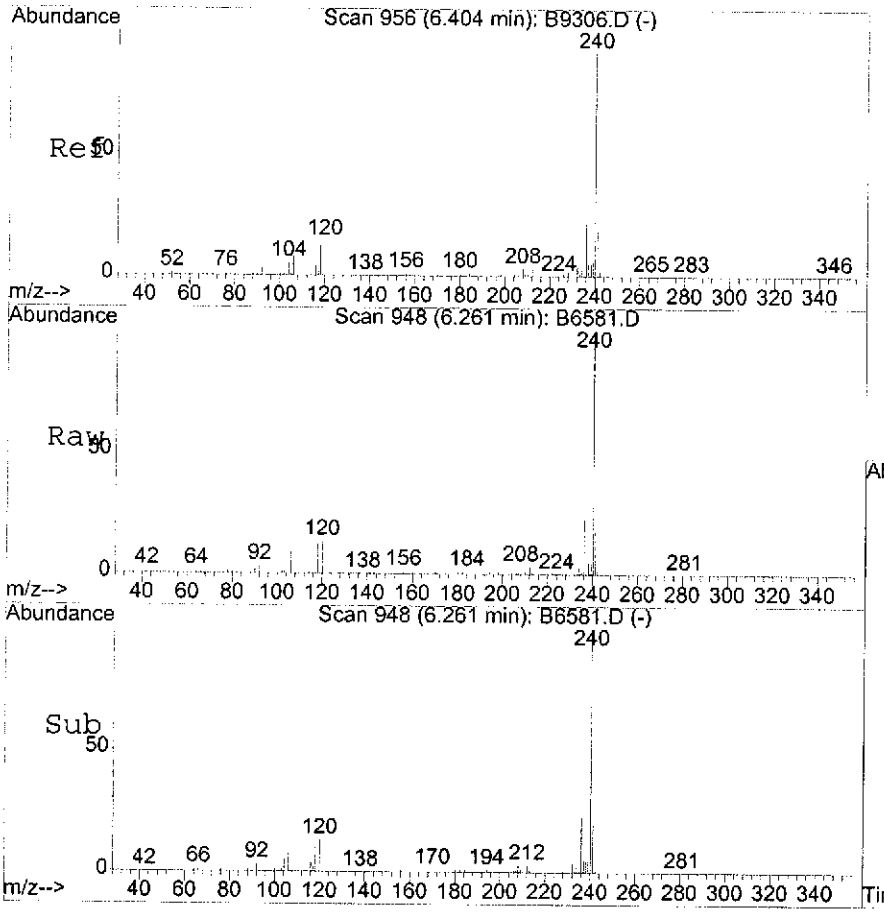


#70
2,4,6-Tribromophenol
Concen: 81.21 UG
RT: 4.13 min Scan# 549
Delta R.T. 0.09 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:330 Resp: 80406

Ion	Ratio	Lower	Upper
330	100		
332	95.1	79.4	119.2
141	24.0	21.8	32.8

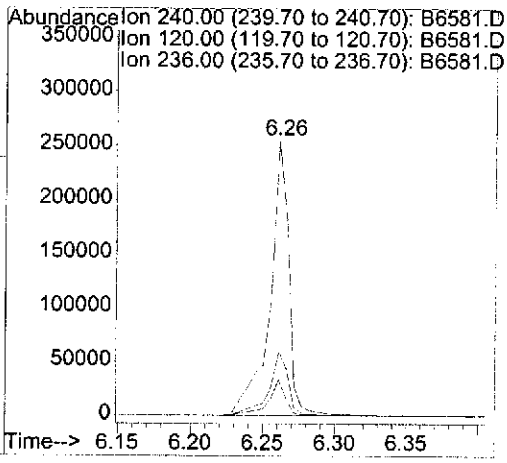


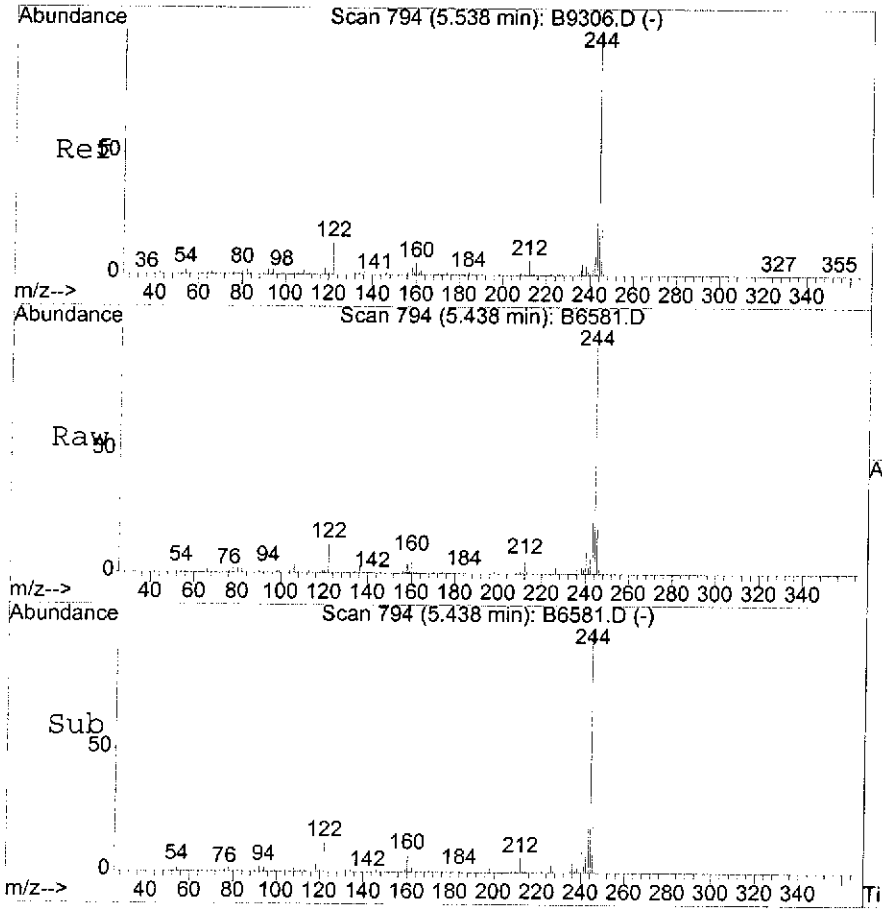


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.26 min Scan# 948
Delta R.T. 0.19 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:240 Resp: 233616

Ion	Ratio	Lower	Upper
240	100		
120	11.8	11.7	17.5
236	23.7	19.2	28.8

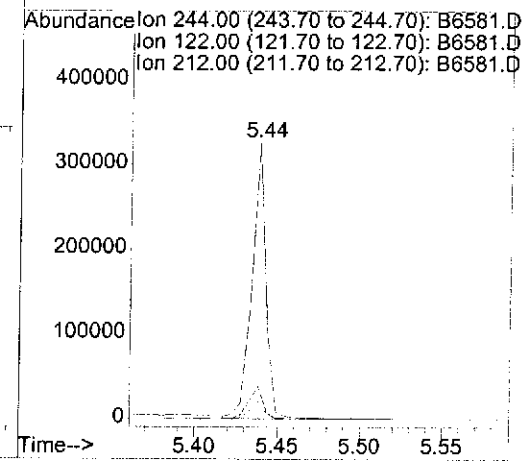


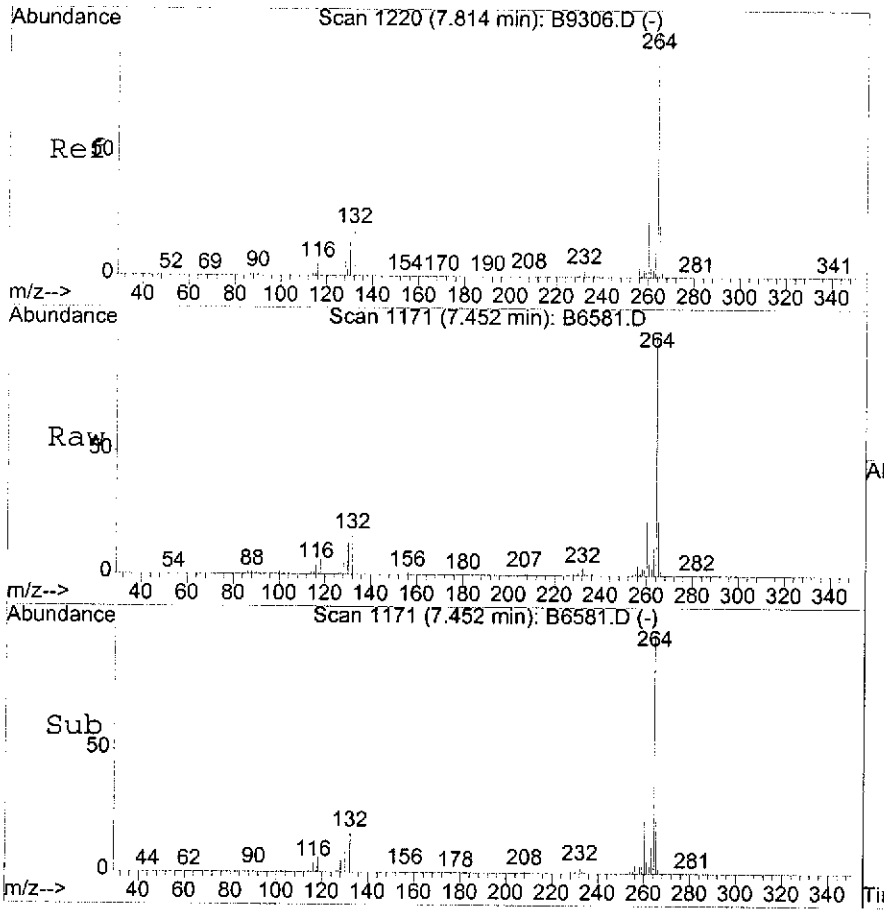


#84
Terphenyl-d14
Concen: 33.99 UG
RT: 5.44 min Scan# 794
Delta R.T. 0.21 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:244 Resp: 191368

Ion	Ratio	Lower	Upper
244	100		
122	12.0	11.0	16.4
212	6.5	4.4	6.6

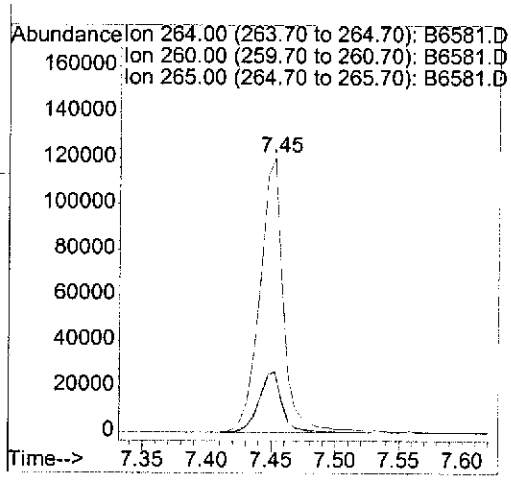




#92
Perylene-d12
Concen: 40.00 UG
RT: 7.45 min Scan# 1171
Delta R.T. 0.15 min
Lab File: B6581.D
Acq: 11 Apr 2008 14:33

Tgt Ion:264 Resp: 155199

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	21.6	17.3	25.9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6581.D
Acq On : 11 Apr 2008 14:33
Sample : .,Method_blank,A,1000ml,100,04/09/08
Misc : NA,NA,NA,1
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

Vial: 15
Operator: JC
Inst : MSD_B
Multiplr: 1.00

No Library Search Compounds Detected

****

B6581.D BW0708.M Tue Apr 15 07:41:41 2008 MSD_B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5969.D Vial: 81
Acq On : 26 Mar 2008 8:16 Operator: JC
Sample : ABN004.08,5ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 08:26:23 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 26 11:10:57 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	49164	40.00	UG	-0.03
23) Naphthalene-d8	2.88	136	198401	40.00	UG	-0.03
43) Acenaphthene-d10	3.68	164	117259	40.00	UG	-0.02
66) Phenanthrene-d10	4.42	188	214129	40.00	UG	0.00
82) Chrysene-d12	6.13	240	194332	40.00	UG	0.00
92) Perylene-d12	7.34	264	156441	40.00	UG	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	1.83	112	154943	99.19	UG	-0.02
Spiked Amount 100.000	Range 11 - 101		Recovery = 99.19%			
6) Phenol-d5	2.17	99	196346	104.28	UG	-0.03
Spiked Amount 100.000	Range 10 - 101		Recovery = 104.28%#			
24) Nitrobenzene-d5	2.57	82	100166	51.51	UG	-0.03
Spiked Amount 50.000	Range 29 - 101		Recovery = 103.02%#			
47) 2-Fluorobiphenyl	3.34	172	207286	54.09	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 108.18%#			
70) 2,4,6-Tribromophenol	4.07	330	98777	98.00	UG	0.00
Spiked Amount 100.000	Range 28 - 113		Recovery = 98.00%			
84) Terphenyl-d14	5.29	244	222974	49.02	UG	0.02
Spiked Amount 50.000	Range 39 - 121		Recovery = 98.04%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.31	74	5191	6.55	UG	# 51
3) Pyridine	1.34	52	5638	5.23	UG	# 73
5) Benzaldehyde	2.16	106	5693	5.91	UG	96
7) Phenol	2.18	94	12693	6.17	UG	# 1
8) Aniline	2.21	66	6685	5.73	UG	# 63
9) Bis(2-chloroethyl) ether	2.22	63	7524	5.95	UG	# 80
10) 2-Chlorophenol	2.27	128	9005	5.57	UG	# 87
11) 1,3-Dichlorobenzene	2.33	146	9639	5.04	UG	# 87
12) 1,4-Dichlorobenzene	2.35	146	9824	5.16	UG	# 90
13) Benzyl alcohol	2.38	108	7152	5.53	UG	# 80
14) 1,2-Dichlorobenzene	2.43	146	9372	5.07	UG	98
15) 2-Methylphenol	2.43	108	10108	5.63	UG	99
16) Bis(2-chloroisopropyl) eth	2.45	45	13964	6.56	UG	# 62
17) 4-Methylphenol	2.48	108	10243	5.52	UG	95
18) N-Nitrosodi-n-propylamine	2.50	70	7950	6.15	UG	# 78
19) Acetophenone	2.50	105	11981	5.30	UG	# 70
20) 2-Aminotoluene +4-Aminotol	2.52	106	31495	11.56	UG	100
21) Hexachloroethane	2.56	117	3773	5.45	UG	84
25) Nitrobenzene	2.58	77	10935	5.44	UG	# 84
26) Isophorone	2.67	82	18715	5.84	UG	# 90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5969.D Vial: 81
Acq On : 26 Mar 2008 8:16 Operator: JC
Sample : ABN004.08,5ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 08:26:23 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 26 11:10:57 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
27)	2-Nitrophenol	2.71	139	4616	4.70	UG	#	55
28)	2,4+2,5-Dimethylphenol	2.70	107	8728	4.82	UG		89
29)	Bis(2-chloroethoxy) methan	2.74	93	10703	5.49	UG		96
30)	Benzoic acid	2.73	122	3974	3.68	UG	#	85
31)	2,4-Dimethylaniline	2.79	121	10420	5.79	UG	#	100
32)	2,4-Dichlorophenol	2.82	162	7149	4.80	UG		96
33)	1,2,4-Trichlorobenzene	2.86	180	7458	4.52	UG		93
34)	Naphthalene	2.89	128	25984	4.98	UG	#	88
35)	4-Chloroaniline	2.90	127	15960	5.01	UG		96
37)	Hexachlorobutadiene	2.95	225	4652	4.49	UG		95
38)	Caprolactam	3.02	55	3959	6.02	UG	#	74
40)	4-Chloro-3-methylphenol	3.09	107	7340	4.78	UG		96
41)	2-Methylnaphthalene	3.18	142	20386	5.23	UG		100
44)	Hexachlorocyclopentadiene	3.29	237	4006	3.43	UG		97
45)	2,4,6-Trichlorophenol	3.31	196	4877	4.50	UG		96
46)	2,4,5-Trichlorophenol	3.33	196	6445	4.63	UG		96
48)	Biphenyl	3.39	154	21398	5.24	UG		97
49)	2-Chloronaphthalene	3.41	162	15669	4.82	UG		99
50)	2-Nitroaniline	3.44	65	6539	5.19	UG	#	68
51)	Dimethyl phthalate	3.52	163	18831	4.86	UG		99
52)	2,6-Dinitrotoluene	3.56	165	3844	4.75	UG	#	67
53)	Acenaphthylene	3.61	152	25714	5.05	UG		98
54)	3-Nitroaniline	3.63	138	5670	5.11	UG	#	32
55)	Acenaphthene	3.69	153	17152	5.18	UG		97
56)	2,4-Dinitrophenol	3.69	63	3500	14.23	UG	#	3
57)	4-Nitrophenol	3.69	65	4674	5.75	UG	#	100
58)	2,4-Dinitrotoluene	3.75	165	4903	4.90	UG	#	36
59)	Dibenzofuran	3.77	168	27675	4.74	UG		89
60)	Diethyl phthalate	3.85	149	18521	5.01	UG		99
61)	Fluorene	3.93	166	18720	4.95	UG		100
62)	4-Chlorophenyl phenyl ethe	3.91	204	8524	4.29	UG	#	88
63)	4-Nitroaniline	3.93	138	5579	4.61	UG	#	58
64)	1,2,4,5-Tetrachlorobenzene	3.27	216	7650	4.78	UG		97
67)	4,6-Dinitro-2-methylphenol	3.96	198	1785	2.89	UG	#	6
68)	N-Nitrosodiphenylamine	3.96	169	13458	4.97	UG		97
69)	1,2-Diphenylhydrazine	3.99	77	22738	5.52	UG	#	79
71)	4-Bromophenyl phenyl ether	4.16	248	5876	4.57	UG		89
72)	Hexachlorobenzene	4.26	284	7103	4.95	UG		98
73)	Atrazine	4.23	200	4748	4.82	UG		97
74)	Pentachlorophenol	4.34	266	2858	3.20	UG		96
75)	Phenanthrene	4.43	178	25607	4.87	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5969.D Vial: 81
Acq On : 26 Mar 2008 8:16 Operator: JC
Sample : ABN004.08,5ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 08:26:23 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 26 11:10:57 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

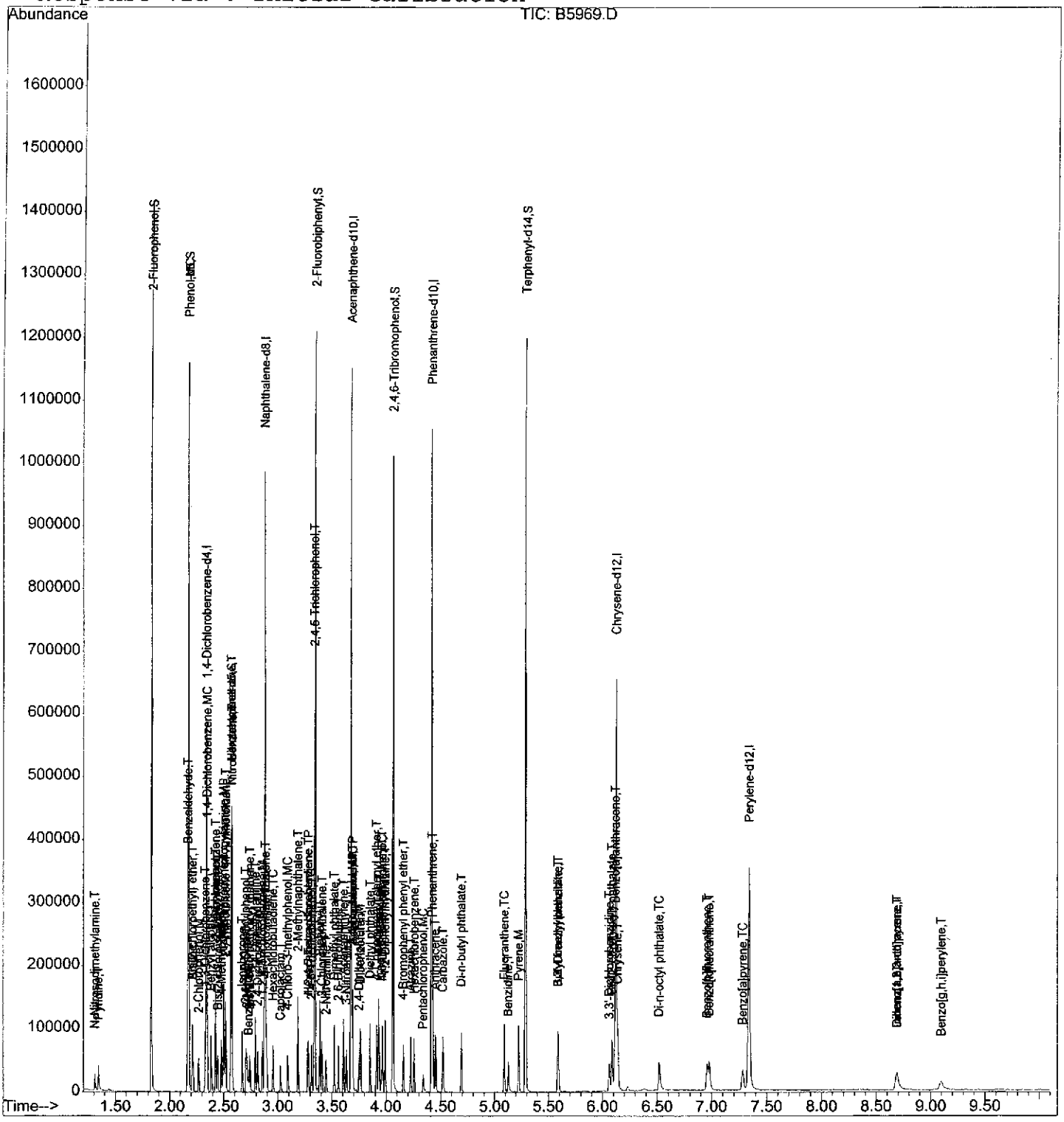
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
76)	Anthracene	4.46	178	27456	4.94	UG		97
77)	Carbazole	4.52	167	24465	5.05	UG		99
78)	Di-n-butyl phthalate	4.69	149	30104	5.04	UG	#	98
79)	Fluoranthene	5.09	202	25221	4.67	UG		97
80)	Benzidine	5.13	184	13797	4.87	UG	#	96
83)	Pyrene	5.22	202	27063	4.44	UG		97
85)	3,3'-Dimethylbenzidine	5.59	212	11243	3.84	UG	#	100
86)	Butyl benzyl phthalate	5.59	149	12830	5.07	UG	#	81
87)	3,3'-Dichlorobenzidine	6.06	252	10016	6.21	UG		98
88)	Benzo[a]anthracene	6.11	228	23605	4.78	UG		99
89)	Chrysene	6.14	228	23334	5.04	UG		98
90)	Bis(2-ethylhexyl) phthalat	6.08	149	17021	4.77	UG		96
93)	Di-n-octyl phthalate	6.52	149	25347	4.56	UG		99
94)	Benzo[b]fluoranthene	6.96	252	17405	4.14	UG	#	84
95)	Benzo[k]fluoranthene	6.98	252	21067	4.65	UG	#	89
96)	Benzo[a]pyrene	7.28	252	17505	4.66	UG		94
97)	Indeno[1,2,3-cd]pyrene	8.69	276	15868	3.93	UG		90
98)	Dibenz[a,h]anthracene	8.69	278	13928	4.13	UG	#	94
99)	Benzo[g,h,i]perylene	9.10	276	14570m	4.26	UG		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5969.D Vial: 81
Acq On : 26 Mar 2008 8:16 Operator: JC
Sample : ABN004.08,5ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 8:57 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5970.D Vial: 82
Acq On : 26 Mar 2008 8:31 Operator: JC
Sample : ABN005.08,10ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 08:41:45 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 26 11:10:57 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	46972	40.00	UG	-0.03
23) Naphthalene-d8	2.88	136	191388	40.00	UG	-0.03
43) Acenaphthene-d10	3.67	164	112153	40.00	UG	-0.03
66) Phenanthrene-d10	4.40	188	210935	40.00	UG	-0.02
82) Chrysene-d12	6.10	240	185904	40.00	UG	-0.03
92) Perylene-d12	7.32	264	143139	40.00	UG	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	1.83	112	172729	115.74	UG	-0.02
Spiked Amount 100.000	Range 11 - 101		Recovery = 115.74%#			
6) Phenol-d5	2.17	99	211736	117.70	UG	-0.03
Spiked Amount 100.000	Range 10 - 101		Recovery = 117.70%#			
24) Nitrobenzene-d5	2.57	82	85239	45.44	UG	-0.03
Spiked Amount 50.000	Range 29 - 101		Recovery = 90.88%			
47) 2-Fluorobiphenyl	3.34	172	151245	41.26	UG	-0.03
Spiked Amount 50.000	Range 34 - 98		Recovery = 82.52%			
70) 2,4,6-Tribromophenol	4.05	330	101990	102.72	UG	-0.02
Spiked Amount 100.000	Range 28 - 113		Recovery = 102.72%			
84) Terphenyl-d14	5.26	244	186590	42.88	UG	-0.01
Spiked Amount 50.000	Range 39 - 121		Recovery = 85.76%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.31	74	9100	12.02	UG	# 59
3) Pyridine	1.34	52	12774	12.40	UG	# 79
5) Benzaldehyde	2.16	106	9456	10.27	UG	96
7) Phenol	2.18	94	24259	12.34	UG	# 39
8) Aniline	2.21	66	13816	12.39	UG	# 59
9) Bis(2-chloroethyl) ether	2.22	63	14664	12.14	UG	# 85
10) 2-Chlorophenol	2.27	128	16567	10.72	UG	# 87
11) 1,3-Dichlorobenzene	2.33	146	19541	10.69	UG	98
12) 1,4-Dichlorobenzene	2.35	146	18468m	10.15	UG	
13) Benzyl alcohol	2.38	108	13612	11.02	UG	# 67
14) 1,2-Dichlorobenzene	2.43	146	18535	10.49	UG	99
15) 2-Methylphenol	2.43	108	20161	11.75	UG	98
16) Bis(2-chloroisopropyl) eth	2.45	45	27332	13.44	UG	# 60
17) 4-Methylphenol	2.48	108	20181	11.39	UG	99
18) N-Nitrosodi-n-propylamine	2.50	70	15555	12.60	UG	# 74
19) Acetophenone	2.50	105	24257	11.24	UG	# 65
20) 2-Aminotoluene +4-Aminotol	2.52	106	61689	23.69	UG	99
21) Hexachloroethane	2.56	117	7365	11.13	UG	# 83
25) Nitrobenzene	2.58	77	22852	11.79	UG	# 77
26) Isophorone	2.67	82	36046	11.67	UG	# 89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5970.D Vial: 82
Acq On : 26 Mar 2008 8:31 Operator: JC
Sample : ABN005.08,10ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 08:41:45 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 26 11:10:57 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
27)	2-Nitrophenol	2.71	139	9522	10.06	UG	#	54
28)	2,4+2,5-Dimethylphenol	2.70	107	18578	10.65	UG		85
29)	Bis(2-chloroethoxy) methan	2.74	93	21153	11.24	UG		96
30)	Benzoic acid	2.73	122	9365	8.99	UG	#	84
31)	2,4-Dimethylaniline	2.79	121	20674	11.90	UG	#	100
32)	2,4-Dichlorophenol	2.82	162	13696	9.53	UG		95
33)	1,2,4-Trichlorobenzene	2.86	180	15777	9.92	UG		99
34)	Naphthalene	2.89	128	52545	10.43	UG	#	87
35)	4-Chloroaniline	2.90	127	32834	10.68	UG		95
37)	Hexachlorobutadiene	2.95	225	8931	8.93	UG		97
38)	Caprolactam	3.03	55	8641	13.61	UG	#	70
40)	4-Chloro-3-methylphenol	3.09	107	15864	10.71	UG		93
41)	2-Methylnaphthalene	3.18	142	41777	11.11	UG		98
44)	Hexachlorocyclopentadiene	3.28	237	8056	7.21	UG		98
45)	2,4,6-Trichlorophenol	3.31	196	9742	9.40	UG		97
46)	2,4,5-Trichlorophenol	3.33	196	13009	9.77	UG		97
48)	Biphenyl	3.38	154	40462	10.36	UG		99
49)	2-Chloronaphthalene	3.40	162	31753	10.22	UG		98
50)	2-Nitroaniline	3.44	65	14155	11.74	UG	#	69
51)	Dimethyl phthalate	3.51	163	37387	10.09	UG		99
52)	2,6-Dinitrotoluene	3.56	165	7992	10.32	UG	#	78
53)	Acenaphthylene	3.60	152	53250	10.93	UG		99
54)	3-Nitroaniline	3.63	138	11280	10.62	UG	#	19
55)	Acenaphthene	3.69	153	33644	10.63	UG		99
56)	2,4-Dinitrophenol	3.68	63	7851	33.37	UG	#	1
57)	4-Nitrophenol	3.68	65	8848	11.39	UG	#	100
58)	2,4-Dinitrotoluene	3.74	165	9367	9.78	UG	#	29
59)	Dibenzofuran	3.76	168	56945	10.20	UG		91
60)	Diethyl phthalate	3.85	149	36765	10.39	UG		98
61)	Fluorene	3.92	166	37381	10.33	UG		98
62)	4-Chlorophenyl phenyl ethe	3.90	204	17851	9.39	UG		90
63)	4-Nitroaniline	3.92	138	12565	10.84	UG	#	64
64)	1,2,4,5-Tetrachlorobenzene	3.27	216	14222	9.29	UG		97
67)	4,6-Dinitro-2-methylphenol	3.95	198	4317	7.10	UG	#	22
68)	N-Nitrosodiphenylamine	3.96	169	27302	10.24	UG		96
69)	1,2-Diphenylhydrazine	3.98	77	46444	11.45	UG	#	80
71)	4-Bromophenyl phenyl ether	4.15	248	11790	9.32	UG		95
72)	Hexachlorobenzene	4.24	284	13801	9.76	UG		97
73)	Atrazine	4.21	200	9467	9.76	UG		97
74)	Pentachlorophenol	4.32	266	6491	7.39	UG		99
75)	Phenanthrene	4.41	178	53187	10.27	UG		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5970.D Vial: 82
Acq On : 26 Mar 2008 8:31 Operator: JC
Sample : ABN005.08,10ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 08:41:45 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 26 11:10:57 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

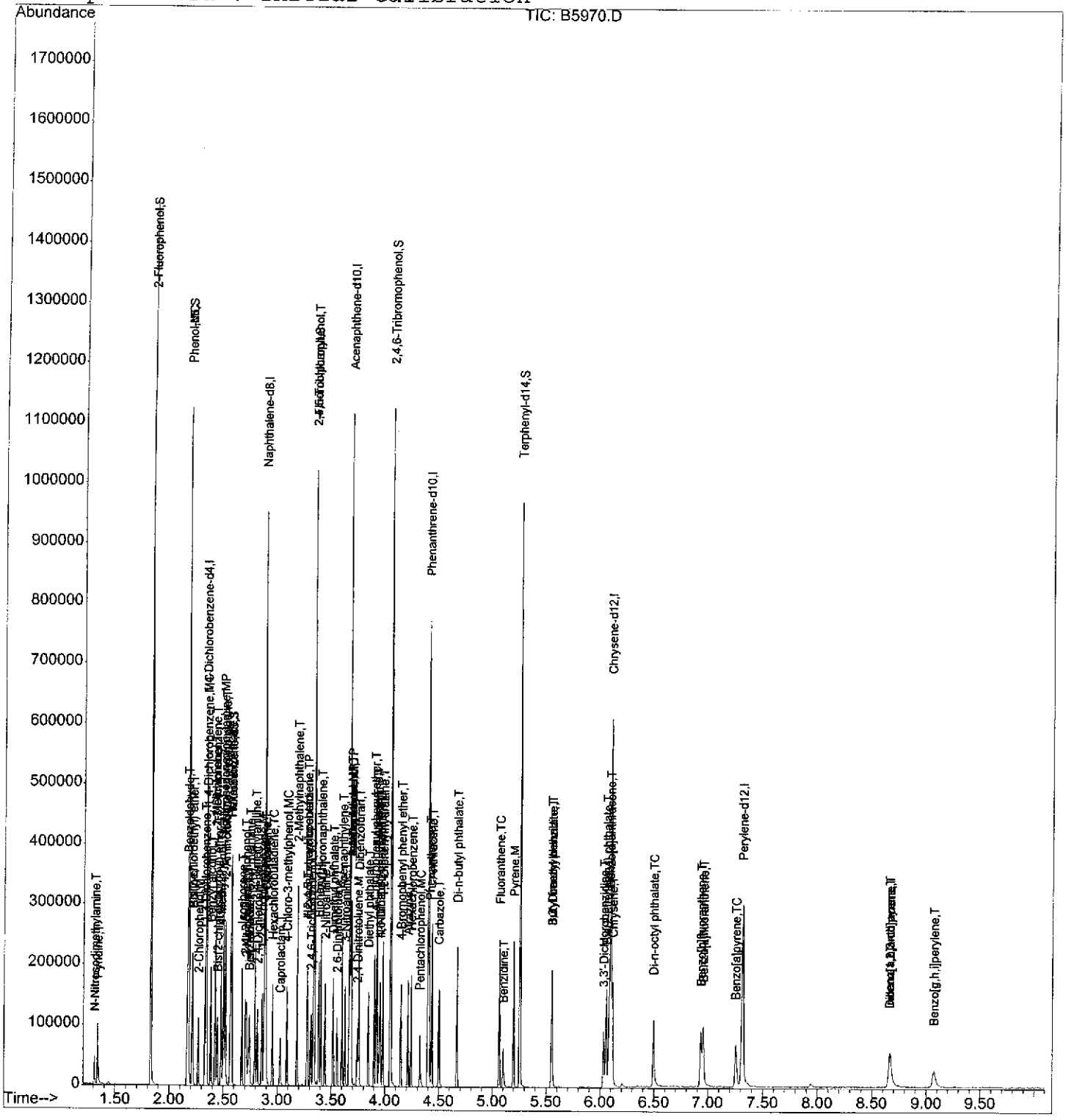
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
76)	Anthracene	4.43	178	54779	10.01	UG		98
77)	Carbazole	4.50	167	50359	10.55	UG		98
78)	Di-n-butyl phthalate	4.67	149	62586	10.64	UG	#	99
79)	Fluoranthene	5.06	202	53704	10.09	UG		98
80)	Benzidine	5.10	184	20035	7.18	UG	#	96
83)	Pyrene	5.20	202	57766	9.90	UG		96
85)	3,3'-Dimethylbenzidine	5.55	212	15605	5.57	UG	#	100
86)	Butyl benzyl phthalate	5.55	149	27000	11.16	UG	#	83
87)	3,3'-Dichlorobenzidine	6.03	252	17973	11.65	UG		99
88)	Benzo[a]anthracene	6.08	228	47498	10.04	UG		100
89)	Chrysene	6.12	228	46064	10.40	UG		99
90)	Bis(2-ethylhexyl) phthalat	6.06	149	36769	10.77	UG		95
93)	Di-n-octyl phthalate	6.50	149	54758	10.77	UG		100
94)	Benzo[b]fluoranthene	6.93	252	38848	10.10	UG	#	86
95)	Benzo[k]fluoranthene	6.96	252	39865	9.61	UG	#	87
96)	Benzo[a]pyrene	7.25	252	34396	10.01	UG		96
97)	Indeno[1,2,3-cd]pyrene	8.66	276	31740	8.60	UG		97
98)	Dibenz[a,h]anthracene	8.66	278	25545	8.29	UG		98
99)	Benzo[g,h,i]perylene	9.07	276	26260	8.40	UG		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5970.D Vial: 82
Acq On : 26 Mar 2008 8:31 Operator: JC
Sample : ABN005.08,10ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 8:58 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



0258

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5972.D Vial: 83
Acq On : 26 Mar 2008 9:17 Operator: JC
Sample : ABN007.08,50ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 09:27:42 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:00:37 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	50046	40.00	UG		0.00
23) Naphthalene-d8	2.88	136	200026	40.00	UG		0.00
43) Acenaphthene-d10	3.69	164	113955	40.00	UG		0.01
66) Phenanthrene-d10	4.43	188	202498	40.00	UG		0.01
82) Chrysene-d12	6.14	240	156465	40.00	UG		0.01
92) Perylene-d12	7.35	264	103628	40.00	UG		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	1.83	112	163592	101.72	UG		0.00
Spiked Amount 100.000	Range 11 - 101		Recovery = 101.72%#				
6) Phenol-d5	2.18	99	215779	111.46	UG		0.00
Spiked Amount 100.000	Range 10 - 101		Recovery = 111.46%#				
24) Nitrobenzene-d5	2.57	82	102566	51.69	UG		0.00
Spiked Amount 50.000	Range 29 - 101		Recovery = 103.38%#				
47) 2-Fluorobiphenyl	3.35	172	192085	51.90	UG		0.00
Spiked Amount 50.000	Range 34 - 98		Recovery = 103.80%#				
70) 2,4,6-Tribromophenol	4.08	330	88967	94.45	UG		0.01
Spiked Amount 100.000	Range 28 - 113		Recovery = 94.45%				
84) Terphenyl-d14	5.30	244	188344	52.28	UG		0.01
Spiked Amount 50.000	Range 39 - 121		Recovery = 104.56%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	1.31	74	48365	54.03	UG	#	59
3) Pyridine	1.34	52	61091	53.09	UG		80
5) Benzaldehyde	2.16	106	17713	18.48	UG		97
7) Phenol	2.18	94	129988	55.06	UG	#	83
8) Aniline	2.21	66	65645	51.32	UG	#	62
9) Bis(2-chloroethyl) ether	2.22	63	75106	53.68	UG	#	78
10) 2-Chlorophenol	2.27	128	89857	52.16	UG	#	88
11) 1,3-Dichlorobenzene	2.33	146	96303	47.39	UG		99
12) 1,4-Dichlorobenzene	2.35	146	108170	55.18	UG		92
13) Benzyl alcohol	2.39	108	74376	53.50	UG	#	75
14) 1,2-Dichlorobenzene	2.43	146	100851	52.05	UG		99
15) 2-Methylphenol	2.43	108	102328	52.11	UG		98
16) Bis(2-chloroisopropyl) eth	2.45	45	139093	57.21	UG	#	57
17) 4-Methylphenol	2.48	108	97367	49.47	UG		97
18) N-Nitrosodi-n-propylamine	2.51	70	75823	51.61	UG	#	79
19) Acetophenone	2.51	105	120968m	49.55	UG		
20) 2-Aminotoluene +4-Aminotol	2.52	106	287621	97.47	UG		99
21) Hexachloroethane	2.56	117	37891	50.81	UG		90
25) Nitrobenzene	2.59	77	104710	49.61	UG	#	84
26) Isophorone	2.68	82	174620	50.23	UG		91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5972.D Vial: 83
Acq On : 26 Mar 2008 9:17 Operator: JC
Sample : ABN007.08,50ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 09:27:42 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:00:37 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
27)	2-Nitrophenol	2.72	139	52143	52.02	UG	#	66
28)	2,4+2,5-Dimethylphenol	2.71	107	87265	47.12	UG		89
29)	Bis(2-chloroethoxy) methan	2.75	93	102804	49.40	UG		99
30)	Benzoic acid	2.76	122	54989	52.60	UG	#	69
31)	2,4-Dimethylaniline	2.80	121	85931	44.37	UG	#	100
32)	2,4-Dichlorophenol	2.82	162	70314	46.74	UG		97
33)	1,2,4-Trichlorobenzene	2.86	180	76039	45.82	UG		98
34)	Naphthalene	2.89	128	258532	47.89	UG	#	86
35)	4-Chloroaniline	2.90	127	161808	48.60	UG		96
37)	Hexachlorobutadiene	2.96	225	47724	46.92	UG		99
38)	Caprolactam	3.05	55	41559	57.12	UG	#	74
40)	4-Chloro-3-methylphenol	3.10	107	84438	52.99	UG		93
41)	2-Methylnaphthalene	3.19	142	201778	49.10	UG		100
44)	Hexachlorocyclopentadiene	3.29	237	50792	47.14	UG		100
45)	2,4,6-Trichlorophenol	3.32	196	50554	48.31	UG		99
46)	2,4,5-Trichlorophenol	3.34	196	71270	51.60	UG		99
48)	Biphenyl	3.40	154	217381	52.66	UG		99
49)	2-Chloronaphthalene	3.41	162	152005	46.97	UG		96
50)	2-Nitroaniline	3.45	65	69907	54.34	UG	#	72
51)	Dimethyl phthalate	3.53	163	182176	47.83	UG		99
52)	2,6-Dinitrotoluene	3.57	165	43678	53.78	UG	#	84
53)	Acenaphthylene	3.62	152	270155	52.79	UG		99
54)	3-Nitroaniline	3.65	138	60359	54.44	UG	#	31
55)	Acenaphthene	3.70	153	174470	52.43	UG		99
56)	2,4-Dinitrophenol	3.70	63	43651	101.55	UG	#	1
57)	4-Nitrophenol	3.70	65	43809	51.97	UG	#	100
58)	2,4-Dinitrotoluene	3.77	165	53015	53.63	UG	#	48
59)	Dibenzofuran	3.78	168	303942	52.75	UG		92
60)	Diethyl phthalate	3.87	149	189907	52.01	UG		98
61)	Fluorene	3.95	166	194328	51.20	UG		100
62)	4-Chlorophenyl phenyl ethe	3.92	204	87652	45.88	UG	#	91
63)	4-Nitroaniline	3.95	138	58624	47.82	UG	#	69
64)	1,2,4,5-Tetrachlorobenzene	3.29	216	76261	49.74	UG		99
67)	4,6-Dinitro-2-methylphenol	3.97	198	30129	54.31	UG	#	65
68)	N-Nitrosodiphenylamine	3.98	169	138731	53.39	UG		97
69)	1,2-Diphenylhydrazine	4.00	77	209342	51.09	UG	#	82
71)	4-Bromophenyl phenyl ether	4.17	248	57840	47.33	UG		96
72)	Hexachlorobenzene	4.27	284	70511	50.91	UG		99
73)	Atrazine	4.24	200	38002	41.44	UG		98
74)	Pentachlorophenol	4.35	266	39233	50.81	UG		99
75)	Phenanthrene	4.44	178	249211	49.76	UG		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5972.D Vial: 83
Acq On : 26 Mar 2008 9:17 Operator: JC
Sample : ABN007.08,50ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 09:27:42 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:00:37 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

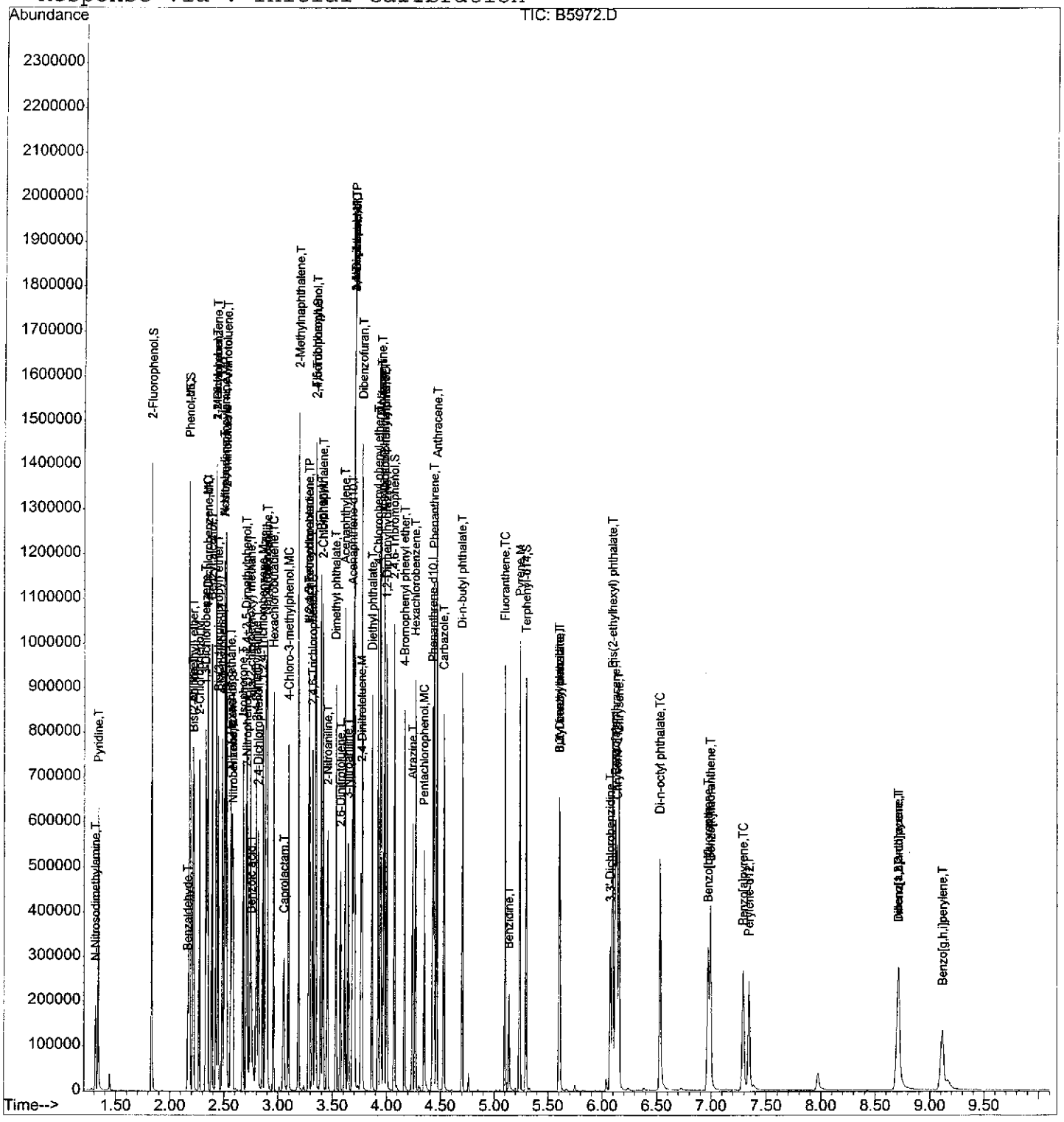
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
76)	Anthracene	4.47	178	272289	50.94	UG		99
77)	Carbazole	4.53	167	242433	51.41	UG		98
78)	Di-n-butyl phthalate	4.70	149	300050	51.20	UG	#	99
79)	Fluoranthene	5.10	202	249823	49.02	UG		96
80)	Benzidine	5.14	184	56929	21.78	UG		99
83)	Pyrene	5.24	202	261735	52.86	UG		99
85)	3,3'-Dimethylbenzidine	5.60	212	34800	16.44	UG	#	100
86)	Butyl benzyl phthalate	5.61	149	120966	56.65	UG	#	85
87)	3,3'-Dichlorobenzidine	6.07	252	56291	42.75	UG		98
88)	Benzo[a]anthracene	6.12	228	196406	49.44	UG		100
89)	Chrysene	6.15	228	184815	48.66	UG		99
90)	Bis(2-ethylhexyl) phthalat	6.10	149	167205	56.29	UG		96
93)	Di-n-octyl phthalate	6.53	149	241806	61.89	UG		99
94)	Benzo[b]fluoranthene	6.97	252	153285	54.91	UG		97
95)	Benzo[k]fluoranthene	6.99	252	149515m	49.86	UG		
96)	Benzo[a]pyrene	7.29	252	131445	52.21	UG		96
97)	Indeno[1,2,3-cd]pyrene	8.72	276	137395	52.15	UG		97
98)	Dibenz[a,h]anthracene	8.71	278	115604	52.95	UG		95
99)	Benzo[g,h,i]perylene	9.12	276	117683	52.50	UG		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5972.D Vial: 83
Acq On : 26 Mar 2008 9:17 Operator: JC
Sample : ABN007.08,50ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 9:51 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5974.D Vial: 85
Acq On : 26 Mar 2008 9:48 Operator: JC
Sample : ABN019.08,80ng_olmo4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 09:58:16 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:53:14 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

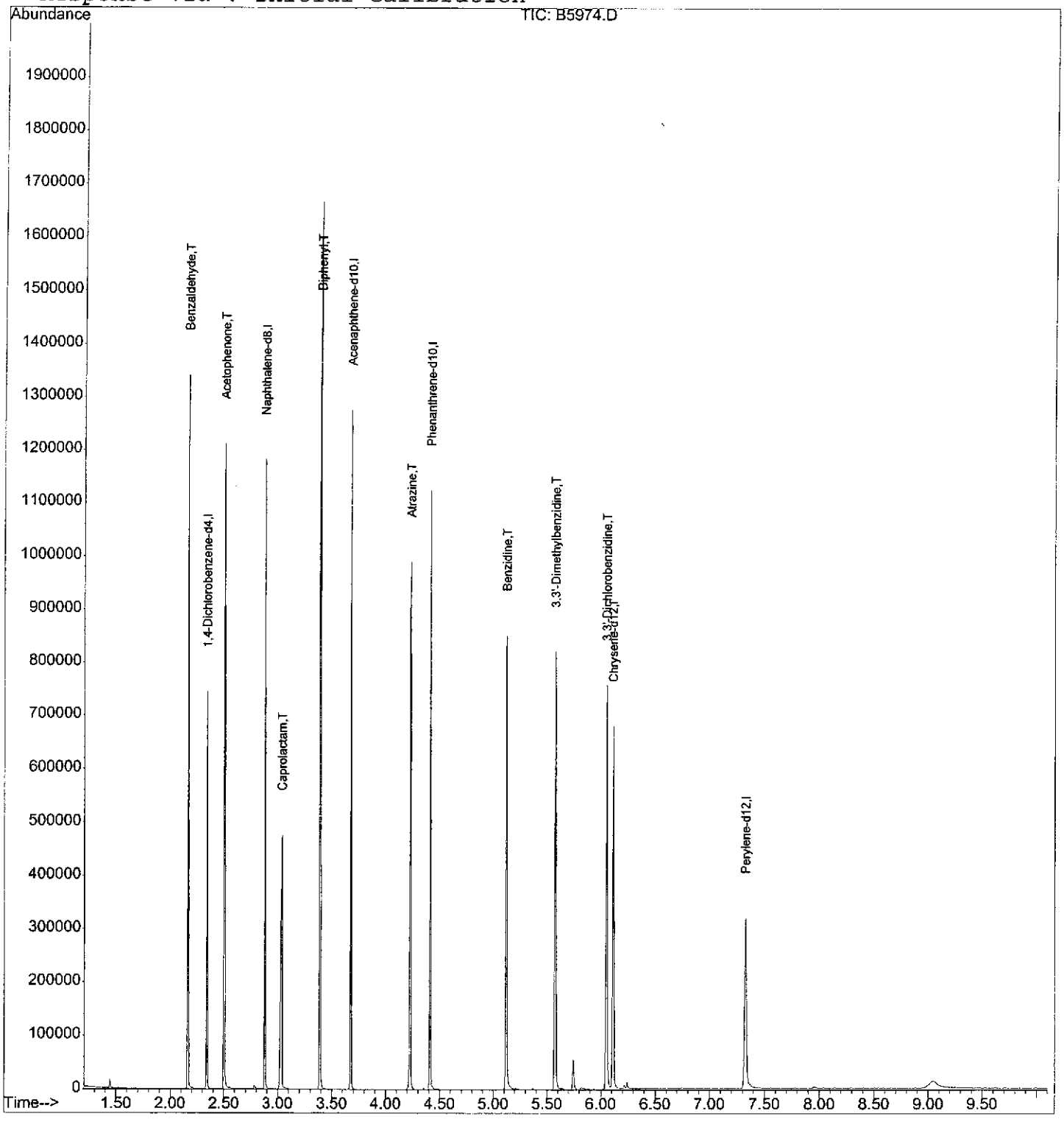
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	54327	40.00	UG		0.00
23) Naphthalene-d8	2.88	136	228687	40.00	UG		0.00
43) Acenaphthene-d10	3.68	164	133425	40.00	UG		0.00
66) Phenanthrene-d10	4.41	188	242989	40.00	UG		0.01
82) Chrysene-d12	6.11	240	194266	40.00	UG		0.00
92) Perylene-d12	7.33	264	146629	40.00	UG		0.03
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	0.00	82	0	0.00	UG		
Spiked Amount 50.000	Range 29 - 101		Recovery = 0.00%#				
47) 2-Fluorobiphenyl	3.39	172	63	0.01	UG		0.04
Spiked Amount 50.000	Range 34 - 98		Recovery = 0.02%#				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	0.00	244	0	0.00	UG		
Spiked Amount 50.000	Range 39 - 121		Recovery = 0.00%#				
Target Compounds							Qvalue
5) Benzaldehyde	2.16	106	118307	142.78	UG		99
19) Acetophenone	2.51	105	222729	84.22	UG	#	60
38) Caprolactam	3.04	55	77943	86.51	UG	#	69
48) Biphenyl	3.39	154	395045	78.69	UG		100
73) Atrazine	4.23	200	96427	92.71	UG		98
80) Benzidine	5.12	184	264895	114.41	UG		98
85) 3,3'-Dimethylbenzidine	5.58	212	229800	134.35	UG	#	100
87) 3,3'-Dichlorobenzidine	6.05	252	134481	80.55	UG		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5974.D Vial: 85
Acq On : 26 Mar 2008 9:48 Operator: JC
Sample : ABN019.08,80ng_olmo4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 10:27 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:53:14 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5976.D Vial: 86
Acq On : 26 Mar 2008 10:31 Operator: JC
Sample : ABN018.08,50ng_olmo4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 10:41:53 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 10:28:51 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

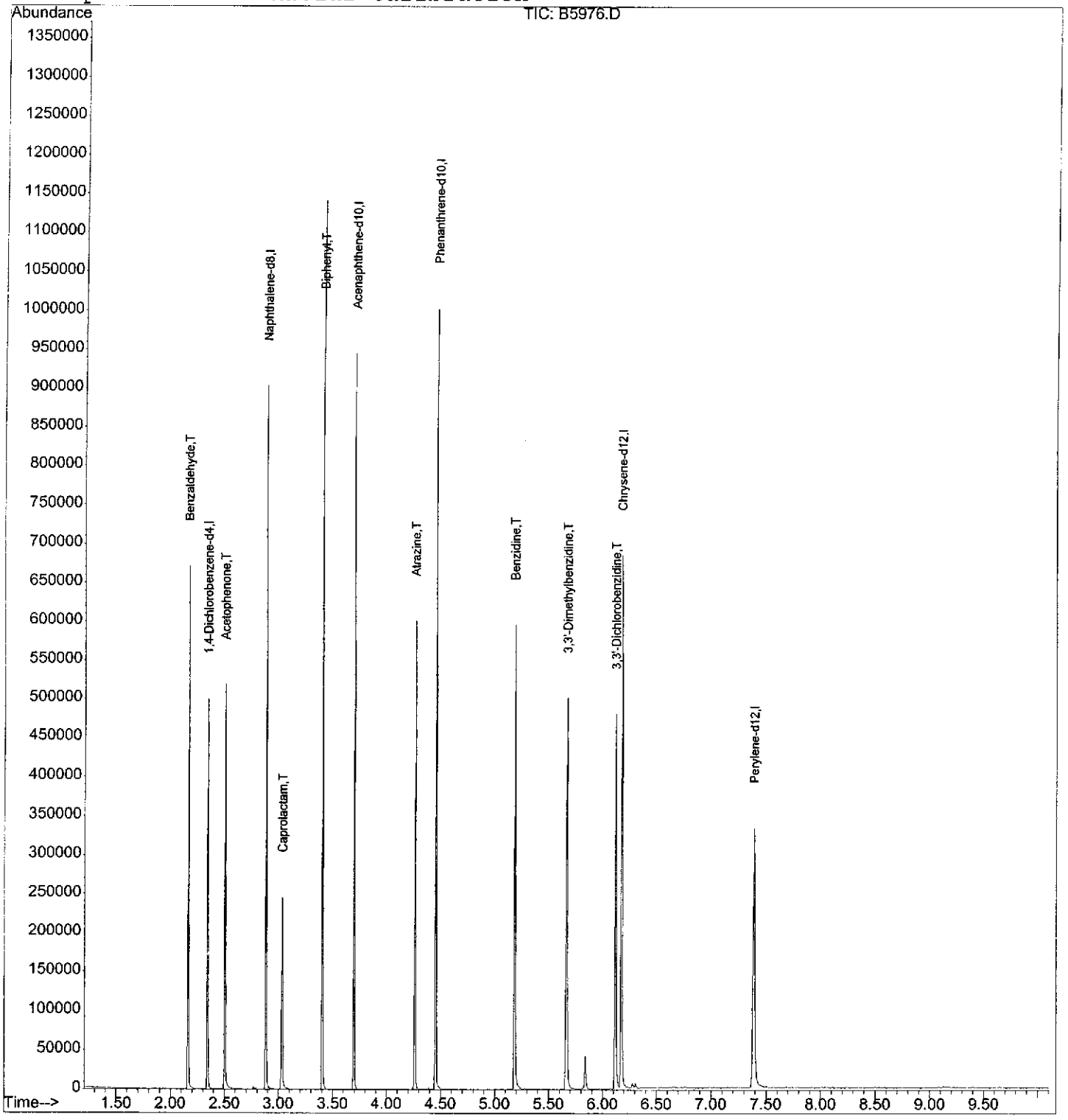
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	45146	40.00	UG		0.00
23) Naphthalene-d8	2.88	136	197404	40.00	UG		0.00
43) Acenaphthene-d10	3.70	164	107326	40.00	UG		0.03
66) Phenanthrene-d10	4.46	188	212778	40.00	UG		0.07
82) Chrysene-d12	6.18	240	195358	40.00	UG		0.10
92) Perylene-d12	7.39	264	153405	40.00	UG		0.09
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	0.00	82	0	0.00	UG		
Spiked Amount 50.000	Range 29 - 101		Recovery = 0.00%#				
47) 2-Fluorobiphenyl	3.40	172	68	0.02	UG		0.06
Spiked Amount 50.000	Range 34 - 98		Recovery = 0.04%#				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	5.34	244	116	0.02	UG		0.11
Spiked Amount 50.000	Range 39 - 121		Recovery = 0.04%#				
Target Compounds							Qvalue
5) Benzaldehyde	2.16	106	57197	68.64	UG		100
19) Acetophenone	2.50	105	91514	41.31	UG	#	61
38) Caprolactam	3.03	55	33642	40.56	UG	#	73
48) Biphenyl	3.40	154	166897	41.18	UG		99
73) Atrazine	4.26	200	41172	45.25	UG		97
80) Benzidine	5.18	184	169783	77.84	UG		98
85) 3,3'-Dimethylbenzidine	5.67	212	158212	79.39	UG	#	100
87) 3,3'-Dichlorobenzidine	6.12	252	92513	54.32	UG		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5976.D Vial: 86
Acq On : 26 Mar 2008 10:31 Operator: JC
Sample : ABN018.08,50ng_olmo4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 11:07 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 10:28:51 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5977.D Vial: 98
Acq On : 26 Mar 2008 10:46 Operator: JC
Sample : ABN017.08,20ng_OLMO4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 10:57:00 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 10:28:51 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

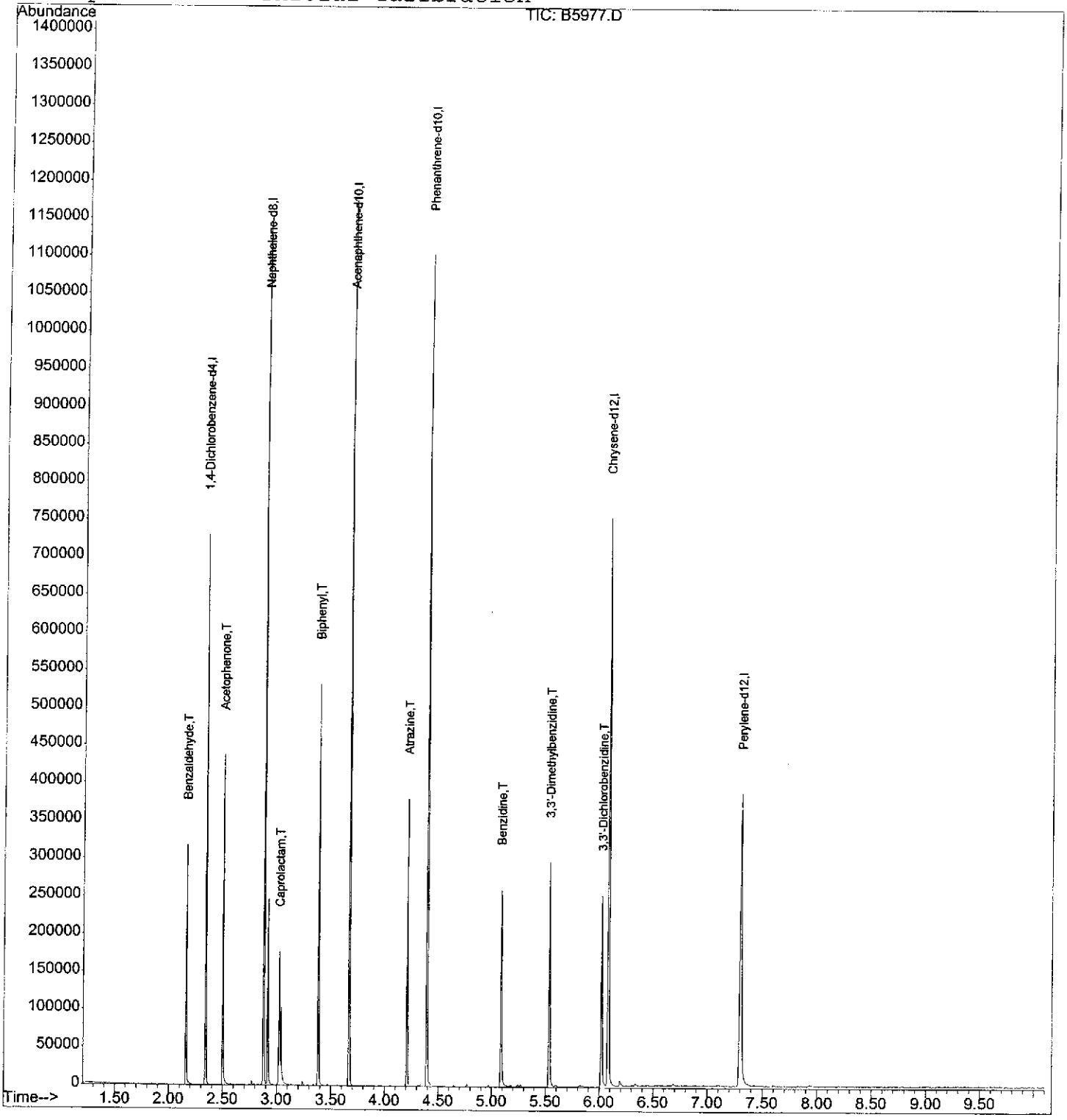
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	53790	40.00	UG		0.00
23) Naphthalene-d8	2.88	136	230558	40.00	UG		0.00
43) Acenaphthene-d10	3.67	164	135829	40.00	UG		0.00
66) Phenanthrene-d10	4.40	188	253831	40.00	UG		0.01
82) Chrysene-d12	6.08	240	223365	40.00	UG		0.01
92) Perylene-d12	7.31	264	182359	40.00	UG		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	2.19	99	49	0.02	UG		0.02
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.02%#				
24) Nitrobenzene-d5	0.00	82	0d	0.00	UG		
Spiked Amount 50.000	Range 29 - 101		Recovery = 0.00%#				
47) 2-Fluorobiphenyl	3.34	172	403	0.09	UG		0.00
Spiked Amount 50.000	Range 34 - 98		Recovery = 0.18%#				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	0.00	244	0d	0.00	UG		
Spiked Amount 50.000	Range 39 - 121		Recovery = 0.00%#				
Target Compounds							Qvalue
5) Benzaldehyde	2.16	106	30423	30.64	UG		99
19) Acetophenone	2.50	105	55100	20.88	UG	#	63
38) Caprolactam	3.02	55	18113	18.70	UG	#	69
48) Biphenyl	3.38	154	93321	18.20	UG		99
73) Atrazine	4.21	200	23757	21.88	UG		97
80) Benzidine	5.09	184	80376	30.89	UG		99
85) 3,3'-Dimethylbenzidine	5.53	212	76813	33.71	UG	#	100
87) 3,3'-Dichlorobenzidine	6.02	252	45354	23.29	UG		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5977.D Vial: 98
Acq On : 26 Mar 2008 10:46 Operator: JC
Sample : ABN017.08,20ng_OLMO4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 11:08 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 10:28:51 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5978.D Vial: 87
Acq On : 26 Mar 2008 11:02 Operator: JC
Sample : ABN016.08,10ng_OLMO4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 11:12:18 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:09:48 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

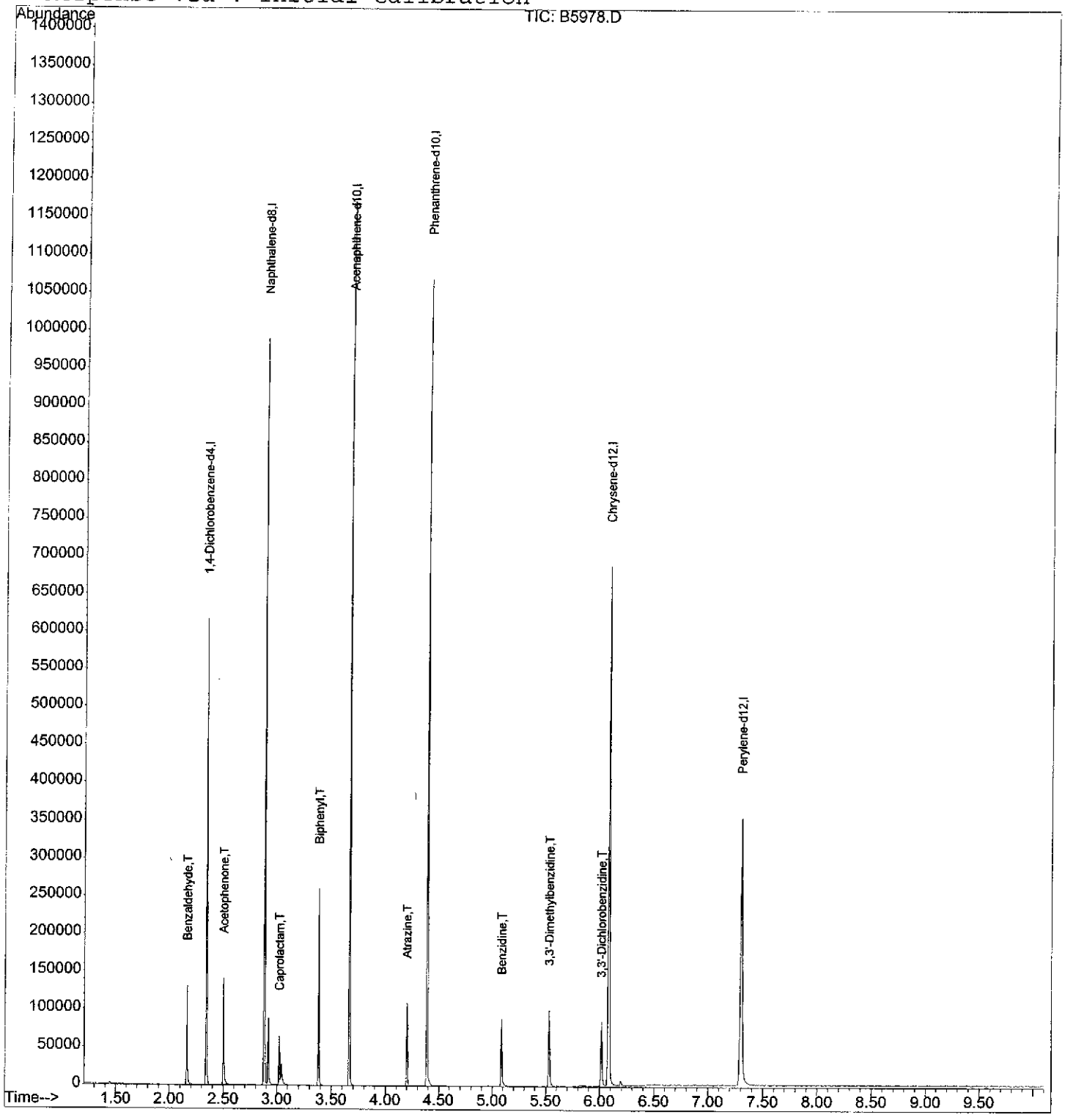
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	48495	40.00	UG		0.00
23) Naphthalene-d8	2.88	136	206297	40.00	UG		0.00
43) Acenaphthene-d10	3.66	164	116546	40.00	UG		0.00
66) Phenanthrene-d10	4.39	188	227407	40.00	UG		0.00
82) Chrysene-d12	6.08	240	202419	40.00	UG		0.01
92) Perylene-d12	7.30	264	162669	40.00	UG		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	2.79	82	46	0.02	UG		0.22
Spiked Amount 50.000	Range 29 - 101		Recovery = 0.04%#				
47) 2-Fluorobiphenyl	0.00	172	0	0.00	UG		
Spiked Amount 50.000	Range 34 - 98		Recovery = 0.00%#				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	0.00	244	0	0.00	UG		
Spiked Amount 50.000	Range 39 - 121		Recovery = 0.00%#				
Target Compounds							Qvalue
5) Benzaldehyde	2.16	106	12745	10.52	UG		99
19) Acetophenone	2.50	105	21662	9.10	UG	#	64
38) Caprolactam	3.02	55	7648	8.82	UG	#	66
48) Biphenyl	3.38	154	39550	8.99	UG		98
73) Atrazine	4.20	200	8802	9.05	UG		93
80) Benzidine	5.09	184	30546	8.90	UG		99
85) 3,3'-Dimethylbenzidine	5.53	212	29746	8.75	UG	#	100
87) 3,3'-Dichlorobenzidine	6.02	252	17782	10.08	UG		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5978.D Vial: 87
Acq On : 26 Mar 2008 11:02 Operator: JC
Sample : ABN016.08,10ng_OLMO4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 11:15 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:09:48 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5979.D Vial: 88
Acq On : 26 Mar 2008 11:17 Operator: JC
Sample : ABN015.08,5ng_OLMO4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 11:27:44 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:17:02 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

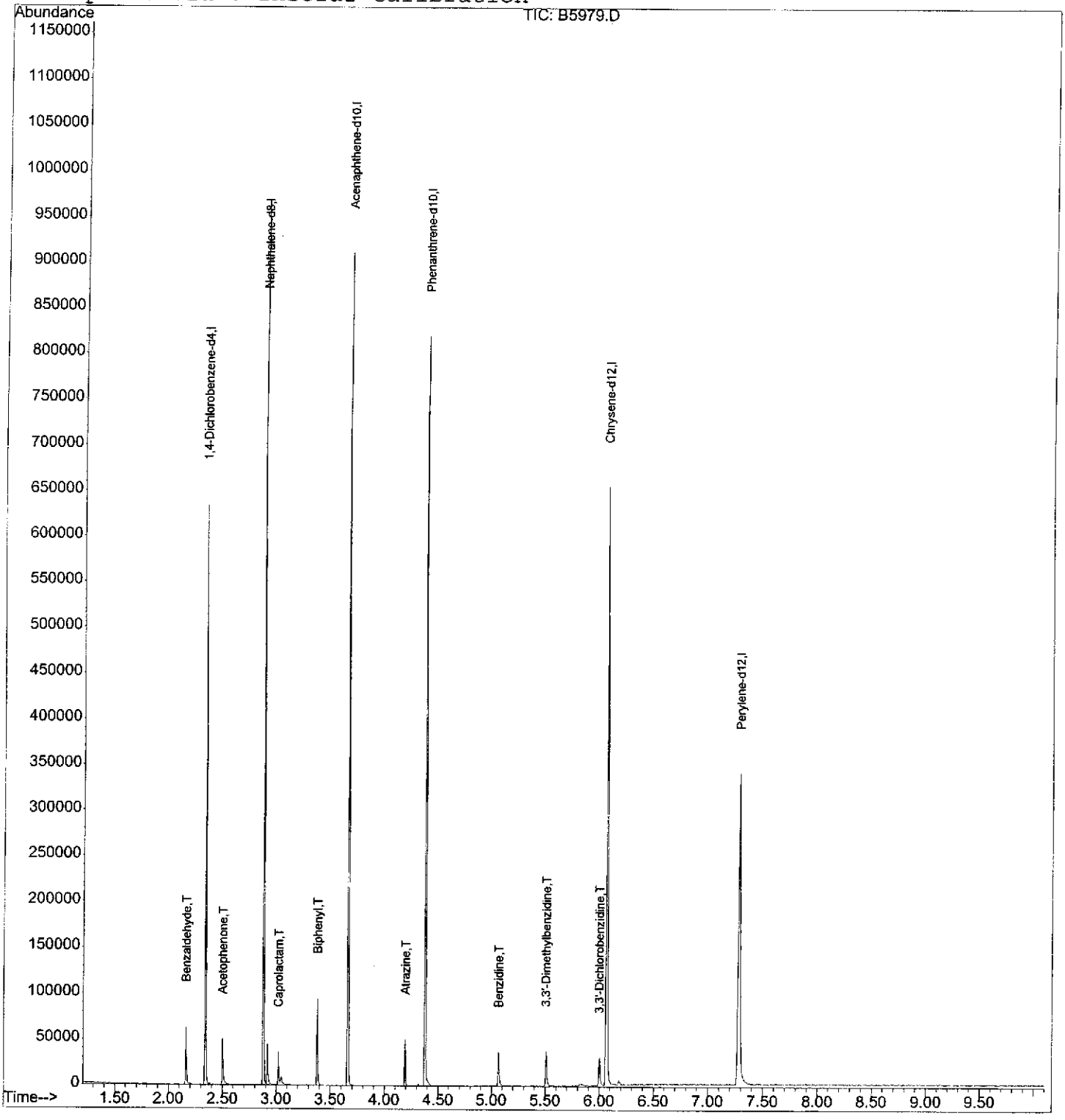
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	48076	40.00	UG		0.00
23) Naphthalene-d8	2.88	136	205395	40.00	UG		0.00
43) Acenaphthene-d10	3.66	164	110067	40.00	UG		0.00
66) Phenanthrene-d10	4.38	188	222459	40.00	UG		0.00
82) Chrysene-d12	6.07	240	198800	40.00	UG		0.00
92) Perylene-d12	7.29	264	159934	40.00	UG		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	0.00	82	0	0.00	UG		
Spiked Amount 50.000	Range 29 - 101		Recovery = 0.00%#				
47) 2-Fluorobiphenyl	0.00	172	0	0.00	UG		
Spiked Amount 50.000	Range 34 - 98		Recovery = 0.00%#				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	5.22	244	212	0.04	UG		0.00
Spiked Amount 50.000	Range 39 - 121		Recovery = 0.08%#				
Target Compounds							Qvalue
5) Benzaldehyde	2.16	106	6425	5.06	UG		100
19) Acetophenone	2.50	105	10269	4.35	UG	#	70
38) Caprolactam	3.02	55	3535	4.10	UG	#	64
48) Biphenyl	3.38	154	19321	4.65	UG		99
73) Atrazine	4.19	200	4412	4.64	UG		93
80) Benzidine	5.06	184	13866	3.88	UG		97
85) 3,3'-Dimethylbenzidine	5.51	212	14175	3.89	UG	#	100
87) 3,3'-Dichlorobenzidine	6.00	252	8387	4.84	UG		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5979.D Vial: 88
Acq On : 26 Mar 2008 11:17 Operator: JC
Sample : ABN015.08,5ng_OLMO4_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 11:30 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:17:02 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5973.D Vial: 84
Acq On : 26 Mar 2008 9:32 Operator: JC
Sample : ABN008.08,80ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 09:42:55 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:00:37 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	56361	40.00	UG	0.00
23) Naphthalene-d8	2.88	136	217441	40.00	UG	0.00
43) Acenaphthene-d10	3.67	164	117312	40.00	UG	0.00
66) Phenanthrene-d10	4.40	188	204834	40.00	UG	-0.02
82) Chrysene-d12	6.11	240	139454	40.00	UG	-0.02
92) Perylene-d12	7.30	264	92765	40.00	UG	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	1.83	112	152448	84.17	UG	0.00
Spiked Amount 100.000	Range 11 - 101		Recovery = 84.17%			
6) Phenol-d5	2.18	99	218412	100.18	UG	0.00
Spiked Amount 100.000	Range 10 - 101		Recovery = 100.18%			
24) Nitrobenzene-d5	2.58	82	129820	60.18	UG	0.01
Spiked Amount 50.000	Range 29 - 101		Recovery = 120.36%#			
47) 2-Fluorobiphenyl	3.34	172	233605	61.32	UG	0.00
Spiked Amount 50.000	Range 34 - 98		Recovery = 122.64%#			
70) 2,4,6-Tribromophenol	4.05	330	86673	90.96	UG	-0.01
Spiked Amount 100.000	Range 28 - 113		Recovery = 90.96%			
84) Terphenyl-d14	5.26	244	197661	61.56	UG	-0.03
Spiked Amount 50.000	Range 39 - 121		Recovery = 123.12%#			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.32	74	82724	82.06	UG	# 58
3) Pyridine	1.34	52	117171	90.41	UG	79
5) Benzaldehyde	2.16	106	15931	14.76	UG	98
7) Phenol	2.18	94	199100	74.89	UG	# 85
8) Aniline	2.22	66	120430	83.60	UG	# 61
9) Bis(2-chloroethyl) ether	2.22	63	130848	83.04	UG	# 83
10) 2-Chlorophenol	2.27	128	149926	77.27	UG	# 88
11) 1,3-Dichlorobenzene	2.33	146	187900	82.10	UG	100
12) 1,4-Dichlorobenzene	2.35	146	182325	82.59	UG	94
13) Benzyl alcohol	2.39	108	136772	87.36	UG	# 74
14) 1,2-Dichlorobenzene	2.43	146	186742	85.59	UG	99
15) 2-Methylphenol	2.43	108	186016	84.12	UG	97
16) Bis(2-chloroisopropyl) eth	2.45	45	238815	87.23	UG	# 50
17) 4-Methylphenol	2.49	108	178241	80.42	UG	98
18) N-Nitrosodi-n-propylamine	2.52	70	148956	90.04	UG	# 79
19) Acetophenone	2.51	105	216439	78.72	UG	90
20) 2-Aminotoluene +4-Aminotol	2.53	106	552237	166.17	UG	99
21) Hexachloroethane	2.56	117	67343	80.18	UG	88
25) Nitrobenzene	2.59	77	174305	75.97	UG	# 81
26) Isophorone	2.68	82	318078	84.16	UG	91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5973.D Vial: 84
Acq On : 26 Mar 2008 9:32 Operator: JC
Sample : ABN008.08,80ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 09:42:55 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:00:37 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
27)	2-Nitrophenol	2.72	139	96374	88.44	UG	#	65
28)	2,4+2,5-Dimethylphenol	2.71	107	174577	86.72	UG		90
29)	Bis(2-chloroethoxy) methan	2.75	93	196433	86.83	UG		98
30)	Benzoic acid	2.77	122	103942m	91.47	UG		
31)	2,4-Dimethylaniline	2.80	121	170970	81.21	UG	#	100
32)	2,4-Dichlorophenol	2.82	162	138705	84.82	UG		97
33)	1,2,4-Trichlorobenzene	2.86	180	140283	77.76	UG		99
34)	Naphthalene	2.90	128	505706	86.17	UG		95
35)	4-Chloroaniline	2.90	127	280653	77.55	UG		98
37)	Hexachlorobutadiene	2.96	225	91904	83.11	UG		100
38)	Caprolactam	3.06	55	69684	88.10	UG	#	74
40)	4-Chloro-3-methylphenol	3.10	107	157455	90.89	UG		92
41)	2-Methylnaphthalene	3.19	142	399944	89.52	UG		100
44)	Hexachlorocyclopentadiene	3.29	237	110803	99.89	UG		99
45)	2,4,6-Trichlorophenol	3.31	196	93507	86.80	UG		100
46)	2,4,5-Trichlorophenol	3.34	196	128672	90.49	UG		99
48)	Biphenyl	3.39	154	387609	91.20	UG		100
49)	2-Chloronaphthalene	3.41	162	286982	86.14	UG		97
50)	2-Nitroaniline	3.45	65	116147	87.70	UG	#	76
51)	Dimethyl phthalate	3.53	163	347866	88.71	UG		100
52)	2,6-Dinitrotoluene	3.56	165	69643	83.30	UG	#	75
53)	Acenaphthylene	3.61	152	500234	94.96	UG		99
54)	3-Nitroaniline	3.64	138	102699	89.98	UG	#	28
55)	Acenaphthene	3.69	153	322501	94.14	UG		99
56)	2,4-Dinitrophenol	3.69	63	75263	170.09	UG	#	1
57)	4-Nitrophenol	3.69	65	68556	79.00	UG	#	100
58)	2,4-Dinitrotoluene	3.75	165	90171	88.61	UG	#	55
59)	Dibenzofuran	3.77	168	534365	90.08	UG		95
60)	Diethyl phthalate	3.85	149	319081	84.88	UG		98
61)	Fluorene	3.93	166	346405	88.65	UG		98
62)	4-Chlorophenyl phenyl ethe	3.90	204	154206	78.41	UG		92
63)	4-Nitroaniline	3.94	138	101347	80.31	UG	#	70
64)	1,2,4,5-Tetrachlorobenzene	3.28	216	146320	92.70	UG		99
67)	4,6-Dinitro-2-methylphenol	3.96	198	57268	102.05	UG	#	22
68)	N-Nitrosodiphenylamine	3.96	169	228746	87.02	UG		97
69)	1,2-Diphenylhydrazine	3.98	77	403863	97.44	UG	#	82
71)	4-Bromophenyl phenyl ether	4.15	248	104622	84.63	UG		98
72)	Hexachlorobenzene	4.25	284	126646	90.40	UG		100
73)	Atrazine	4.22	200	71007	76.56	UG		95
74)	Pentachlorophenol	4.33	266	73607	94.24	UG		98
75)	Phenanthrene	4.42	178	462831	91.36	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5973.D Vial: 84
Acq On : 26 Mar 2008 9:32 Operator: JC
Sample : ABN008.08,80ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 09:42:55 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:00:37 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

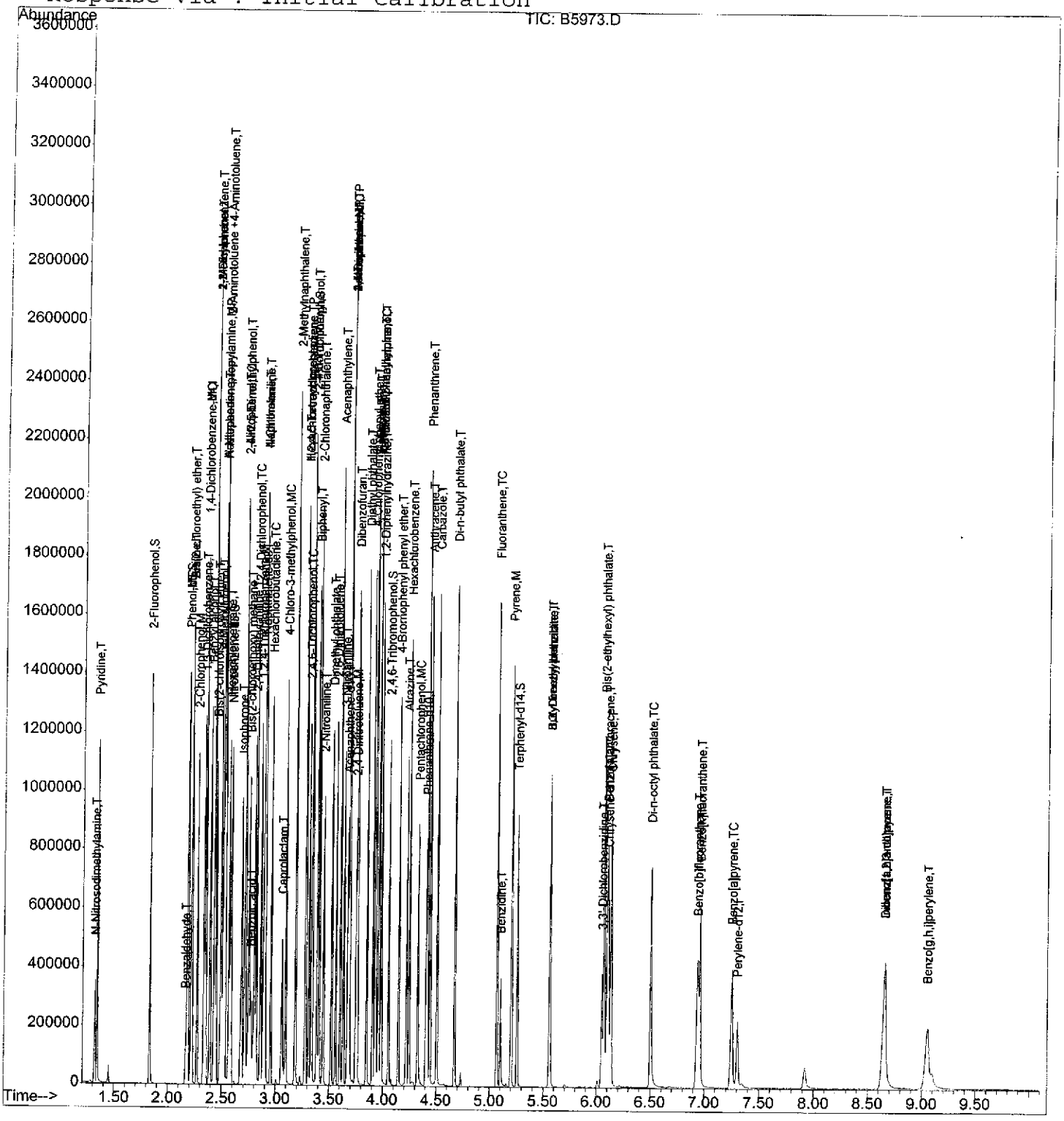
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
76)	Anthracene	4.44	178	461363	85.33	UG		99
77)	Carbazole	4.51	167	428468	89.83	UG		98
78)	Di-n-butyl phthalate	4.67	149	537707	90.71	UG	#	99
79)	Fluoranthene	5.07	202	401506	77.88	UG		98
80)	Benzidine	5.10	184	86232	32.62	UG		99
83)	Pyrene	5.20	202	413765	93.75	UG		97
85)	3,3'-Dimethylbenzidine	5.56	212	40807	21.63	UG	#	100
86)	Butyl benzyl phthalate	5.56	149	190037	99.85	UG	#	86
87)	3,3'-Dichlorobenzidine	6.05	252	81224	69.20	UG		98
88)	Benzo[a]anthracene	6.10	228	296956	83.87	UG		99
89)	Chrysene	6.13	228	280651	82.90	UG		99
90)	Bis(2-ethylhexyl) phthalat	6.07	149	266646	100.72	UG		96
93)	Di-n-octyl phthalate	6.51	149	369352	105.60	UG		99
94)	Benzo[b]fluoranthene	6.94	252	243697m	97.52	UG		
95)	Benzo[k]fluoranthene	6.96	252	203519m	75.82	UG		
96)	Benzo[a]pyrene	7.25	252	197199	87.50	UG		97
97)	Indeno[1,2,3-cd]pyrene	8.66	276	232995	98.79	UG		96
98)	Dibenz[a,h]anthracene	8.66	278	193164	98.84	UG		96
99)	Benzo[g,h,i]perylene	9.05	276	201077	100.21	UG		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5973.D Vial: 84
Acq On : 26 Mar 2008 9:32 Operator: JC
Sample : ABN008.08,80ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 9:53 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



0276

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5975.D Vial: 97
Acq On : 26 Mar 2008 10:04 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 10:14:59 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:53:14 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	46700	40.00	UG	0.00
23) Naphthalene-d8	2.88	136	191119	40.00	UG	0.00
43) Acenaphthene-d10	3.66	164	113440	40.00	UG	0.00
66) Phenanthrene-d10	4.39	188	199811	40.00	UG	-0.02
82) Chrysene-d12	6.07	240	165846	40.00	UG	-0.04
92) Perylene-d12	7.30	264	118715	40.00	UG	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	1.83	112	146829	99.11	UG	0.00
Spiked Amount 100.000	Range 11 - 101		Recovery = 99.11%			
6) Phenol-d5	2.17	99	180878	95.01	UG	0.00
Spiked Amount 100.000	Range 10 - 101		Recovery = 95.01%			
24) Nitrobenzene-d5	2.57	82	108356	56.35	UG	0.00
Spiked Amount 50.000	Range 29 - 101		Recovery = 112.70%#			
47) 2-Fluorobiphenyl	3.34	172	204203	53.58	UG	0.00
Spiked Amount 50.000	Range 34 - 98		Recovery = 107.16%#			
70) 2,4,6-Tribromophenol	4.04	330	77828	85.10	UG	-0.02
Spiked Amount 100.000	Range 28 - 113		Recovery = 85.10%			
84) Terphenyl-d14	5.23	244	207838	52.81	UG	-0.03
Spiked Amount 50.000	Range 39 - 121		Recovery = 105.62%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.31	74	19331	22.08	UG	# 59
3) Pyridine	1.34	52	22275	19.70	UG	# 78
5) Benzaldehyde	2.16	106	14646	20.56	UG	100
7) Phenol	2.18	94	44816	19.74	UG	# 64
8) Aniline	2.21	66	27191	21.92	UG	# 57
9) Bis(2-chloroethyl) ether	2.22	63	29481	21.49	UG	# 78
10) 2-Chlorophenol	2.27	128	33361	20.52	UG	# 87
11) 1,3-Dichlorobenzene	2.33	146	39033	21.12	UG	97
12) 1,4-Dichlorobenzene	2.35	146	38987	20.79	UG	93
13) Benzyl alcohol	2.38	108	26818	20.15	UG	# 76
14) 1,2-Dichlorobenzene	2.43	146	35662	19.51	UG	96
15) 2-Methylphenol	2.43	108	39887	21.21	UG	99
16) Bis(2-chloroisopropyl) eth	2.45	45	54650	22.00	UG	# 60
17) 4-Methylphenol	2.48	108	38447	20.75	UG	99
18) N-Nitrosodi-n-propylamine	2.50	70	28893	19.89	UG	# 76
19) Acetophenone	2.51	105	45413	19.98	UG	100
20) 2-Aminotoluene +4-Aminotol	2.52	106	113155	40.48	UG	99
21) Hexachloroethane	2.56	117	14382	20.61	UG	87
25) Nitrobenzene	2.58	77	44364	22.14	UG	# 77
26) Isophorone	2.67	82	68443	20.00	UG	# 90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5975.D Vial: 97
Acq On : 26 Mar 2008 10:04 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 10:14:59 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:53:14 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
27)	2-Nitrophenol	2.71	139	18797	19.60	UG	#	59
28)	2,4+2,5-Dimethylphenol	2.71	107	33448	19.19	UG		91
29)	Bis(2-chloroethoxy) methan	2.75	93	41875	20.70	UG		99
30)	Benzoic acid	2.74	122	20507	20.82	UG	#	75
31)	2,4-Dimethylaniline	2.79	121	35239	19.08	UG	#	100
32)	2,4-Dichlorophenol	2.82	162	28589	20.25	UG		96
33)	1,2,4-Trichlorobenzene	2.86	180	29951	20.10	UG		97
34)	Naphthalene	2.89	128	107255	21.13	UG		91
35)	4-Chloroaniline	2.90	127	62593	20.27	UG		97
37)	Hexachlorobutadiene	2.95	225	17809	19.05	UG		99
38)	Caprolactam	3.03	55	16594m	22.04	UG		
40)	4-Chloro-3-methylphenol	3.09	107	32461	20.90	UG		92
41)	2-Methylnaphthalene	3.18	142	80597	19.93	UG		99
44)	Hexachlorocyclopentadiene	3.28	237	17445	17.40	UG		99
45)	2,4,6-Trichlorophenol	3.31	196	19320	19.11	UG		97
46)	2,4,5-Trichlorophenol	3.33	196	25637	18.70	UG		99
48)	Biphenyl	3.38	154	83431	19.55	UG		100
49)	2-Chloronaphthalene	3.40	162	60458	19.16	UG		97
50)	2-Nitroaniline	3.43	65	25705	19.11	UG	#	71
51)	Dimethyl phthalate	3.52	163	75070	19.70	UG		99
52)	2,6-Dinitrotoluene	3.55	165	16367	19.99	UG	#	81
53)	Acenaphthylene	3.60	152	102841	19.25	UG		99
54)	3-Nitroaniline	3.62	138	21991	19.19	UG	#	24
55)	Acenaphthene	3.68	153	64228	18.56	UG		100
56)	2,4-Dinitrophenol	3.68	63	15676	22.83	UG	#	1
57)	4-Nitrophenol	3.68	65	16793	19.48	UG	#	100
58)	2,4-Dinitrotoluene	3.74	165	19249	19.30	UG	#	40
59)	Dibenzofuran	3.75	168	107808	18.58	UG		91
60)	Diethyl phthalate	3.84	149	71244	19.23	UG		96
61)	Fluorene	3.92	166	73847	19.26	UG		98
62)	4-Chlorophenyl phenyl ethe	3.89	204	35585	19.89	UG		93
63)	4-Nitroaniline	3.92	138	24863	20.93	UG	#	66
64)	1,2,4,5-Tetrachlorobenzene	3.27	216	28570	18.67	UG		99
67)	4,6-Dinitro-2-methylphenol	3.94	198	9635	18.10	UG	#	40
68)	N-Nitrosodiphenylamine	3.95	169	53712	20.46	UG		98
69)	1,2-Diphenylhydrazine	3.97	77	84551	19.70	UG	#	80
71)	4-Bromophenyl phenyl ether	4.13	248	22090	19.10	UG		96
72)	Hexachlorobenzene	4.23	284	27151	19.75	UG		97
73)	Atrazine	4.20	200	17479	20.44	UG		95
74)	Pentachlorophenol	4.31	266	13211	18.21	UG		94
75)	Phenanthrene	4.40	178	98453	19.64	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5975.D Vial: 97
Acq On : 26 Mar 2008 10:04 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 10:14:59 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 09:53:14 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

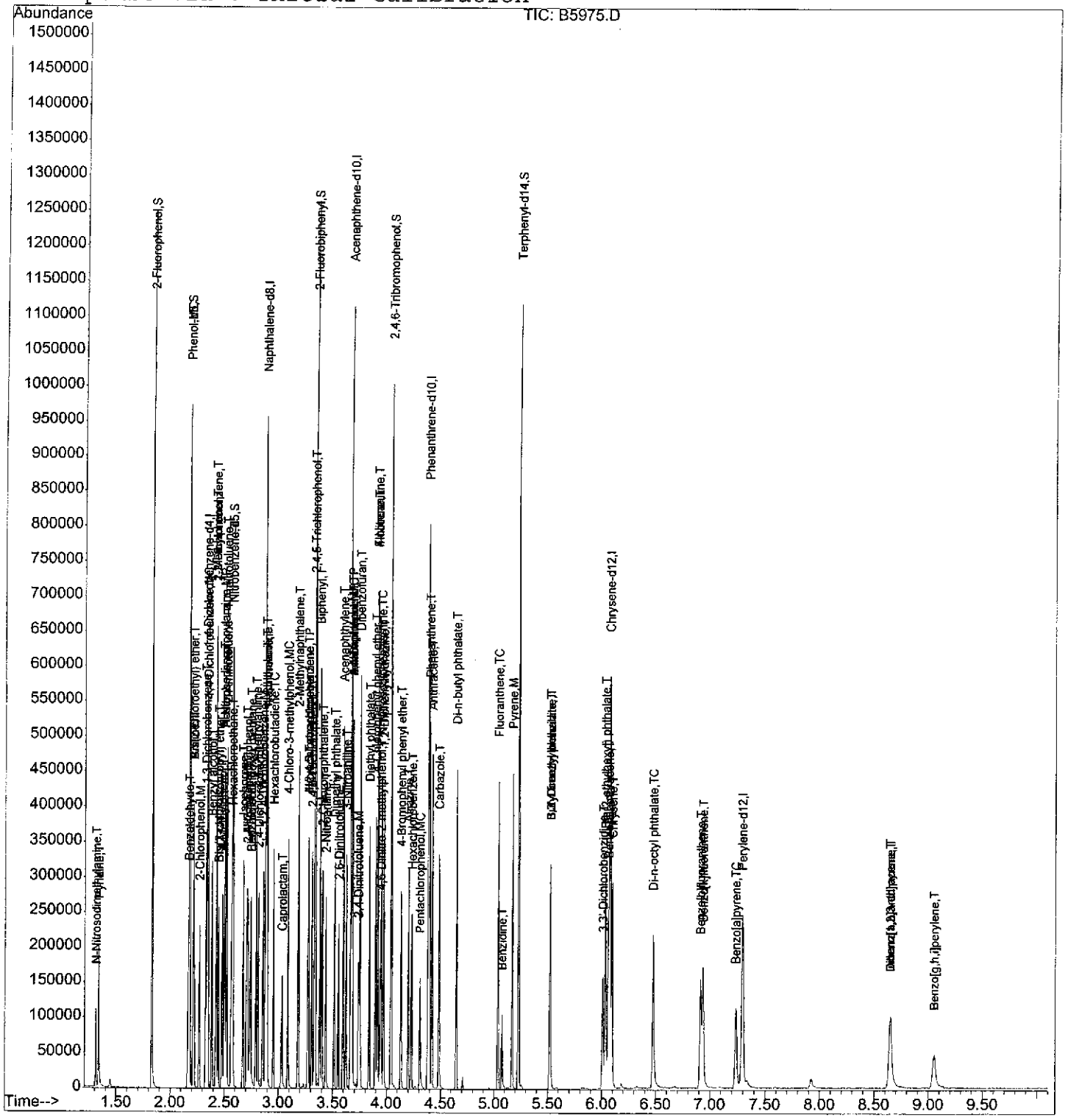
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
76)	Anthracene	4.42	178	102485	19.49	UG		99
77)	Carbazole	4.48	167	92428	19.39	UG		97
78)	Di-n-butyl phthalate	4.65	149	118483	20.05	UG	#	99
79)	Fluoranthene	5.04	202	97341	19.82	UG		100
80)	Benzidine	5.07	184	28308	14.87	UG		98
83)	Pyrene	5.17	202	104536	19.66	UG		97
85)	3,3'-Dimethylbenzidine	5.52	212	19881	13.62	UG	#	100
86)	Butyl benzyl phthalate	5.52	149	48610	20.07	UG	#	84
87)	3,3'-Dichlorobenzidine	6.01	252	30301	21.26	UG		99
88)	Benzo[a]anthracene	6.06	228	85458	20.33	UG		100
89)	Chrysene	6.10	228	80295	20.01	UG		99
90)	Bis(2-ethylhexyl) phthalat	6.03	149	67988	20.42	UG		95
93)	Di-n-octyl phthalate	6.47	149	100906	21.10	UG		98
94)	Benzo[b]fluoranthene	6.91	252	65822m	19.82	UG		
95)	Benzo[k]fluoranthene	6.93	252	71967	21.61	UG		99
96)	Benzo[a]pyrene	7.24	252	57859	19.95	UG		98
97)	Indeno[1,2,3-cd]pyrene	8.65	276	52858	18.00	UG		93
98)	Dibenz[a,h]anthracene	8.65	278	42995	17.41	UG		98
99)	Benzo[g,h,i]perylene	9.05	276	45011m	17.74	UG		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\03-26-08\B5975.D Vial: 97
Acq On : 26 Mar 2008 10:04 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_03/26/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 26 10:27 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6564.D
Acq On : 11 Apr 2008 10:25
Sample : ABN006.08,20ng_BNA_FOR_04/10/08
Misc : ,1
MS Integration Params: rteint.p

Vial: 97
Operator: JC
Inst : MSD_B
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Multiple Level Calibration

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	-0.01
2	T	N-Nitrosodimethylamine	0.791	0.726	8.2	94	-0.01
3	T	Pyridine	0.995	0.850	14.6	96	-0.01
4	S	2-Fluorophenol	1.276	1.231	3.5	105	-0.02
5	T	Benzaldehyde	1.080	0.900	16.7	73	-0.02
6	S	Phenol-d5	1.645	1.772	-7.7	123	-0.01
7	MC	Phenol	1.979	2.177	-10.0	122	-0.01
8	T	Aniline	1.109	0.968	12.7	89	-0.02
9	T	Bis(2-chloroethyl) ether	1.219	1.125	7.7	96	-0.01
10	M	2-Chlorophenol	1.414	1.577	-11.5	119	-0.02
11	T	1,3-Dichlorobenzene	1.622	1.789	-10.3	115	-0.01
12	MC	1,4-Dichlorobenzene	1.638	1.869	-14.1	120	-0.02
13	T	Benzyl alcohol	1.175	1.226	-4.3	115	-0.01
14	T	1,2-Dichlorobenzene	1.580	1.804	-14.2	127	-0.02
15	T	2-Methylphenol	1.671	1.715	-2.6	108	-0.01
16	T	Bis(2-chloroisopropyl) ethe	2.256	1.809	19.8	83	-0.02
17	T	4-Methylphenol	1.634	1.719	-5.2	112	-0.02
18	MP	N-Nitrosodi-n-propylamine	1.278	1.146	10.3	100	-0.01
19	T	Acetophenone	1.963	1.970	-0.4	109	-0.02
20	T	2-Aminotoluene +4-Aminotolu	2.472	2.470	0.1	110	-0.02
21	T	Hexachloroethane	0.612	0.659	-7.7	115	-0.02
22	T	2,6-Dimethylphenol	0.000	0.000	0.0	0	-0.02
23	I	Naphthalene-d8	1.000	1.000	0.0	122	-0.01
24	S	Nitrobenzene-d5	0.420	0.344	18.1	92	-0.02
25	T	Nitrobenzene	0.440	0.390	11.4	102	-0.01
26	T	Isophorone	0.731	0.627	14.2	106	-0.01
27	TC	2-Nitrophenol	0.202	0.195	3.5	120	-0.01
28	T	2,4+2,5-Dimethylphenol	0.368	0.317	13.9	110	-0.02
29	T	Bis(2-chloroethoxy) methane	0.435	0.365	16.1	101	-0.02
30	T	Benzoic acid	0.206	0.230	-11.7	130	0.00
31	T	2,4-Dimethylaniline	0.392	0.335	14.5	110	-0.01
32	TC	2,4-Dichlorophenol	0.295	0.273	7.5	111	-0.01
33	M	1,2,4-Trichlorobenzene	0.314	0.310	1.3	120	-0.01
34	T	Naphthalene	1.093	0.992	9.2	107	-0.01
35	T	4-Chloroaniline	0.655	0.622	5.0	115	-0.01
36	T	4-Aminoaniline	0.000	0.000	0.0	0	-0.02
37	TC	Hexachlorobutadiene	0.193	0.194	-0.5	126	-0.01
38	T	Caprolactam	0.168	0.138	17.9	96	-0.01
39	T	2-Aminoaniline	0.000	0.000	0.0	0	-0.02
40	MC	4-Chloro-3-methylphenol	0.333	0.288	13.5	103	-0.01
41	T	2-Methylnaphthalene	0.853	0.787	7.7	113	-0.01
42	T	3,5-Dimethylphenol	0.000	0.000	0.0	0	-0.02
43	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
44	TP	Hexachlorocyclopentadiene	0.339	0.378	-11.5	140	-0.01
45	TC	2,4,6-Trichlorophenol	0.355	0.374	-5.4	125	0.000281

46	T	2,4,5-Trichlorophenol	0.481	0.488	-1.5	123	0.00
47	S	2-Fluorobiphenyl	1.375	1.312	4.6	104	0.00
48	T	Biphenyl	1.510	1.482	1.9	115	0.00
49	T	2-Chloronaphthalene	1.112	1.095	1.5	117	0.00
50	T	2-Nitroaniline	0.478	0.386	19.2	97	0.00
51	T	Dimethyl phthalate	1.341	1.302	2.9	112	0.00
52	T	2,6-Dinitrotoluene	0.288	0.278	3.5	110	0.00
53	T	Acenaphthylene	1.899	1.780	6.3	112	0.00
54	T	3-Nitroaniline	0.408	0.393	3.7	116	0.00
55	MC	Acenaphthene	1.220	1.140	6.6	115	0.00
56	TP	2,4-Dinitrophenol	0.284	0.276	2.8	114	0.00
57	MP	4-Nitrophenol	0.306	0.277	9.5	107	0.00
58	M	2,4-Dinitrotoluene	0.353	0.363	-2.8	122	0.00
59	T	Dibenzofuran	2.046	1.885	7.9	113	0.00
60	T	Diethyl phthalate	1.305	1.285	1.5	117	0.00
61	T	Fluorene	1.351	1.356	-0.4	119	0.00
62	T	4-Chlorophenyl phenyl ether	0.624	0.644	-3.2	117	0.00
63	T	4-Nitroaniline	0.422	0.481	-14.0	125	0.00
64		1,2,4,5-Tetrachlorobenzene	0.538	0.539	-0.2	122	-0.01
65	T	Hydroquinone	0.000	0.000	0.0	0	-0.02
66	I	Phenanthrene-d10	1.000	1.000	0.0	115	0.02
67	T	4,6-Dinitro-2-methylphenol	0.104	0.114	-9.6	136	0.01
68	TC	N-Nitrosodiphenylamine	0.533	0.513	3.8	110	0.00
69	T	1,2-Diphenylhydrazine	0.878	0.744	15.3	101	0.01
70	S	2,4,6-Tribromophenol	0.176	0.179	-1.7	132	0.01
71	T	4-Bromophenyl phenyl ether	0.230	0.224	2.6	117	0.01
72	T	Hexachlorobenzene	0.277	0.265	4.3	112	0.01
73	T	Atrazine	0.171	0.163	4.7	107	0.02
74	MC	Pentachlorophenol	0.139	0.164	-18.0	143	0.02
75	T	Phenanthrene	1.013	0.958	5.4	112	0.02
76	T	Anthracene	1.058	1.039	1.8	117	0.02
77	T	Carbazole	0.960	0.921	4.1	115	0.02
78	T	Di-n-butyl phthalate	1.199	1.145	4.5	111	0.03
79	TC	Fluoranthene	0.980	0.991	-1.1	117	0.04
80	T	Benzidine	0.644	0.586	9.0	78	0.03
81		2-Picoline	0.000	0.000	0.0	0	-0.02
82	I	Chrysene-d12	1.000	1.000	0.0	113	0.04
83	M	Pyrene	1.288	1.228	4.7	110	0.04
84	S	Terphenyl-d14	0.964	0.933	3.2	105	0.04
85	T	3,3'-Dimethylbenzidine	0.757	0.643	15.1	80	0.03
86	T	Butyl benzyl phthalate	0.599	0.585	2.3	113	0.05
87	T	3,3'-Dichlorobenzidine	0.349	0.410	-17.5	127	0.04
88	T	Benzo[a]anthracene	1.019	0.999	2.0	109	0.04
89	T	Chrysene	0.974	0.956	1.8	112	0.03
90	T	Bis(2-ethylhexyl) phthalate	0.825	0.813	1.5	112	0.04
91		3-Picoline	0.000	0.000	0.0	0	-0.02
92	I	Perylene-d12	1.000	1.000	0.0	116	0.00
93	TC	Di-n-octyl phthalate	1.677	1.656	1.3	113	0.03
94	T	Benzo[b]fluoranthene	1.116	1.092	2.2	114	0.02
95	T	Benzo[k]fluoranthene	1.131	1.207	-6.7	115	0.02
96	TC	Benzo[a]pyrene	0.982	1.044	-6.3	124	0.01
97	T	Indeno[1,2,3-cd]pyrene	0.981	0.953	2.9	124	-0.02
98	T	Dibenz[a,h]anthracene	0.817	0.837	-2.4	134	-0.02
99	T	Benzo[g,h,i]perylene	0.846	0.859	-1.5	131	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

B5975.D BW0708.M Mon Apr 14 08:09:19 2008 MSD_B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6564.D Vial: 97
Acq On : 11 Apr 2008 10:25 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_04/10/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 10:37:05 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	50191m	40.00	UG	-0.01
23) Naphthalene-d8	2.87	136	232255	40.00	UG	-0.01
43) Acenaphthene-d10	3.66	164	129358	40.00	UG	0.00
66) Phenanthrene-d10	4.40	188	230006	40.00	UG	0.02
82) Chrysene-d12	6.11	240	187323	40.00	UG	0.04
92) Perylene-d12	7.30	264	137428	40.00	UG	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	1.82	112	154524	96.53	UG	-0.02
Spiked Amount 100.000	Range 11 - 101		Recovery = 96.53%			
6) Phenol-d5	2.16	99	222402	107.75	UG	-0.01
Spiked Amount 100.000	Range 10 - 101		Recovery = 107.75%#			
24) Nitrobenzene-d5	2.56	82	99960	40.96	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 81.92%			
47) 2-Fluorobiphenyl	3.33	172	212129	47.71	UG	0.00
Spiked Amount 50.000	Range 34 - 98		Recovery = 95.42%			
70) 2,4,6-Tribromophenol	4.05	330	102694	101.62	UG	0.01
Spiked Amount 100.000	Range 28 - 113		Recovery = 101.62%			
84) Terphenyl-d14	5.27	244	218382	48.37	UG	0.04
Spiked Amount 50.000	Range 39 - 121		Recovery = 96.74%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.30	74	18231	18.37	UG	# 42
3) Pyridine	1.32	52	21331	17.08	UG	# 78
5) Benzaldehyde	2.15	106	17317	12.78	UG	99
7) Phenol	2.17	94	54640	22.00	UG	# 71
8) Aniline	2.20	66	24294	17.45	UG	76
9) Bis(2-chloroethyl) ether	2.21	63	28224	18.45	UG	90
10) 2-Chlorophenol	2.25	128	39567	22.30	UG	# 92
11) 1,3-Dichlorobenzene	2.32	146	44890	22.05	UG	100
12) 1,4-Dichlorobenzene	2.33	146	46896	22.82	UG	91
13) Benzyl alcohol	2.37	108	30779	20.88	UG	# 77
14) 1,2-Dichlorobenzene	2.41	146	45273	22.84	UG	99
15) 2-Methylphenol	2.41	108	43035	20.52	UG	97
16) Bis(2-chloroisopropyl) eth	2.43	45	45410	16.04	UG	# 64
17) 4-Methylphenol	2.47	108	43144	21.04	UG	99
18) N-Nitrosodi-n-propylamine	2.49	70	28751	17.93	UG	# 80
19) Acetophenone	2.49	105	49426	20.07	UG	# 60
20) 2-Aminotoluene +4-Aminotol	2.51	106	123954	39.96	UG	99
21) Hexachloroethane	2.55	117	16530	21.52	UG	93
25) Nitrobenzene	2.57	77	45252	17.69	UG	# 85
26) Isophorone	2.66	82	72774	17.15	UG	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6564.D Vial: 97
Acq On : 11 Apr 2008 10:25 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_04/10/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 10:37:05 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
27)	2-Nitrophenol	2.70	139	22622	19.25	UG	#	74
28)	2,4+2,5-Dimethylphenol	2.69	107	36768	17.20	UG		91
29)	Bis(2-chloroethoxy) methan	2.73	93	42350	16.77	UG		96
30)	Benzoic acid	2.74	122	26718m	22.35	UG		
31)	2,4-Dimethylaniline	2.78	121	38883	17.10	UG	#	100
32)	2,4-Dichlorophenol	2.80	162	31651	18.49	UG		99
33)	1,2,4-Trichlorobenzene	2.85	180	36024	19.75	UG		98
34)	Naphthalene	2.88	128	115202	18.15	UG	#	86
35)	4-Chloroaniline	2.88	127	72235	18.98	UG		96
37)	Hexachlorobutadiene	2.94	225	22486	20.11	UG		98
38)	Caprolactam	3.02	55	15996m	16.39	UG		
40)	4-Chloro-3-methylphenol	3.08	107	33483	17.30	UG		97
41)	2-Methylnaphthalene	3.17	142	91340	18.44	UG		97
44)	Hexachlorocyclopentadiene	3.27	237	24441	22.27	UG		98
45)	2,4,6-Trichlorophenol	3.30	196	24176	21.07	UG		99
46)	2,4,5-Trichlorophenol	3.32	196	31570	20.30	UG		100
48)	Biphenyl	3.38	154	95847	19.62	UG		100
49)	2-Chloronaphthalene	3.40	162	70824	19.70	UG		99
50)	2-Nitroaniline	3.43	65	24992	16.17	UG		82
51)	Dimethyl phthalate	3.51	163	84181	19.42	UG		98
52)	2,6-Dinitrotoluene	3.55	165	18007	19.34	UG	#	82
53)	Acenaphthylene	3.60	152	115119	18.74	UG		99
54)	3-Nitroaniline	3.62	138	25427	19.29	UG	#	32
55)	Acenaphthene	3.68	153	73719	18.68	UG		99
56)	2,4-Dinitrophenol	3.68	63	17876	19.43	UG	#	1
57)	4-Nitrophenol	3.68	65	17947	18.13	UG	#	100
58)	2,4-Dinitrotoluene	3.74	165	23474	20.57	UG	#	57
59)	Dibenzofuran	3.75	168	121892	18.42	UG		93
60)	Diethyl phthalate	3.84	149	83143	19.70	UG		98
61)	Fluorene	3.92	166	87728	20.09	UG		99
62)	4-Chlorophenyl phenyl ethe	3.90	204	41685	20.67	UG		95
63)	4-Nitroaniline	3.92	138	31086	22.77	UG	#	72
64)	1,2,4,5-Tetrachlorobenzene	3.26	216	34861	20.02	UG		99
67)	4,6-Dinitro-2-methylphenol	3.95	198	13091	21.87	UG	#	70
68)	N-Nitrosodiphenylamine	3.95	169	58963	19.24	UG		98
69)	1,2-Diphenylhydrazine	3.98	77	85599	16.96	UG	#	86
71)	4-Bromophenyl phenyl ether	4.15	248	25753	19.50	UG		96
72)	Hexachlorobenzene	4.24	284	30524	19.14	UG		99
73)	Atrazine	4.21	200	18758	19.07	UG		98
74)	Pentachlorophenol	4.33	266	18835	23.51	UG		97
75)	Phenanthrene	4.41	178	110179	18.91	UG		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6564.D Vial: 97
Acq On : 11 Apr 2008 10:25 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_04/10/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 10:37:05 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

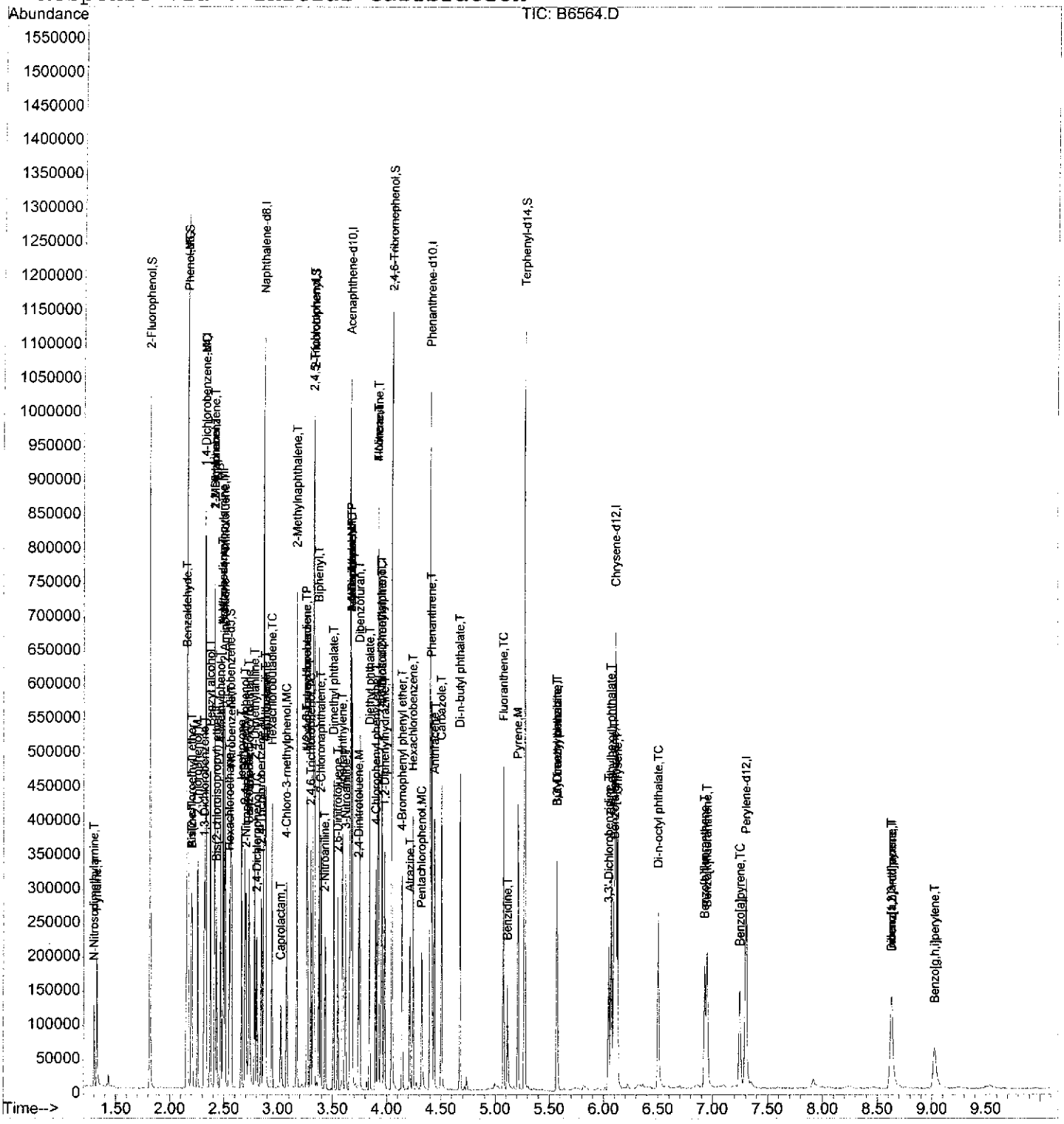
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
76)	Anthracene	4.44	178	119493	19.63	UG		100
77)	Carbazole	4.50	167	105934	19.20	UG		97
78)	Di-n-butyl phthalate	4.67	149	131626	19.09	UG	#	99
79)	Fluoranthene	5.07	202	113916	20.21	UG		95
80)	Benzidine	5.11	184	44448	12.01	UG		97
83)	Pyrene	5.21	202	114982	19.06	UG		93
85)	3,3'-Dimethylbenzidine	5.57	212	24269	6.85	UG	#	100
86)	Butyl benzyl phthalate	5.57	149	54809	19.54	UG		91
87)	3,3'-Dichlorobenzidine	6.05	252	38365	23.49	UG		99
88)	Benzo[a]anthracene	6.10	228	93522	19.60	UG		99
89)	Chrysene	6.13	228	89557	19.63	UG		100
90)	Bis(2-ethylhexyl) phthalat	6.07	149	76182	19.73	UG		96
93)	Di-n-octyl phthalate	6.50	149	113770	19.75	UG		100
94)	Benzo[b]fluoranthene	6.93	252	75002	19.56	UG		96
95)	Benzo[k]fluoranthene	6.95	252	82920m	21.34	UG		
96)	Benzo[a]pyrene	7.25	252	71716	21.26	UG		96
97)	Indeno[1,2,3-cd]pyrene	8.63	276	65472	19.42	UG		93
98)	Dibenz[a,h]anthracene	8.63	278	57505	20.49	UG		96
99)	Benzo[g,h,i]perylene	9.03	276	59029	20.31	UG	#	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6564.D Vial: 97
Acq On : 11 Apr 2008 10:25 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_04/10/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:08 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6565.D Vial: 98
Acq On : 11 Apr 2008 10:41 Operator: JC
Sample : ABN017.08,20ng_OLMO4_FOR_04/10/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 10:51:09 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

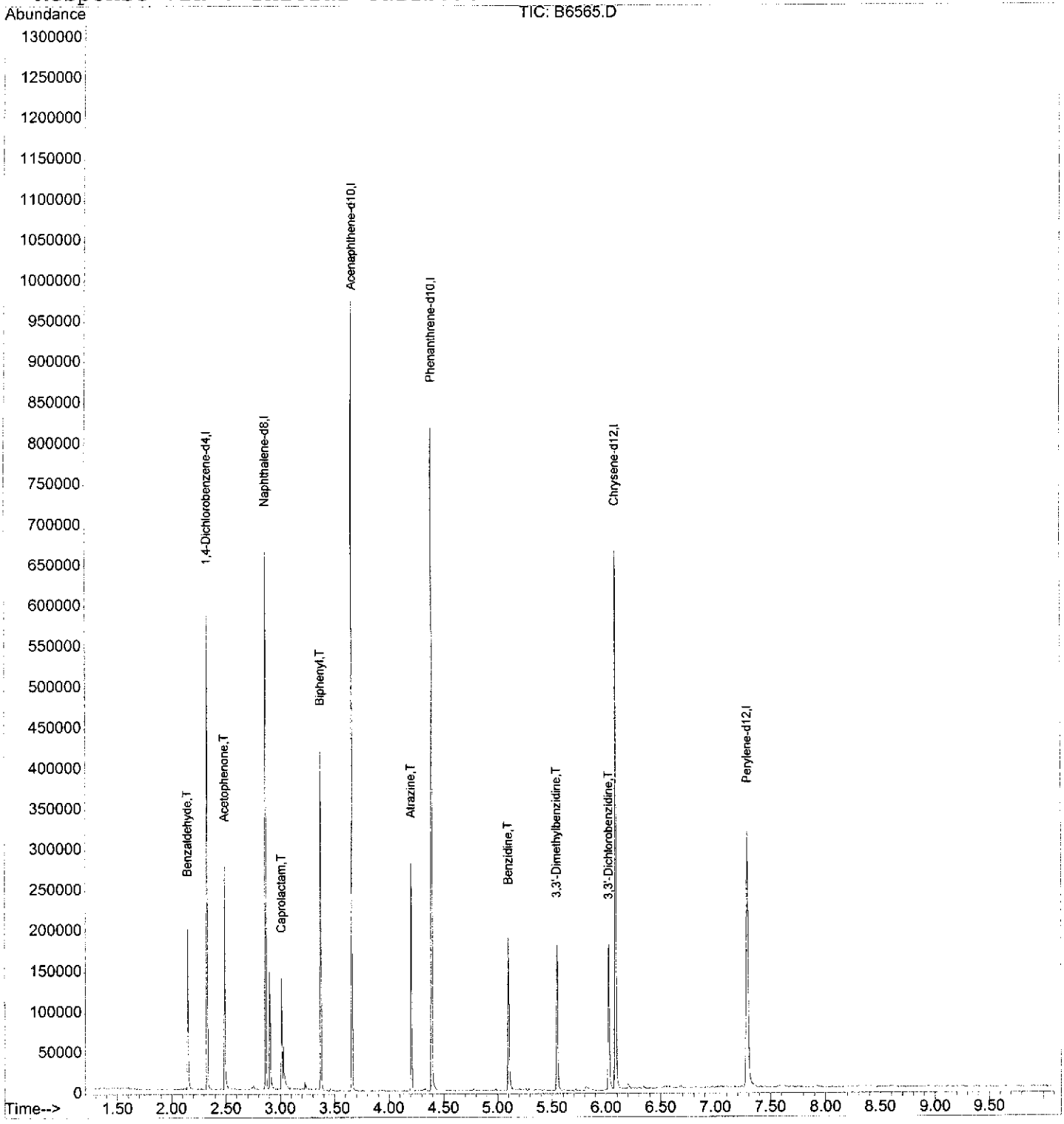
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	49613	40.00	UG		-0.01
23) Naphthalene-d8	2.87	136	190683	40.00	UG		-0.01
43) Acenaphthene-d10	3.66	164	114721	40.00	UG		0.00
66) Phenanthrene-d10	4.39	188	213762	40.00	UG		0.00
82) Chrysene-d12	6.09	240	191607	40.00	UG		0.02
92) Perylene-d12	7.29	264	153515	40.00	UG		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	2.18	99	47	0.02	UG		0.00
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.02%#				
24) Nitrobenzene-d5	2.57	82	54	0.03	UG		0.00
Spiked Amount 50.000	Range 29 - 101		Recovery = 0.06%#				
47) 2-Fluorobiphenyl	0.00	172	0d	0.00	UG		
Spiked Amount 50.000	Range 34 - 98		Recovery = 0.00%#				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	0.00	244	0d	0.00	UG		
Spiked Amount 50.000	Range 39 - 121		Recovery = 0.00%#				
Target Compounds							Qvalue
5) Benzaldehyde	2.15	106	22322	16.67	UG		99
19) Acetophenone	2.49	105	42599	17.50	UG	#	58
38) Caprolactam	3.01	55	13077m	16.32	UG		
48) Biphenyl	3.37	154	79706	18.40	UG		100
73) Atrazine	4.20	200	19203	21.01	UG		98
80) Benzidine	5.10	184	62612	18.20	UG	#	97
85) 3,3'-Dimethylbenzidine	5.55	212	61580	16.99	UG	#	100
87) 3,3'-Dichlorobenzidine	6.03	252	37664	22.55	UG		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6565.D Vial: 98
Acq On : 11 Apr 2008 10:41 Operator: JC
Sample : ABN017.08,20ng_OLMO4_FOR_04/10/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 8:09 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6582.D Vial: 16
Acq On : 11 Apr 2008 14:48 Operator: JC
Sample : .,MS(BLK),A,1000ml,100,04/09/08 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 14:58:51 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	44755	40.00	UG	-0.01
23) Naphthalene-d8	2.87	136	167112	40.00	UG	-0.01
43) Acenaphthene-d10	3.65	164	99431	40.00	UG	-0.02
66) Phenanthrene-d10	4.37	188	183048	40.00	UG	-0.02
82) Chrysene-d12	6.06	240	147785	40.00	UG	-0.02
92) Perylene-d12	7.25	264	116245	40.00	UG	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	1.82	112	82475	57.78	UG	-0.02
Spiked Amount 100.000	Range 11 - 101		Recovery = 57.78%			
6) Phenol-d5	2.16	99	140522	76.35	UG	-0.01
Spiked Amount 100.000	Range 10 - 101		Recovery = 76.35%			
24) Nitrobenzene-d5	2.56	82	44241	25.19	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 50.38%			
47) 2-Fluorobiphenyl	3.32	172	97097	28.41	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 56.82%			
70) 2,4,6-Tribromophenol	4.03	330	90323	112.31	UG	-0.01
Spiked Amount 100.000	Range 28 - 113		Recovery = 112.31%			
84) Terphenyl-d14	5.21	244	115962	32.56	UG	-0.02
Spiked Amount 50.000	Range 39 - 121		Recovery = 65.12%			
Target Compounds						Qvalue
7) Phenol	2.17	94	40836	18.44	UG	# 74
10) 2-Chlorophenol	2.25	128	37171	23.49	UG	94
12) 1,4-Dichlorobenzene	2.33	146	41244	22.51	UG	95
18) N-Nitrosodi-n-propylamine	2.49	70	29489	20.63	UG	# 83
33) 1,2,4-Trichlorobenzene	2.84	180	33564	25.58	UG	99
40) 4-Chloro-3-methylphenol	3.08	107	35793	25.70	UG	97
55) Acenaphthene	3.66	153	89138	29.38	UG	99
57) 4-Nitrophenol	3.61	65	28028m	36.84	UG	
58) 2,4-Dinitrotoluene	3.72	165	28378	32.35	UG	# 69
74) Pentachlorophenol	4.29	266	20372	31.95	UG	99
83) Pyrene	5.15	202	150082	31.54	UG	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

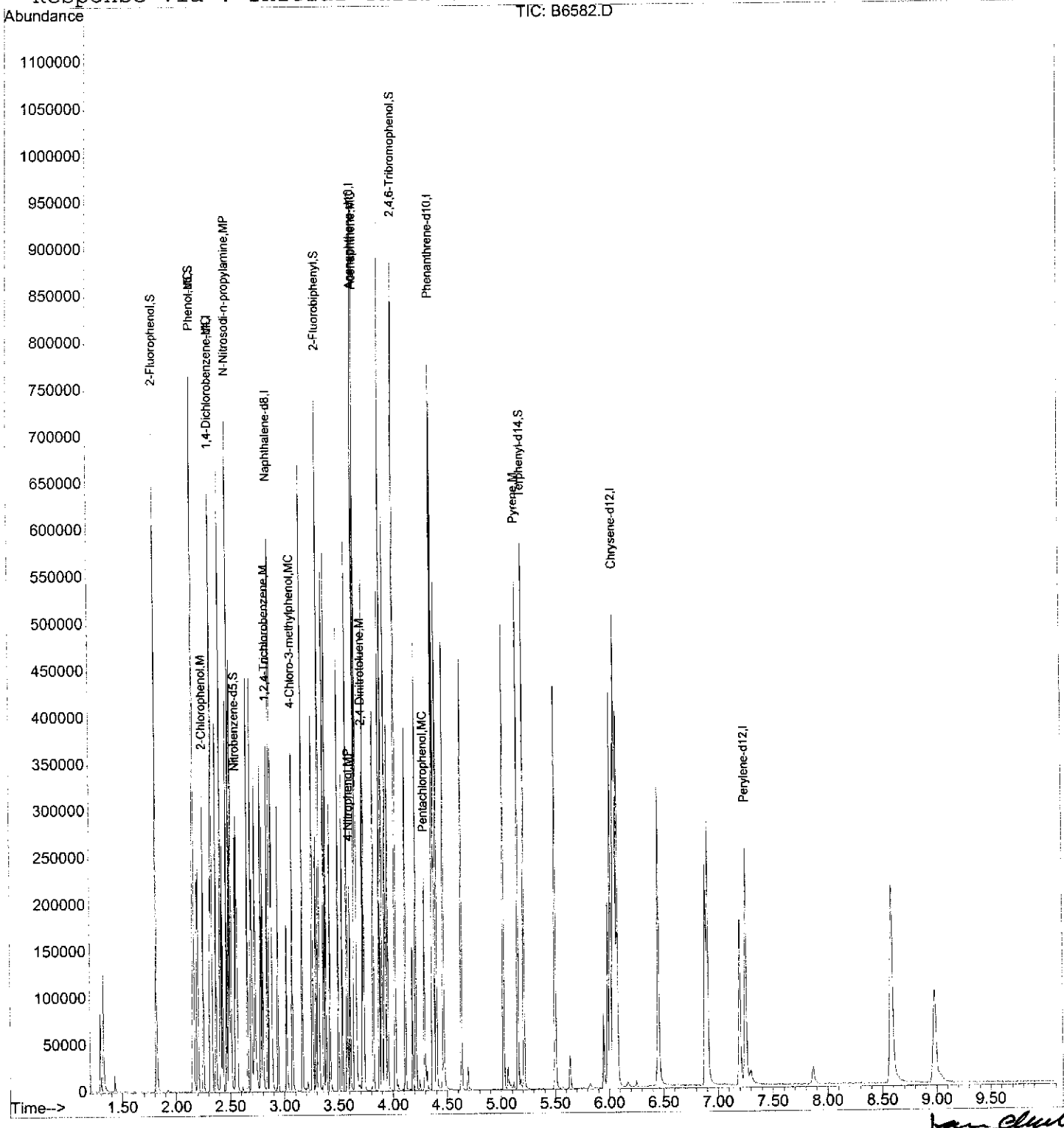
Quantitation Report (QT Reviewed)

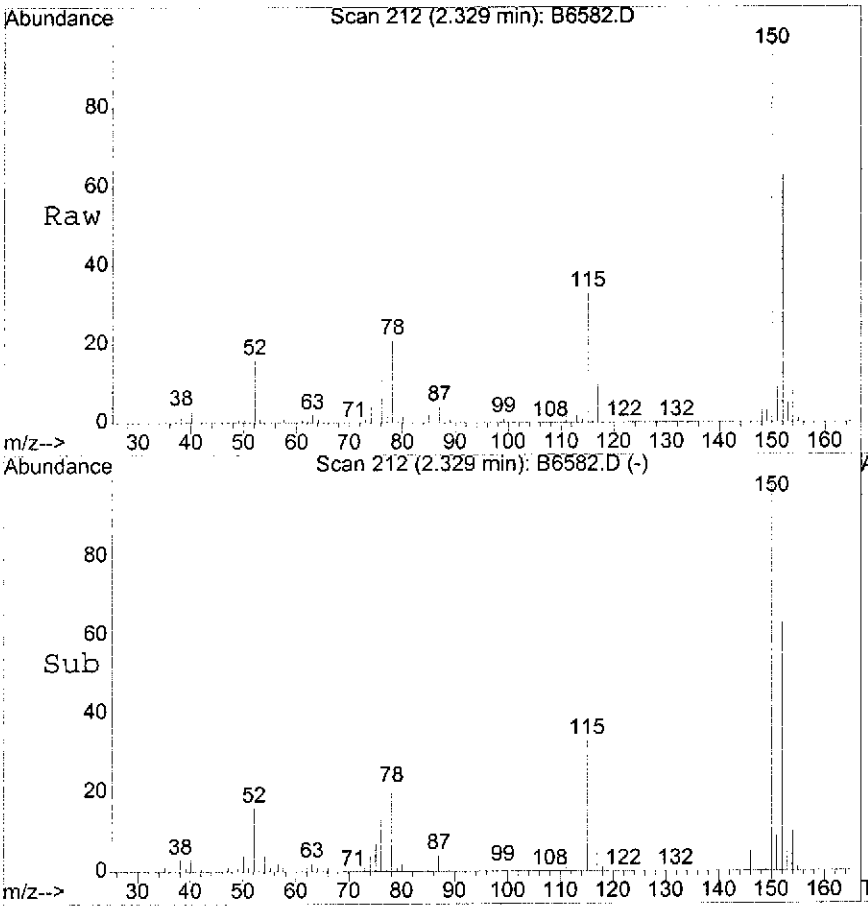
Data File : C:\MSDCHEM\1\DATA\04-11-08\B6582.D
Acq On : 11 Apr 2008 14:48
Sample : .,MS(BLK),A,1000ml,100,04/09/08
Misc : NA,NA,NA,1
MS Integration Params: rteint.p
Quant Time: Apr 15 7:40 2008

Vial: 16
Operator: JC
Inst : MSD_B
Multiplr: 1.00

Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

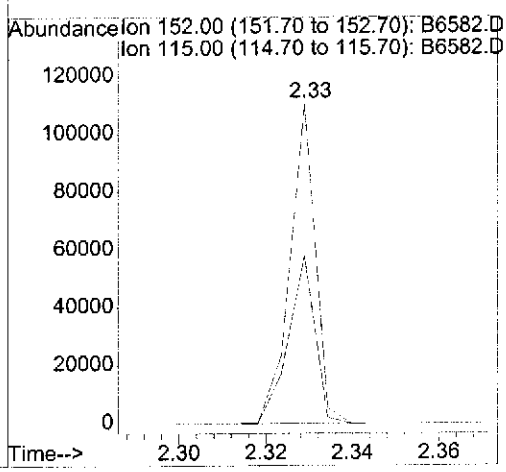


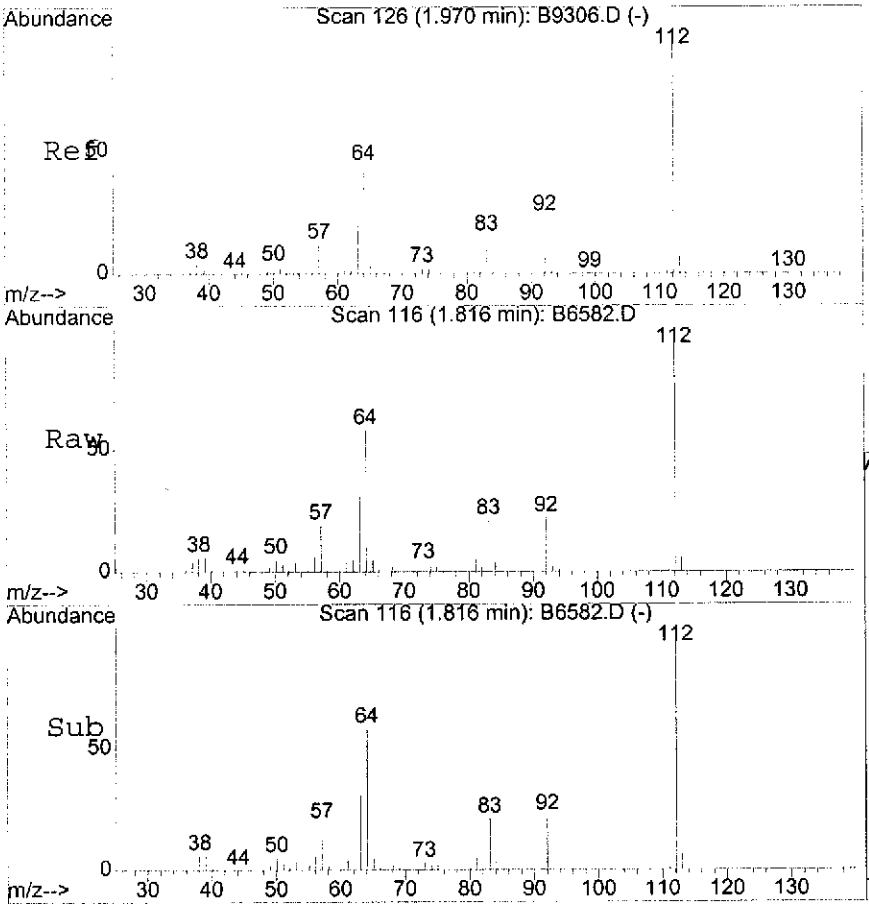


#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:152 Resp: 44755

Ion	Ratio	Lower	Upper
152	100		
115	55.4	42.7	64.1

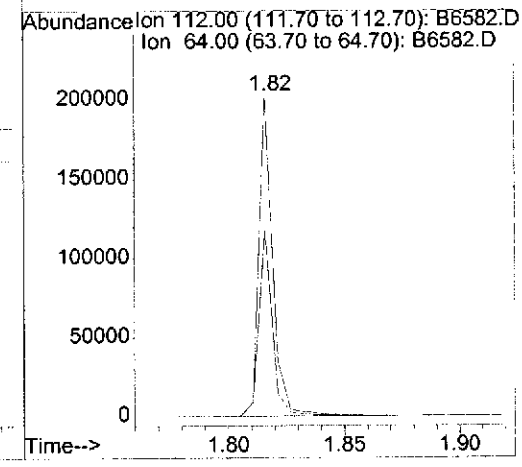


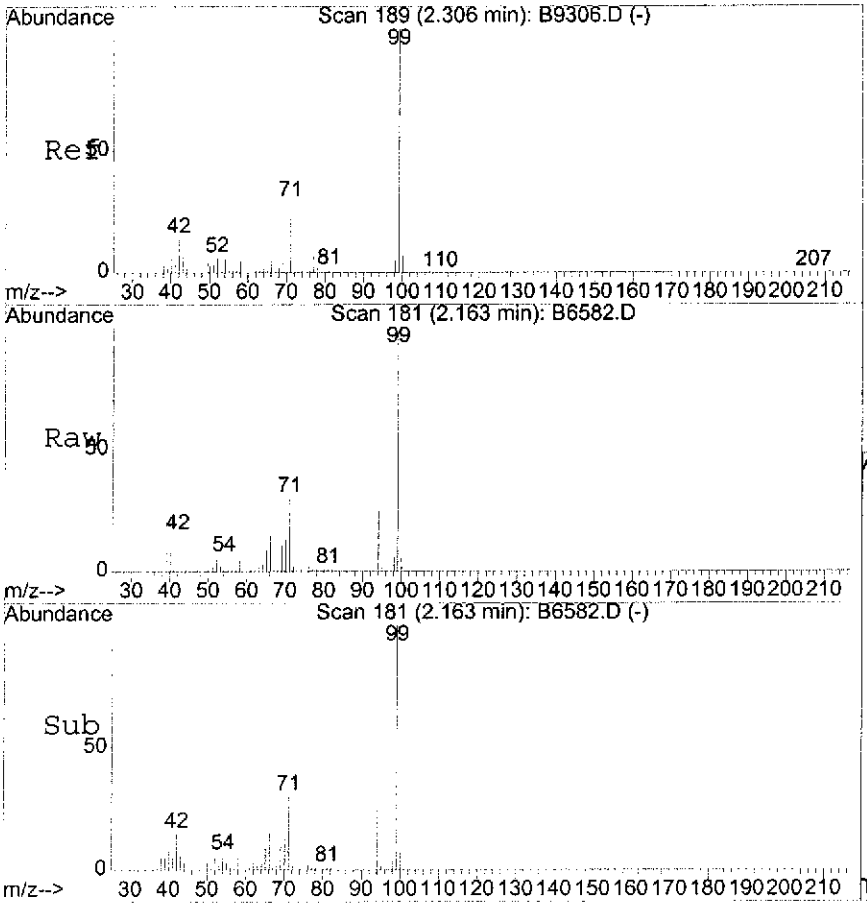


#4
2-Fluorophenol
Concen: 57.78 UG
RT: 1.82 min Scan# 116
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:112 Resp: 82475

Ion	Ratio	Lower	Upper
112	100		
64	57.3	37.2	55.8#

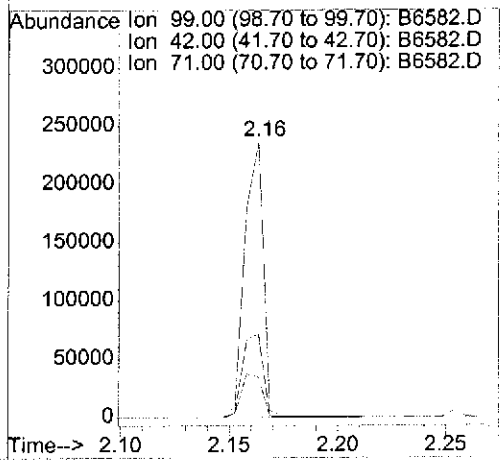


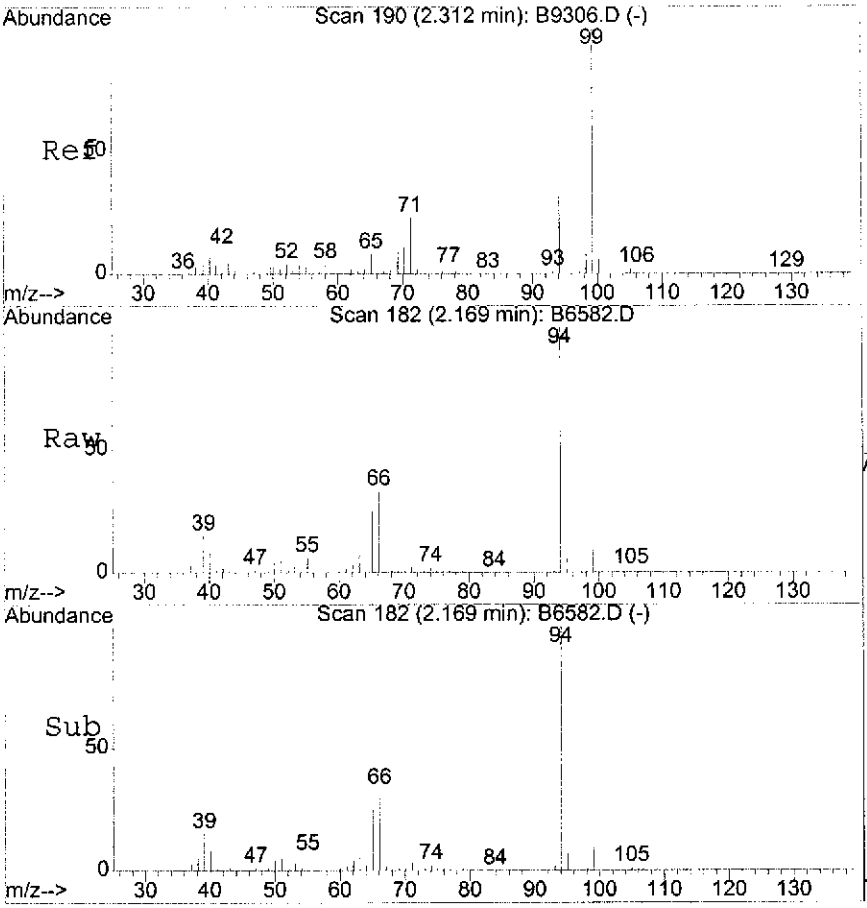


#6
Phenol-d5
Concen: 76.35 UG
RT: 2.16 min Scan# 181
Delta R.T. -0.01 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion: 99 Resp: 140522

Ion	Ratio	Lower	Upper
99	100		
42	17.7	8.9	13.3#
71	33.2	20.0	30.0#

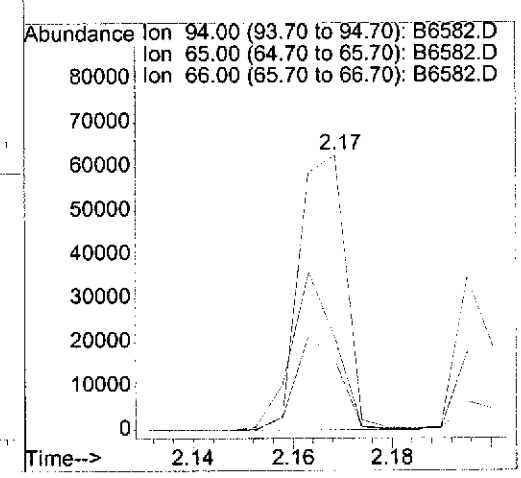


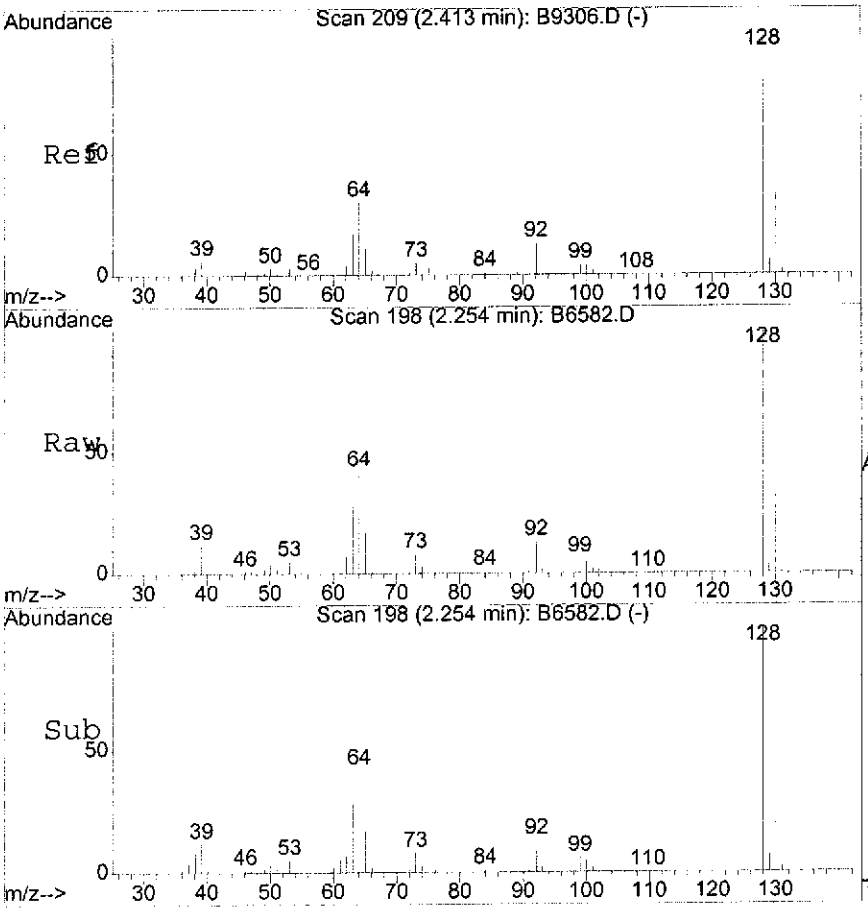


#7
Phenol
Concen: 18.44 UG
RT: 2.17 min Scan# 182
Delta R.T. -0.01 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion: 94 Resp: 40836

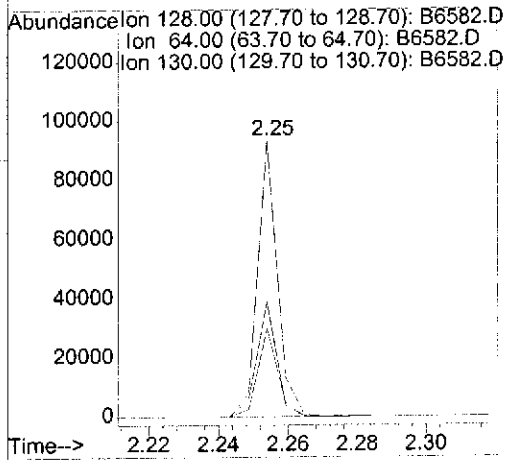
Ion	Ratio	Lower	Upper
94	100		
65	32.1	18.7	28.1#
66	53.9	28.2	42.2#

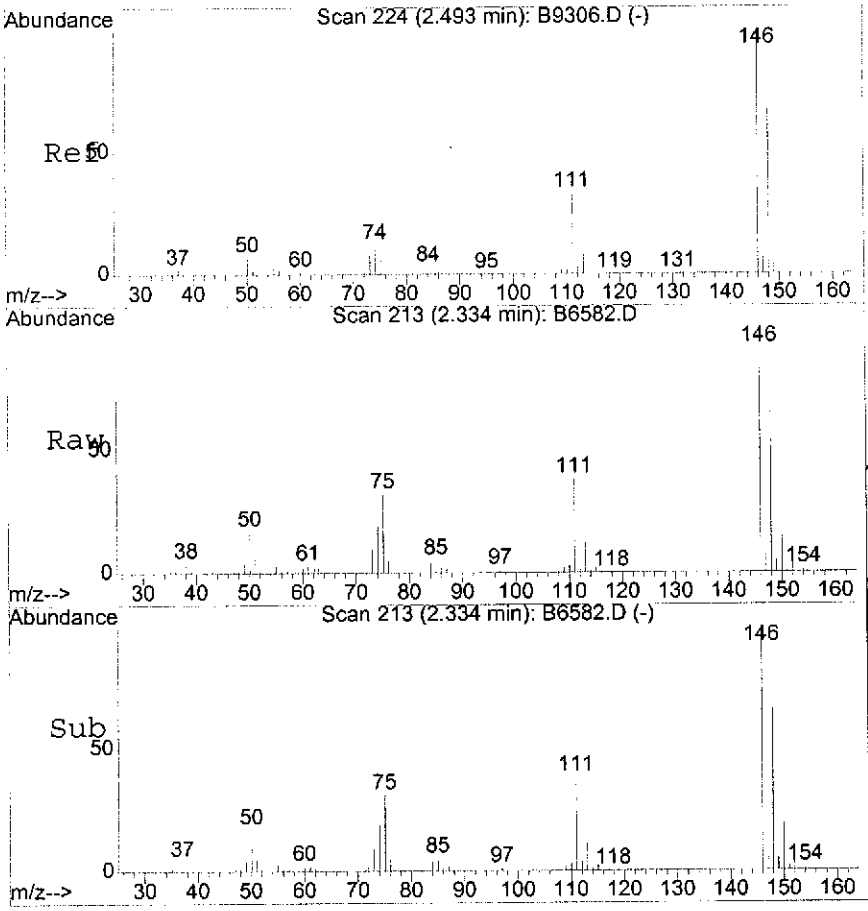




#10
2-Chlorophenol
Concen: 23.49 UG
RT: 2.25 min Scan# 198
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

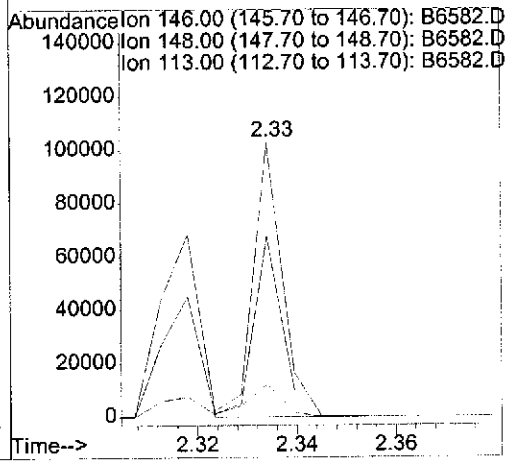
Tgt Ion:128	Resp:	37171	
Ion	Ratio	Lower	Upper
128	100		
64	42.7	29.4	44.0
130	32.3	26.2	39.2

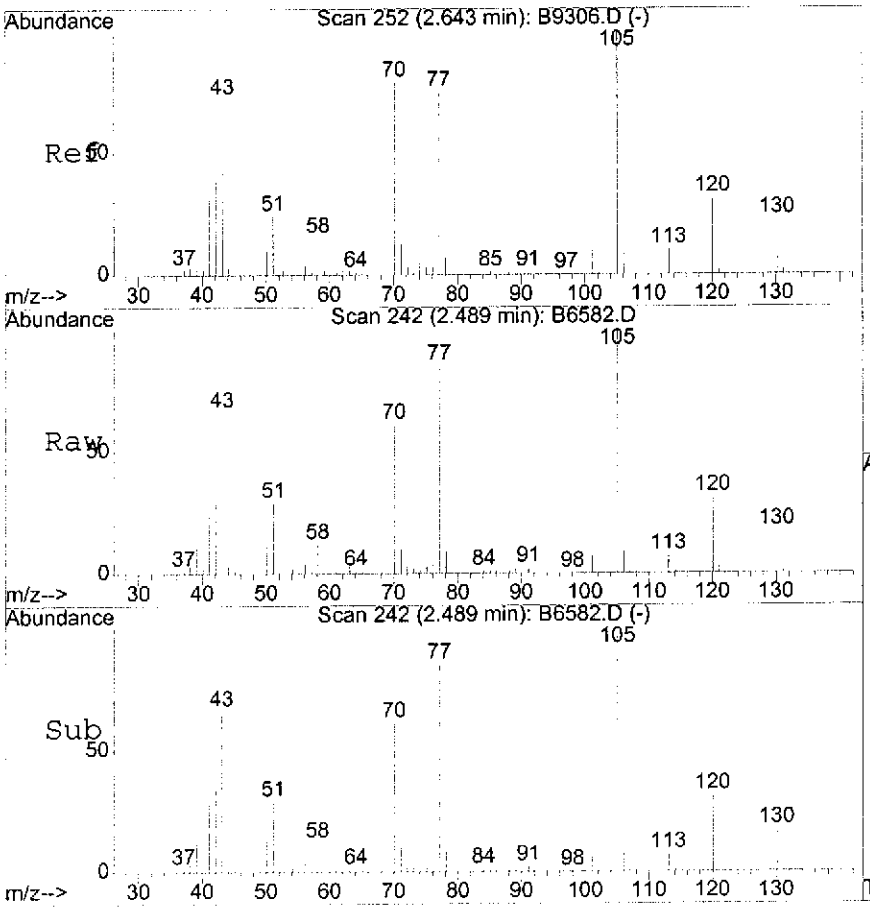




#12
1,4-Dichlorobenzene
Concen: 22.51 UG
RT: 2.33 min Scan# 213
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:146	Resp:	41244	
Ion	Ratio	Lower	Upper
146	100		
148	64.7	56.0	84.0
113	14.0	11.1	16.7

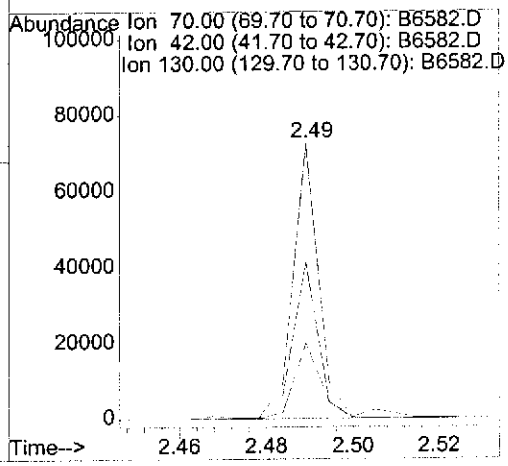


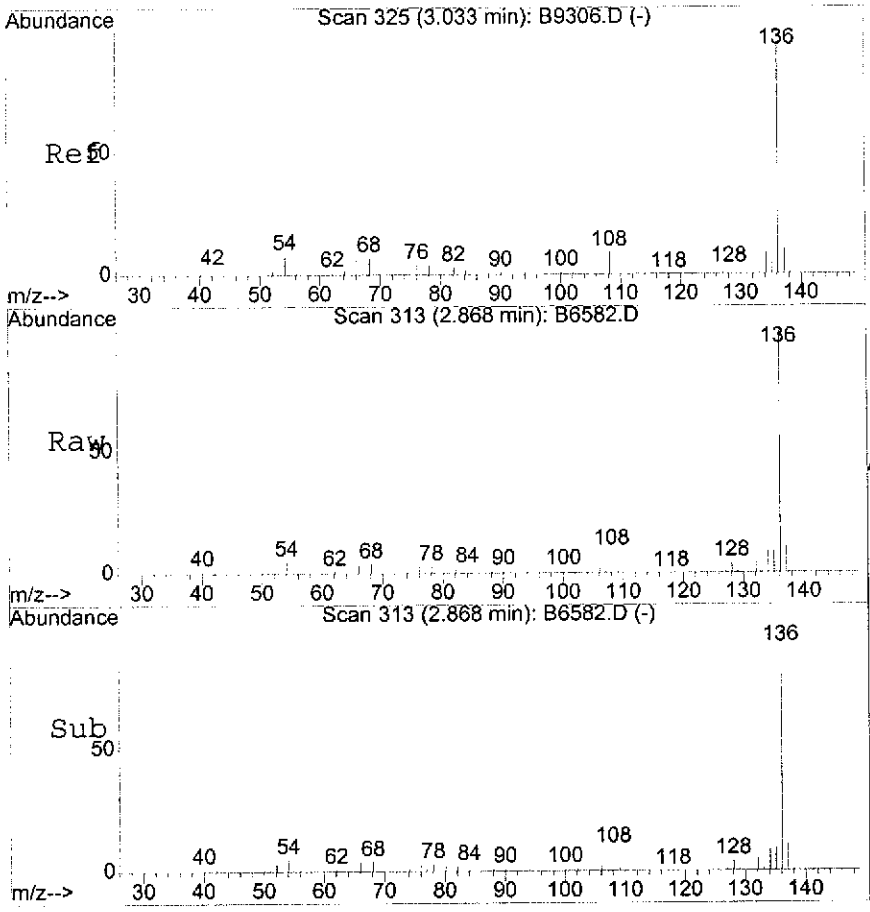


#18
N-Nitrosodi-n-propylamine
Concen: 20.63 UG
RT: 2.49 min Scan# 242
Delta R.T. -0.01 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion: 70 Resp: 29489

Ion	Ratio	Lower	Upper
70	100		
42	61.9	38.0	57.0#
130	28.5	27.8	41.8

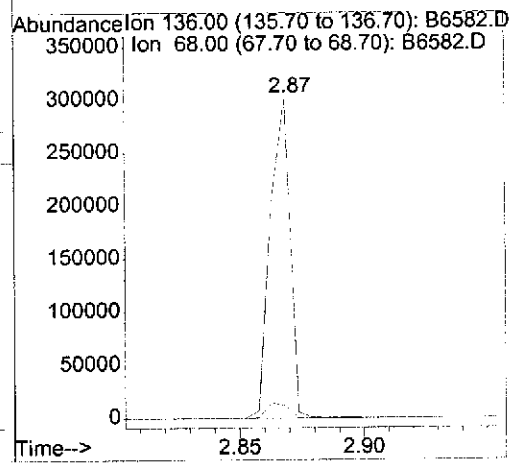


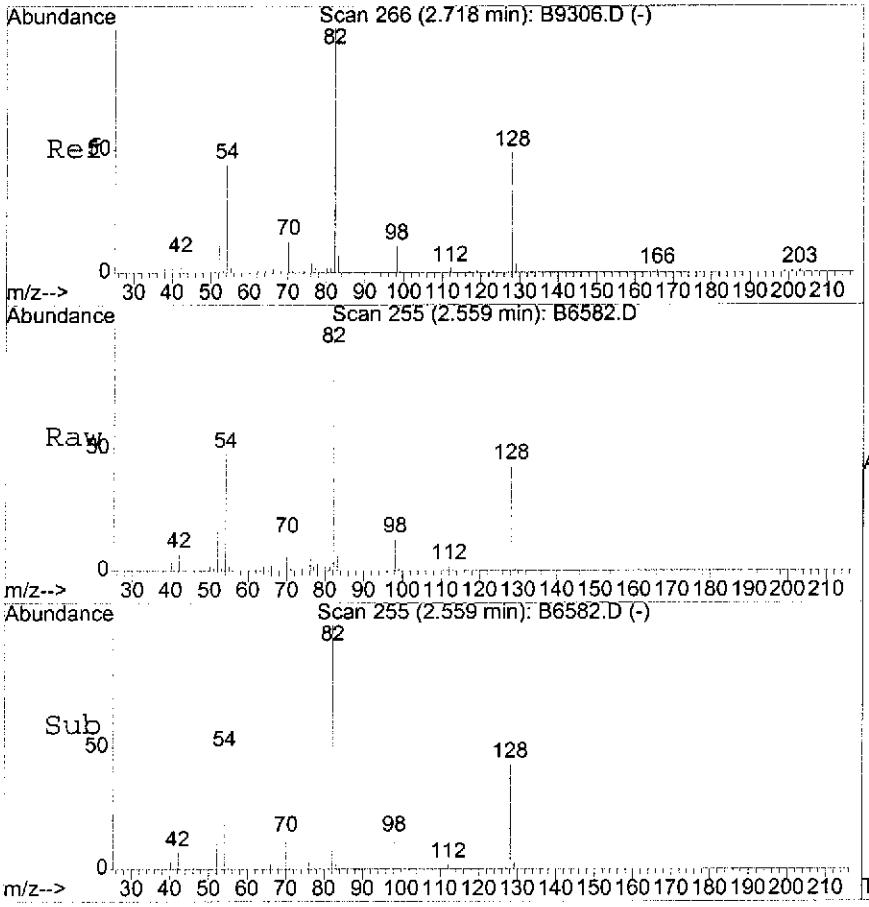


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.87 min Scan# 313
Delta R.T. -0.01 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:136 Resp: 167112

Ion	Ratio	Lower	Upper
136	100		
68	5.2	5.1	7.7

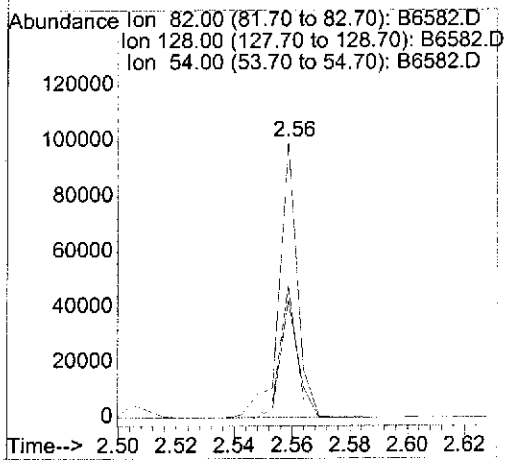


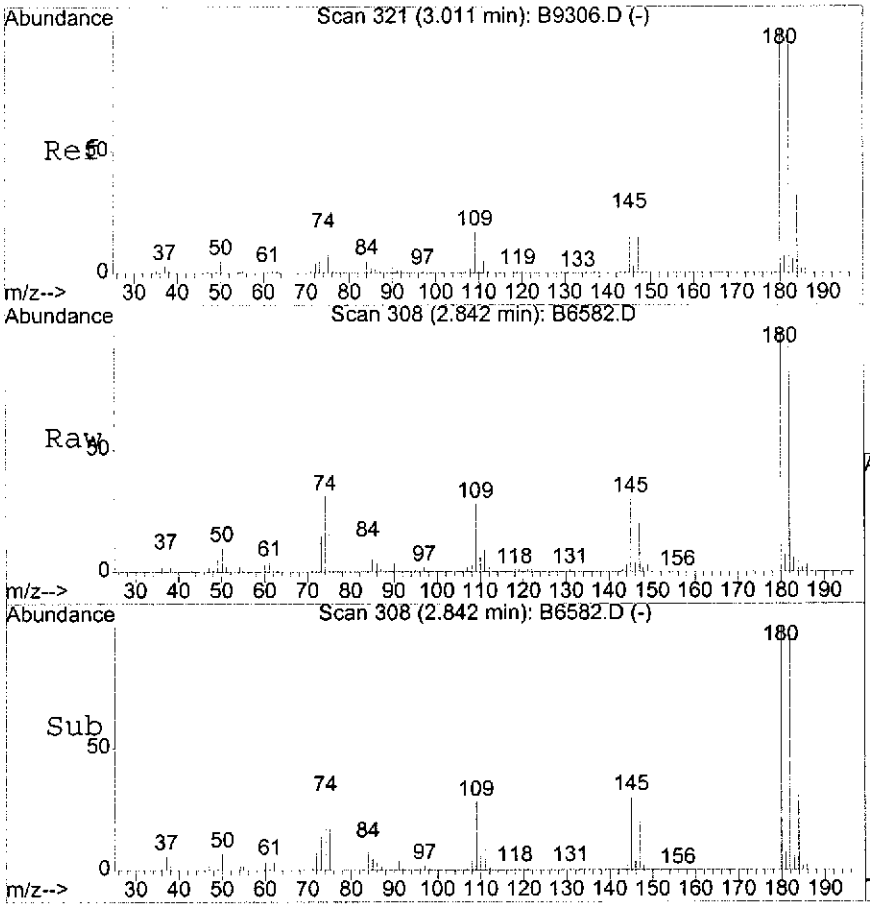


#24
Nitrobenzene-d5
Concen: 25.19 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion: 82 Resp: 44241

Ion	Ratio	Lower	Upper
82	100		
128	41.3	41.8	62.8#
54	43.7	29.6	44.4

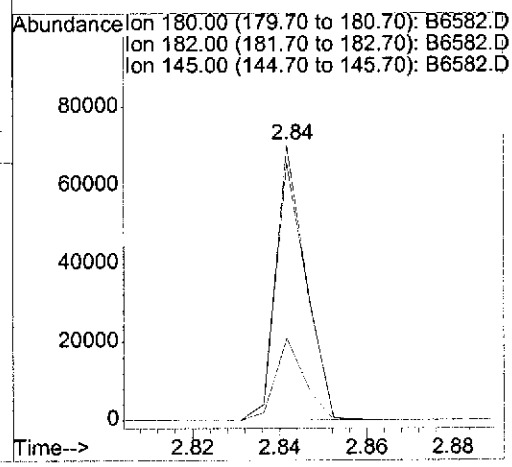


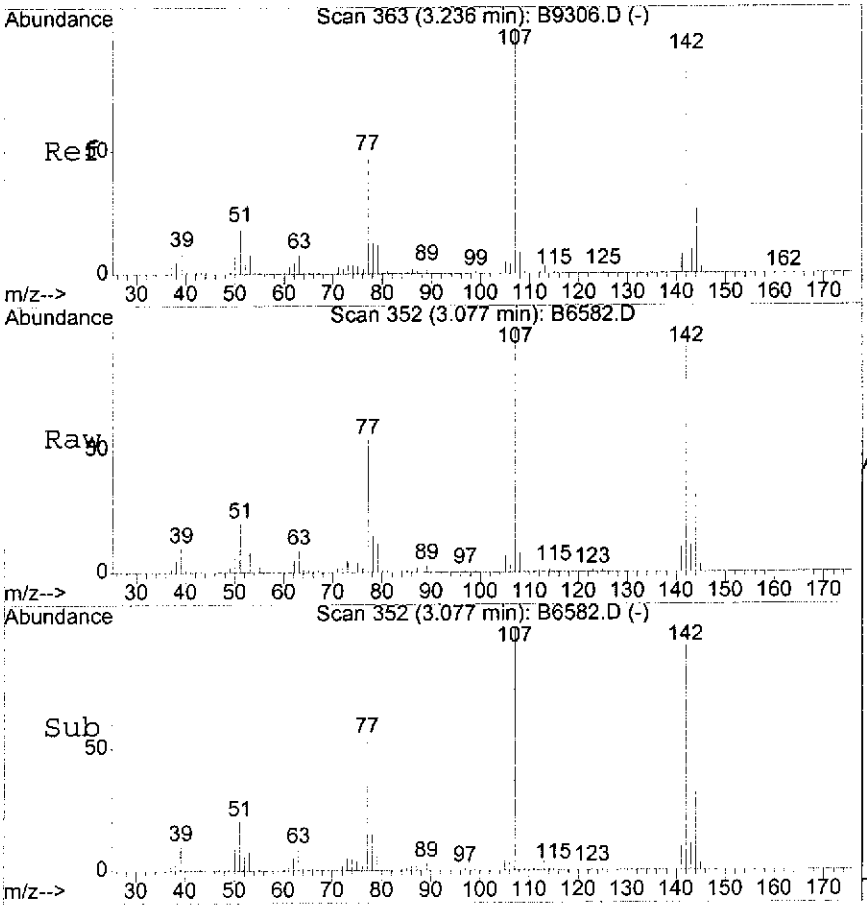


#33
1,2,4-Trichlorobenzene
Concen: 25.58 UG
RT: 2.84 min Scan# 308
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:180 Resp: 33564

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.4	113.2
145	28.8	22.4	33.6

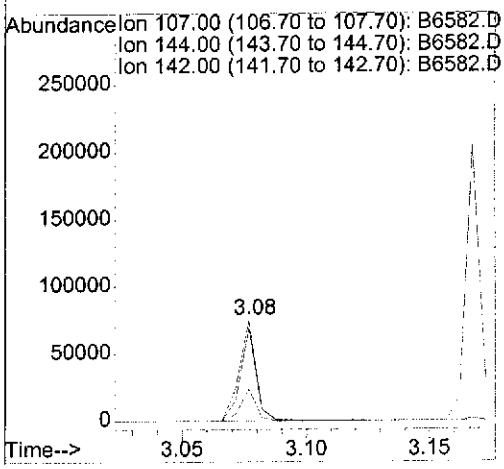


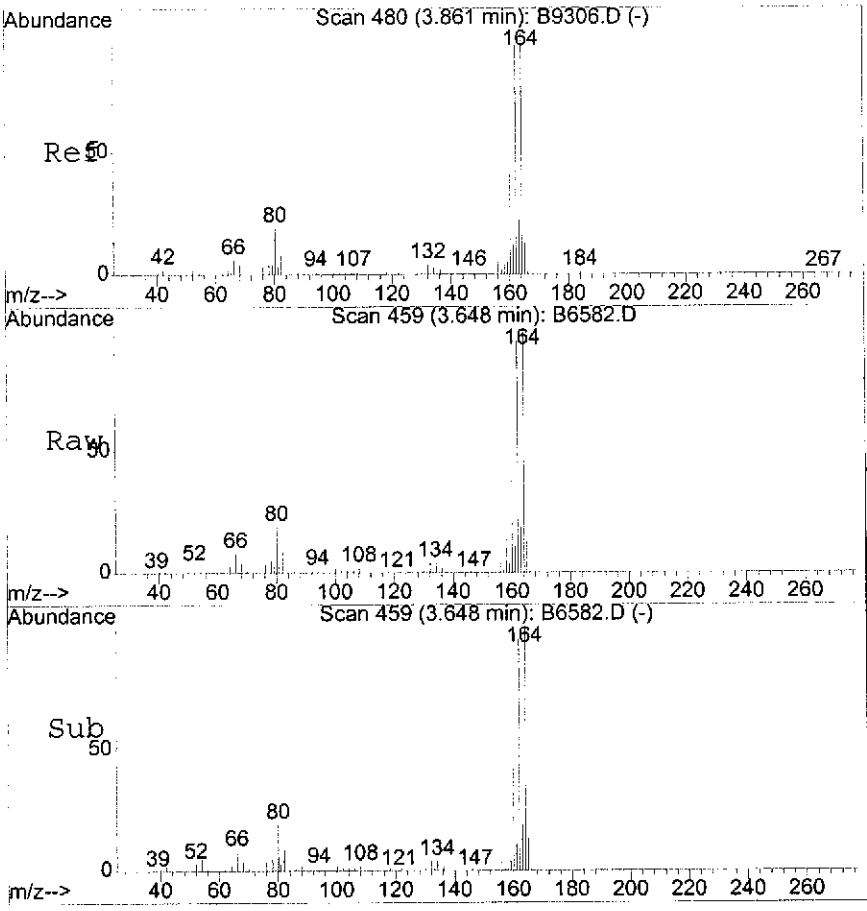


#40
4-Chloro-3-methylphenol
Concen: 25.70 UG
RT: 3.08 min Scan# 352
Delta R.T. -0.01 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:107 Resp: 35793

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.2	34.8
142	85.8	71.4	107.2

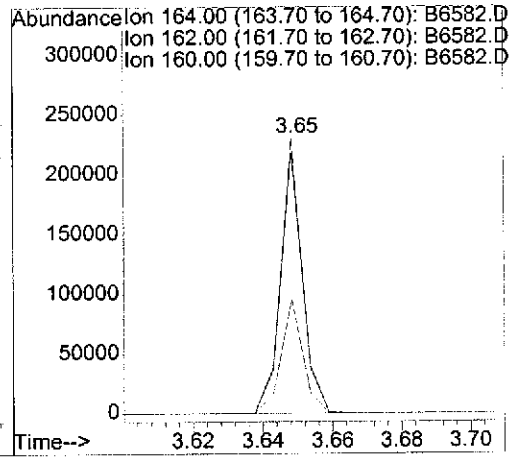


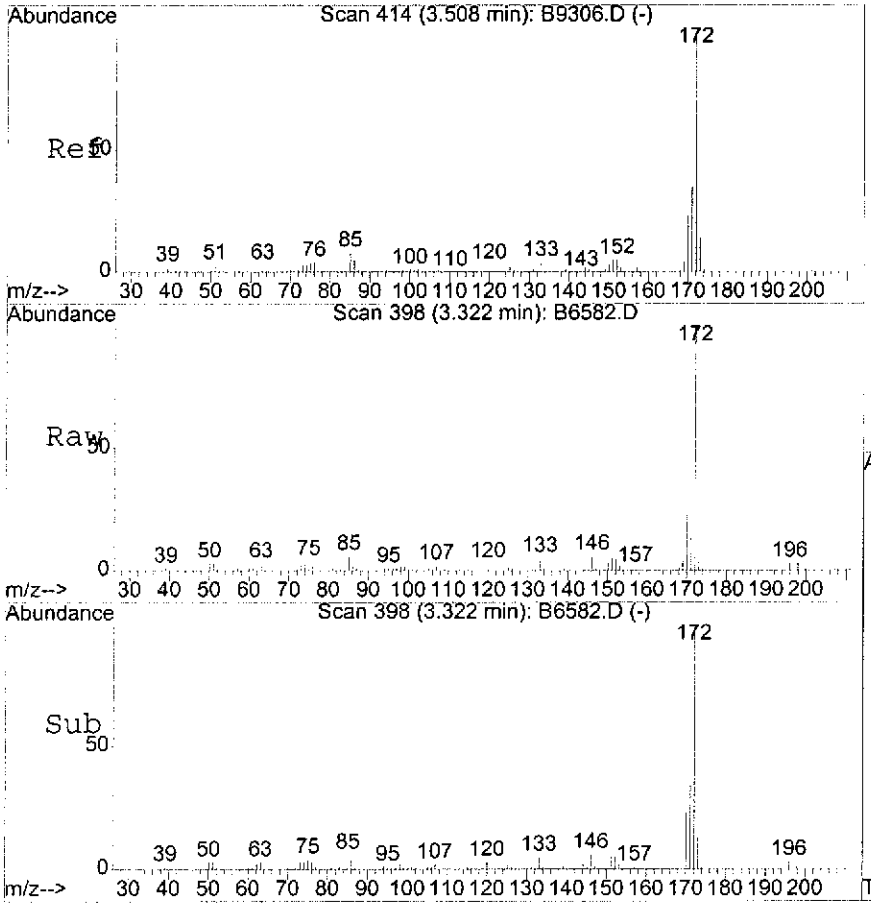


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.65 min Scan# 459
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:164 Resp: 99431

Ion	Ratio	Lower	Upper
164	100		
162	95.1	74.3	111.5
160	42.0	32.8	49.2

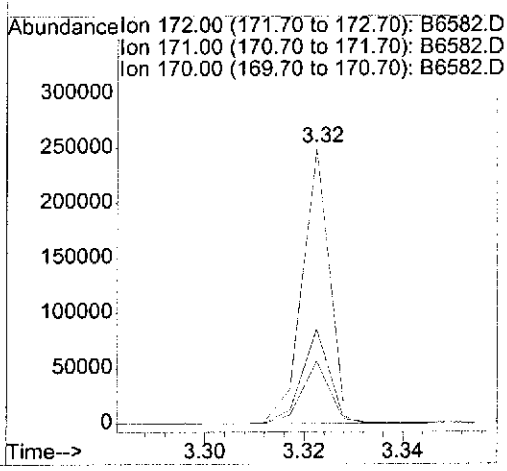


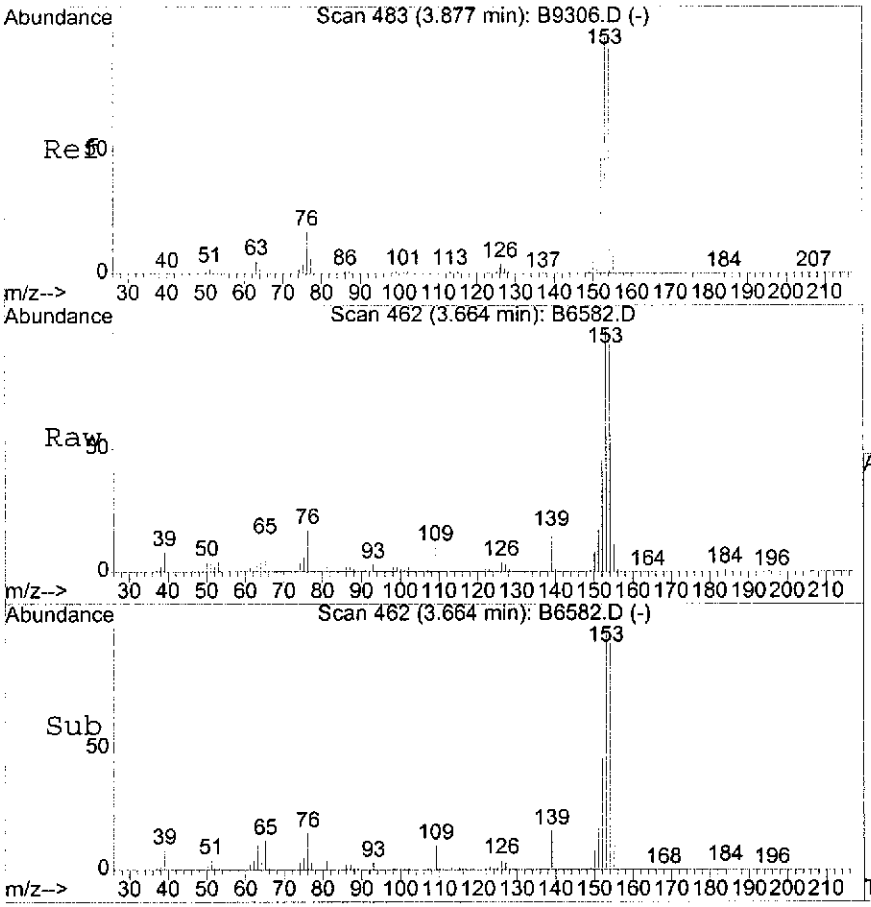


#47
2-Fluorobiphenyl
Concen: 28.41 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:172 Resp: 97097

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.7	41.5
170	22.8	18.2	27.2

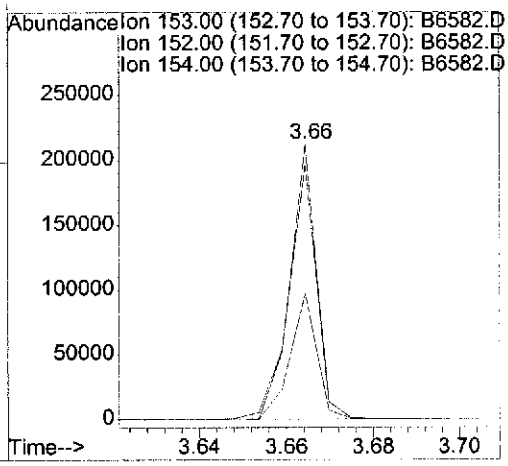


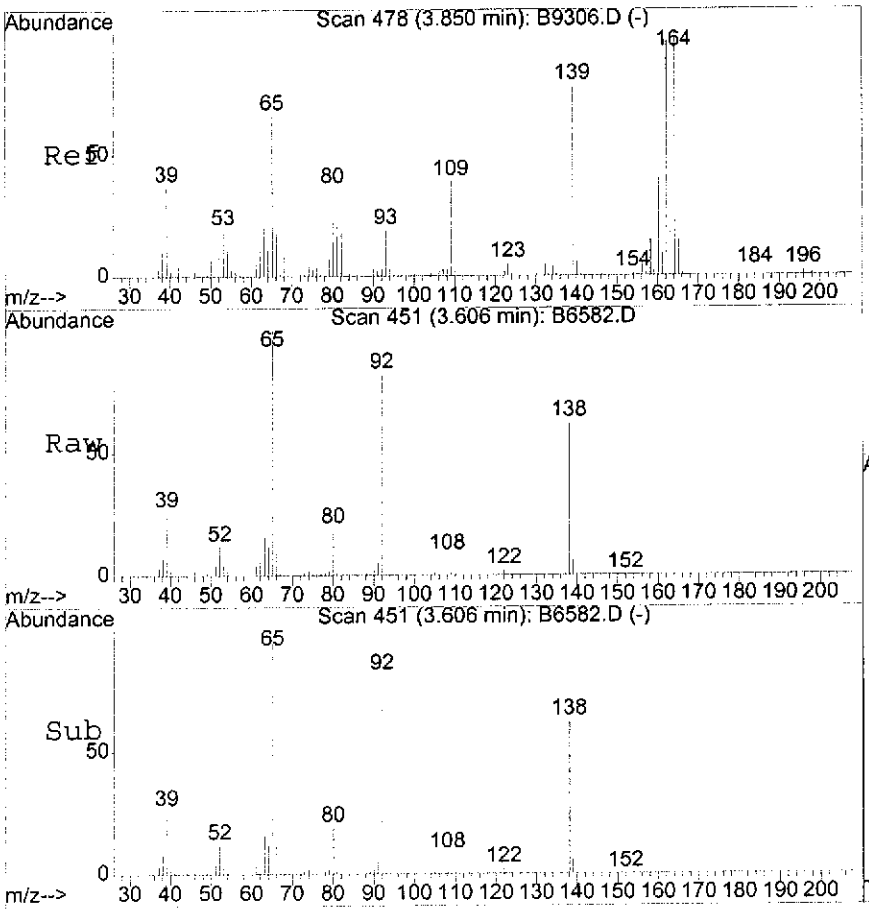


#55
Acenaphthene
Concen: 29.38 UG
RT: 3.66 min Scan# 462
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:153 Resp: 89138

Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.4	56.2
154	97.5	79.0	118.6

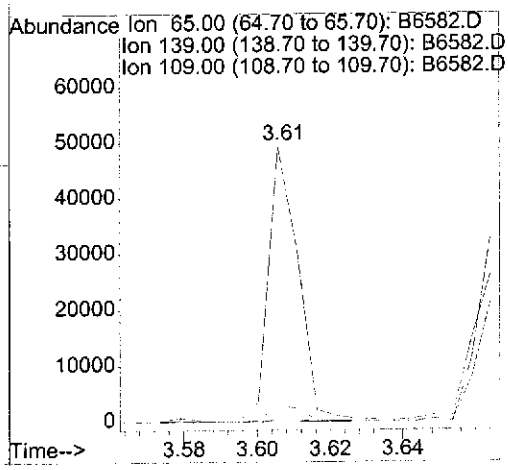


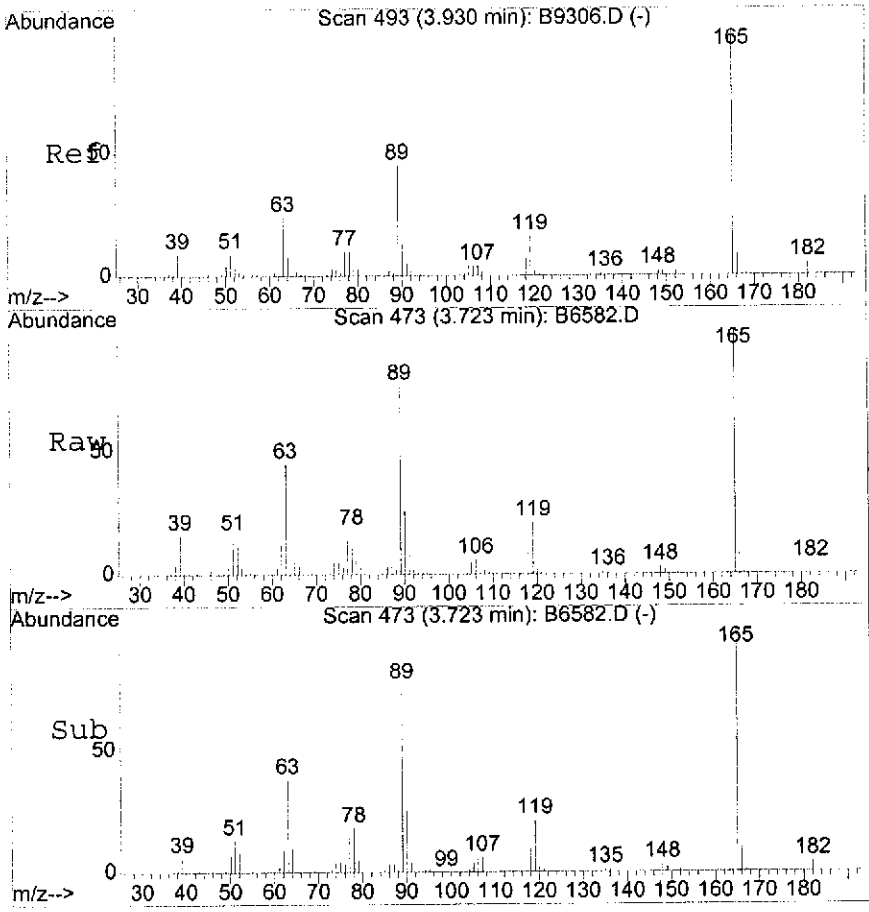


#57
4-Nitrophenol
Concen: 36.84 UG m
RT: 3.61 min Scan# 451
Delta R.T. -0.07 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion: 65 Resp: 28028

Ion	Ratio	Lower	Upper
65	100		
139	70.1	0.0	0.0#
109	45.6	0.0	0.0#

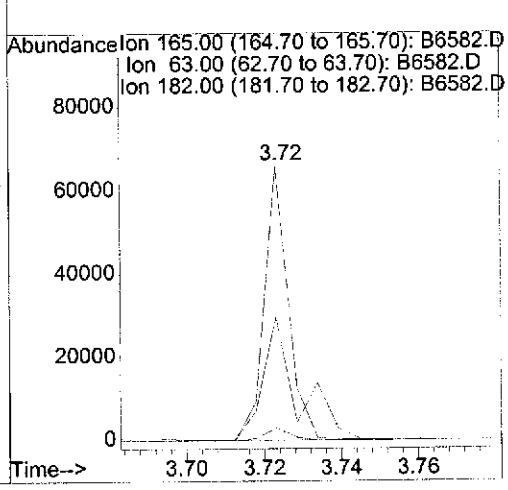


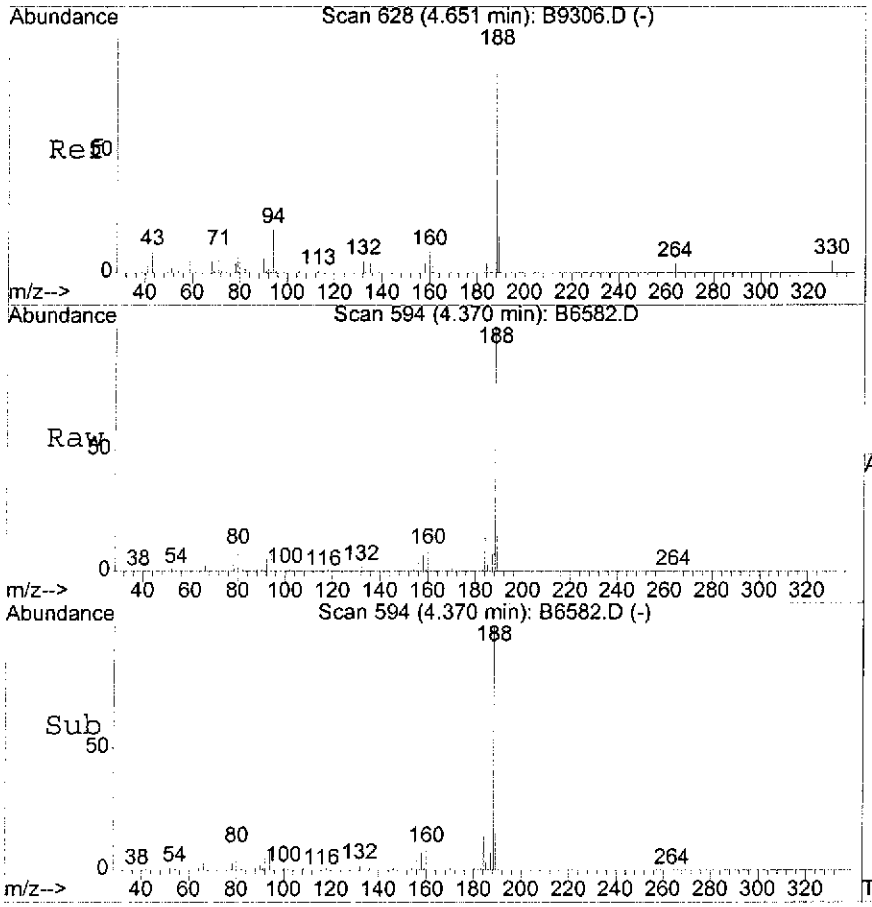


#58
2,4-Dinitrotoluene
Concen: 32.35 UG
RT: 3.72 min Scan# 473
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:165 Resp: 28378

Ion	Ratio	Lower	Upper
165	100		
63	65.8	35.0	52.6#
182	4.5	4.1	6.1

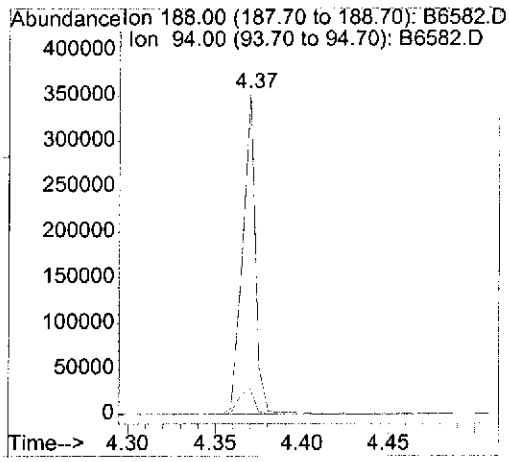


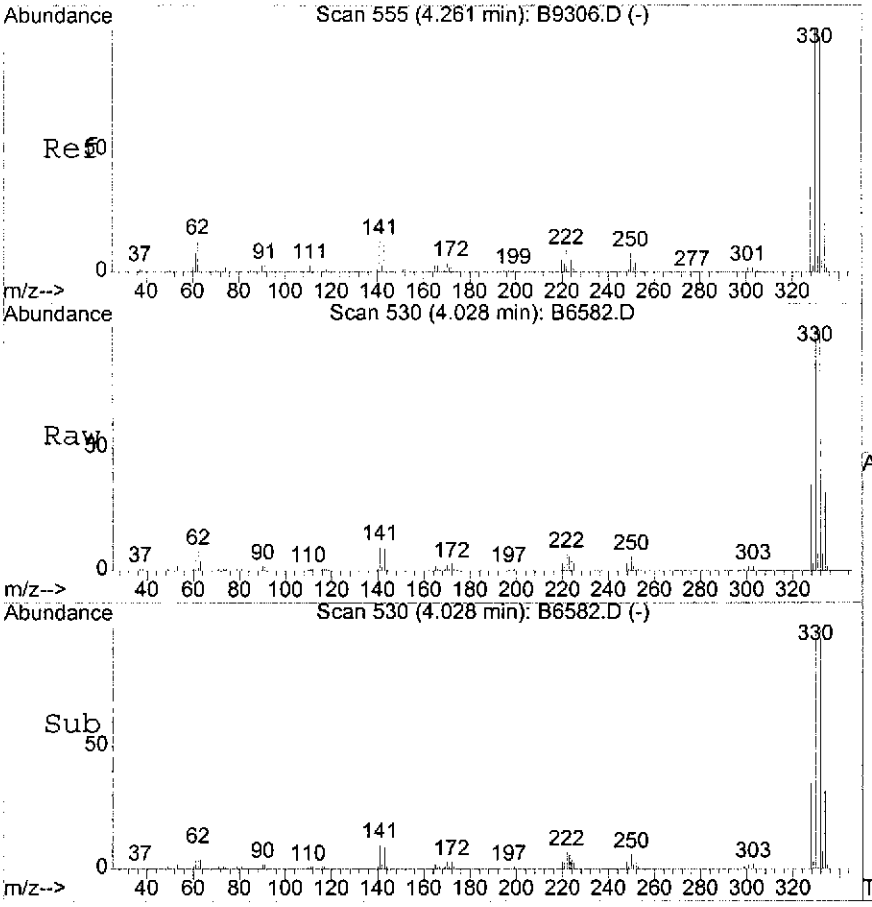


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.37 min Scan# 594
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:188 Resp: 183048

Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.4	14.0

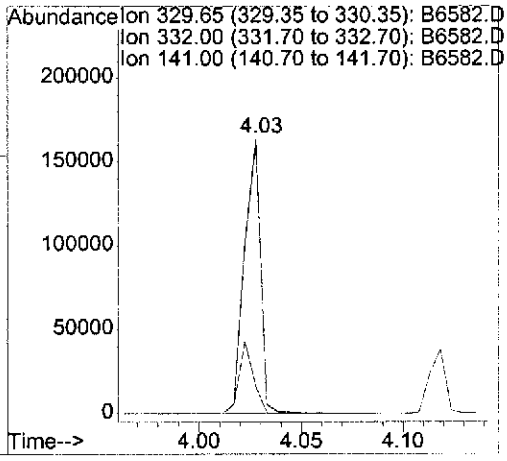


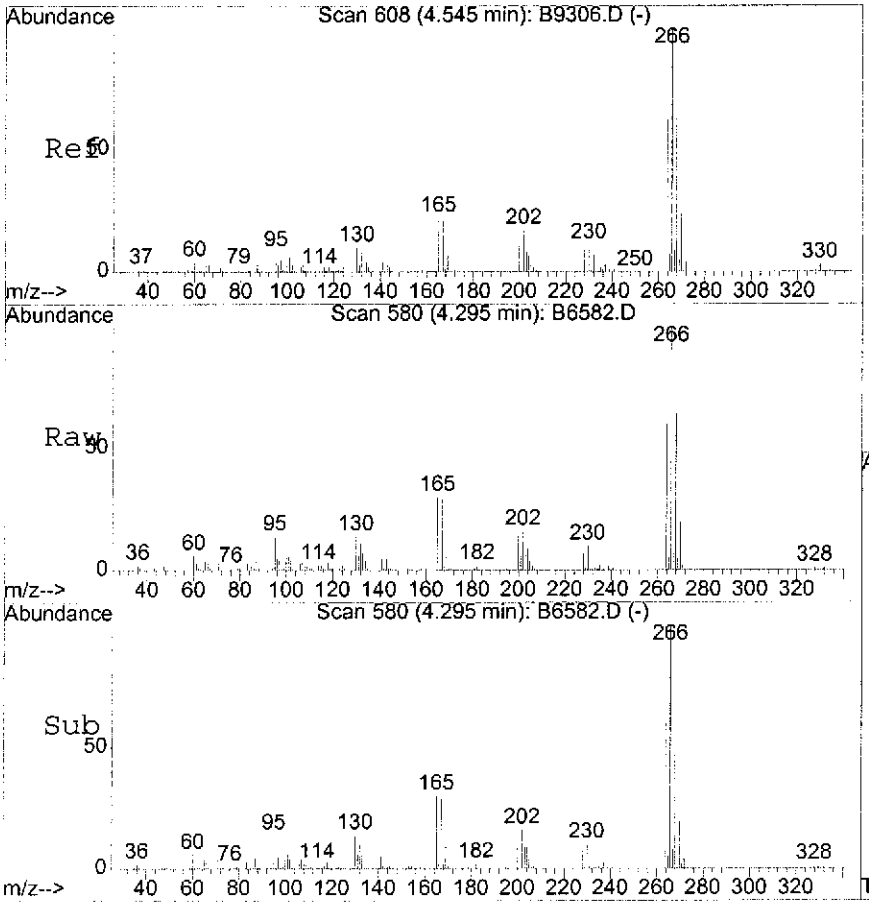


#70
2,4,6-Tribromophenol
Concen: 112.31 UG
RT: 4.03 min Scan# 530
Delta R.T. -0.01 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:330 Resp: 90323

Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.4	119.2
141	23.5	21.8	32.8

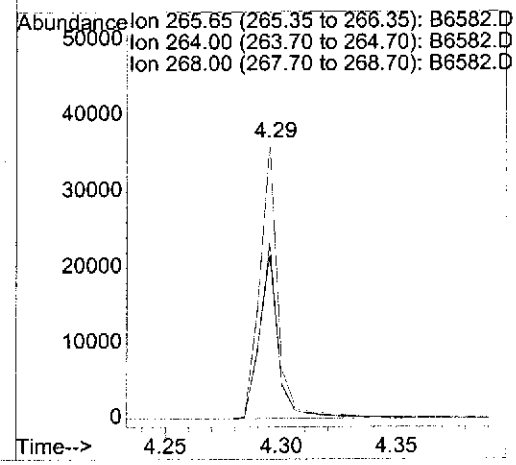


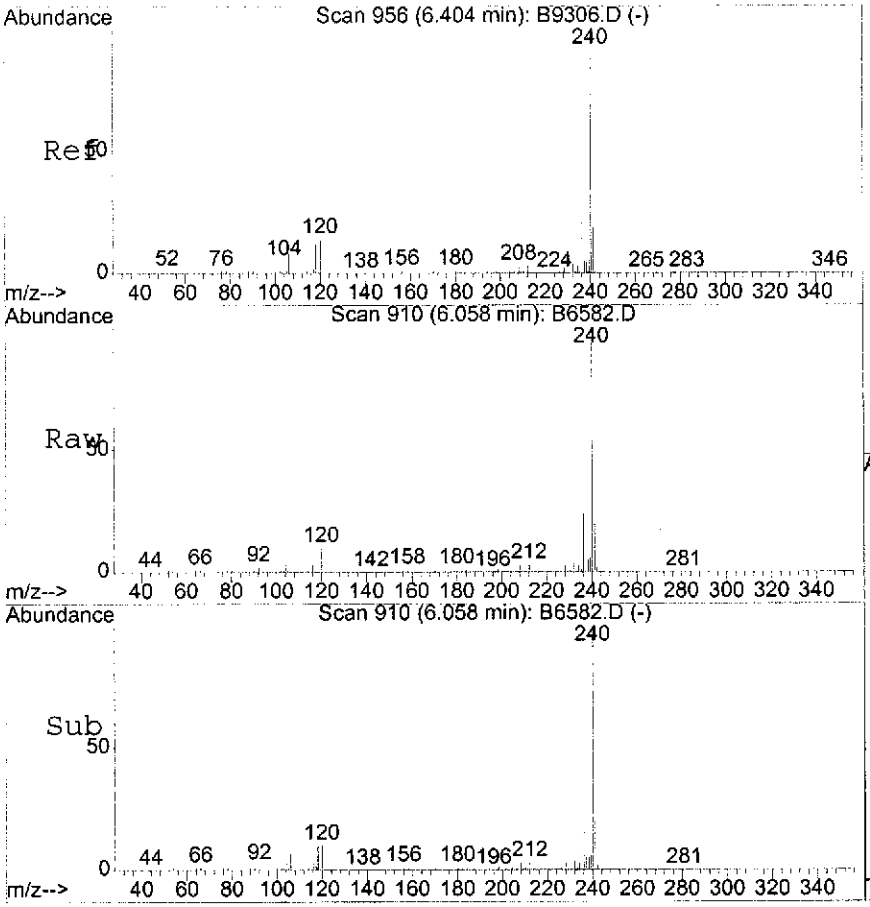


#74
Pentachlorophenol
Concen: 31.95 UG
RT: 4.29 min Scan# 580
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:266 Resp: 20372

Ion	Ratio	Lower	Upper
266	100		
264	61.8	49.5	74.3
268	64.9	50.2	75.4

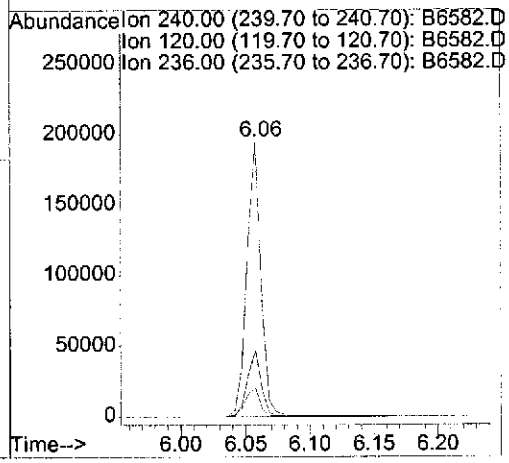


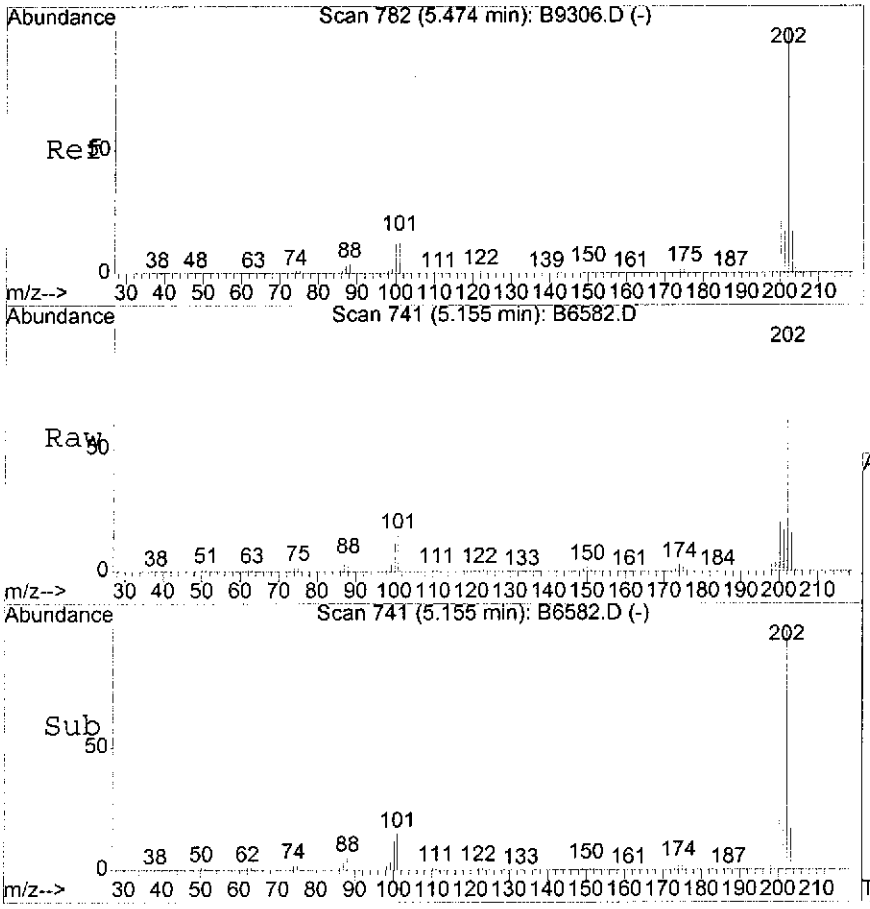


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.06 min Scan# 910
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:240 Resp: 147785

Ion	Ratio	Lower	Upper
240	100		
120	10.9	11.7	17.5#
236	23.7	19.2	28.8

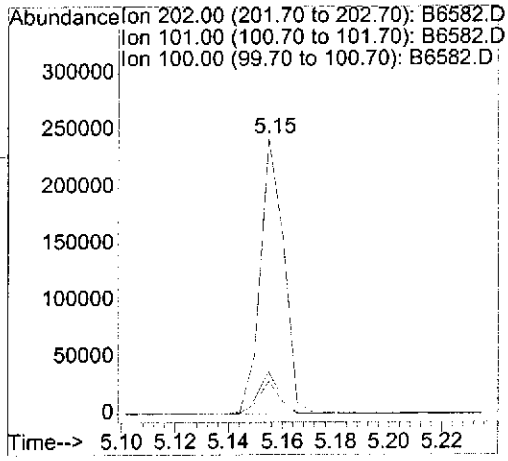


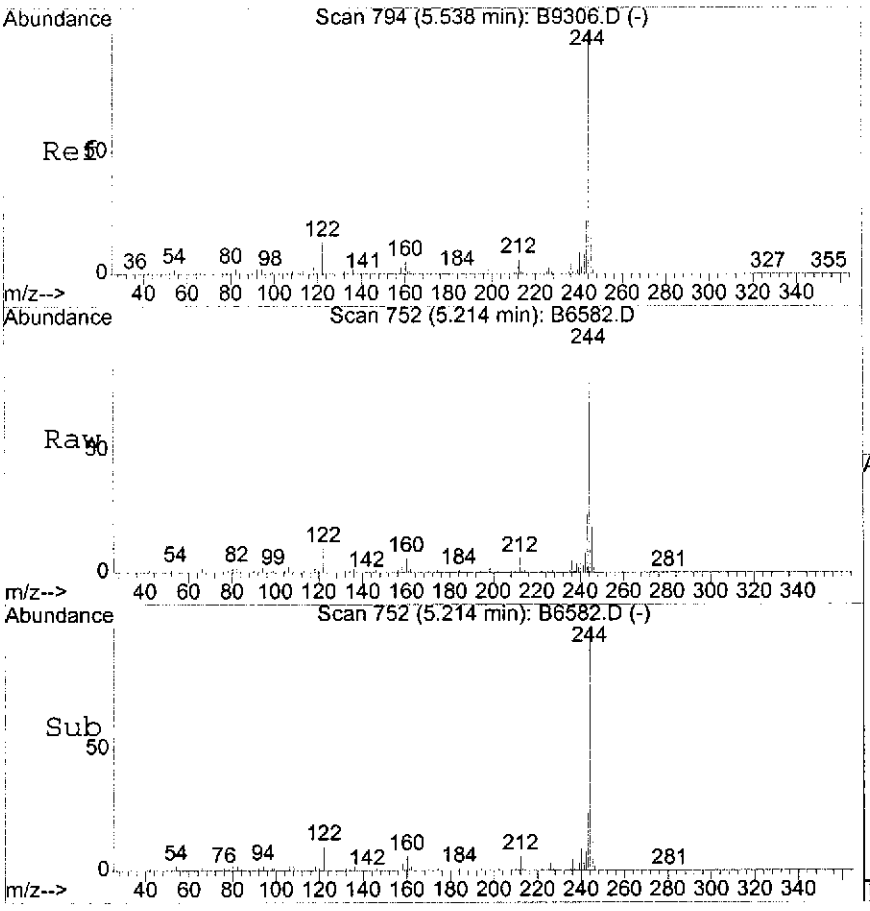


#83
Pyrene
Concen: 31.54 UG
RT: 5.15 min Scan# 741
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:202 Resp: 150082

Ion	Ratio	Lower	Upper
202	100		
101	13.9	14.0	21.0#
100	10.7	10.9	16.3#

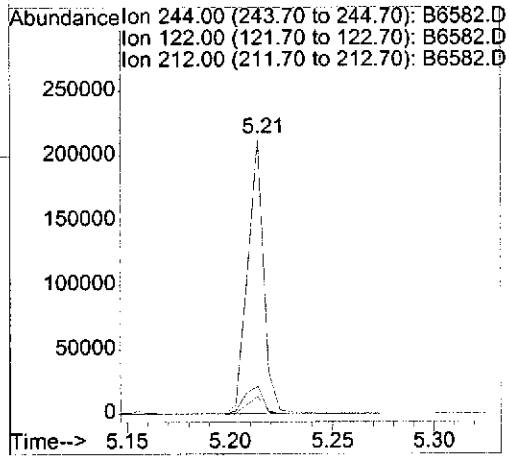


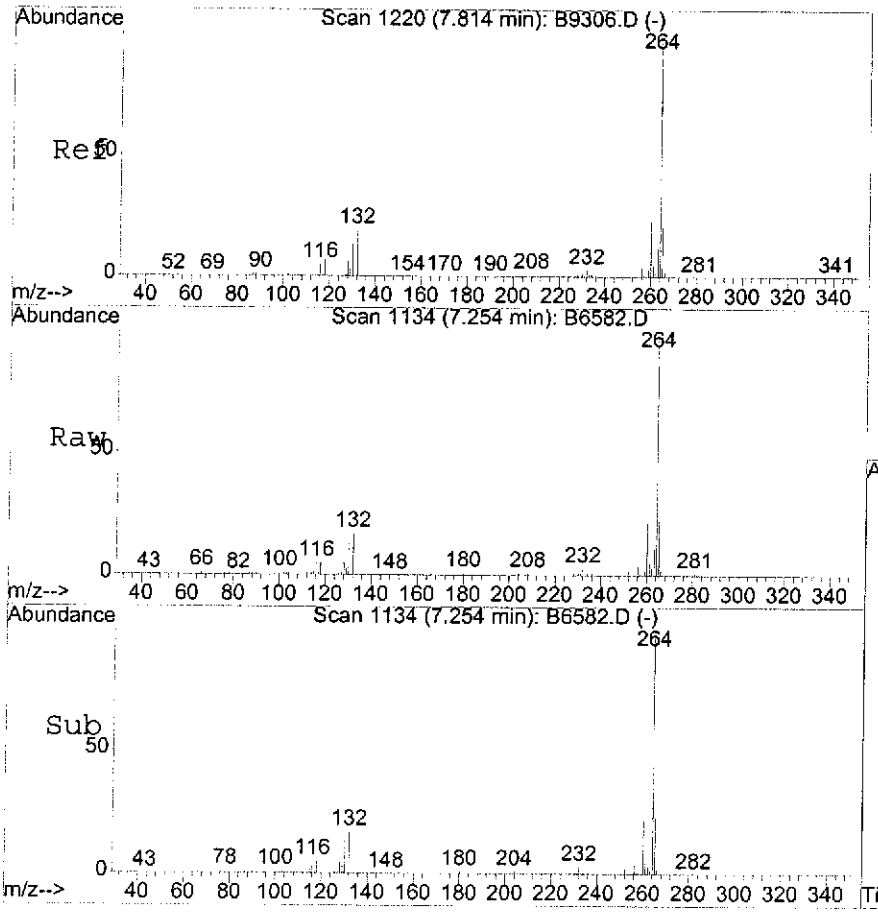


#84
Terphenyl-d14
Concen: 32.56 UG
RT: 5.21 min Scan# 752
Delta R.T. -0.02 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:244 Resp: 115962

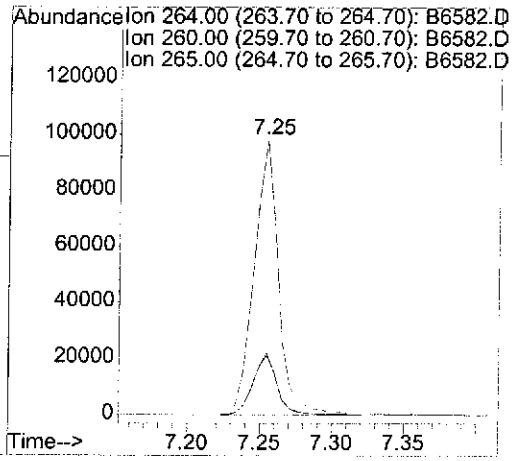
Ion	Ratio	Lower	Upper
244	100		
122	11.5	11.0	16.4
212	6.3	4.4	6.6





#92
Perylene-d12
Concen: 40.00 UG
RT: 7.25 min Scan# 1134
Delta R.T. -0.04 min
Lab File: B6582.D
Acq: 11 Apr 2008 14:48

Tgt Ion:264	Resp:	116245	
Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.8	26.8
265	21.8	17.3	25.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6583.D Vial: 17
Acq On : 11 Apr 2008 15:04 Operator: JC
Sample : .,MSD(BLK),A,1000ml,100,04/09/08 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 11 15:14:19 2008 Quant Results File: BW0708.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration
DataAcq Meth : BW0708

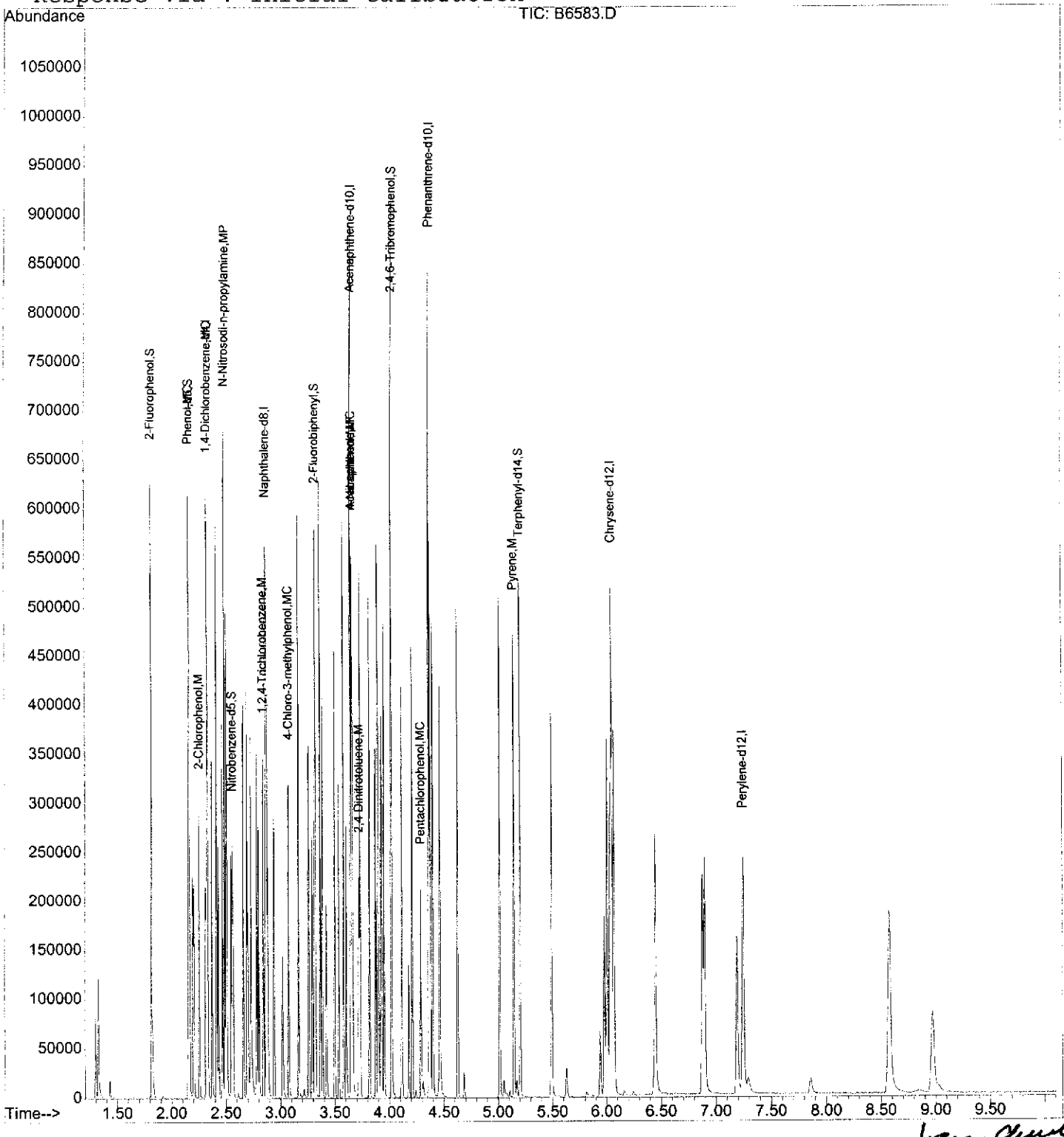
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	45064	40.00	UG	-0.01
23) Naphthalene-d8	2.87	136	171423	40.00	UG	-0.01
43) Acenaphthene-d10	3.65	164	100648	40.00	UG	-0.02
66) Phenanthrene-d10	4.36	188	179236	40.00	UG	-0.02
82) Chrysene-d12	6.05	240	146153	40.00	UG	-0.03
92) Perylene-d12	7.24	264	115151	40.00	UG	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	1.82	112	73915	51.43	UG	-0.02
Spiked Amount 100.000	Range 11 - 101		Recovery = 51.43%			
6) Phenol-d5	2.16	99	119388	64.42	UG	-0.02
Spiked Amount 100.000	Range 10 - 101		Recovery = 64.42%			
24) Nitrobenzene-d5	2.56	82	39655	22.01	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 44.02%			
47) 2-Fluorobiphenyl	3.32	172	82970	23.98	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 47.96%			
70) 2,4,6-Tribromophenol	4.02	330	76736	97.44	UG	-0.02
Spiked Amount 100.000	Range 28 - 113		Recovery = 97.44%			
84) Terphenyl-d14	5.20	244	97978	27.81	UG	-0.03
Spiked Amount 50.000	Range 39 - 121		Recovery = 55.62%			
Target Compounds						Qvalue
7) Phenol	2.16	94	37930	17.01	UG	# 77
10) 2-Chlorophenol	2.25	128	34879	21.89	UG	93
12) 1,4-Dichlorobenzene	2.33	146	38203	20.71	UG	95
18) N-Nitrosodi-n-propylamine	2.49	70	27680	19.23	UG	# 85
33) 1,2,4-Trichlorobenzene	2.84	180	31437	23.35	UG	100
40) 4-Chloro-3-methylphenol	3.08	107	31520	22.06	UG	99
55) Acenaphthene	3.66	153	73361	23.89	UG	99
57) 4-Nitrophenol	3.66	65	16040	20.83	UG	# 100
58) 2,4-Dinitrotoluene	3.72	165	26187	29.49	UG	# 75
74) Pentachlorophenol	4.29	266	18642	29.85	UG	96
83) Pyrene	5.14	202	129071	27.43	UG	# 93

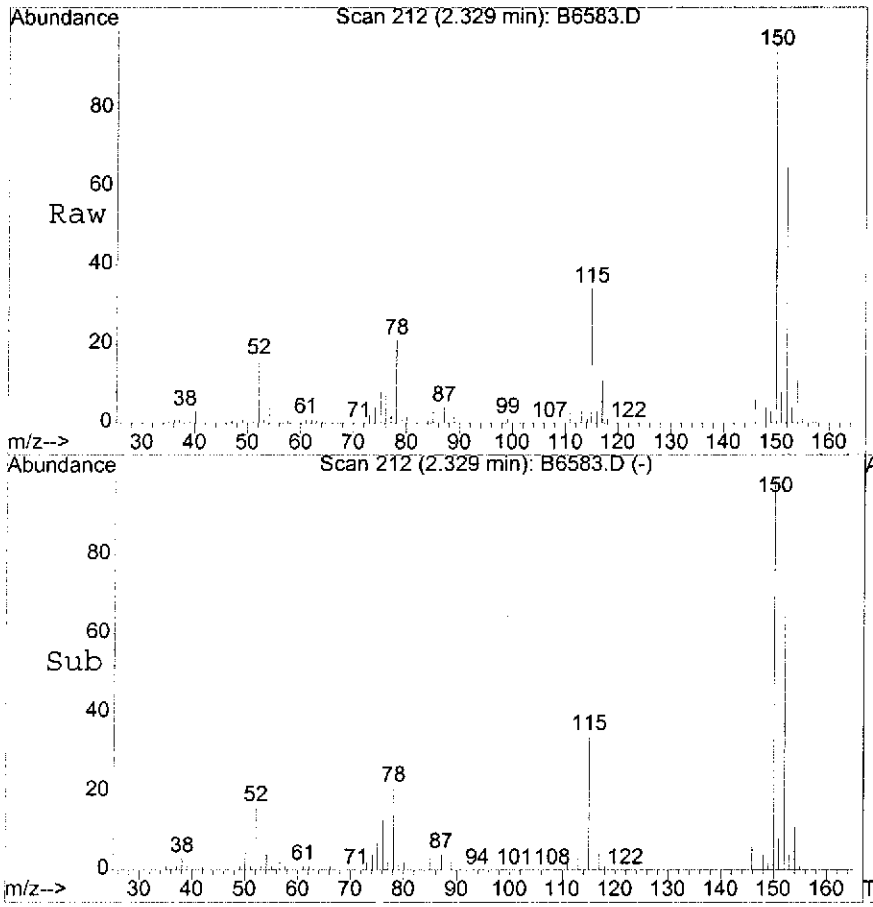
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-11-08\B6583.D Vial: 17
Acq On : 11 Apr 2008 15:04 Operator: JC
Sample : .,MSD(BLK),A,1000ml,100,04/09/08 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 7:41 2008 Quant Results File: BW0708.RES

Method : C:\MSDCHEM\1\METHODS\BW0708.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Mar 26 11:32:18 2008
Response via : Initial Calibration

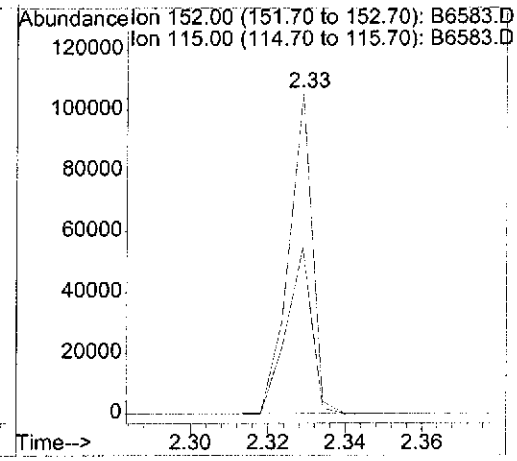


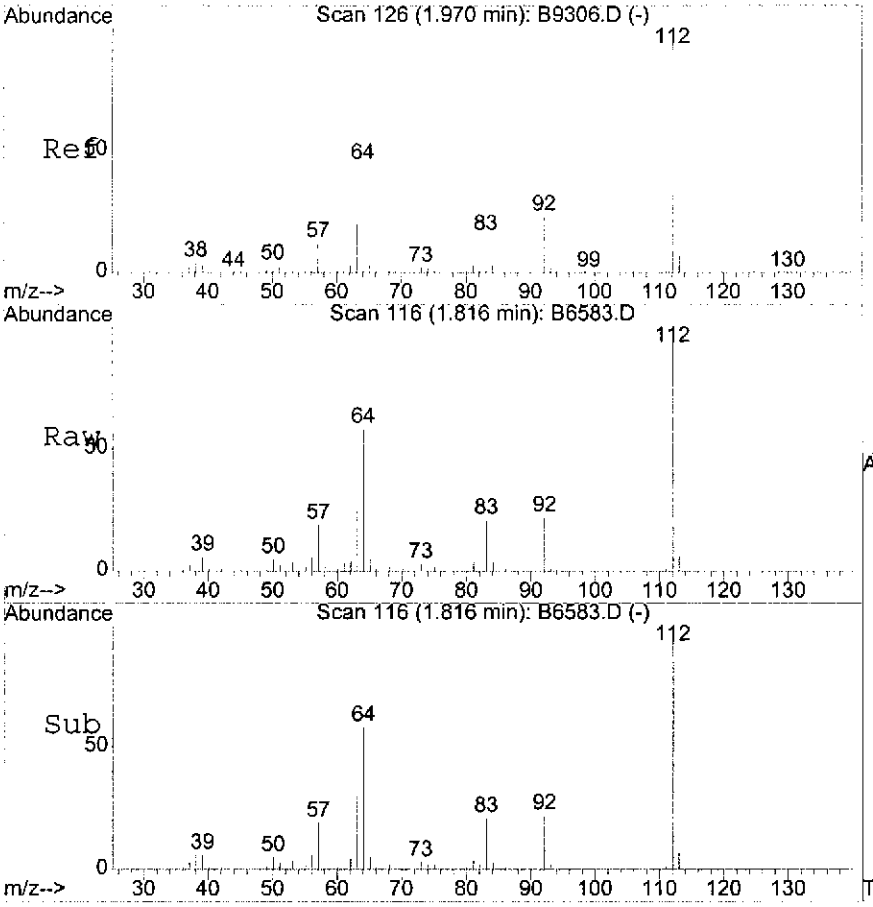


#1
1,4-Dichlorobenzene-d4
Concen: 40.00 UG
RT: 2.33 min Scan# 212
Delta R.T. -0.01 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:152 Resp: 45064

Ion	Ratio	Lower	Upper
152	100		
115	56.0	42.7	64.1

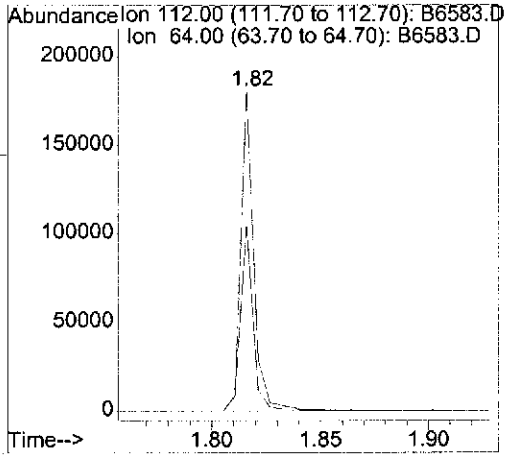


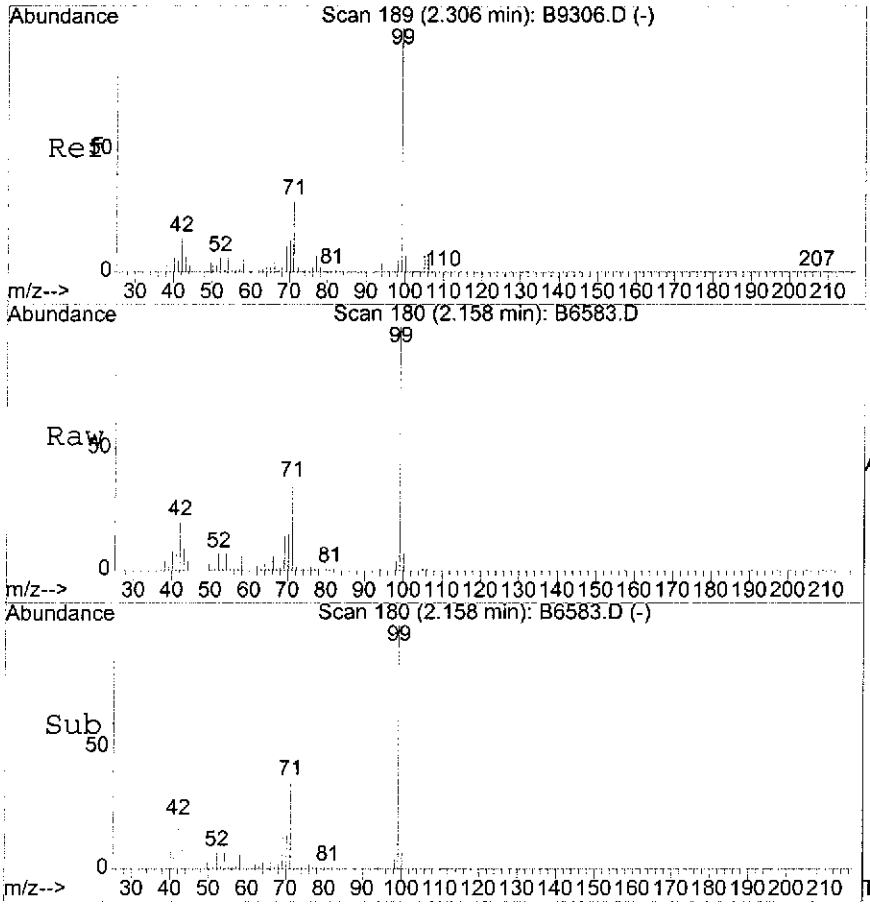


#4
2-Fluorophenol
Concen: 51.43 UG
RT: 1.82 min Scan# 116
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:112 Resp: 73915

Ion	Ratio	Lower	Upper
112	100		
64	56.7	37.2	55.8#

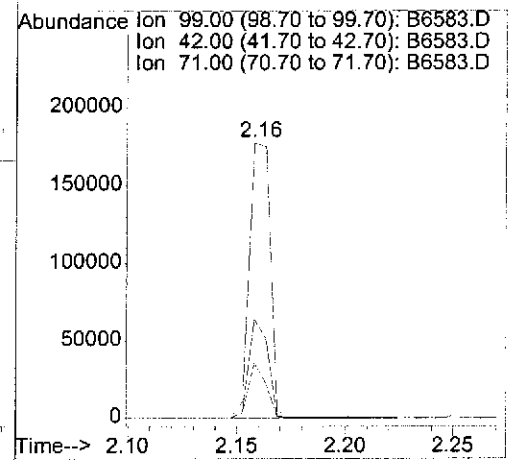


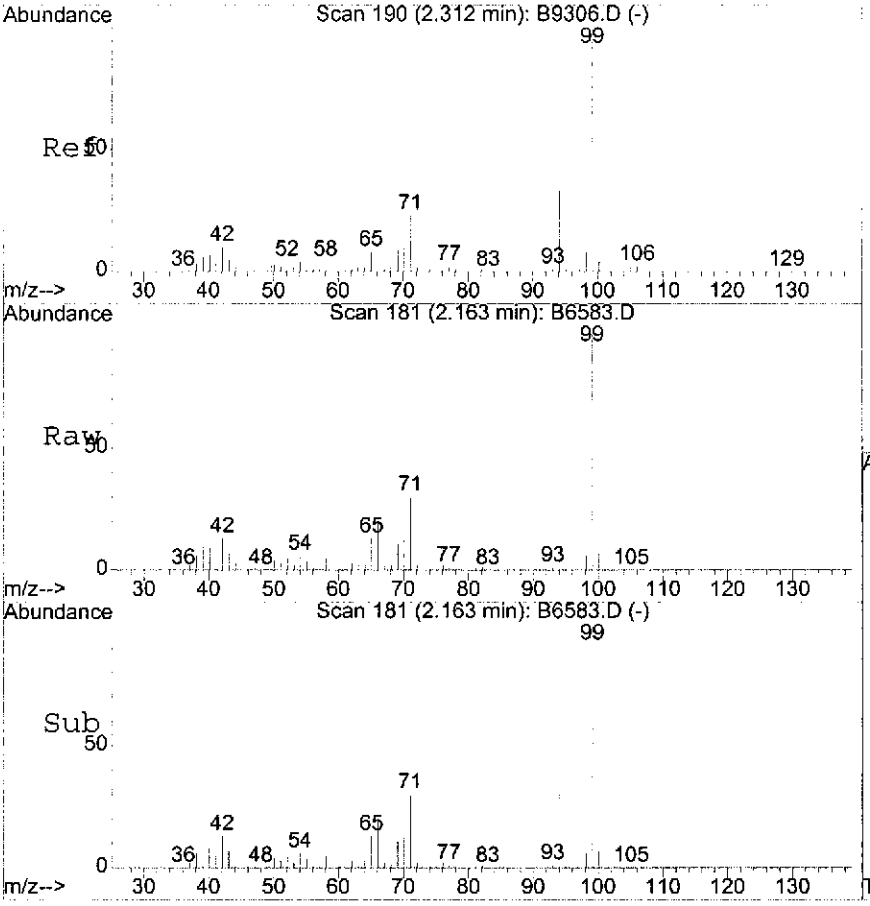


#6
Phenol-d5
Concen: 64.42 UG
RT: 2.16 min Scan# 180
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion: 99 Resp: 119388

Ion	Ratio	Lower	Upper
99	100		
42	17.0	8.9	13.3#
71	33.0	20.0	30.0#

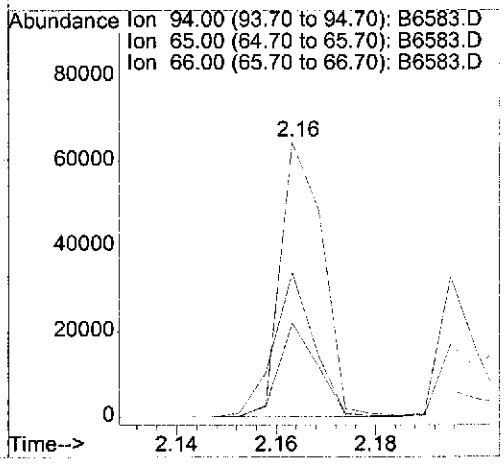


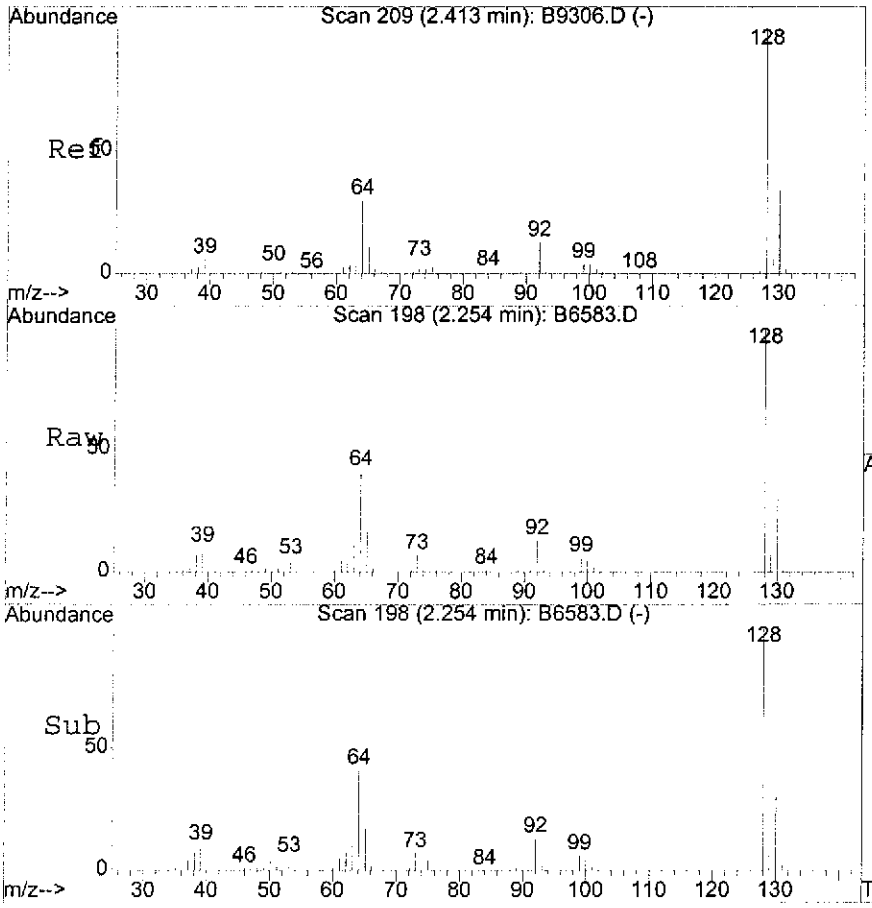


#7
Phenol
Concen: 17.01 UG
RT: 2.16 min Scan# 181
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion: 94 Resp: 37930

Ion	Ratio	Lower	Upper
94	100		
65	31.3	18.7	28.1#
66	50.8	28.2	42.2#

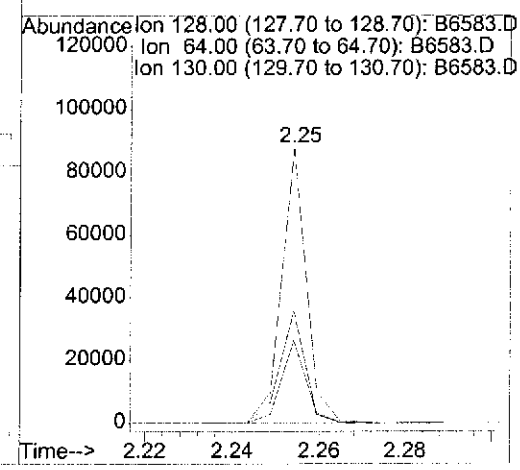


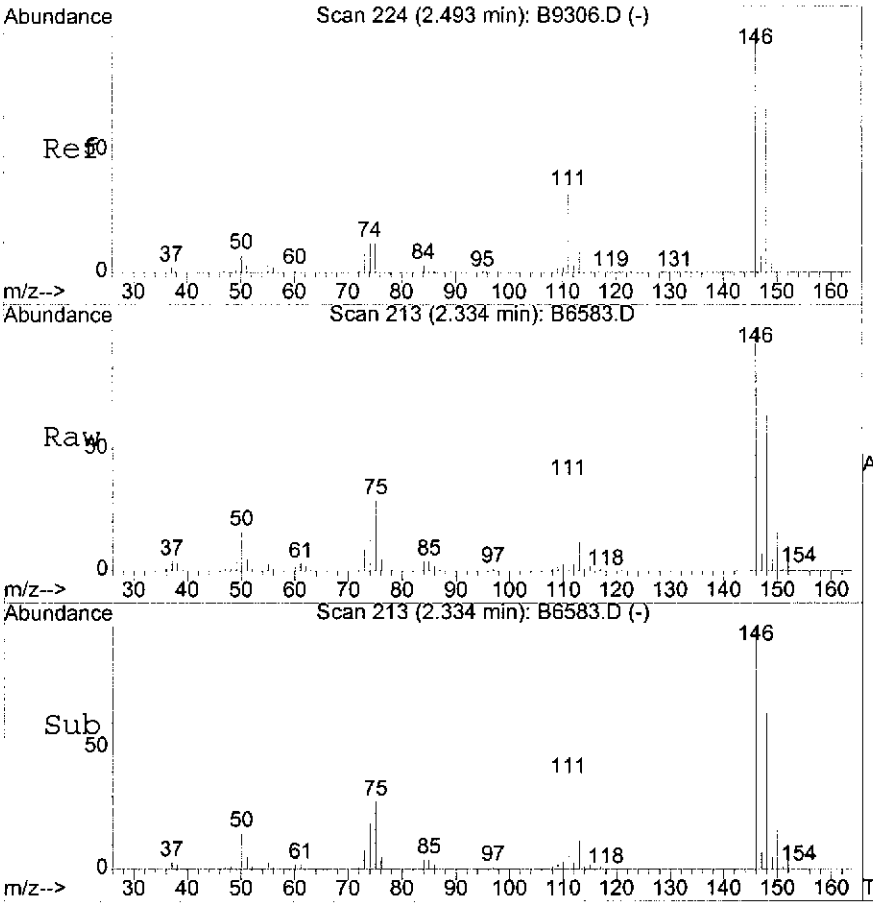


#10
2-Chlorophenol
Concen: 21.89 UG
RT: 2.25 min Scan# 198
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:128 Resp: 34879

Ion	Ratio	Lower	Upper
128	100		
64	42.1	29.4	44.0
130	30.0	26.2	39.2

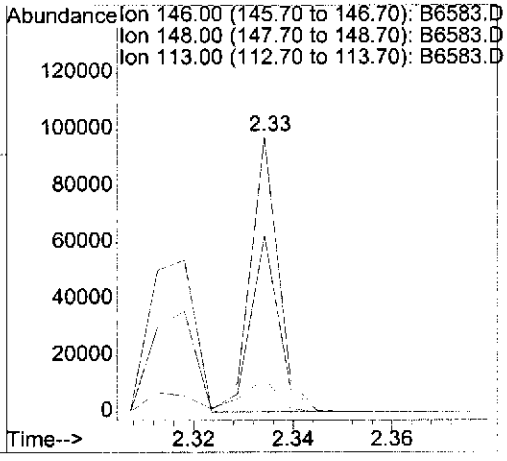


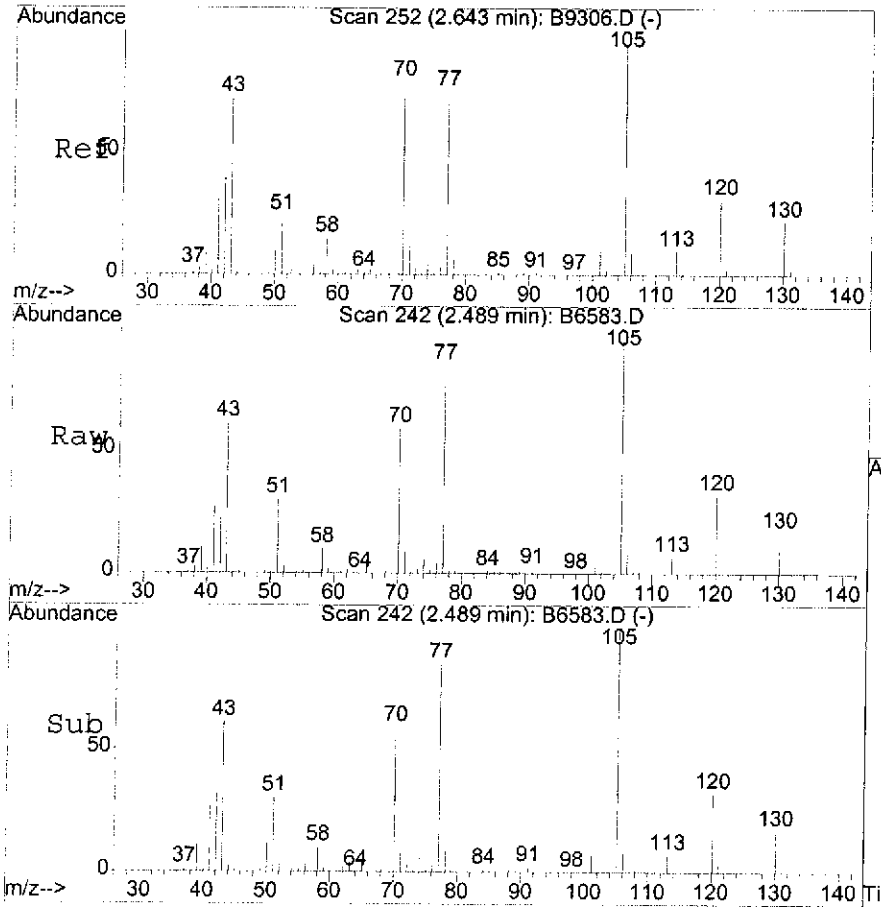


#12
1,4-Dichlorobenzene
Concen: 20.71 UG
RT: 2.33 min Scan# 213
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:146 Resp: 38203

Ion	Ratio	Lower	Upper
146	100		
148	65.0	56.0	84.0
113	14.8	11.1	16.7

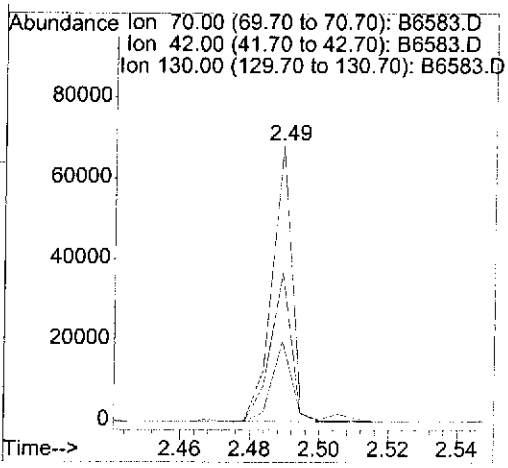


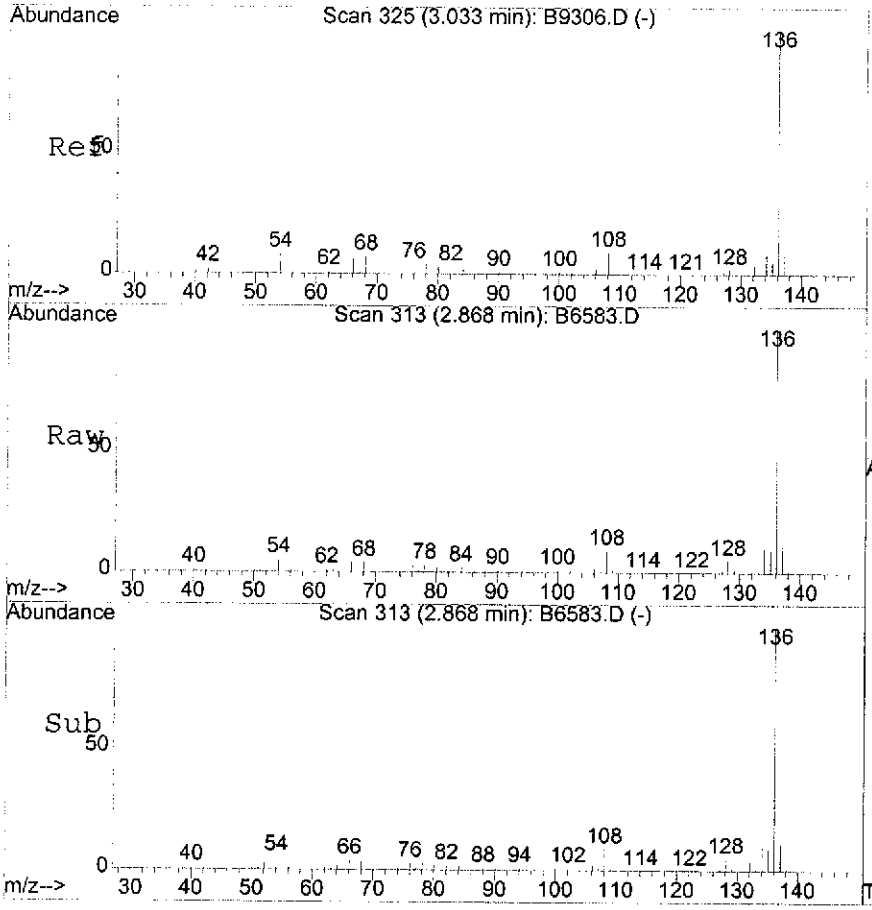


#18
N-Nitrosodi-n-propylamine
Concen: 19.23 UG
RT: 2.49 min Scan# 242
Delta R.T. -0.01 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion: 70 Resp: 27680

Ion	Ratio	Lower	Upper
70	100		
42	59.5	38.0	57.0#
130	28.0	27.8	41.8

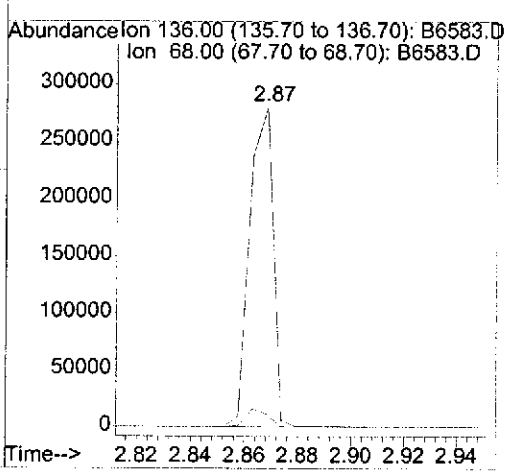


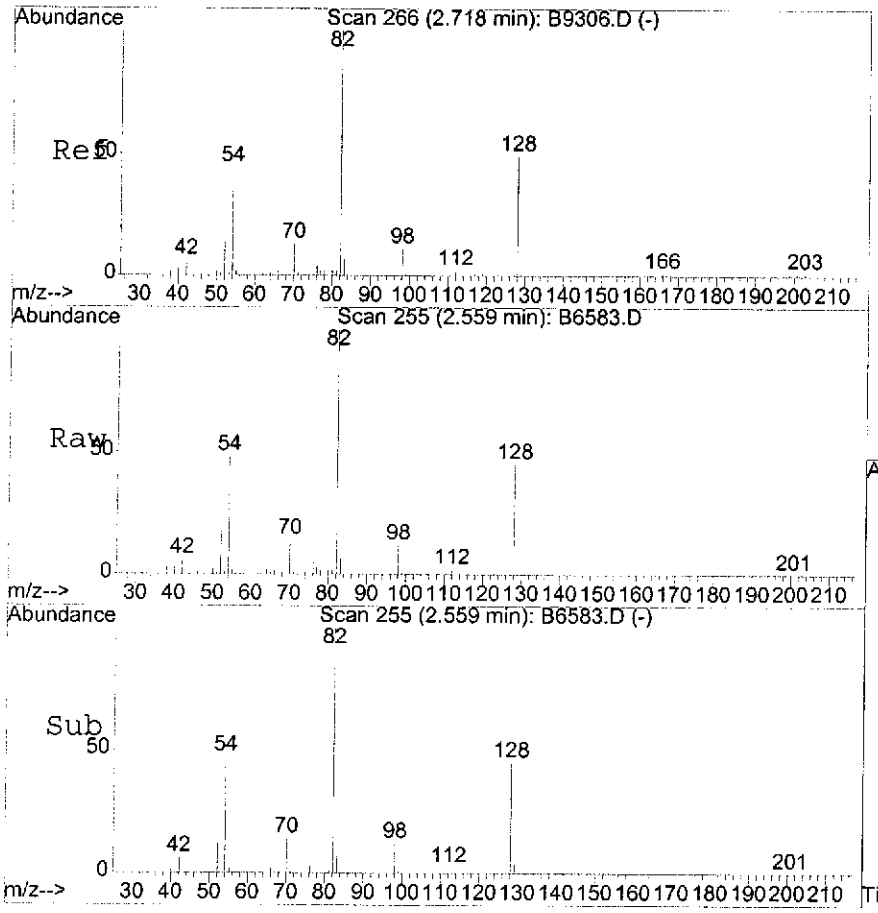


#23
Naphthalene-d8
Concen: 40.00 UG
RT: 2.87 min Scan# 313
Delta R.T. -0.01 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:136 Resp: 171423

Ion	Ratio	Lower	Upper
136	100		
68	5.2	5.1	7.7

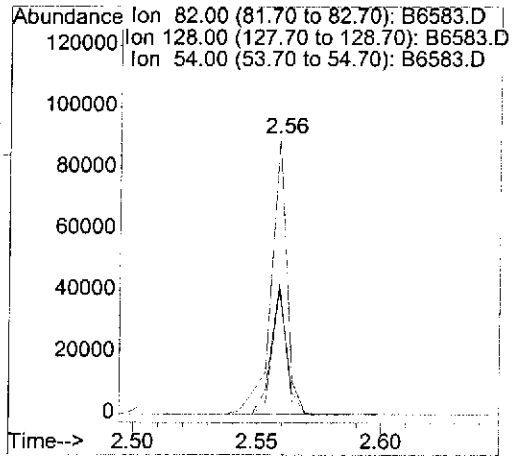


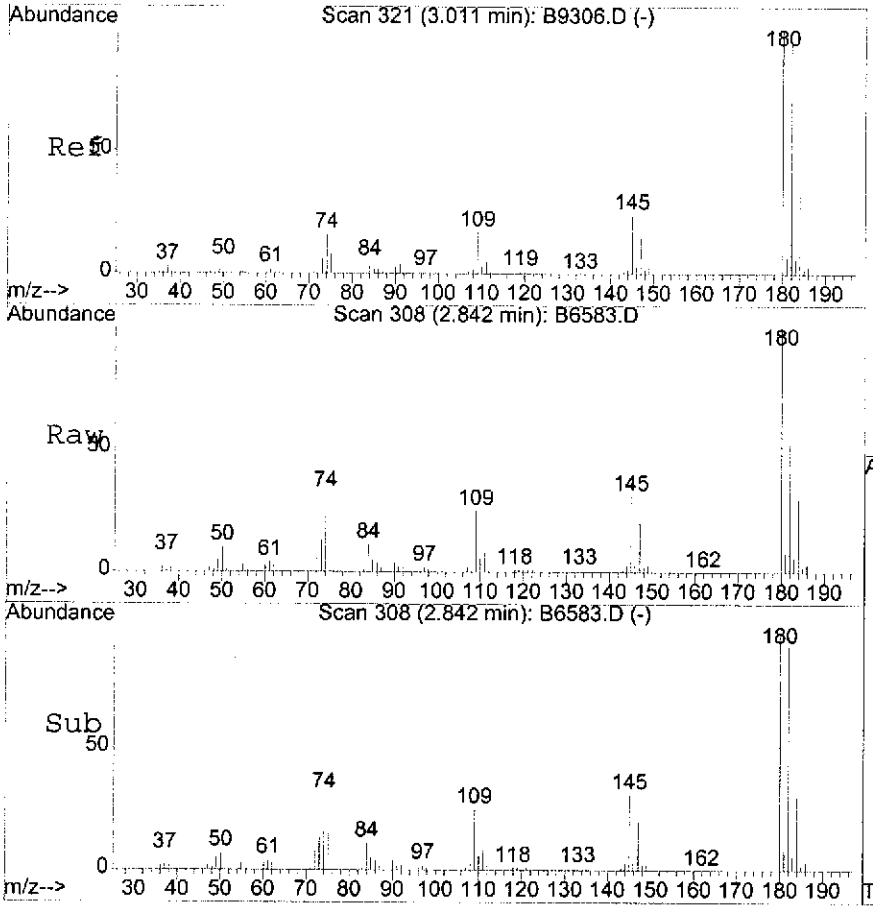


#24
Nitrobenzene-d5
Concen: 22.01 UG
RT: 2.56 min Scan# 255
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion: 82 Resp: 39655

Ion	Ratio	Lower	Upper
82	100		
128	41.9	41.8	62.8
54	44.6	29.6	44.4#

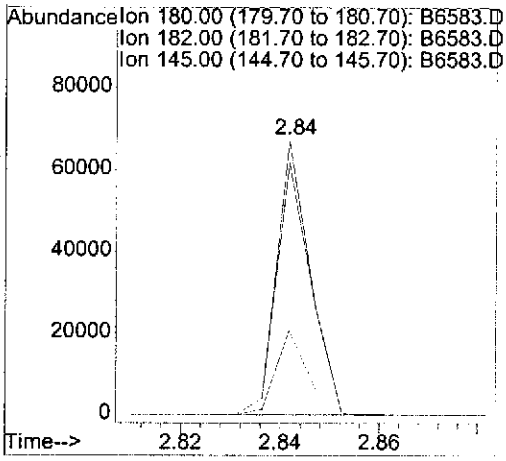


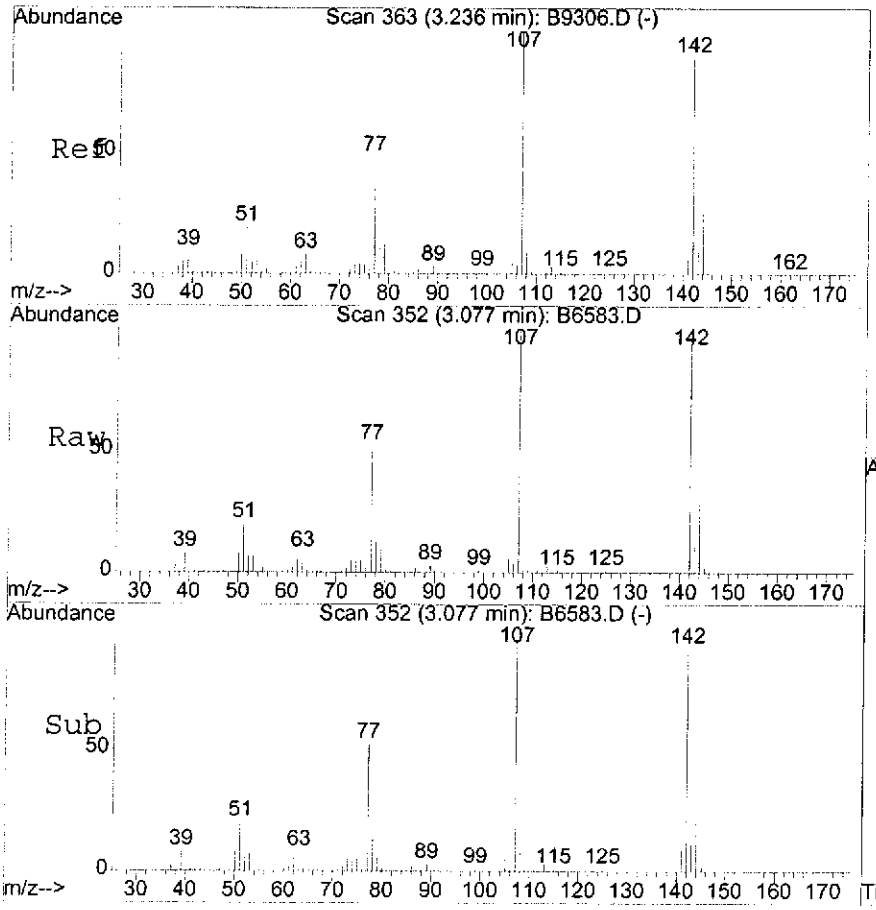


#33
1,2,4-Trichlorobenzene
Concen: 23.35 UG
RT: 2.84 min Scan# 308
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:180 Resp: 31437

Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	28.9	22.4	33.6

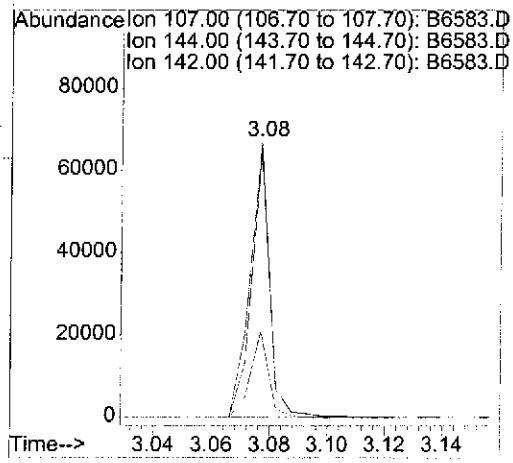


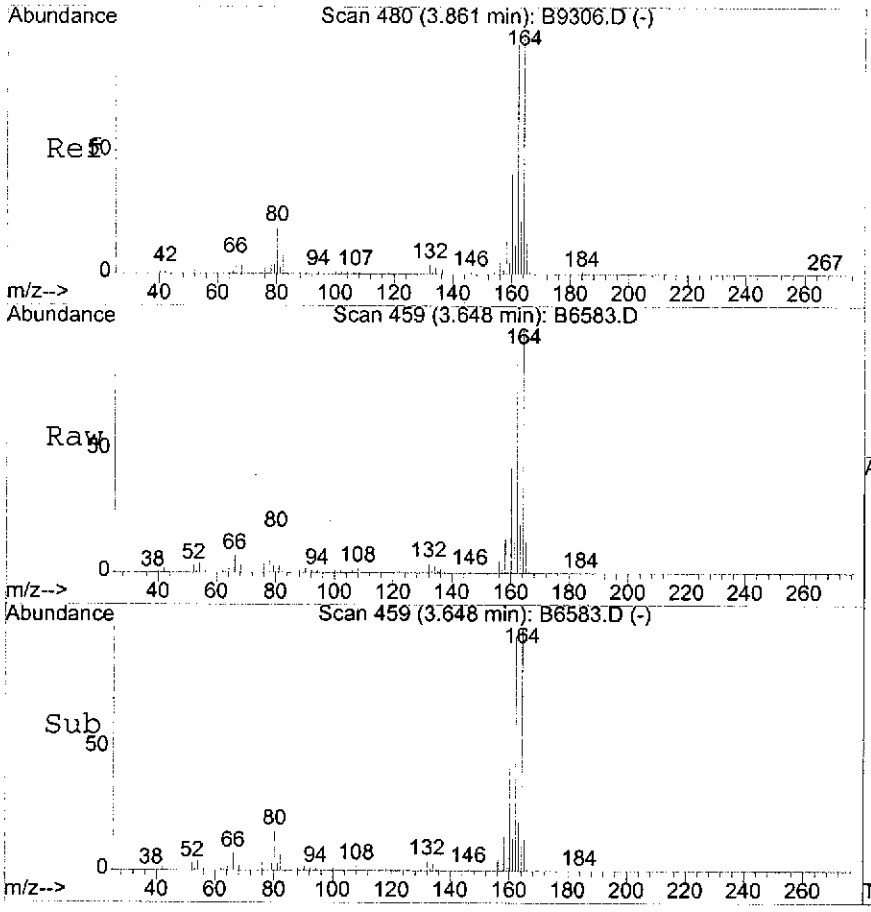


#40
4-Chloro-3-methylphenol
Concen: 22.06 UG
RT: 3.08 min Scan# 352
Delta R.T. -0.01 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:107 Resp: 31520

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.2	34.8
142	90.5	71.4	107.2

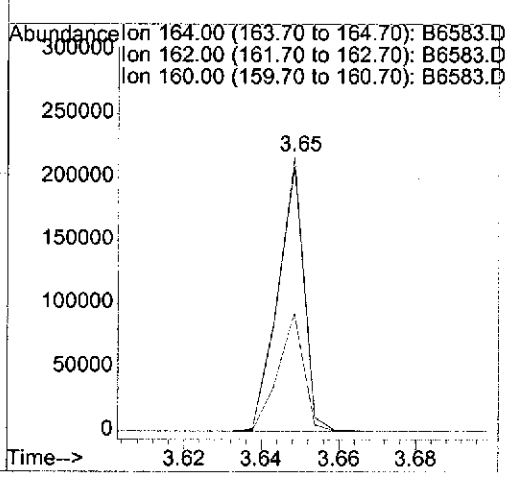


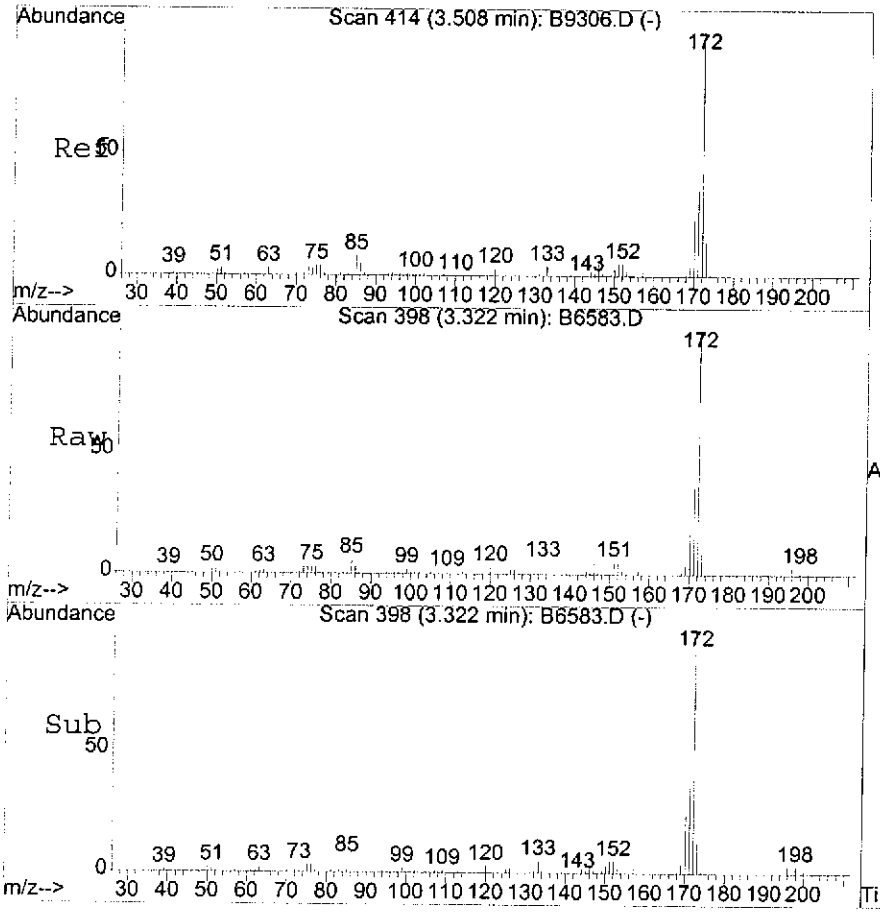


#43
Acenaphthene-d10
Concen: 40.00 UG
RT: 3.65 min Scan# 459
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:164 Resp: 100648

Ion	Ratio	Lower	Upper
164	100		
162	96.6	74.3	111.5
160	42.5	32.8	49.2

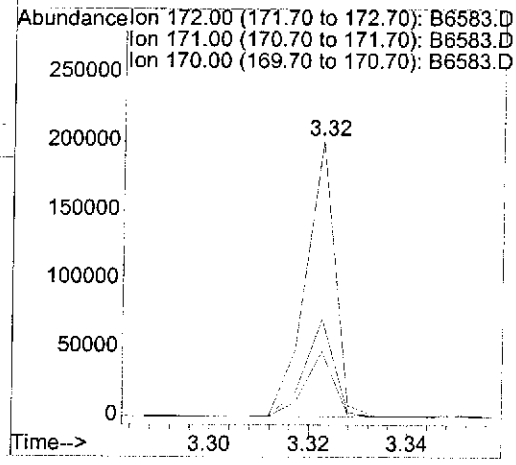


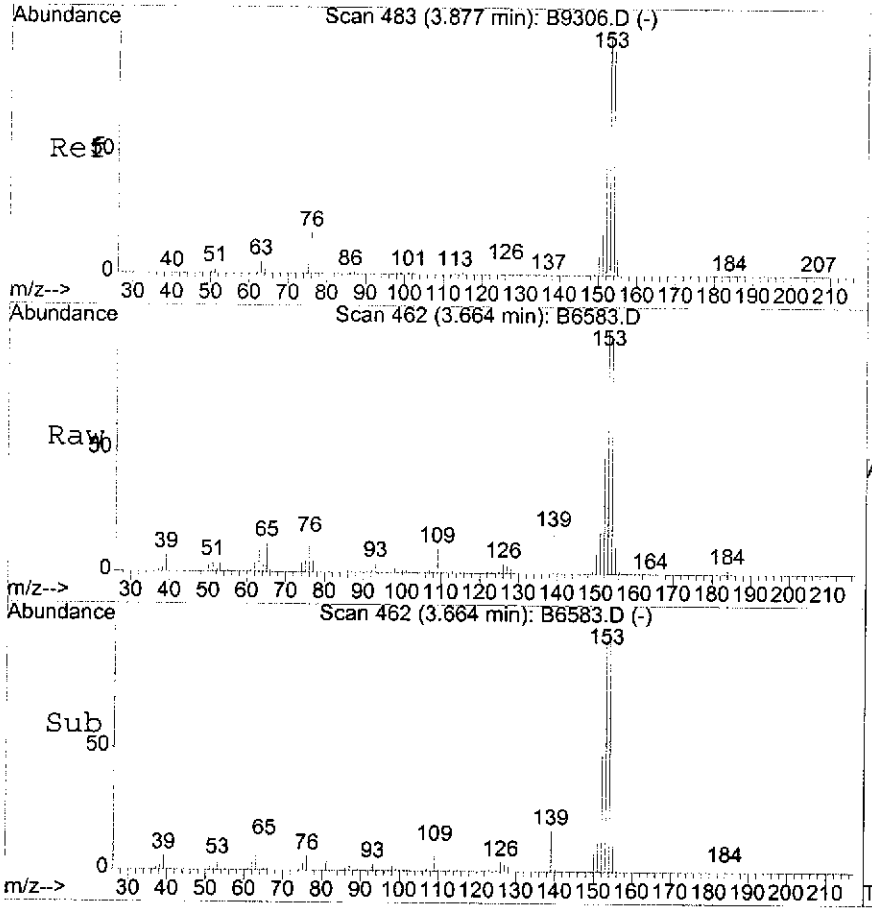


#47
2-Fluorobiphenyl
Concen: 23.98 UG
RT: 3.32 min Scan# 398
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:172 Resp: 82970

Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.7	41.5
170	23.3	18.2	27.2

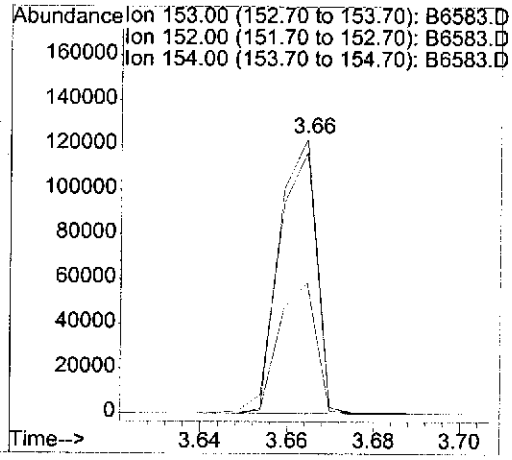


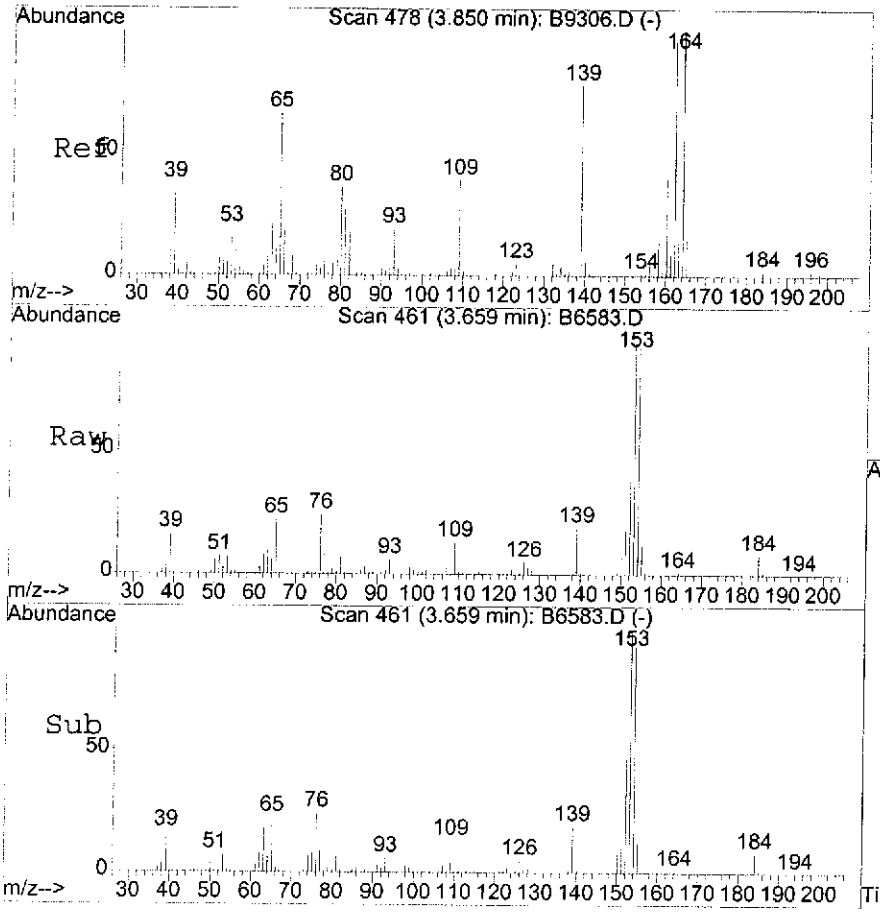


#55
Acenaphthene
Concen: 23.89 UG
RT: 3.66 min Scan# 462
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:153 Resp: 73361

Ion	Ratio	Lower	Upper
153	100		
152	47.4	37.4	56.2
154	98.0	79.0	118.6

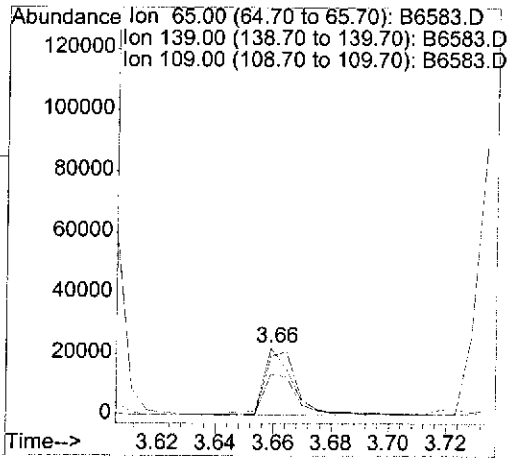


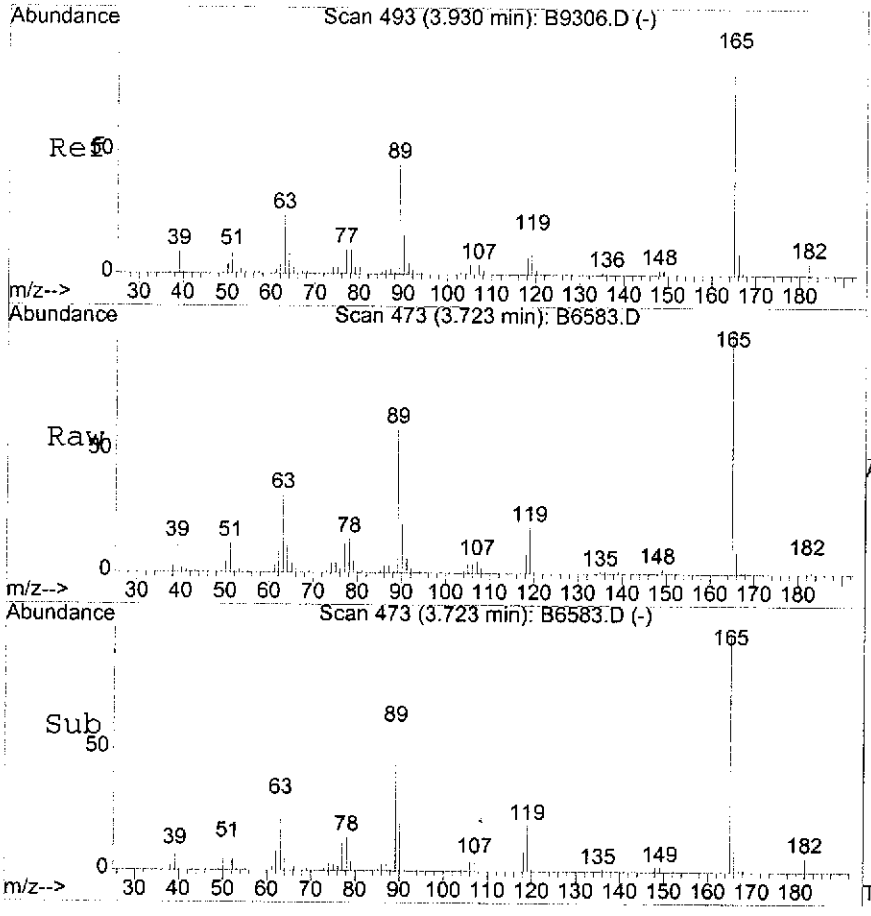


#57
4-Nitrophenol
Concen: 20.83 UG
RT: 3.66 min Scan# 461
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion: 65 Resp: 16040

Ion	Ratio	Lower	Upper
65	100		
139	104.4	0.0	0.0#
109	70.0	0.0	0.0#

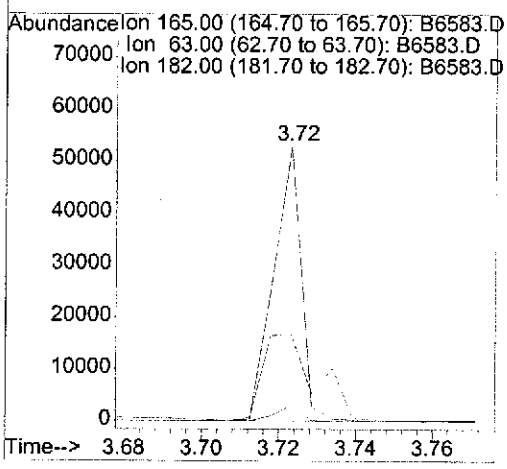


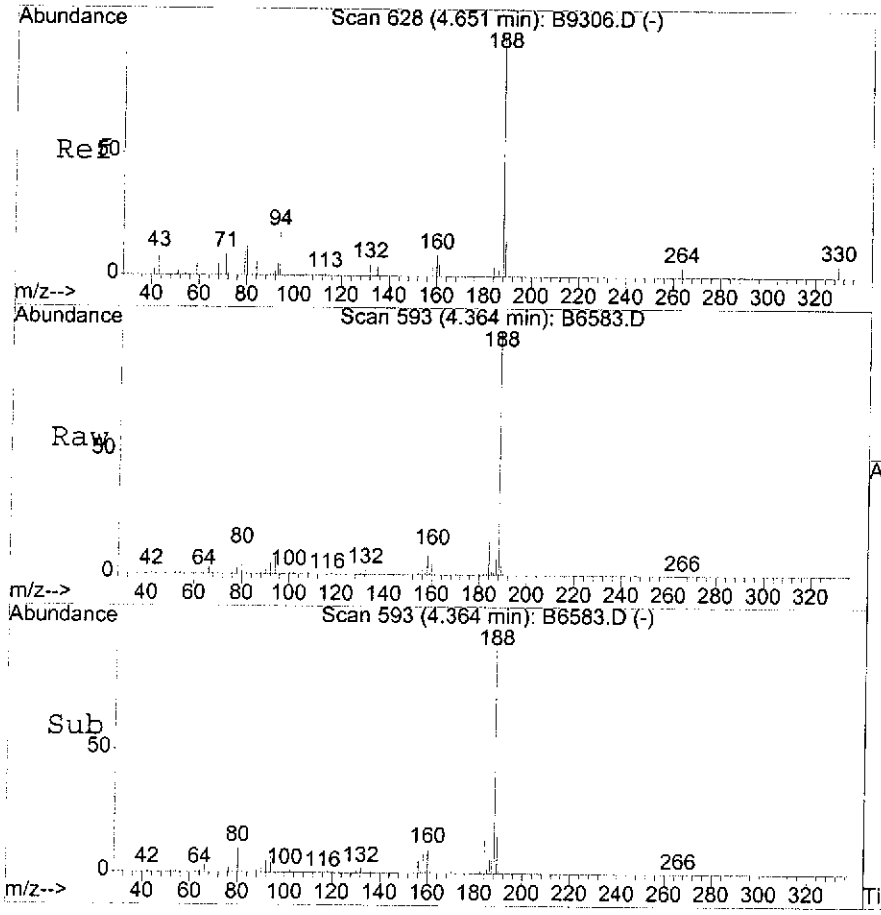


#58
2,4-Dinitrotoluene
Concen: 29.49 UG
RT: 3.72 min Scan# 473
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:165 Resp: 26187

Ion	Ratio	Lower	Upper
165	100		
63	61.9	35.0	52.6#
182	4.9	4.1	6.1

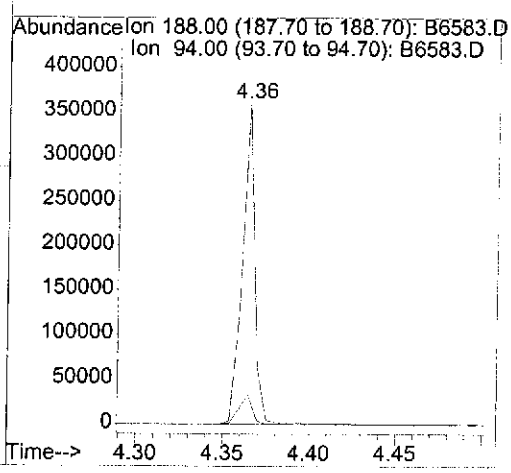


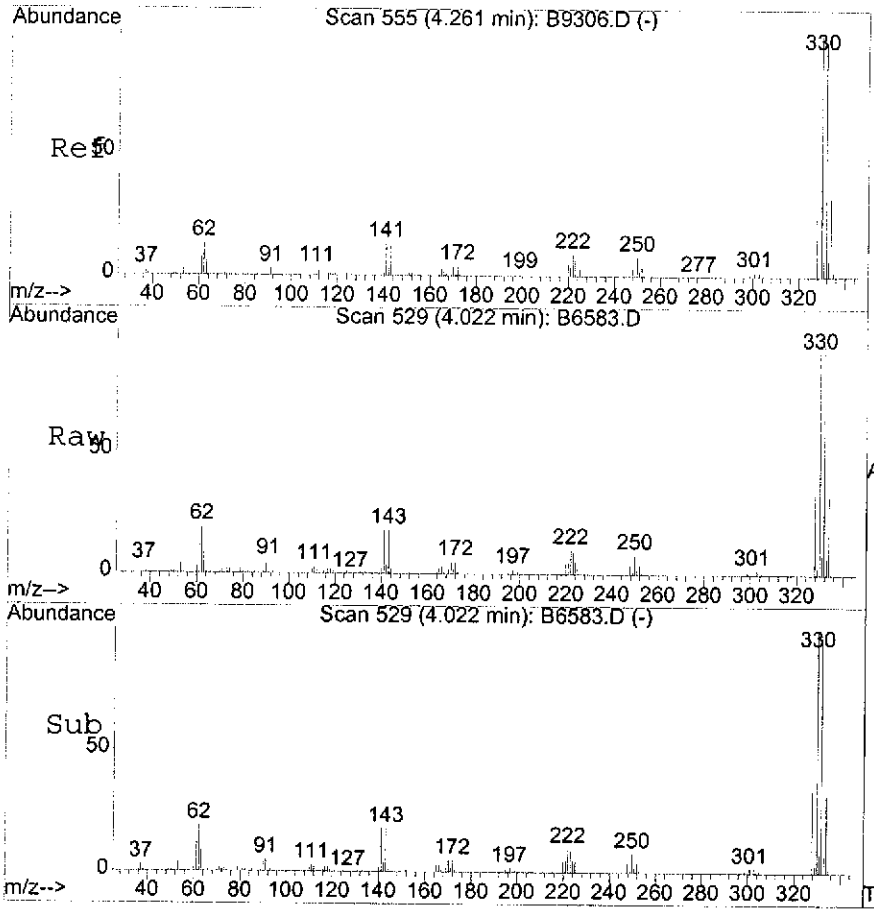


#66
Phenanthrene-d10
Concen: 40.00 UG
RT: 4.36 min Scan# 593
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:188 Resp: 179236

Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.0

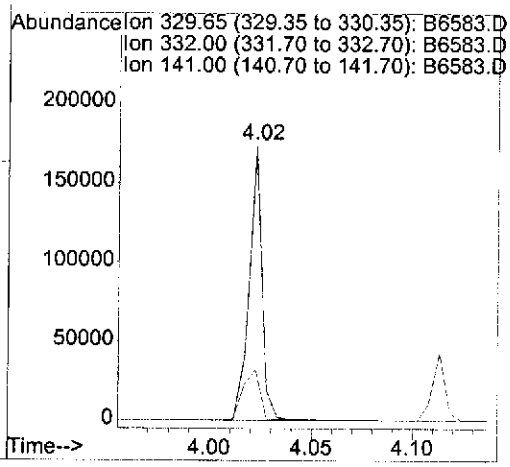


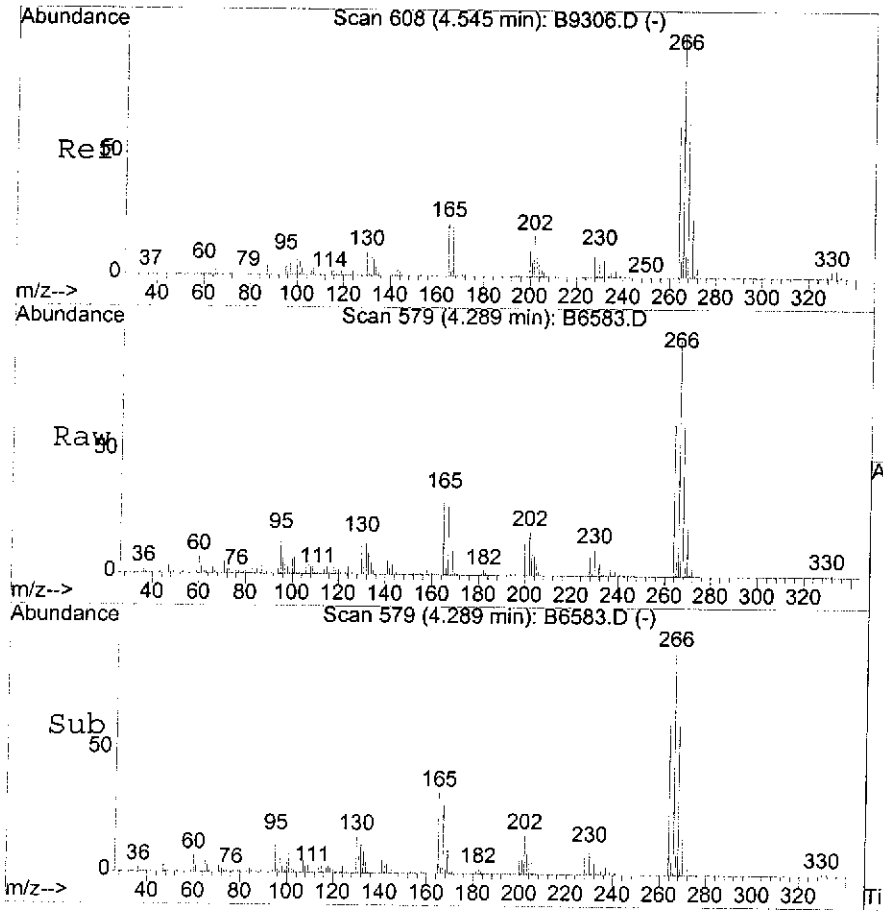


#70
2,4,6-Tribromophenol
Concen: 97.44 UG
RT: 4.02 min Scan# 529
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:330 Resp: 76736

Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.4	119.2
141	24.2	21.8	32.8

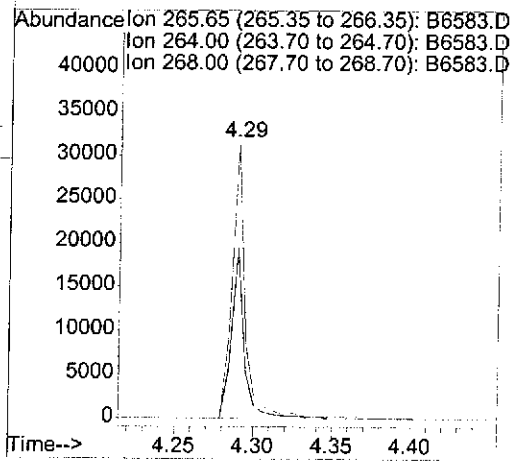


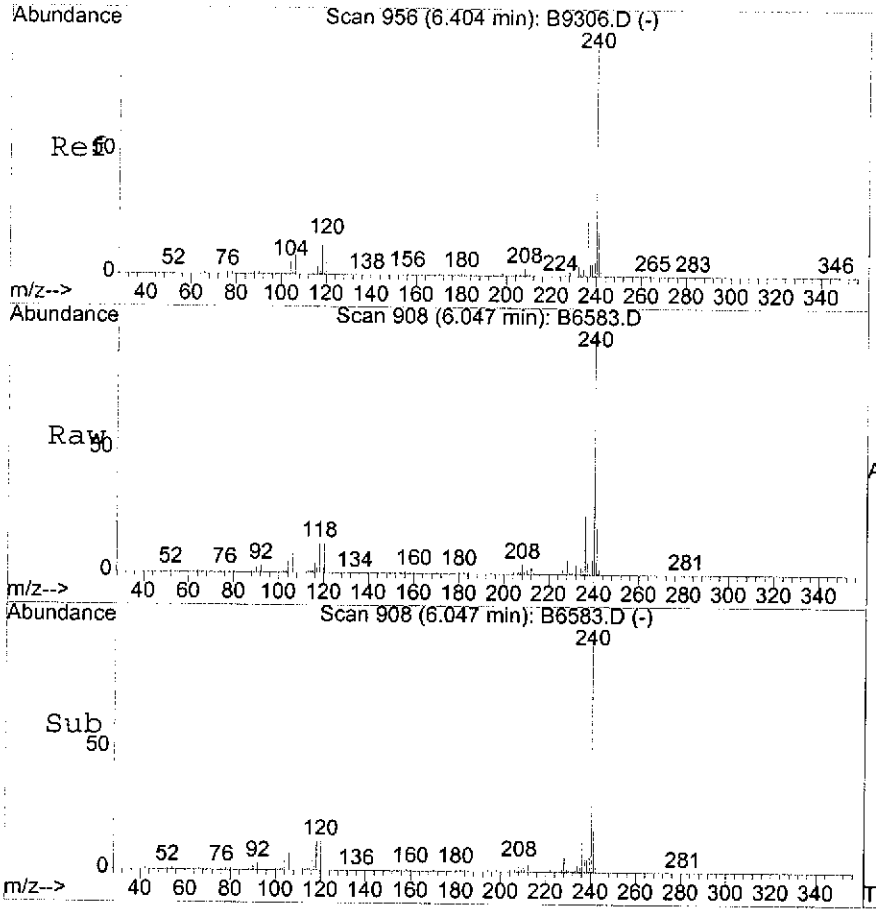


#74
Pentachlorophenol
Concen: 29.85 UG
RT: 4.29 min Scan# 579
Delta R.T. -0.02 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:266 Resp: 18642

Ion	Ratio	Lower	Upper
266	100		
264	60.4	49.5	74.3
268	58.7	50.2	75.4

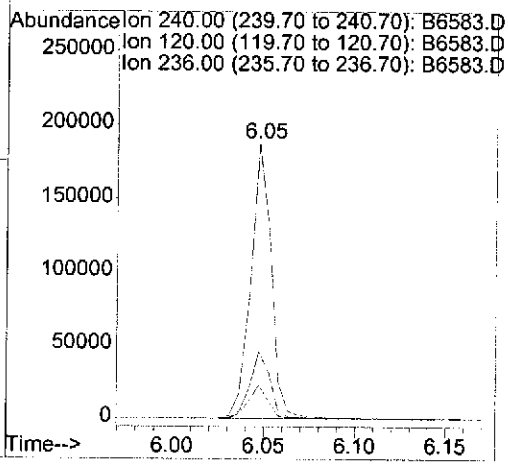


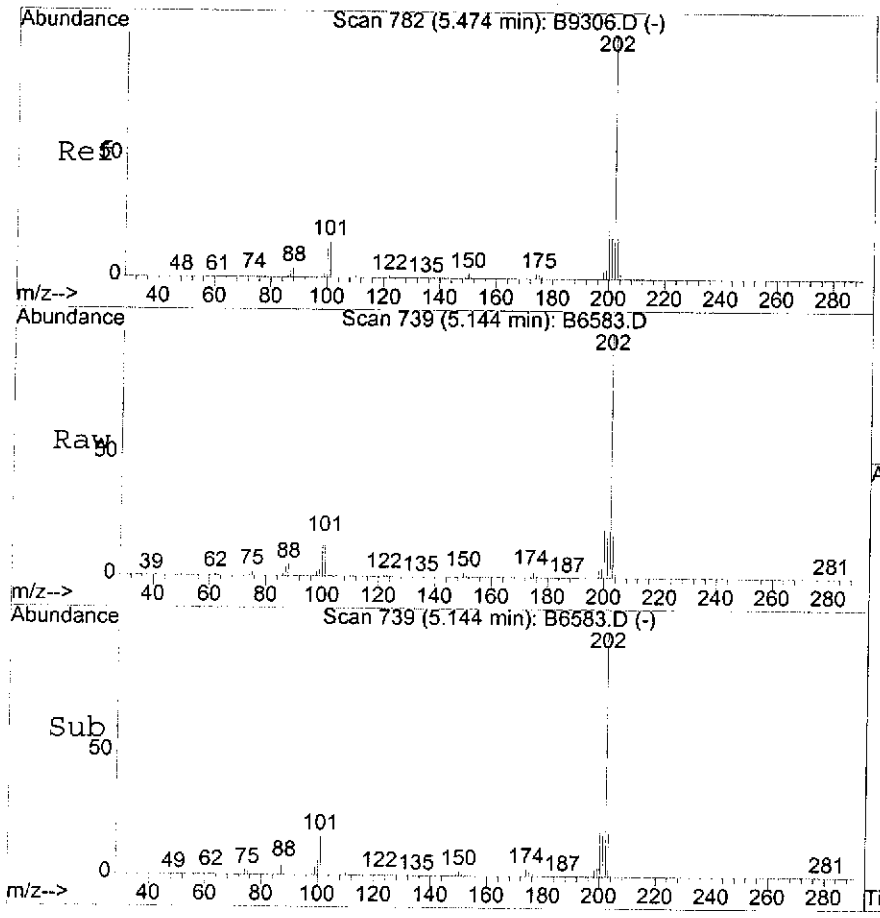


#82
Chrysene-d12
Concen: 40.00 UG
RT: 6.05 min Scan# 908
Delta R.T. -0.03 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:240 Resp: 146153

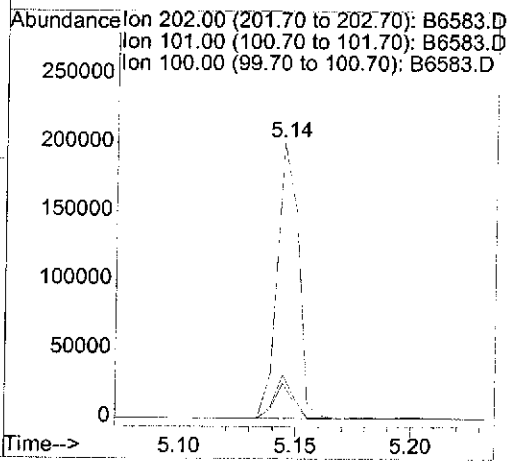
Ion	Ratio	Lower	Upper
240	100		
120	11.5	11.7	17.5#
236	24.3	19.2	28.8

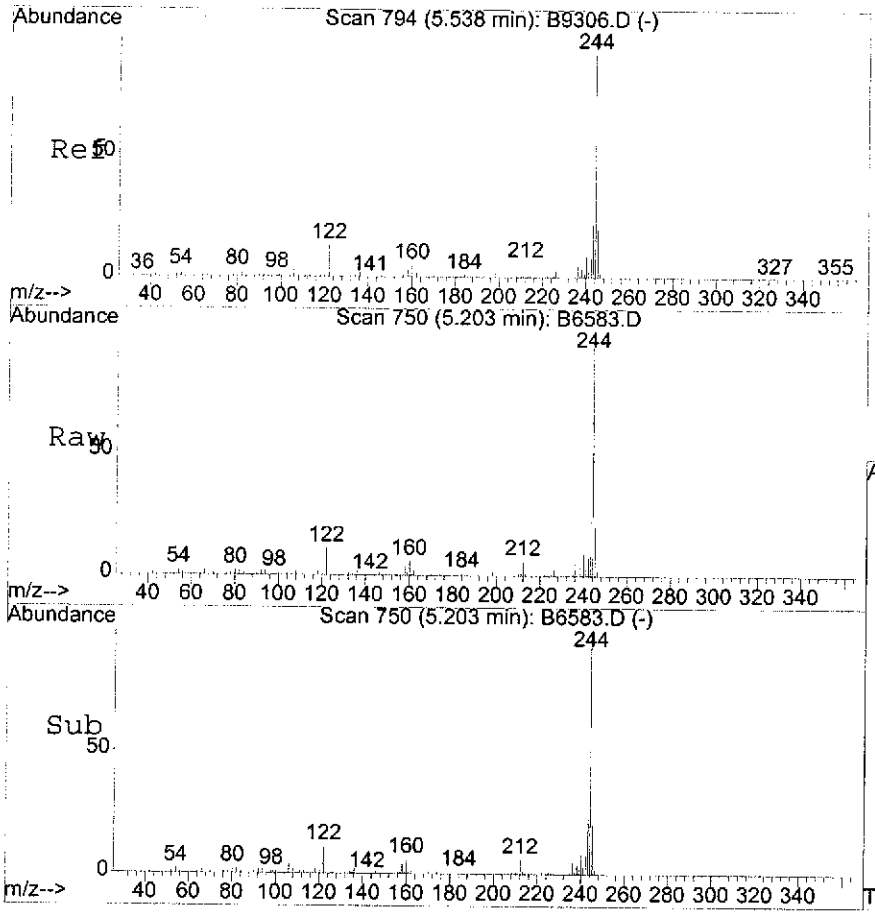




#83
Pyrene
Concen: 27.43 UG
RT: 5.14 min Scan# 739
Delta R.T. -0.03 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

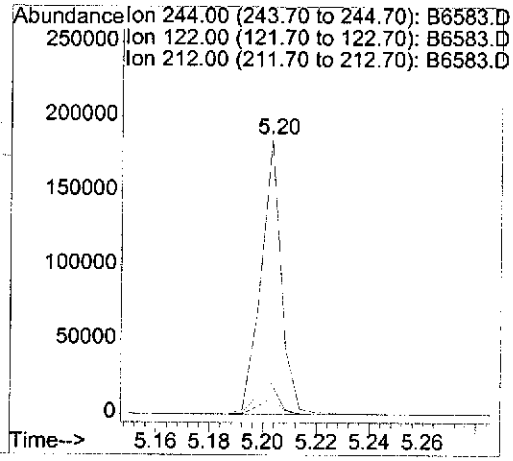
Tgt Ion:202	Resp:	129071	
Ion	Ratio	Lower	Upper
202	100		
101	13.9	14.0	21.0#
100	11.2	10.9	16.3

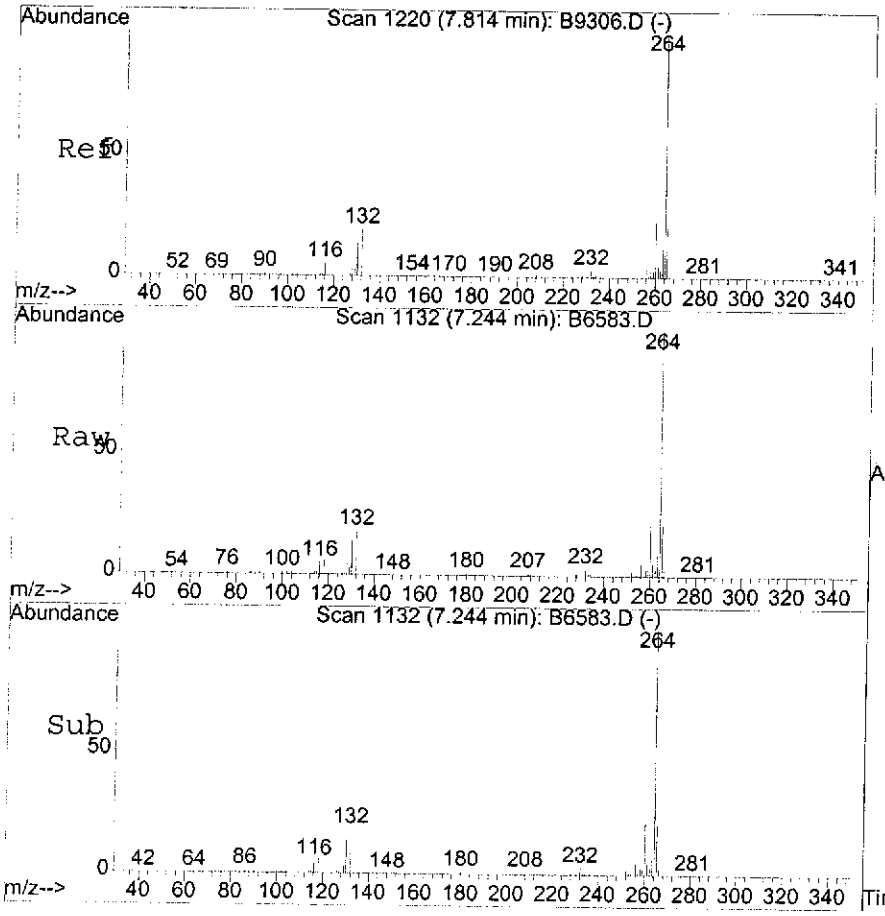




#84
Terphenyl-d14
Concen: 27.81 UG
RT: 5.20 min Scan# 750
Delta R.T. -0.03 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:244	Resp:	97978	
Ion	Ratio	Lower	Upper
244	100		
122	12.3	11.0	16.4
212	6.2	4.4	6.6

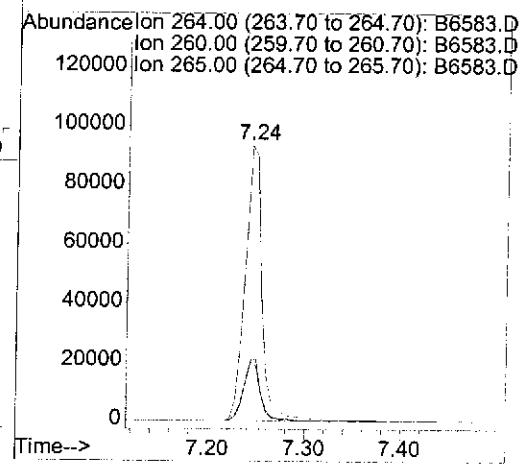




#92
Perylene-d12
Concen: 40.00 UG
RT: 7.24 min Scan# 1132
Delta R.T. -0.05 min
Lab File: B6583.D
Acq: 11 Apr 2008 15:04

Tgt Ion:264 Resp: 115151

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.8	26.8
265	21.3	17.3	25.9



INTEGRATED ANALYTICAL LABORATORIES, LLC

EXTRACTION LOG - SEMIVOLATILES
(BN/AE/BNA)

Extraction Date/Time: 4/9/2008 8:55:00
Technician: Kou-Liang Chiu

Batch ID: 040908-02
Matrix: Aqueous

Sample ID #	Vap Cell #	Funnel	Test	% Moist	Initial (g/ml)	Final (ml)	Surrogate ABN #/µl	Surrogate ABN #/µl	Spike ABN #/µl	Comments
BLANK	BLK		BNA	-	1000	1.00	13808 : 50	00208 : 50		
03767-001	1	1	BN	100	1000	1.00	13808 : 50			
03767-002	2	2	BN	100	1000	1.00	13808 : 50			
03767-003	3	3	BN	100	1000	1.00	13808 : 50			
03767-004	4	4	BN	100	1000	1.00	13808 : 50			
03767-005	5	5	BN	100	1000	1.00	13808 : 50			
03767-007	6	6	BN	100	1000	1.00	13808 : 50			
03809-001	7	1	BN	100	1000	1.00	13808 : 50			
03809-003	8	2	BN	100	1000	1.00	13808 : 50			
03829-001	9	3	BN	100	***500***	***0.500***	***13808 : 25***			Limited
03790-001	10	4	BN	100	***500***	***0.500***	***13808 : 25***			Limited
03790-002	11	5	BN	100	***500***	***0.500***	***13808 : 25***			Limited
03810-001	12	6	BN	100	***500***	***0.500***	***13808 : 25***			Limited
03874-001	1	1	BNA	100	***1000***	***0.500***	***13808 : 50***	***00208 : 50***		
03843-002	2	2	BN	100	1000	1.00	13808 : 50			
03843-003	3	3	BN	100	1000	1.00	13808 : 50			
03843-004	4	4	BN	100	1000	1.00	13808 : 50			
03844-001	5	5	BN	100	1000	1.00	13808 : 50			
03863-001	6	6	BN	100	1000	1.00	13808 : 50			
03863-002	7	1	BN	100	1000	1.00	13808 : 50			
03831-001	8	2	BN	100	1000	1.00	13808 : 50			
MS (BLK)			BNA	-	1000	1.00	13808 : 50	00208 : 50	BNA Matrix 105 ul	
MSD (BLK)			BNA	-	1000	1.00	13808 : 50	00208 : 50	BNA Matrix 105 ul	
BLK-SPK			BNA	-	1000	1.00	13808 : 50	00208 : 50	BNA Matrix 105 ul	

*Sample (underlineed) volume did not reduce 1000 times.
*There are limited sample(s) in this extraction batch.

GC/MS Semivolatiles

Date	3/26/08	Tune File	DFTPP 1		
Instrument	B	Method 1	BW0708		
Analyst	JC	Method 2	BT0708	ISTD Lot #	ECS SVI22
Page	1 of 1	Method 3		DFTPP Lot #	ECS DFT016

Sample Lab ID	Sample Client ID	Data File	Time	Date	Dil. Fact	Comments
DFTPP		B596X	7:59			
ABN004-08	5ng BNA	69	8.16			
5	10	70	31			
7	50	72	9.17			
8	80	73	32			
19	80 OCMO4	74	48			
6	20 BNA	75	10.04			
18	50 OCMO4	76	31			
17	20	77	46			
16	10	78	11.02			
15	5	79	17			

GC/MS Semivolatiles

Date	4/11/08	Tune File	DFTPP 1		
Instrument	B	Method 1	BW072408		
Analyst	JC	Method 2	BSIM0605	ISTD Lot #	ECS SVI22
Page	1 of 1	Method 3		DFTPP Lot #	ECS DFT016

Sample Lab ID	Client ID	Data File	Time	Date	Dil. Fact	Comments
DFTPP		B6563	10.03			
ABN00C.0V		64				
17-08		65				
25-08		66	10.55			
Method Blank		67	11.10			
3809-001	MW1	68	24			
3	Field	69	38			
3829-001	WPA	70	53			
3790-001	GWI	71	12.07			
2	2	72	22			
3810-001	Well P	73	36			
3843002	MW2	74	51			
3	3	75	13.05			
4	Field	76	20			
3844-001	MW1	77	34			
3863-001	TW1	78	48			
2	FB	79	14.03			
3831-001	MW1	80	17			
Method Blank		81	33	4/09		
MS		82	48			
MSD		83	15.04			
3809-001	MW1	84	19	4/7-7-9		
3	Field	85	34	"		
3829-001	WPA	86	50			
3790-001	GWI	87	16.05	4/4-7-9		
2	2	88	21			
3810-001	Well PF	89	36	4/8-8-9		
3843-002	MW2	90	52			
3	3	91	17.07			
4	Field	92	23			
3844-001	MW1	93	38	4/7-7-9		
3863-001	TW1	94	53	4/8-8-9		
2	FB	95	18.09	"		
3831-001	MW1	96	24	4/7-7-9		
3767-001	MW6	97	40	4/3-4-9		
2	5	98	55			
3	4	99	19.10			
4	3	B6600	26			
5	2	01	41			
7	Field	02	57			
3874-001	STI	03	20.12	4/8-8-9		

METALS QUALITY CONTROL

BLANK 1 RESULTS SUMMARY

Batch (Page) #: 157

Associated Lab Case for Blank 1: 03767

Matrix: Aqueous Unit: ppb (µg/L) Method: 6020

ANALYTE	SAMPLE MDL	REAGENT BLANK
Arsenic	2.00	ND
Lead	2.00	ND

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 157
Lab Case: 03767

Matrix: Aqueous Method: 6020 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	ICB	CCB	CCB			
Arsenic	0.500	ND	ND	ND			
Lead	0.500	ND	ND	ND			

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 157
Lab Case: 03767

Matrix: Aqueous Method: 6020 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	ICV		CCV		CCV			
			FOUND	% R	FOUND	% R	FOUND	% R	FOUND	% R
Arsenic	0.500	20.0	21.0	105	21.3	107	21.2	106		
Lead	0.500	10.0	9.58	95.8	9.53	95.3	9.47	94.7		

(1) Control Limits: Mercury 80-120; Other Metals 90-110

METALS QUALITY CONTROL

ICP-MS ICSAB RESULTS SUMMARY

Batch (Page) #: 157
Lab Case: 03767

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	TRUE		INITIAL FOUND			CONTROL LIMIT %R
	SOL A	SOL B	SOL A	SOL A+B	%R	
Chlorine	1000000	-	-	-	-	NA
Carbon	200000	-	-	-	-	NA
Aluminum	100000	-	> LRG	> LRG	NA	NA
Calcium	100000	-	85800	85800	85.8	NA
Iron	100000	-	84800	84900	84.9	NA
Potassium	100000	-	> LRG	> LRG	NA	NA
Magnesium	100000	-	> LRG	> LRG	NA	NA
Sodium	100000	-	> LRG	> LRG	NA	NA
Phosphorus	100000	-	-	-	-	NA
Sulfur	100000	-	-	-	-	NA
Molybdenum	2000	-	-	-	-	NA
Titanium	2000	-	1900	1900	95.0	NA
Silver	-	20.0	0.284	19.0	93.6	80-120
Arsenic	-	20.0	0.211	18.0	88.9	80-120
Cadmium	-	20.0	4.84	21.8	84.8	80-120
Cobalt	-	20.0	0.298	20.8	103	80-120
Chromium	-	20.0	1.78	23.5	109	80-120
Copper	-	20.0	2.76	23.1	102	80-120
Manganese	-	20.0	0.731	22.1	107	80-120
Nickel	-	20.0	2.31	23.0	103	80-120
Zinc	-	20.0	4.57	23.9	96.7	80-120

%R = Percent Recovery

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Batch (Page) #: 157
Lab Case: 03767

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Arsenic	361	2.49	89.6	400					75-125
Lead	383	ND	95.8	400					75-125

SSR = Spike Sample Result
SA = Spike Added
NC = Non-calculable % R; Sample concentration > 4 x Spike Concentration.

SR = Sample Result
%R = Percent Recovery

QC Sample 1 03767-001
QC Sample 1 for following samples:
03767-001,003~004,006~007

QC Sample 2 _____
QC Sample 2 for following samples:

METALS QUALITY CONTROL
DUPLICATE SAMPLE RECOVERY

Batch (Page) #: 157
Lab Case: 03767

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	CONTROL LIMIT 1	S1	D1	RPD1	CONTROL LIMIT 2	S2	D2	RPD2
Arsenic	20	2.49	2.50	0.401				
Lead	NA	ND	ND	NC				

S1 = Sample 1
D1 = Duplicate 1
NA = Not Applicable
NC = Non-calculable RPD due to result (s) less than the detection limit.

S2 = Sample 2
D2 = Duplicate 2

QC Sample 1 03767-001
QC Sample 1 for following samples:
03767-001,003~004,006~007

QC Sample 2 _____
QC Sample 2 for following samples:

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Batch (Page) #: 157
Lab Case: 03767

Matrix: Aqueous Unit: ppb (µg/L)

ANALYTE	BSW1			BSW2		
	TRUE	FOUND	%R(1)	TRUE	FOUND	%R(1)
Arsenic	400	366	91.5			
Lead	400	368	92.0			

(1) Control Limits % Recovery = 85-115%

BSW1

03767-001,003~004,006~007

BSW2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SERIAL DILUTIONS & POST SPIKES 1

Batch (Page) #: 157
Lab Case: 03767

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SERIAL DILUTION		%	POST SPIKE		%
	SR	SDR	Difference	SPR	SA	Recovery
Arsenic	2.49			374	400	92.9
Lead	ND			391	400	97.8

SR = Sample Result
SDR = Sample Dilution Result

SPR = Sample Post Spike Result
SA = Spike Added

Control Limits: (+) or (-) 10% Difference or 75 - 125% Recovery

QC Sample1 : 03767-001
QC Sample 1 for following samples:
03767-001,003~004,006~007

Daily Performance Report

Sample ID: Daily Performance Check

Sample Date/Time: Monday, April 07, 2008 10:02:09
Sample Description:
Method File: C:\elandata\Method\Daily Performance.mth
Dataset File: C:\elandata\Dataset\Default\Daily Performance Check.721
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\Default.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 65
Current Dead Time (ns): 65

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	45115.9	45115.919	204.976	0.5
	In	114.9	218931.5	218931.530	2810.365	1.3
	U	238.1	242461.3	242461.317	2095.336	0.9
⌈>	Ce	139.9	242961.9	242961.935	1677.092	0.7
⌊	CeO	155.9	5753.4	0.024	0.000	1.0
⌈>	Ba	137.9	187855.6	187855.574	1210.249	0.6
⌊	Ba++	69.0	3961.4	0.021	0.000	1.6
	220	220.0	0.7	0.700	0.274	39.1
	8.5	8.5	4.9	4.900	1.084	22.1

Current Optimization File Data

Current Value	Description
0.99	Nebulizer Gas Flow [NEB]
1.50	Auxiliary Gas Flow
16.20	Plasma Gas Flow
10.00	Lens Voltage
1400.00	ICP RF Power
-1581.25	Analog Stage Voltage
900.00	Pulse Stage Voltage
0.00	Quadrupole Rod Offset Std [QRO]
-22.00	Cell Rod Offset Std [CRO]
24.00	Discriminator Threshold
-16.00	Cell Path Voltage Std [CPV]
0.00	RPa
0.25	RPq
0.83	DRC Mode NEB
-6.00	DRC Mode QRO
-1.00	DRC Mode CRO
-15.00	DRC Mode CPV
0.00	Cell Gas A

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	15	8.0	2950.6
Co	59	15	9.0	74105.2
In	115	15	10.0	149641.5
U	238	15	11.0	155932.6

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: L1

Analyzed Date/Time: Monday, April 07, 2008 14:52:04
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\L1.001
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9		ppb
⌊	B	11		ppb
⌈	Na	23		ppm
|	Mg	24		ppm
|	Al	27		ppb
|	K	39		ppm
|	Ca	44		ppm
|>	Sc	45		ppb
|	Ti	47		ppb
|	V	51		ppb
|	Cr	52		ppb
|	Fe	54		ppm
|	Mn	55		ppb
|	Co	59		ppb
|	Ni	60		ppb
|	Cu	65		ppb
⌊	Zn	66		ppb
⌈>	Ge	72		ppb
|	As	75		ppb
|	Se	77		ppb
|	Se	82		ppb
|	Cd	111		ppb
⌊	Cd	114		ppb
⌈	Mo	98		ppb
|>	Rh	103		ppb
|	Ag	107		ppb
⌊	Sn	118		ppb
⌈	Sb	121		ppb
|	Ba	137		ppb
⌊>	Tb	159		ppb
⌈	Tl	205		ppb
|	Pb	208		ppb
⌊>	Bi	209		ppb
	Mg	25		ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

- 09329

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

QC Calculated Values

	Analyte	Mass	Int Std % Recovery	QC Std % Recovery
[>	Li	6		
|	Be	9		
[	B	11		
[	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45		
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
[	Zn	66		
[>	Ge	72		
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
[	Cd	114		
[	Mo	98		
|>	Rh	103		
|	Ag	107		
[	Sn	118		
[	Sb	121		
|	Ba	137		
[>	Tb	159		
[	Tl	205		
|	Pb	208		
[>	Bi	209		
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

CW0330

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: L2

Analyzed Date/Time: Monday, April 07, 2008 14:55:30
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\L2.002
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**5.000**	ppb
⌊	B	11	**5.000**	ppb
⌈	Na	23	**0.050**	ppm
|	Mg	24	**0.050**	ppm
|	Al	27	**5.000**	ppb
|	K	39	**0.050**	ppm
|	Ca	44	**0.050**	ppm
|>	Sc	45		ppb
|	Ti	47	**5.000**	ppb
|	V	51	**5.000**	ppb
|	Cr	52	**5.000**	ppb
|	Fe	54	**0.050**	ppm
|	Mn	55	**5.000**	ppb
|	Co	59	**5.000**	ppb
|	Ni	60	**5.000**	ppb
|	Cu	65	**5.000**	ppb
⌊	Zn	66	**5.000**	ppb
⌈>	Ge	72		ppb
|	As	75	**5.000**	ppb
|	Se	77	**5.000**	ppb
|	Se	82	**5.000**	ppb
|	Cd	111	**5.000**	ppb
⌊	Cd	114	**5.000**	ppb
⌈	Mo	98	**5.000**	ppb
|>	Rh	103		ppb
|	Ag	107	**5.000**	ppb
⌊	Sn	118	**5.000**	ppb
⌈	Sb	121	**5.000**	ppb
|	Ba	137	**5.000**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**5.000**	ppb
|	Pb	208	**5.000**	ppb
⌊>	Bi	209		ppb
	Mg	25	**50.000**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

QC Calculated Values

	Analyte	Mass	Int Std % Recovery	QC Std % Recovery
⌈>	Li	6		
⌈	Be	9		
⌊	B	11		
⌈	Na	23		
⌈	Mg	24		
⌈	Al	27		
⌈	K	39		
⌈	Ca	44		
⌈>	Sc	45		
⌈	Ti	47		
⌈	V	51		
⌈	Cr	52		
⌈	Fe	54		
⌈	Mn	55		
⌈	Co	59		
⌈	Ni	60		
⌈	Cu	65		
⌊	Zn	66		
⌈>	Ge	72		
⌈	As	75		
⌈	Se	77		
⌈	Se	82		
⌈	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
⌈>	Rh	103		
⌈	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
⌈	Ba	137		
⌊>	Tb	159		
⌈	Tl	205		
⌈	Pb	208		
⌊>	Bi	209		
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: L3

Analyzed Date/Time: Monday, April 07, 2008 14:58:57
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\L3.003
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**50.009**	ppb
⌊	B	11	**50.017**	ppb
⌈	Na	23	**0.499**	ppm
|	Mg	24	**0.500**	ppm
|	Al	27	**49.830**	ppb
|	K	39	**0.500**	ppm
|	Ca	44	**0.500**	ppm
|>	Sc	45		ppb
|	Ti	47	**49.987**	ppb
|	V	51	**49.995**	ppb
|	Cr	52	**49.991**	ppb
|	Fe	54	**0.499**	ppm
|	Mn	55	**49.995**	ppb
|	Co	59	**49.991**	ppb
|	Ni	60	**49.993**	ppb
|	Cu	65	**50.000**	ppb
⌊	Zn	66	**50.002**	ppb
⌈>	Ge	72		ppb
|	As	75	**50.009**	ppb
|	Se	77	**49.990**	ppb
|	Se	82	**50.010**	ppb
|	Cd	111	**49.992**	ppb
⌊	Cd	114	**49.993**	ppb
⌈	Mo	98	**49.996**	ppb
|>	Rh	103		ppb
|	Ag	107	**49.991**	ppb
⌊	Sn	118	**49.994**	ppb
⌈	Sb	121	**50.000**	ppb
|	Ba	137	**49.997**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**49.996**	ppb
|	Pb	208	**49.998**	ppb
⌊>	Bi	209		ppb
	Mg	25	**499.653**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

QC Calculated Values

	Analyte	Mass	Int Std % Recovery	QC Std % Recovery
⌈>	Li	6		
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45		
|	Ti	47		
|	V	51		
|	Cr	52		
¦	Fe	54		
¦	Mn	55		
¦	Co	59		
¦	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72		
|	As	75		
|	Se	77		
¦	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103		
¦	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
¦	Ba	137		
⌊>	Tb	159		
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209		
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: L4

Analyzed Date/Time: Monday, April 07, 2008 15:02:25
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\L4.004
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**500.073**	ppb
⌊	B	11	**500.037**	ppb
⌈	Na	23	**4.998**	ppm
|	Mg	24	**4.995**	ppm
|	Al	27	**499.608**	ppb
|	K	39	**5.000**	ppm
|	Ca	44	**4.999**	ppm
|>	Sc	45		ppb
|	Ti	47	**499.940**	ppb
|	V	51	**500.010**	ppb
|	Cr	52	**499.994**	ppb
|	Fe	54	**4.999**	ppm
|	Mn	55	**500.074**	ppb
|	Co	59	**500.173**	ppb
|	Ni	60	**499.892**	ppb
|	Cu	65	**499.878**	ppb
⌊	Zn	66	**499.981**	ppb
⌈>	Ge	72		ppb
|	As	75	**500.006**	ppb
|	Se	77	**500.069**	ppb
|	Se	82	**500.009**	ppb
|	Cd	111	**500.016**	ppb
⌊	Cd	114	**500.251**	ppb
⌈	Mo	98	**500.230**	ppb
|>	Rh	103		ppb
|	Ag	107	**500.278**	ppb
⌊	Sn	118	**500.359**	ppb
⌈	Sb	121	**500.132**	ppb
|	Ba	137	**499.712**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**500.602**	ppb
|	Pb	208	**500.555**	ppb
⌊>	Bi	209		ppb
	Mg	25	**4993.285**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6		
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45		
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72		
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103		
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159		
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209		
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: ICV

Analyzed Date/Time: Monday, April 07, 2008 15:10:44
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\ICV.005
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**10.334**	ppb
⌊	B	11	**56.883**	ppb
⌈	Na	23	**11.156**	ppm
|	Mg	24	**11.007**	ppm
|	Al	27	**437.315**	ppb
|	K	39	**10.944**	ppm
|	Ca	44	**10.546**	ppm
|>	Sc	45		ppb
|	Ti	47	**51.233**	ppb
|	V	51	**103.577**	ppb
|	Cr	52	**20.219**	ppb
|	Fe	54	**0.204**	ppm
|	Mn	55	**30.271**	ppb
|	Co	59	**96.315**	ppb
|	Ni	60	**80.602**	ppb
|	Cu	65	**50.020**	ppb
⌊	Zn	66	**41.478**	ppb
⌈>	Ge	72		ppb
|	As	75	**20.996**	ppb
|	Se	77	**10.612**	ppb
|	Se	82	**10.585**	ppb
|	Cd	111	**10.837**	ppb
⌊	Cd	114	**11.275**	ppb
⌈	Mo	98	**51.579**	ppb
|>	Rh	103		ppb
|	Ag	107	**18.749**	ppb
⌊	Sn	118	**48.114**	ppb
⌈	Sb	121	**121.244**	ppb
|	Ba	137	**414.080**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**18.628**	ppb
|	Pb	208	**9.575**	ppb
⌊>	Bi	209		ppb
	Mg	25	**11283.806**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	QC Calculated Values QC Std % Recovery
⌈>	Li	6	98.089	
|	Be	9		103.339
⌊	B	11		113.766
⌈	Na	23		111.563
|	Mg	24		110.066
|	Al	27		109.329
|	K	39		109.444
|	Ca	44		105.460
|>	Sc	45	97.267	
|	Ti	47		102.466
|	V	51		103.577
|	Cr	52		101.094
|	Fe	54		101.861
|	Mn	55		100.904
|	Co	59		96.315
|	Ni	60		100.753
|	Cu	65		100.041
⌊	Zn	66		103.695
⌈>	Ge	72	97.544	
|	As	75		104.980
|	Se	77		106.119
|	Se	82		105.852
|	Cd	111		108.375
⌊	Cd	114		112.752
⌈	Mo	98		103.158
|>	Rh	103	95.021	
|	Ag	107		93.745
⌊	Sn	118		96.228
⌈	Sb	121		101.036
|	Ba	137		103.520
⌊>	Tb	159	100.243	
⌈	Tl	205		93.139
|	Pb	208		95.754
⌊>	Bi	209	94.744	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Sample ID: ICV

CW3338

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: ICB

Analyzed Date/Time: Monday, April 07, 2008 15:14:31
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\ICB.006
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**0.113**	ppb
	B	11	**1.464**	ppb
	Na	23	**0.024**	ppm
	Mg	24	**0.026**	ppm
	Al	27	**2.411**	ppb
	K	39	**0.025**	ppm
	Ca	44	**0.019**	ppm
>	Sc	45		ppb
	Ti	47	**0.188**	ppb
	V	51	**0.288**	ppb
	Cr	52	**0.048**	ppb
	Fe	54	**0.000**	ppm
	Mn	55	**0.129**	ppb
	Co	59	**0.229**	ppb
	Ni	60	**0.148**	ppb
	Cu	65	**0.116**	ppb
	Zn	66	**0.223**	ppb
>	Ge	72		ppb
	As	75	**0.134**	ppb
	Se	77	**0.066**	ppb
	Se	82	**0.153**	ppb
	Cd	111	**0.107**	ppb
	Cd	114	**0.111**	ppb
	Mo	98	**0.502**	ppb
>	Rh	103		ppb
	Ag	107	**0.164**	ppb
	Sn	118	**0.347**	ppb
	Sb	121	**0.724**	ppb
	Ba	137	**0.955**	ppb
>	Tb	159		ppb
	Tl	205	**0.126**	ppb
	Pb	208	**0.094**	ppb
>	Bi	209		ppb
	Mg	25	**25.224**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	97.790	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	98.278	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	98.296	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	98.340	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	98.889	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	97.359	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: ICSA

Analyzed Date/Time: Monday, April 07, 2008 15:18:17
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\ICSA.007
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**0.074**	ppb
	B	11	**1.622**	ppb
	Na	23	**80.470**	ppm
	Mg	24	**78.190**	ppm
	Al	27	**78814.532**	ppb
	K	39	**89.087**	ppm
	Ca	44	**85.814**	ppm
>	Sc	45		ppb
	Ti	47	**1896.091**	ppb
	V	51	**0.117**	ppb
	Cr	52	**1.781**	ppb
	Fe	54	**84.769**	ppm
	Mn	55	**0.731**	ppb
	Co	59	**0.298**	ppb
	Ni	60	**2.308**	ppb
	Cu	65	**2.758**	ppb
	Zn	66	**4.571**	ppb
>	Ge	72		ppb
	As	75	**0.211**	ppb
	Se	77	**8.400**	ppb
	Se	82	**0.717**	ppb
	Cd	111	**4.838**	ppb
	Cd	114	**2.995**	ppb
	Mo	98	**1888.426**	ppb
>	Rh	103		ppb
	Ag	107	**0.284**	ppb
	Sn	118	**0.197**	ppb
	Sb	121	**0.348**	ppb
	Ba	137	**1.020**	ppb
>	Tb	159		ppb
	Tl	205	**0.053**	ppb
	Pb	208	**0.205**	ppb
>	Bi	209		ppb
	Mg	25	**63871.079**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	67.842	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	78.911	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
¦	Mn	55		
¦	Co	59		
¦	Ni	60		
¦	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	92.988	
|	As	75		
|	Se	77		
¦	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		94.421
|>	Rh	103	77.513	
¦	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	86.026	
⌈	Tl	205		
¦	Pb	208		
⌊>	Bi	209	79.310	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: ICSAB

Analyzed Date/Time: Monday, April 07, 2008 15:22:04
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\ICSAB.008
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**0.053**	ppb
	B	11	**1.288**	ppb
	Na	23	**80.162**	ppm
	Mg	24	**77.923**	ppm
	Al	27	**78578.432**	ppb
	K	39	**88.715**	ppm
	Ca	44	**85.770**	ppm
>	Sc	45		ppb
	Ti	47	**1904.155**	ppb
	V	51	**0.029**	ppb
	Cr	52	**23.453**	ppb
	Fe	54	**84.938**	ppm
	Mn	55	**22.141**	ppb
	Co	59	**20.781**	ppb
	Ni	60	**23.028**	ppb
	Cu	65	**23.110**	ppb
	Zn	66	**23.863**	ppb
>	Ge	72		ppb
	As	75	**17.979**	ppb
	Se	77	**9.370**	ppb
	Se	82	**0.801**	ppb
	Cd	111	**21.813**	ppb
	Cd	114	**18.729**	ppb
	Mo	98	**1881.172**	ppb
>	Rh	103		ppb
	Ag	107	**18.990**	ppb
	Sn	118	**0.151**	ppb
	Sb	121	**0.217**	ppb
	Ba	137	**1.193**	ppb
>	Tb	159		ppb
	Tl	205	**0.034**	ppb
	Pb	208	**0.205**	ppb
>	Bi	209		ppb
	Mg	25	**62792.847**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
[>	Li	6	67.869	
|	Be	9		
L	B	11		
[	Na	23		
|	Mg	24		
!	Al	27		
|	K	39		
!	Ca	44		
|>	Sc	45	77.587	
|	Ti	47		
|	V	51		
!	Cr	52		117.266
|	Fe	54		
|	Mn	55		110.703
|	Co	59		103.907
|	Ni	60		115.139
|	Cu	65		115.550
L	Zn	66		119.314
[>	Ge	72	92.682	
|	As	75		89.895
|	Se	77		
|	Se	82		
|	Cd	111		
L	Cd	114		
[	Mo	98		94.059
|>	Rh	103	77.227	
|	Ag	107		94.950
L	Sn	118		
[	Sb	121		
|	Ba	137		
L>	Tb	159	85.235	
[	Tl	205		
|	Pb	208		
L>	Bi	209	78.976	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: BMW1

Analyzed Date/Time: Monday, April 07, 2008 15:44:34
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\BMW1.013
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**0.044**	ppb
⌊	B	11	**-0.899**	ppb
⌈	Na	23	**0.046**	ppm
|	Mg	24	**0.010**	ppm
|	Al	27	**8.514**	ppb
|	K	39	**0.023**	ppm
|	Ca	44	**0.030**	ppm
|>	Sc	45		ppb
|	Ti	47	**0.133**	ppb
|	V	51	**0.044**	ppb
|	Cr	52	**0.094**	ppb
|	Fe	54	**-0.010**	ppm
|	Mn	55	**0.189**	ppb
|	Co	59	**-0.003**	ppb
|	Ni	60	**-0.127**	ppb
|	Cu	65	**-0.159**	ppb
⌊	Zn	66	**1.314**	ppb
⌈>	Ge	72		ppb
|	As	75	**-0.014**	ppb
|	Se	77	**0.569**	ppb
|	Se	82	**0.239**	ppb
|	Cd	111	**0.002**	ppb
⌊	Cd	114	**0.005**	ppb
⌈	Mo	98	**0.368**	ppb
|>	Rh	103		ppb
|	Ag	107	**0.015**	ppb
⌊	Sn	118	**-0.018**	ppb
⌈	Sb	121	**0.067**	ppb
|	Ba	137	**0.530**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**-0.001**	ppb
|	Pb	208	**0.016**	ppb
⌊>	Bi	209		ppb
	Mg	25	**9.811**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
>	Li	6	94.778	
	Be	9		
	B	11		
	Na	23		
	Mg	24		
	Al	27		
	K	39		
	Ca	44		
>	Sc	45	99.059	
	Ti	47		
	V	51		
	Cr	52		
	Fe	54		
	Mn	55		
	Co	59		
	Ni	60		
	Cu	65		
	Zn	66		
>	Ge	72	99.697	
	As	75		
	Se	77		
	Se	82		
	Cd	111		
	Cd	114		
	Mo	98		
>	Rh	103	98.808	
	Ag	107		
	Sn	118		
	Sb	121		
	Ba	137		
>	Tb	159	99.047	
	Tl	205		
	Pb	208		
>	Bi	209	97.429	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-001

Analyzed Date/Time: Monday, April 07, 2008 15:48:21
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\03767-001.014
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**0.080**	ppb
	B	11	**149.123**	ppb
	Na	23	**S**	ppm
	Mg	24	**98.426**	ppm
	Al	27	**171.156**	ppb
	K	39	**10.107**	ppm
	Ca	44	**259.534**	ppm
>	Sc	45		ppb
	Ti	47	**9.057**	ppb
	V	51	**0.870**	ppb
	Cr	52	**0.434**	ppb
	Fe	54	**9.575**	ppm
	Mn	55	**7898.586**	ppb
	Co	59	**2.032**	ppb
	Ni	60	**12.518**	ppb
	Cu	65	**3.284**	ppb
	Zn	66	**25.689**	ppb
>	Ge	72		ppb
	As	75	**2.485**	ppb
	Se	77	**15.680**	ppb
	Se	82	**5.106**	ppb
	Cd	111	**0.070**	ppb
	Cd	114	**0.049**	ppb
	Mo	98	**5.639**	ppb
>	Rh	103		ppb
	Ag	107	**0.027**	ppb
	Sn	118	**0.116**	ppb
	Sb	121	**0.157**	ppb
	Ba	137	**530.853**	ppb
>	Tb	159		ppb
	Tl	205	**0.003**	ppb
	Pb	208	**1.809**	ppb
>	Bi	209		ppb
	Mg	25	**102261.007**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	87.867	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	94.628	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	90.961	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	86.434	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	96.688	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	87.508	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

>LRS Na

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-001R

Analyzed Date/Time: Monday, April 07, 2008 15:52:08
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\03767-001R.015
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**0.072**	ppb
	B	11	**145.543**	ppb
	Na	23	**S**	ppm
	Mg	24	**91.914**	ppm
	Al	27	**160.351**	ppb
	K	39	**9.854**	ppm
	Ca	44	**253.527**	ppm
>	Sc	45		ppb
	Ti	47	**8.885**	ppb
	V	51	**0.900**	ppb
	Cr	52	**0.266**	ppb
	Fe	54	**9.423**	ppm
	Mn	55	**7688.068**	ppb
	Co	59	**1.989**	ppb
	Ni	60	**12.061**	ppb
	Cu	65	**2.996**	ppb
	Zn	66	**24.212**	ppb
>	Ge	72		ppb
	As	75	**2.496**	ppb
	Se	77	**15.429**	ppb
	Se	82	**5.524**	ppb
	Cd	111	**0.068**	ppb
	Cd	114	**0.055**	ppb
	Mo	98	**5.392**	ppb
>	Rh	103		ppb
	Ag	107	**0.022**	ppb
	Sn	118	**0.081**	ppb
	Sb	121	**0.117**	ppb
	Ba	137	**516.795**	ppb
>	Tb	159		ppb
	Tl	205	**0.003**	ppb
	Pb	208	**1.759**	ppb
>	Bi	209		ppb
	Mg	25	**101615.497**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	92.766	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	97.739	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	93.515	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	89.617	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	101.087	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	91.419	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

>LRS Na

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-001SD

Analyzed Date/Time: Monday, April 07, 2008 15:55:56
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\03767-001SD.016
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 10

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**0.374**	ppb
	B	11	**158.475**	ppb
	Na	23	**568.749**	ppm
	Mg	24	**115.087**	ppm
	Al	27	**206.829**	ppb
	K	39	**10.611**	ppm
	Ca	44	**269.472**	ppm
>	Sc	45		ppb
	Ti	47	**9.765**	ppb
	V	51	**1.915**	ppb
	Cr	52	**1.618**	ppb
	Fe	54	**10.028**	ppm
	Mn	55	**8120.229**	ppb
	Co	59	**2.402**	ppb
	Ni	60	**12.670**	ppb
	Cu	65	**2.215**	ppb
	Zn	66	**34.438**	ppb
>	Ge	72		ppb
	As	75	**4.408**	ppb
	Se	77	**17.056**	ppb
	Se	82	**9.475**	ppb
	Cd	111	**0.394**	ppb
	Cd	114	**0.320**	ppb
	Mo	98	**6.210**	ppb
>	Rh	103		ppb
	Ag	107	**0.304**	ppb
	Sn	118	**-0.030**	ppb
	Sb	121	**0.470**	ppb
	Ba	137	**549.857**	ppb
>	Tb	159		ppb
	Tl	205	**0.246**	ppb
	Pb	208	**2.183**	ppb
>	Bi	209		ppb
	Mg	25	**122139.844**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	99.516	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	101.435	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	99.118	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	96.523	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	103.492	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	99.081	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: BSW1

Analyzed Date/Time: Monday, April 07, 2008 15:59:43
Sample Type: Sample
Batch ID: 157
Method File:
Dataset File: C:\Elandata\DataSet\pg157\BSW1.017
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
[>	Li	6		ppb
|	Be	9	**368.937**	ppb
L	B	11	**0.093**	ppb
[	Na	23	**7.801**	ppm
|	Mg	24	**7.647**	ppm
|	Al	27	**396.259**	ppb
|	K	39	**7.311**	ppm
|	Ca	44	**7.286**	ppm
|>	Sc	45		ppb
|	Ti	47	**0.134**	ppb
|	V	51	**361.992**	ppb
|	Cr	52	**358.467**	ppb
|	Fe	54	**6.780**	ppm
|	Mn	55	**354.397**	ppb
|	Co	59	**340.169**	ppb
|	Ni	60	**361.915**	ppb
|	Cu	65	**363.212**	ppb
L	Zn	66	**371.918**	ppb
[>	Ge	72		ppb
|	As	75	**366.280**	ppb
|	Se	77	**371.030**	ppb
|	Se	82	**381.864**	ppb
|	Cd	111	**369.251**	ppb
L	Cd	114	**336.682**	ppb
[	Mo	98	**344.934**	ppb
|>	Rh	103		ppb
|	Ag	107	**338.848**	ppb
L	Sn	118	**-0.012**	ppb
[	Sb	121	**346.814**	ppb
|	Ba	137	**376.385**	ppb
L>	Tb	159		ppb
[	Tl	205	**356.399**	ppb
|	Pb	208	**367.783**	ppb
L>	Bi	209		ppb
	Mg	25	**8203.765**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	99.009	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	99.145	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	99.579	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	98.734	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	101.560	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	101.870	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-001RS

Analyzed Date/Time: Monday, April 07, 2008 16:03:30
Sample Type: Sample
Batch ID: 157
Method File:
Dataset File: C:\Elandata\DataSet\pg157\03767-001RS.018
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**350.482**	ppb
	B	11	**144.022**	ppb
	Na	23	**S**	ppm
	Mg	24	**102.844**	ppm
	Al	27	**510.408**	ppb
	K	39	**16.804**	ppm
	Ca	44	**260.220**	ppm
>	Sc	45		ppb
	Ti	47	**8.895**	ppb
	V	51	**350.534**	ppb
	Cr	52	**335.841**	ppb
	Fe	54	**16.338**	ppm
	Mn	55	**8028.017**	ppb
	Co	59	**321.379**	ppb
	Ni	60	**340.449**	ppb
	Cu	65	**322.895**	ppb
	Zn	66	**347.934**	ppb
>	Ge	72		ppb
	As	75	**360.567**	ppb
	Se	77	**366.894**	ppb
	Se	82	**358.172**	ppb
	Cd	111	**343.663**	ppb
	Cd	114	**314.896**	ppb
	Mo	98	**374.307**	ppb
>	Rh	103		ppb
	Ag	107	**306.820**	ppb
	Sn	118	**0.057**	ppb
	Sb	121	**322.206**	ppb
	Ba	137	**865.046**	ppb
>	Tb	159		ppb
	Tl	205	**370.354**	ppb
	Pb	208	**383.115**	ppb
>	Bi	209		ppb
	Mg	25	**107604.406**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	89.635	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	95.386	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	91.283	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	87.863	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	99.445	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	89.302	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

>LRS Na

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: CCV

Analyzed Date/Time: Monday, April 07, 2008 16:07:18
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\CCV.019
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**10.581**	ppb
⌊	B	11	**56.175**	ppb
⌈	Na	23	**11.595**	ppm
|	Mg	24	**11.235**	ppm
|	Al	27	**443.054**	ppb
|	K	39	**10.904**	ppm
|	Ca	44	**10.629**	ppm
|>	Sc	45		ppb
|	Ti	47	**51.342**	ppb
|	V	51	**102.824**	ppb
|	Cr	52	**19.845**	ppb
|	Fe	54	**0.207**	ppm
|	Mn	55	**31.893**	ppb
|	Co	59	**95.173**	ppb
|	Ni	60	**79.755**	ppb
|	Cu	65	**49.530**	ppb
⌊	Zn	66	**41.149**	ppb
⌈>	Ge	72		ppb
|	As	75	**21.301**	ppb
|	Se	77	**11.106**	ppb
|	Se	82	**11.076**	ppb
|	Cd	111	**10.958**	ppb
⌊	Cd	114	**11.468**	ppb
⌈	Mo	98	**50.835**	ppb
|>	Rh	103		ppb
|	Ag	107	**19.494**	ppb
⌊	Sn	118	**47.794**	ppb
⌈	Sb	121	**118.508**	ppb
|	Ba	137	**411.185**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**18.653**	ppb
|	Pb	208	**9.526**	ppb
⌊>	Bi	209		ppb
	Mg	25	**11950.362**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	101.376	
|	Be	9		105.807
⌊	B	11		112.350
⌈	Na	23		115.955
|	Mg	24		112.349
|	Al	27		110.764
|	K	39		109.045
|	Ca	44		106.287
|>	Sc	45	101.117	
|	Ti	47		102.683
|	V	51		102.824
|	Cr	52		99.227
|	Fe	54		103.342
|	Mn	55		106.309
|	Co	59		95.173
|	Ni	60		99.694
|	Cu	65		99.059
⌊	Zn	66		102.873
⌈>	Ge	72	98.117	
|	As	75		106.507
|	Se	77		111.058
|	Se	82		110.760
|	Cd	111		109.582
⌊	Cd	114		114.680
⌈	Mo	98		101.670
|>	Rh	103	97.587	
|	Ag	107		97.471
⌊	Sn	118		95.588
⌈	Sb	121		98.757
|	Ba	137		102.796
⌊>	Tb	159	104.535	
⌈	Tl	205		93.264
|	Pb	208		95.255
⌊>	Bi	209	100.506	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: CCB

Analyzed Date/Time: Monday, April 07, 2008 16:11:05
Sample Type: Sample
Batch ID:
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\CCB.020
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**0.063**	ppb
⌊	B	11	**0.581**	ppb
⌈	Na	23	**0.055**	ppm
|	Mg	24	**0.035**	ppm
|	Al	27	**3.681**	ppb
|	K	39	**0.026**	ppm
|	Ca	44	**0.026**	ppm
|>	Sc	45		ppb
|	Ti	47	**0.162**	ppb
|	V	51	**0.273**	ppb
|	Cr	52	**-0.028**	ppb
|	Fe	54	**0.002**	ppm
|	Mn	55	**0.401**	ppb
|	Co	59	**0.231**	ppb
|	Ni	60	**0.115**	ppb
|	Cu	65	**0.059**	ppb
⌊	Zn	66	**0.221**	ppb
⌈>	Ge	72		ppb
|	As	75	**0.101**	ppb
|	Se	77	**0.103**	ppb
|	Se	82	**0.192**	ppb
|	Cd	111	**0.052**	ppb
⌊	Cd	114	**0.055**	ppb
⌈	Mo	98	**0.447**	ppb
|>	Rh	103		ppb
|	Ag	107	**0.118**	ppb
⌊	Sn	118	**0.168**	ppb
⌈	Sb	121	**0.441**	ppb
|	Ba	137	**0.867**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**0.066**	ppb
|	Pb	208	**0.038**	ppb
⌊>	Bi	209		ppb
	Mg	25	**37.706**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	103.151	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	102.268	
|	Ti	47		
|	V	51		
¦	Cr	52		
⌈	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	99.833	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	100.325	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	104.837	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	103.841	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-001PS

Analyzed Date/Time: Monday, April 07, 2008 16:14:52
Sample Type: Sample
Batch ID: 157
Method File:
Dataset File: C:\Elandata\DataSet\pg157\03767-001PS.021
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**359.704**	ppb
⌊	B	11	**144.342**	ppb
⌈	Na	23	**S**	ppm
|	Mg	24	**102.230**	ppm
|	Al	27	**522.991**	ppb
|	K	39	**16.900**	ppm
|	Ca	44	**261.084**	ppm
|>	Sc	45		ppb
|	Ti	47	**9.167**	ppb
|	V	51	**361.501**	ppb
|	Cr	52	**344.838**	ppb
|	Fe	54	**16.426**	ppm
|	Mn	55	**8113.020**	ppb
|	Co	59	**330.960**	ppb
|	Ni	60	**348.399**	ppb
|	Cu	65	**330.866**	ppb
⌊	Zn	66	**353.365**	ppb
⌈>	Ge	72		ppb
|	As	75	**373.873**	ppb
|	Se	77	**380.807**	ppb
|	Se	82	**375.178**	ppb
|	Cd	111	**355.785**	ppb
⌊	Cd	114	**323.965**	ppb
⌈	Mo	98	**388.721**	ppb
|>	Rh	103		ppb
|	Ag	107	**308.211**	ppb
⌊	Sn	118	**0.158**	ppb
⌈	Sb	121	**333.761**	ppb
|	Ba	137	**876.760**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**376.884**	ppb
|	Pb	208	**390.656**	ppb
⌊>	Bi	209		ppb
	Mg	25	**108311.357**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	90.324	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	95.234	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	91.407	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	87.451	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	98.678	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	90.335	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

>LRS Na

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-007 fb

Analyzed Date/Time: Monday, April 07, 2008 16:26:46
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\03767-007 fb.024
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**0.140**	ppb
	B	11	**9.695**	ppb
	Na	23	**0.199**	ppm
	Mg	24	**0.048**	ppm
	Al	27	**21.385**	ppb
	K	39	**0.027**	ppm
	Ca	44	**0.056**	ppm
>	Sc	45		ppb
	Ti	47	**0.375**	ppb
	V	51	**0.326**	ppb
	Cr	52	**-0.838**	ppb
	Fe	54	**-0.024**	ppm
	Mn	55	**1.010**	ppb
	Co	59	**0.122**	ppb
	Ni	60	**-0.558**	ppb
	Cu	65	**0.082**	ppb
	Zn	66	**8.090**	ppb
>	Ge	72		ppb
	As	75	**0.107**	ppb
	Se	77	**0.404**	ppb
	Se	82	**0.575**	ppb
	Cd	111	**0.097**	ppb
	Cd	114	**0.075**	ppb
	Mo	98	**0.638**	ppb
>	Rh	103		ppb
	Ag	107	**0.139**	ppb
	Sn	118	**0.020**	ppb
	Sb	121	**0.434**	ppb
	Ba	137	**0.335**	ppb
>	Tb	159		ppb
	Tl	205	**0.062**	ppb
	Pb	208	**0.083**	ppb
>	Bi	209		ppb
	Mg	25	**50.209**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	103.738	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	101.303	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	98.980	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	99.822	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	103.011	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	104.243	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-003

Analyzed Date/Time: Monday, April 07, 2008 16:30:34
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\03767-003.025
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**0.138**	ppb
⌊	B	11	**170.409**	ppb
⌈	Na	23	**S**	ppm
|	Mg	24	**24.408**	ppm
|	Al	27	**393.787**	ppb
|	K	39	**9.735**	ppm
|	Ca	44	**202.336**	ppm
|>	Sc	45		ppb
|	Ti	47	**13.548**	ppb
|	V	51	**10.720**	ppb
|	Cr	52	**0.408**	ppb
|	Fe	54	**12.657**	ppm
|	Mn	55	**1266.768**	ppb
|	Co	59	**0.978**	ppb
|	Ni	60	**5.177**	ppb
|	Cu	65	**2.994**	ppb
⌊	Zn	66	**44.867**	ppb
⌈>	Ge	72		ppb
|	As	75	**3.522**	ppb
|	Se	77	**10.223**	ppb
|	Se	82	**1.300**	ppb
|	Cd	111	**0.116**	ppb
⌊	Cd	114	**0.106**	ppb
⌈	Mo	98	**0.605**	ppb
|>	Rh	103		ppb
|	Ag	107	**0.126**	ppb
⌊	Sn	118	**0.038**	ppb
⌈	Sb	121	**0.224**	ppb
|	Ba	137	**224.115**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**0.041**	ppb
|	Pb	208	**9.520**	ppb
⌊>	Bi	209		ppb
	Mg	25	**25051.041**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

CW 0369

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	94.755	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
\>	Sc	45	98.246	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	92.821	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
\>	Rh	103	89.811	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	100.319	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	91.881	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

>LRS Na

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-004

Analyzed Date/Time: Monday, April 07, 2008 16:34:22
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\03767-004.026
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	**Conc. Mean**	Units
⌈>	Li	6		ppb
|	Be	9	**0.260**	ppb
⌊	B	11	**278.174**	ppb
⌈	Na	23	**S**	ppm
|	Mg	24	**41.332**	ppm
|	Al	27	**504.158**	ppb
|	K	39	**10.987**	ppm
|	Ca	44	**234.505**	ppm
|>	Sc	45		ppb
|	Ti	47	**23.182**	ppb
|	V	51	**4.454**	ppb
|	Cr	52	**1.083**	ppb
|	Fe	54	**43.471**	ppm
|	Mn	55	**8534.248**	ppb
|	Co	59	**1.442**	ppb
|	Ni	60	**7.517**	ppb
|	Cu	65	**7.017**	ppb
⌊	Zn	66	**74.785**	ppb
⌈>	Ge	72		ppb
|	As	75	**1.297**	ppb
|	Se	77	**15.277**	ppb
|	Se	82	**1.427**	ppb
|	Cd	111	**0.622**	ppb
⌊	Cd	114	**0.576**	ppb
⌈	Mo	98	**0.417**	ppb
|>	Rh	103		ppb
|	Ag	107	**0.082**	ppb
⌊	Sn	118	**0.229**	ppb
⌈	Sb	121	**0.174**	ppb
|	Ba	137	**658.476**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**0.040**	ppb
|	Pb	208	**14.544**	ppb
⌊>	Bi	209		ppb
	Mg	25	**44898.928**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	87.701	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	92.832	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	88.607	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	82.892	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	93.939	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	85.238	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

>LRS Na

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: 03767-006

Analyzed Date/Time: Monday, April 07, 2008 16:38:10
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\03767-006.027
Sample Prep Volume (mL): 50
Aliquot Volume (mL): 1
Diluted To Volume (mL): 2

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**0.145**	ppb
⌊	B	11	**1381.632**	ppb
⌈	Na	23	**S**	ppm
|	Mg	24	**44.112**	ppm
|	Al	27	**1798.248**	ppb
|	K	39	**32.369**	ppm
|	Ca	44	**484.170**	ppm
|>	Sc	45		ppb
|	Ti	47	**23.048**	ppb
|	V	51	**18.772**	ppb
|	Cr	52	**1.976**	ppb
|	Fe	54	**6.852**	ppm
|	Mn	55	**1423.802**	ppb
|	Co	59	**5.468**	ppb
|	Ni	60	**15.532**	ppb
|	Cu	65	**45.932**	ppb
⌊	Zn	66	**131.957**	ppb
⌈>	Ge	72		ppb
|	As	75	**3.297**	ppb
|	Se	77	**35.282**	ppb
|	Se	82	**2.215**	ppb
|	Cd	111	**0.521**	ppb
⌊	Cd	114	**0.483**	ppb
⌈	Mo	98	**9.101**	ppb
|>	Rh	103		ppb
|	Ag	107	**0.186**	ppb
⌊	Sn	118	**0.265**	ppb
⌈	Sb	121	**0.232**	ppb
|	Ba	137	**920.345**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**0.054**	ppb
|	Pb	208	**4.073**	ppb
⌊>	Bi	209		ppb
	Mg	25	**44978.110**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	85.072	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	87.473	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	82.452	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	77.612	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	91.194	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	79.125	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

>LRS Na

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: CCV

Analyzed Date/Time: Monday, April 07, 2008 16:41:58
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\CCV.028
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
>	Li	6		ppb
	Be	9	**10.665**	ppb
	B	11	**60.632**	ppb
	Na	23	**12.280**	ppm
	Mg	24	**11.439**	ppm
	Al	27	**446.668**	ppb
	K	39	**10.975**	ppm
	Ca	44	**10.766**	ppm
>	Sc	45		ppb
	Ti	47	**51.506**	ppb
	V	51	**103.560**	ppb
	Cr	52	**19.682**	ppb
	Fe	54	**0.203**	ppm
	Mn	55	**30.565**	ppb
	Co	59	**94.842**	ppb
	Ni	60	**79.998**	ppb
	Cu	65	**49.647**	ppb
	Zn	66	**41.053**	ppb
>	Ge	72		ppb
	As	75	**21.200**	ppb
	Se	77	**11.476**	ppb
	Se	82	**11.065**	ppb
	Cd	111	**10.678**	ppb
	Cd	114	**11.302**	ppb
	Mo	98	**51.064**	ppb
>	Rh	103		ppb
	Ag	107	**18.601**	ppb
	Sn	118	**47.667**	ppb
	Sb	121	**118.150**	ppb
	Ba	137	**410.828**	ppb
>	Tb	159		ppb
	Tl	205	**18.492**	ppb
	Pb	208	**9.468**	ppb
>	Bi	209		ppb
	Mg	25	**11821.914**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	Int Std % Recovery	*QC Calculated Values* QC Std % Recovery
⌈>	Li	6	100.613	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	98.828	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	96.736	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	94.990	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	101.882	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	97.218	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

Integrated Analytical Laboratories, LLC.

273 Franklin Road, Randolph, NJ 07869

Method 6020

Sample ID: CCB

Analyzed Date/Time: Monday, April 07, 2008 16:46:01
Sample Type: Sample
Batch ID: 157
Method File: C:\elandata\Method\6020m.mth
Dataset File: C:\elandata\Dataset\pg157\CCB.029
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Units
⌈>	Li	6		ppb
|	Be	9	**0.048**	ppb
⌊	B	11	**1.751**	ppb
⌈	Na	23	**0.096**	ppm
|	Mg	24	**0.030**	ppm
|	Al	27	**2.364**	ppb
|	K	39	**0.031**	ppm
|	Ca	44	**0.041**	ppm
|>	Sc	45		ppb
|	Ti	47	**0.169**	ppb
|	V	51	**0.306**	ppb
|	Cr	52	**0.007**	ppb
|	Fe	54	**0.001**	ppm
|	Mn	55	**0.266**	ppb
|	Co	59	**0.217**	ppb
|	Ni	60	**0.133**	ppb
|	Cu	65	**0.032**	ppb
⌊	Zn	66	**0.210**	ppb
⌈>	Ge	72		ppb
|	As	75	**0.086**	ppb
|	Se	77	**0.147**	ppb
|	Se	82	**0.120**	ppb
|	Cd	111	**0.037**	ppb
⌊	Cd	114	**0.039**	ppb
⌈	Mo	98	**0.357**	ppb
|>	Rh	103		ppb
|	Ag	107	**0.070**	ppb
⌊	Sn	118	**0.180**	ppb
⌈	Sb	121	**0.370**	ppb
|	Ba	137	**1.016**	ppb
⌊>	Tb	159		ppb
⌈	Tl	205	**0.051**	ppb
|	Pb	208	**0.028**	ppb
⌊>	Bi	209		ppb
	Mg	25	**33.347**	ppb
	Ge-1	72		ppb
	Kr	83		ppb
	In	115		ppb

Integrated Analytical Laboratories, LLC.
273 Franklin Road, Randolph, NJ 07869

	Analyte	Mass	*QC Calculated Values* Int Std % Recovery	QC Std % Recovery
⌈>	Li	6	102.143	
|	Be	9		
⌊	B	11		
⌈	Na	23		
|	Mg	24		
|	Al	27		
|	K	39		
|	Ca	44		
|>	Sc	45	98.931	
|	Ti	47		
|	V	51		
|	Cr	52		
|	Fe	54		
|	Mn	55		
|	Co	59		
|	Ni	60		
|	Cu	65		
⌊	Zn	66		
⌈>	Ge	72	97.937	
|	As	75		
|	Se	77		
|	Se	82		
|	Cd	111		
⌊	Cd	114		
⌈	Mo	98		
|>	Rh	103	97.983	
|	Ag	107		
⌊	Sn	118		
⌈	Sb	121		
|	Ba	137		
⌊>	Tb	159	100.345	
⌈	Tl	205		
|	Pb	208		
⌊>	Bi	209	99.154	
	Mg	25		
	Ge-1	72		
	Kr	83		
	In	115		

QC Out of Limits

Out of Limits Message

2008 PG: 157 METALS'S DIGESTION LOG

Date: 04/07/08 09:00

MATRIX: AQUEOUS | **PREP. SOLUTION** | **DATE** | **LOT #** | **ANALYSIS METHOD:** 6020 | **Hg DIG. DATE:**

DIGESTION METHOD: 3005A — NaCl: — 072756 — **Hg ANAL. METHOD:** 7471A

SPIKES: 0.5ml M187, 1.0ml M213 — Hydroxylamine: — 071243 — **LOT# HNO3:** 1107080 — **ICPMS ICV:** M160

Hg DIGESTION METHOD: 7471A — KMnO4: — 072874 — **LOT# H2SO4:** 071680 — **ICPMS Cal. Stds.:** M1212,M214

Hg SPIKE: 5.00 PPB M226 — K2S2O8: — 071159 — **LOT# HCL:** 073363

Hg ICV: 5.00 PPB M186

TEST REQUESTED	SAMPLE #	pH < 2	QC Y/N	MDL MOIST FACT	BASE wt / vol g / ml	BASE final vol ml	Hg wt / vol g / ml	Hg final vol ml	JAR #	RUSH DATE	COMMENTS	SILT (%)	*N
	BMW2				25	50	50	100					
	BSW2				25	50	50	100					
Pb	**03733-007**	*	Y		25	50			N1				
	03733-007R	*	Y		25	50			N1				
	03733-007RS	*	Y		25	50			N1				
Pb	**03678-001**	*	Y		25	50			N1			0.5	
Pb	**03733-001**	*	Y		25	50			N1	4/9		Trace	
Pb	**03733-002**	*	Y		25	50			N1			Trace	
Pb	**03733-003**	*	Y		25	50			N1			0.5	
Pb	**03733-004**	*	Y		25	50			N1			0.2	
Pb	**03733-005**	*	Y		25	50			N1				
Pb	**03733-006**	*	Y		25	50			N1			Trace	
Pb	**03733-008**	*	Y		25	50			N1				
Pb	**03733-009**	*	Y		25	50			N1				
Pb	**03733-010 fb**	*	Y		25	50			N1				
Pb	**03734-001**	*	Y		25	50			N1	4/9		0.5	
Pb	**03734-002**	*	Y		25	50			N1			0.2	
Pb	**03734-003**	*	Y		25	50			N1			Trace	
Pb	**03734-004**	*	Y		25	50			N1			Trace	
Pb	**03734-005**	*	Y		25	50			N1			Trace	
	BMW1				25	50							
	BSW1				25	50							
As Pb	**03767-001**	*	R		25	50			N1			Trace	
	03767-001R	*	R		25	50			N1				
	03767-001RS	*	R		25	50			N1				
As Pb	**03767-003**	*	R		25	50			N1			Trace	
Pb	**03767-004**	*	R		25	50			N1			0.2	
As Pb	**03767-006**	*	R		25	50			N1			0.2	
As Pb	**03767-007 fb**	*	R		25	50			N1				
As	**03756-001**	*	N		25	50			N1				

0382

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER	
Company:	ENVIT
Address:	Parsippany, NJ
Telephone #:	
Fax #:	
Project Manager:	R. Edgar
Sampler:	L. Tagger ML Santos
Project Name:	Warehouse
Project Location (State):	NY
Bottle Order #:	
Quote # :	

REPORTING INFO	
REPORT TO:	
Address:	R. Edgar Parsippany, NJ
Attn:	
FAX #	
INVOICE TO:	
Address:	
Attn:	
PO #	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

* Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. ** RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

SEE BELOW (under comments section for explanation)

Verbal/Fax 24 hr* 48 hr* 2 wk/Std 72 hr* 1 wk*

Hard Copy 3 wk/Std

Other *call for price

Results needed by: STL / Std

Rush TAT Charge **
24 hr - 100%...
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format
Results Only
Reduced
Regulatory - 15% Surcharge applies
Other (describe)

DISKETTE
SRP. dbf format
SRP.wk1 format
lab approved custom EDD
NO DISK/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #
MW-6		4/3/08	11:11	AQ	5	1
MW-5			1354		4	2
MW-4			12:26		5	3
MW-3			1326		5	4
MW-2			1521		4	5
MW-1			1446		3	6
FIELD BLANK		4/3/08	1200	AQ	5	7
TRIP BLANK		4/3/08	0700	AQ	2	8

ANALYTICAL PARAMETERS

Client ID	* Volatiles	* Semi Volatiles	Arsenic	Lead	VO	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
MW-6	✓	✓	✓	✓		2		1				2	
MW-5	✓	✓				2						2	
MW-4	✓	✓	✓	✓		2		1				2	
MW-3	✓	✓		✓		2		1				2	
MW-2	✓	✓		✓		2						2	
MW-1	✓		✓	✓		2		1					
FIELD BLANK	✓	—	—	—		2		1				2	
TRIP BLANK					✓	2							

 # BOTTLES & PRESERVATIVES

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

Signature/Company	Date	Time	Signature/Company
Relinquished by: [signature]	4/4/08	16:15	Received by: [signature]
Relinquished by: [signature]	4/4/08	18:00	Received by: [signature]
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:
* Star List

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2
QAM-025 (OQA-QAM025) - used for: all other fuel oils and unknown contamination

Lab Case # 3767

PAGE: 1 of 1

5 COPIES - WHITE & YELLOW; CLIENT COPY - PINK

01/2007 rev

PROJECT INFORMATION

E 0 8 - 0 3 7 6 7

Case No. E08-03767 **Project** 1 WAREHOUSE

Customer	EWMA - HQ	**P.O. #**	
Contact	Rob Edgar	**Received**	4/4/2008 18:00
EMail	Robert.Edgar@ewma.com ☐ EMail EDDs	**Verbal Due**	4/21/2008
Phone	(973) 560-1400 x159 **Fax** 1(973) 560-0400	**Report Due**	4/28/2008

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Rob Edgar

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Rob Edgar

Report Format Regulatory

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
03767-001	MW-6	n/a	4/3/2008@11:11	Aqueous	ug/L	5
03767-002	MW-5	n/a	4/3/2008@13:56	Aqueous	ug/L	4
03767-003	MW-4	n/a	4/3/2008@12:26	Aqueous	ug/L	5
03767-004	MW-3	n/a	4/3/2008@13:26	Aqueous	ug/L	5
03767-005	MW-2	n/a	4/3/2008@15:21	Aqueous	ug/L	4
03767-006	MW-1	n/a	4/3/2008@14:46	Aqueous	ug/L	3
03767-007	FIELD BLANK	n/a	4/3/2008@12:00	Aqueous	ug/L	5
03767-008	TRIP BLANK	n/a	4/3/2008	Aqueous	ug/L	2

Sample #	Tests	Status	QA Method
001	Stars VO List	Run	8260B
"	Stars BN List	Run	8270C
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020
002	Stars VO List	Run	8260B
"	Stars BN List	Run	8270C
003	Stars VO List	Run	8260B
"	Stars BN List	Run	8270C
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020
004	Stars VO List	Run	8260B
"	Stars BN List	Run	8270C
"	Lead - Pb	In Process	6020
005	Stars VO List	Run	8260B
"	Stars BN List	Run	8270C
006	Stars VO List	Run	8260B
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020
007	Stars VO List	Run	8260B
"	Stars BN List	Run	8270C
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020

PROJECT INFORMATION

Case No. E08-03767 **Project** 1 WAREHOUSE

Sample #	Tests	Status	QA Method
008	Stars VO List	Run	8260B

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 08** **03767** CLIENT: TLWMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

COC: (COMPLETE) / INCOMPLETE **Comments**

KEY
✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 4/4/08

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ ] DATE 04/07/08

0386

REV 02/05

Laboratory Custody Chronicle

IAL Case No.
E08-03767

Client EWMA - HQ

Project 1 WAREHOUSE

Received On 4/ 4/2008@18:00

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Stars VO List	03767-001	Aqueous	n/a	n/a	4/ 8/08	Xing
"	-002	"	n/a	n/a	4/ 8/08	Xing
"	-003	"	n/a	n/a	4/ 8/08	Xing
"	-004	"	n/a	n/a	4/ 8/08	Xing
"	-005	"	n/a	n/a	4/ 8/08	Xing
"	-006	"	n/a	n/a	4/ 8/08	Xing
"	-007	"	n/a	n/a	4/ 8/08	Xing
"	-008	"	n/a	n/a	4/ 8/08	Xing

Department: Semivolatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Stars BN List	-001	Aqueous	4/ 9/08	Kou-Liang	4/11/08	JC
"	-002	"	4/ 9/08	Kou-Liang	4/11/08	JC
"	-003	"	4/ 9/08	Kou-Liang	4/11/08	JC
"	-004	"	4/ 9/08	Kou-Liang	4/11/08	JC
"	-005	"	4/ 9/08	Kou-Liang	4/11/08	JC
"	-007	"	4/ 9/08	Kou-Liang	4/11/08	JC

Department: Metals			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Arsenic - As	-001	Aqueous	4/ 7/08	Lisa	4/ 7/08	Helge
"	-003	"	4/ 7/08	Lisa	4/ 7/08	Helge
"	-006	"	4/ 7/08	Lisa	4/ 7/08	Helge
"	-007	"	4/ 7/08	Lisa	4/ 7/08	Helge
Lead - Pb	-001	Aqueous	4/ 7/08	Lisa	4/ 7/08	Helge
"	-003	"	4/ 7/08	Lisa	4/ 7/08	Helge
"	-004	"	4/ 7/08	Lisa	4/ 7/08	Helge
"	-006	"	4/ 7/08	Lisa	4/ 7/08	Helge
"	-007	"	4/ 7/08	Lisa	4/ 7/08	Helge

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

VOLUNTARY CLEANUP PROGRAM GROUND WATER – REMEDIAL INVESTIGATION REPORT

Property Known As:

1 Warehouse Lane
Elmsford Village, Westchester County, New York
Spill Nos. 8901621 and 9204142
EWMA Job #200385
March 2011

APPENDIX V

May 2008 Ground Water Sampling Laboratory Analytical Report

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **ELMSFORD PARK 200385**
IAL Case Number: **E08-05064**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00026), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E08-05064

Client EWMA - HQ

Project ELMSFORD PARK 200385

Received On 5/ 6/2008@17:00

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
05064-001	MW-1	n/a	5/ 5/2008@14:01	Aqueous	3
05064-002	MW-2	n/a	5/ 5/2008@13:30	Aqueous	4
05064-003	MW-3	n/a	5/ 5/2008@11:11	Aqueous	5
05064-004	MW-4	n/a	5/ 5/2008@11:56	Aqueous	5
05064-005	MW-5	n/a	5/ 5/2008@12:56	Aqueous	4
05064-006	MW-6	n/a	5/ 5/2008@10:35	Aqueous	5
05064-007	FIELD BLANK	n/a	5/ 5/2008@12:00	Aqueous	5
05064-008	TRIP BLANK	n/a	5/ 5/2008	Aqueous	2
05064-009	MW-2 VO 1	n/a	5/ 5/2008	Aqueous	1
05064-010	MW-2 VO 2	n/a	5/ 5/2008	Aqueous	1
05064-011	MW-2 VO 3	n/a	5/ 5/2008	Aqueous	1
05064-012	MW-2 VO 4	n/a	5/ 5/2008	Aqueous	1

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

	Page
Qualifiers	1
Conformance / NonConformance Summary	2
Laboratory Deliverables Check List	3
GC/MS NonConformance Summary	4
Metal NonConformance Summary	5
Summary Report	6
Analytical Results	
Volatiles	10
Semivolatiles	29
Metals	35
Methodology Summary *	
Quality Control	
Volatiles	37
Tuning Results Summary	
Method Blank Results Summary	
Calibration Summary	
Surrogate Compound Recovery Results Summary	
Matrix Spike/Matrix Spike Duplicate Results Summary	
Internal Standard Summary	
Chromatograms	
Semivolatiles	134
Tuning Results Summary	
Method Blank Results Summary	
Calibration Summary	
Surrogate Compound Recovery Results Summary	
Matrix Spike/Matrix Spike Duplicate Results Summary	
Internal Standard Summary	
Chromatograms	
Metals	173
Method Blank Results Summary	
Calibration Summary	
Spike Sample Results Summary	
Duplicate Sample Results Summary	
Sample Tracking	
Chains of Custody	184
Laboratory Chronicle	188

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received twelve (12) aqueous sample(s) from Environmental Waste Management Associates, LLC. (Project: ELMSFORD PARK 200385) on May 6, 2008 for the analysis of:

(9) Stars VO List + 10
(1) Stars VO List
(6) Stars BN List
(4) Metal - Arsenic
(5) Metal - Lead

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

5/20/08
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E08-05064

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

Jacqueline A Berg
QC Reviewed by

5/20/08
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E08 - 5064

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

5/9/08
Date

rev 01/08

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E08 - 5064

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction		
b. Acid Fraction		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction		
b. Acid Fraction		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction		
b. Acid Fraction		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
11. Analysis Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

5/13/08
Date

0005

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E08-05064

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

05064-006: Trace

H. Falek-Jorgensen
Inorganic Manager

May 9, 2008
Date

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: ELMSFORD PARK 200385
Lab Case No.: E08-05064

	Lab ID:	05064-001			05064-002			05064-003			05064-004		
	Client ID:	MW-1			MW-2			MW-3			MW-4		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	5/5/08			5/5/08			5/5/08			5/5/08		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles - Stars list (Units)								*(ug/L-ppb)*			*(ug/L-ppb)*		
Methyl tert-butyl ether (MTBE)		~	~		~	~		6.19		0.250	1.18		0.250
Benzene		~	~		~	~		66.9		0.280	3.21		0.280
Toluene		~	~		~	~		9.20		0.220	0.524		0.220
Ethylbenzene		~	~		~	~		47.2		0.230	0.974		0.230
Total Xylenes		~	~		~	~		31.2		0.850	ND		0.850
Isopropylbenzene		~	~		~	~		68.8		0.200	9.54		0.200
n-Propylbenzene		~	~		~	~		109		0.210	12.3		0.210
1,3,5-Trimethylbenzene		~	~		~	~		3.49		0.230	ND		0.230
tert-Butylbenzene		~	~		~	~		ND		0.310	ND		0.310
1,2,4-Trimethylbenzene		~	~		~	~		3.53		0.210	ND		0.210
sec-Butylbenzene		~	~		~	~		11.3		0.210	2.64		0.210
4-Isopropyltoluene		~	~		~	~		1.23		0.190	ND		0.190
n-Butylbenzene		~	~		~	~		18.4		0.240	2.71		0.240
Naphthalene		~	~		~	~		18.2		0.370	2.59		0.370
TOTAL VO's:								395			35.7		
TOTAL TIC's:		~	~		~	~		1400			372		
TOTAL VO's & TIC's:		~	~		~	~		1800			408		
Semivolatiles - BNA (Units)					*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Acenaphthene		~	~		36.5		0.412	58.1		0.206	4.49		0.206
Fluorene		~	~		11.7		0.376	23.3		0.188	2.73		0.188
Phenanthrene		~	~		5.22		0.400	27.3		0.200	1.25		0.200
Anthracene		~	~		ND		0.182	1.04		0.091	0.249		0.091
Fluoranthene		~	~		ND		0.444	2.97		0.222	0.437		0.222
Pyrene		~	~		ND		0.352	2.18		0.176	0.509		0.176
Benzo[a]anthracene		~	~		ND		0.600	ND		0.300	0.228	J	0.300
Chrysene		~	~		ND		0.234	ND		0.117	0.271		0.117
Benzo[b]fluoranthene		~	~		ND		0.500	ND		0.250	ND		0.250
Benzo[k]fluoranthene		~	~		ND		0.760	ND		0.380	ND		0.380
Benzo[a]pyrene		~	~		ND		0.500	ND		0.250	ND		0.250
Indeno[1,2,3-cd]pyrene		~	~		ND		0.380	ND		0.190	ND		0.190
Dibenz[a,h]anthracene		~	~		ND		0.580	ND		0.290	ND		0.290
Benzo[g,h,i]perylene		~	~		ND		0.430	ND		0.215	ND		0.215
Metals (Units)		*(ug/L-ppb)*						*(ug/L-ppb)*			*(ug/L-ppb)*		
Arsenic		4.64		2.00	~	~		~	~		3.19		2.00
Lead		ND		2.00	~	~		6.01		2.00	ND		2.00

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: ELMSFORD PARK 200385
Lab Case No.: E08-05064

	Lab ID:	05064-005		05064-006		05064-007		05064-008	
	Client ID:	MW-5		MW-6		FIELD BLANK		TRIP BLANK	
	Matrix:	Aqueous		Aqueous		Aqueous		Aqueous	
	Sampled Date	5/5/08		5/5/08		5/5/08		5/5/08	
PARAMETER(Units)		Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
Volatiles - Stars list (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*	
Methyl tert-butyl ether (MTBE)		9.30	0.250	ND	0.250	ND	0.250	ND	0.250
Benzene		0.533	0.280	ND	0.280	ND	0.280	ND	0.280
Toluene		ND	0.220	ND	0.220	ND	0.220	ND	0.220
Ethylbenzene		ND	0.230	ND	0.230	ND	0.230	ND	0.230
Total Xylenes		ND	0.850	ND	0.850	ND	0.850	ND	0.850
Isopropylbenzene		ND	0.200	ND	0.200	ND	0.200	ND	0.200
n-Propylbenzene		ND	0.210	ND	0.210	ND	0.210	ND	0.210
1,3,5-Trimethylbenzene		ND	0.230	ND	0.230	ND	0.230	ND	0.230
tert-Butylbenzene		ND	0.310	ND	0.310	ND	0.310	ND	0.310
1,2,4-Trimethylbenzene		ND	0.210	ND	0.210	ND	0.210	ND	0.210
sec-Butylbenzene		ND	0.210	ND	0.210	ND	0.210	ND	0.210
4-Isopropyltoluene		ND	0.190	ND	0.190	ND	0.190	ND	0.190
n-Butylbenzene		ND	0.240	ND	0.240	ND	0.240	ND	0.240
Naphthalene		2.24	0.370	ND	0.370	ND	0.370	ND	0.370
TOTAL VO's:		12.1		ND		ND		ND	
TOTAL TIC's:		35.4		ND		ND		~	
TOTAL VO's & TIC's:		47.5		ND		ND		NA	
Semivolatiles - BNA (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*			
Acenaphthene		1.64	0.206	ND	0.206	ND	0.206	~	~
Fluorene		0.326	0.188	ND	0.188	ND	0.188	~	~
Phenanthrene		0.377	0.200	ND	0.200	ND	0.200	~	~
Anthracene		0.205	0.091	ND	0.091	ND	0.091	~	~
Fluoranthene		0.230	0.222	ND	0.222	ND	0.222	~	~
Pyrene		0.453	0.176	ND	0.176	ND	0.176	~	~
Benzo[a]anthracene		0.272 J	0.300	ND	0.300	ND	0.300	~	~
Chrysene		0.215	0.117	ND	0.117	ND	0.117	~	~
Benzo[b]fluoranthene		ND	0.250	ND	0.250	ND	0.250	~	~
Benzo[k]fluoranthene		ND	0.380	ND	0.380	ND	0.380	~	~
Benzo[a]pyrene		ND	0.250	ND	0.250	ND	0.250	~	~
Indeno[1,2,3-cd]pyrene		ND	0.190	ND	0.190	ND	0.190	~	~
Dibenz[a,h]anthracene		ND	0.290	ND	0.290	ND	0.290	~	~
Benzo[g,h,i]perylene		ND	0.215	ND	0.215	ND	0.215	~	~
Metals (Units)				*(ug/L-ppb)*		*(ug/L-ppb)*			
Arsenic		~	~	6.50	2.00	ND	2.00	~	~
Lead		~	~	2.70	2.00	ND	2.00	~	~

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: ELMSFORD PARK 200385
Lab Case No.: E08-05064

	Lab ID:	05064-009			05064-010			05064-011			05064-012		
	Client ID:	MW-2 VO 1			MW-2 VO 2			MW-2 VO 3			MW-2 VO 4		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	5/5/08			5/5/08			5/5/08			5/5/08		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles - Stars list (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Methyl tert-butyl ether (MTBE)		7.87		0.500	7.92		0.500	ND		0.250	ND		0.250
Benzene		3.37		0.560	3.37		0.560	ND		0.280	ND		0.280
Toluene		ND		0.440	ND		0.440	ND		0.220	ND		0.220
Ethylbenzene		2.59		0.460	2.70		0.460	ND		0.230	ND		0.230
Total Xylenes		6.09		1.70	6.26		1.70	ND		0.850	ND		0.850
Isopropylbenzene		ND		0.400	ND		0.400	ND		0.200	ND		0.200
n-Propylbenzene		ND		0.420	ND		0.420	ND		0.210	ND		0.210
1,3,5-Trimethylbenzene		ND		0.460	ND		0.460	ND		0.230	ND		0.230
tert-Butylbenzene		ND		0.620	ND		0.620	ND		0.310	ND		0.310
1,2,4-Trimethylbenzene		3.89		0.420	3.87		0.420	ND		0.210	ND		0.210
sec-Butylbenzene		ND		0.420	ND		0.420	ND		0.210	ND		0.210
4-Isopropyltoluene		ND		0.380	ND		0.380	ND		0.190	ND		0.190
n-Butylbenzene		ND		0.480	ND		0.480	ND		0.240	ND		0.240
Naphthalene		318		0.740	325		0.740	ND		0.370	ND		0.370
TOTAL VO's:		342			349			ND			ND		
TOTAL TIC's:		455			455			ND			ND		
TOTAL VO's & TIC's:		797			804			ND			ND		

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-003
Client ID: MW-3
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5178.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	6.19		0.250
Benzene	66.9		0.280
Toluene	9.20		0.220
Ethylbenzene	47.2		0.230
Total Xylenes	31.2		0.850
Isopropylbenzene	68.8		0.200
n-Propylbenzene	109		0.210
1,3,5-Trimethylbenzene	3.49		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	3.53		0.210
sec-Butylbenzene	11.3		0.210
4-Isopropyltoluene	1.23		0.190
n-Butylbenzene	18.4		0.240
Naphthalene	18.2		0.370

Total Target Compounds: 395

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-003
Client ID: MW-3
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Date File: J5178.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown cyclic hydrocarbon	57.4	5.45
	Unknown aromatic	446	13.49
	Unknown aromatic	90.5	14.06
	Unknown aromatic	159	14.20
	Unknown aromatic	105	14.54
	Unknown aromatic	116	14.90
	Unknown aromatic	167	15.08
	Unknown aromatic	48.4	16.91
	Unknown aromatic	145	17.11
	Unknown	66.9	19.41

Total TICs = 1400

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-004
Client ID: MW-4
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5179.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	1.18		0.250
Benzene	3.21		0.280
Toluene	0.524		0.220
Ethylbenzene	0.974		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	9.54		0.200
n-Propylbenzene	12.3		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	2.64		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	2.71		0.240
Naphthalene	2.59		0.370

Total Target Compounds: 35.7

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-004
Client ID: MW-4
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Date File: J5179.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown cyclic hydrocarbon	13.1	5.45
	Unknown aromatic	72.1	13.48
	Unknown aromatic	40.9	14.20
	Unknown aromatic	26.8	14.54
	Unknown aromatic	21.4	14.90
	Unknown aromatic	44.2	15.08
	Unknown aromatic	25.9	15.60
	Unknown aromatic	17.3	16.34
	Unknown aromatic	91.7	17.11
	Unknown aromatic	18.3	18.34

Total TICs = 372

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-005
Client ID: MW-5
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5180.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	9.30		0.250
Benzene	0.533		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	2.24		0.370
Total Target Compounds:	12.1		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-005
Client ID: MW-5
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Date File: J5180.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown aromatic	24.5	13.49
	Unknown aromatic	5.30	15.60
	Unknown aromatic	5.60	17.12

Total TICs = 35.4

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-006
Client ID: MW-6
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5181.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-006
Client ID: MW-6
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5181.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time

No peaks detected

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-007
Client ID: FIELD_BLANK
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5173.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD_PARK

Lab ID: 05064-007
Client ID: FIELD_BLANK
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5173.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-008
Client ID: TRIP_BLANK
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5174.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-009
Client ID: MW-2_VO_1
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5182.D

GC/MS Column: DB-624
Sample wt/vol: 2.5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 2
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	7.87		0.500
Benzene	3.37		0.560
Toluene	ND		0.440
Ethylbenzene	2.59		0.460
Total Xylenes	6.09		1.70
Isopropylbenzene	ND		0.400
n-Propylbenzene	ND		0.420
1,3,5-Trimethylbenzene	ND		0.460
tert-Butylbenzene	ND		0.620
1,2,4-Trimethylbenzene	3.89		0.420
sec-Butylbenzene	ND		0.420
4-Isopropyltoluene	ND		0.380
n-Butylbenzene	ND		0.480
Naphthalene	318		0.740

Total Target Compounds: 342

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-009
Client ID: MW-2_VO_1
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Date File: J5182.D

GC/MS Column: DB-624
Sample wt/vol: 2.5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 2
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown aromatic	214	13.49
	Unknown aromatic	10.4	13.76
	Unknown aromatic	14.8	14.61
	Unknown aromatic	11.4	15.08
	Unknown	14.0	15.88
	Unknown aromatic	108	16.91
	Unknown aromatic	64.8	17.11
	Unknown	17.6	19.41

Total TICs = 455

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-010
Client ID: MW-2_VO_2
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5183.D

GC/MS Column: DB-624
Sample wt/vol: 2.5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 2
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	7.92		0.500
Benzene	3.37		0.560
Toluene	ND		0.440
Ethylbenzene	2.70		0.460
Total Xylenes	6.26		1.70
Isopropylbenzene	ND		0.400
n-Propylbenzene	ND		0.420
1,3,5-Trimethylbenzene	ND		0.460
tert-Butylbenzene	ND		0.620
1,2,4-Trimethylbenzene	3.87		0.420
sec-Butylbenzene	ND		0.420
4-Isopropyltoluene	ND		0.380
n-Butylbenzene	ND		0.480
Naphthalene	325		0.740

Total Target Compounds: 349

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-010
Client ID: MW-2_VO_2
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Date File: J5183.D

GC/MS Column: DB-624
Sample wt/vol: 2.5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 2
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown aromatic	215	13.49
	Unknown aromatic	14.8	14.61
	Unknown aromatic	11.8	15.08
	Unknown	14.2	15.88
	Unknown aromatic	112	16.91
	Unknown aromatic	67.8	17.11
	Unknown	19.6	19.41

Total TICs = 455

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-011
Client ID: MW-2_VO_3
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5184.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD_PARK

Lab ID: 05064-011
Client ID: MW-2_VO_3
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5184.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-012
Client ID: MW-2_VO_4
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5185.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/ELMSFORD_PARK

Lab ID: 05064-012
Client ID: MW-2_VO_4
Date Received: 05/06/2008
Date Analyzed: 05/08/2008
Data file: J5185.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-002
Client ID: MW-2
Date Received: 05/06/2008
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7350.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 2
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	36.5		0.412
Fluorene	11.7		0.376
Phenanthrene	5.22		0.400
Anthracene	ND		0.182
Fluoranthene	ND		0.444
Pyrene	ND		0.352
Benzo[a]anthracene	ND		0.600
Chrysene	ND		0.234
Benzo[b]fluoranthene	ND		0.500
Benzo[k]fluoranthene	ND		0.760
Benzo[a]pyrene	ND		0.500
Indeno[1,2,3-cd]pyrene	ND		0.380
Dibenz[a,h]anthracene	ND		0.580
Benzo[g,h,i]perylene	ND		0.430

Total Target Compounds: 53.4

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-003
Client ID: MW-3
Date Received: 05/06/2008
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7351.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	58.1		0.206
Fluorene	23.3		0.188
Phenanthrene	27.3		0.200
Anthracene	1.04		0.091
Fluoranthene	2.97		0.222
Pyrene	2.18		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 115

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-004
Client ID: MW-4
Date Received: 05/06/2008
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7352.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	4.49		0.206
Fluorene	2.73		0.188
Phenanthrene	1.25		0.200
Anthracene	0.249		0.091
Fluoranthene	0.437		0.222
Pyrene	0.509		0.176
Benzo[a]anthracene	0.228	J	0.300
Chrysene	0.271		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215
Total Target Compounds:	10.2	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-005
Client ID: MW-5
Date Received: 05/06/2008
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7353.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	1.64		0.206
Fluorene	0.326		0.188
Phenanthrene	0.377		0.200
Anthracene	0.205		0.091
Fluoranthene	0.230		0.222
Pyrene	0.453		0.176
Benzo[a]anthracene	0.272	J	0.300
Chrysene	0.215		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215
Total Target Compounds:	3.72	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-006
Client ID: MW-6
Date Received: 05/06/2008
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7354.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	ND		0.206
Fluorene	ND		0.188
Phenanthrene	ND		0.200
Anthracene	ND		0.091
Fluoranthene	ND		0.222
Pyrene	ND		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/ELMSFORD PARK

Lab ID: 05064-007
Client ID: FIELD_BLANK
Date Received: 05/06/2008
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7355.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Acenaphthene	ND		0.206
Fluorene	ND		0.188
Phenanthrene	ND		0.200
Anthracene	ND		0.091
Fluoranthene	ND		0.222
Pyrene	ND		0.176
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Arsenic

Client/Project: EWMA/ELMSFORD PARK 200385

Batch #: 212
Date Received: 05/06/08 17:00
Method: 6020

Lab ID	Client ID	Result	Q	DF	Matrix	MDL	% Moist	Date Analyzed
05064-001	MW-1	4.64		1	Aqueous-ug/L	2.00	100	05/08/08
05064-004	MW-4	3.19		1	Aqueous-ug/L	2.00	100	05/08/08
05064-006	MW-6	6.50		1	Aqueous-ug/L	2.00	100	05/08/08
05064-007	FIELD BLANK	ND		1	Aqueous-ug/L	2.00	100	05/08/08

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Lead

Client/Project: EWMA/ELMSFORD PARK 200385

Batch #: 212
Date Received: 05/06/08 17:00
Method: 6020

Lab ID	Client ID	Result	Q	DF	Matrix	MDL	% Moist	Date Analyzed
05064-001	MW-1	ND		1	Aqueous-ug/L	2.00	100	05/08/08
05064-003	MW-3	6.01		1	Aqueous-ug/L	2.00	100	05/08/08
05064-004	MW-4	ND		1	Aqueous-ug/L	2.00	100	05/08/08
05064-006	MW-6	2.70		1	Aqueous-ug/L	2.00	100	05/08/08
05064-007	FIELD BLANK	ND		1	Aqueous-ug/L	2.00	100	05/08/08

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J5114.D

BFB Injection Date: 05/06/2008

Inst ID: MSD_J

BFB Injection Time: 10:01

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	16.6			
75	30.0 - 60.0% of mass 95	48.5			
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	Great than 50.0% of mass 95	95.1			
175	5.0 - 9.0% of mass 174	6.7	(	7.0	)1
176	95.0 - 101.0% of mass 174	90.9	(	95.6	)1
177	5.0 - 9.0% of mass 176	5.9	(	6.5	)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 ID	File ID	Date Analyzed	Time Analyzed
5PPB	STD-5PPB	J5117.D	05/06/2008	11:22
20PPB	STD-20PPB	J5119.D	05/06/2008	12:19
100PPB	STD-100PPB	J5121.D	05/06/2008	1:13
150PPB	STD-150PPB	J5122.D	05/06/2008	1:40
200PPB	STD-200PPB	J5123.D	05/06/2008	2:07
1PPB	STD-1PPB	J5126.D	05/06/2008	3:29
NA	METHOD-BLK	J5127.D	05/06/2008	3:56
BLDG_710	04833-001	J5128.D	05/06/2008	4:24
LCS-50PPB	BLK-SPK	J5129.D	05/06/2008	4:51
MS	WATER-MS	J5130.D	05/06/2008	5:18
MSD	WATER-MSD	J5131.D	05/06/2008	5:46
MW-517-34	04854-006	J5132.D	05/06/2008	6:14
MW-512-36	04854-020	J5133.D	05/06/2008	6:43
MW-513-45	04854-019DIL	J5134.D	05/06/2008	7:12
INITIAL-1_AQ.	04665-006	J5135.D	05/06/2008	7:41
INITIAL-2_AQ.	04665-007	J5136.D	05/06/2008	8:09
DRUM	04908-001	J5137.D	05/06/2008	8:38
FR-GW	04935-001	J5138.D	05/06/2008	9:06

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J5168.D

BFB Injection Date: 05/07/2008

Inst ID: MSD_J

BFB Injection Time: 9:55

m/z	Ion Abudance Criteria	%Relative Abundance	
50	15 - 40.0% of mass 95	17.8	
75	30.0 - 60.0% of mass 95	50.4	
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	Great than 50.0% of mass 95	88.4	
175	5.0 - 9.0% of mass 174	6.3 (7.1)1	
176	95.0 - 101.0% of mass 174	85.7 (97.0)1	
177	5.0 - 9.0% of mass 176	5.4 (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 ID	File ID	Date Analyzed	Time Analyzed
100PPB	STD-100PPB	J5169.D	05/07/2008	10:22
NA	METHOD-BLK	J5172.D	05/07/2008	11:43
FIELD_BLANK	05064-007	J5173.D	05/08/2008	12:10
TRIP_BLANK	05064-008	J5174.D	05/08/2008	12:37
LCS-50PPB	BLK-SPK	J5175.D	05/08/2008	1:04
MS	WATER-MS	J5176.D	05/08/2008	1:31
MSD	WATER-MSD	J5177.D	05/08/2008	1:58
MW-3	05064-003	J5178.D	05/08/2008	2:25
MW-4	05064-004	J5179.D	05/08/2008	2:52
MW-5	05064-005	J5180.D	05/08/2008	3:19
MW-6	05064-006	J5181.D	05/08/2008	3:45
MW-2_VO_1	05064-009	J5182.D	05/08/2008	4:12
MW-2_VO_2	05064-010	J5183.D	05/08/2008	4:39
MW-2_VO_3	05064-011	J5184.D	05/08/2008	5:06
MW-2_VO_4	05064-012	J5185.D	05/08/2008	5:33

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J5172.D Instrument ID: MSD_J

Date Analyzed: 05/07/2008 Time Analyzed: 11:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLANK	05064-007	05/08/2008	12:10
TRIP_BLANK	05064-008	05/08/2008	12:37
LCS-50PPB	BLK-SPK	05/08/2008	1:04
MS	WATER-MS	05/08/2008	1:31
MSD	WATER-MSD	05/08/2008	1:58
MW-3	05064-003	05/08/2008	2:25
MW-4	05064-004	05/08/2008	2:52
MW-5	05064-005	05/08/2008	3:19
MW-6	05064-006	05/08/2008	3:45
MW-2_VO_1	05064-009	05/08/2008	4:12
MW-2_VO_2	05064-010	05/08/2008	4:39
MW-2_VO_3	05064-011	05/08/2008	5:06
MW-2_VO_4	05064-012	05/08/2008	5:33

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 05/07/2008
Data file: J5172.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Methyl tert-butyl ether (MTBE)	ND		0.250
Benzene	ND		0.280
Toluene	ND		0.220
Ethylbenzene	ND		0.230
Total Xylenes	ND		0.850
Isopropylbenzene	ND		0.200
n-Propylbenzene	ND		0.210
1,3,5-Trimethylbenzene	ND		0.230
tert-Butylbenzene	ND		0.310
1,2,4-Trimethylbenzene	ND		0.210
sec-Butylbenzene	ND		0.210
4-Isopropyltoluene	ND		0.190
n-Butylbenzene	ND		0.240
Naphthalene	ND		0.370

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 05/07/2008
Data file: J5172.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

Response Factor Report MSD_J

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:04:11 2008
Response via : Initial Calibration

Calibration Files

5	=J5117.D	100	=J5121.D	20	=J5119.D
150	=J5122.D	200	=J5123.D	1	=J5126.D

		Compound (ppb)	5	100	20	150	200	1	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluoromet	0.571	0.608	0.626	0.559	0.551	0.690	0.601	8.73
3)	P	Chloromethane	0.790	0.656	0.717	0.611	0.584	0.759	0.686	11.99
4)	C	Vinyl chloride	0.671	0.585	0.620	0.550	0.554	0.589	0.595	7.61
5)	T	Bromomethane	0.505	0.363	0.418	0.321	0.304	0.527	0.406	23.12
6)	T	Chloroethane	0.378	0.300	0.342	0.288	0.290	0.339	0.323	11.15
7)	T	Trichlorofluorometh	0.956	0.838	0.954	0.766	0.852	1.092	0.910	12.70
8)	T	Acrolein	0.050	0.043	0.053	0.043	0.043	0.088	0.053	32.58
9)	MC	1,1-Dichloroethene	0.386	0.425	0.337	0.397	0.398	0.417	0.393	7.94
10)	T	Acetone	0.241	0.169	0.237	0.156	0.151	0.274	0.205	25.40
11)	T	Carbon disulfide	1.731	1.397	1.558	1.308	1.328	1.612	1.489	11.44
12)	T	Vinyl acetate	1.399	1.499	1.608	1.474	1.496	1.326	1.467	6.57
13)	T	Methylene chloride	0.595	0.442	0.539	0.412	0.414	0.548	0.492	16.04
14)	T	Acrylonitrile	0.213	0.156	0.194	0.166	0.164	0.355	0.208	36.25
15)	T	tert-Butyl alcohol	0.064	0.058	0.059	0.054	0.055	0.107	0.066	30.61
16)	T	trans-1,2-Dichloroe	0.586	0.496	0.581	0.476	0.474	0.607	0.537	11.37
17)	T	Methyl tert-butyl e	1.128	1.082	1.219	1.083	1.071	1.103	1.114	4.92
18)	P	1,1-Dichloroethane	0.932	0.817	0.921	0.804	0.819	0.867	0.860	6.49
19)	T	Diisopropyl ether (	1.246	1.415	1.508	1.403	1.437	1.107	1.352	10.93
20)	T	cis-1,2-Dichloroeth	0.448	0.511	0.525	0.502	0.507	0.453	0.491	6.55
21)	T	2,2-Dichloropropane	0.450	0.424	0.478	0.417	0.403	0.405	0.429	6.80
22)	T	2-Butanone (MEK)	0.213	0.225	0.257	0.216	0.217	0.239	0.228	7.37
23)	T	Bromochloromethane	0.316	0.280	0.316	0.274	0.279	0.289	0.292	6.50
25)	C	Chloroform	1.014	0.872	0.998	0.856	0.871	0.905	0.920	7.52
26)	T	1,1,1-Trichloroetha	0.825	0.718	0.804	0.702	0.719	0.711	0.747	7.19
27)	T	Carbon tetrachlorid	0.808	0.742	0.789	0.721	0.738	0.651	0.741	7.48
28)	T	1,1-Dichloropropene	0.626	0.657	0.682	0.631	0.638	0.629	0.644	3.37
29)	T	1,2-Dichloroethane	0.856	0.728	0.855	0.712	0.720	0.747	0.770	8.74
30)	S	1,2-Dichloroethane-	0.881	0.701	0.850	0.684	0.795	0.805	0.786	10.02
31)	I	1,4-Difluorobenzene	----------ISTD----------							
32)	M	Benzene	1.194	1.161	1.240	1.126	1.120	1.139	1.163	3.98
33)	M	Trichloroethene	0.294	0.316	0.308	0.310	0.316	0.306	0.308	2.66
34)	C	1,2-Dichloropropane	0.288	0.285	0.312	0.277	0.278	0.264	0.284	5.65
35)	T	Dibromomethane	0.200	0.194	0.216	0.188	0.190	0.199	0.198	5.07
36)	T	1,4-Dioxane	0.002	0.004	0.004	0.003	0.003	0.001	0.003	36.32
37)	T	Bromodichloromethan	0.429	0.424	0.443	0.416	0.427	0.366	0.417	6.39
38)	T	2-Chloroethyl vinyl	0.243	0.143	0.119	0.149	0.150	0.257	0.177	32.79
39)	T	cis-1,3-Dichloropro	0.385	0.490	0.462	0.489	0.496	0.332	0.442	15.41
40)	T	4-Methyl-2-pentanon	0.230	0.277	0.280	0.280	0.285	0.229	0.264	9.97
41)	S	Toluene-d8	1.181	1.150	1.157	1.164	1.171	1.098	1.153	2.53
42)	MC	Toluene	0.768	0.779	0.816	0.752	0.749	0.728	0.765	3.97
43)	T	trans-1,3-Dichlorop	0.355	0.477	0.437	0.480	0.485	0.299	0.422	18.45
44)	T	1,1,2-Trichloroetha	0.225	0.226	0.245	0.221	0.221	0.215	0.226	4.64
45)	T	Tetrachloroethene	0.336	0.368	0.363	0.351	0.349	0.377	0.357	4.18
46)	T	1,3-Dichloropropane	0.435	0.483	0.514	0.470	0.466	0.413	0.463	7.72
47)	T	2-Hexanone	0.154	0.219	0.219	0.219	0.226	0.146	0.197	18.67
48)	T	Dibromochloromethan	0.309	0.363	0.358	0.364	0.374	0.288	0.343	10.0042
49)	T	1,2-Dibromoethane (	0.283	0.309	0.316	0.309	0.312	0.264	0.299	6.88

50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	MP	Chlorobenzene	1.104	1.043	1.138	1.009	1.000	1.120	1.069	5.54
52)	T	1,1,1,2-Tetrachloro	0.389	0.396	0.417	0.391	0.391	0.373	0.393	3.59
53)	C	Ethylbenzene	1.429	1.728	1.764	1.678	1.661	1.340	1.600	10.84
54)	T	m,p-Xylene	0.625	0.678	0.741	0.645	0.629	0.504	0.637	12.28
55)	T	o-Xylene	0.491	0.676	0.682	0.649	0.639	0.394	0.588	20.11
56)	T	Styrene	0.912	1.176	1.228	1.131	1.108	0.678	1.039	19.94
57)	P	Bromoform	0.210	0.273	0.256	0.278	0.285	0.199	0.250	14.75
58)	T	Isopropylbenzene	0.946	1.549	1.412	1.540	1.561	0.838	1.307	25.11
59)	S	Bromofluorobenzene	0.774	0.784	0.800	0.782	0.786	0.749	0.779	2.16
60)	P	1,1,2,2-Tetrachloro	0.464	0.438	0.512	0.420	0.401	0.478	0.452	8.96
61)	T	Bromobenzene	0.477	0.511	0.540	0.489	0.479	0.494	0.498	4.80
62)	T	1,2,3-Trichloroprop	0.395	0.385	0.434	0.382	0.378	0.420	0.399	5.74
63)	T	n-Propylbenzene	1.681	2.183	2.193	2.147	2.135	1.566	1.984	14.23
64)	T	2-Chlorotoluene	1.487	1.353	1.363	1.341	1.337	1.040	1.320	11.24
65)	T	1,3,5-Trimethylbenz	1.322	1.674	1.676	1.636	1.624	1.048	1.497	17.20
66)	T	4-Chlorotoluene	1.487	1.616	1.716	1.561	1.552	1.233	1.528	10.69
67)	T	tert-Butylbenzene	0.920	1.478	1.352	1.441	1.434	0.893	1.253	21.68
68)	T	1,2,4-Trimethylbenz	1.431	1.793	1.842	1.753	1.735	0.976	1.589	20.96
69)	T	sec-Butylbenzene	1.487	2.125	2.011	2.059	2.044	1.263	1.832	19.79
70)	T	1,3-Dichlorobenzene	0.994	1.062	1.139	1.021	0.984	0.969	1.028	6.16
71)	T	4-Isopropyltoluene	1.350	1.870	1.847	1.805	1.771	1.038	1.614	21.16
72)	T	1,4-Dichlorobenzene	1.063	1.112	1.204	1.050	1.017	0.995	1.073	7.02
73)	T	n-Butylbenzene	0.527	0.867	0.842	0.821	0.800	0.472	0.722	24.12
74)	T	1,2-Dichlorobenzene	1.031	1.046	1.202	0.969	0.919	0.937	1.017	10.16
75)	T	1,2-Dibromo-3-chlor	0.079	0.101	0.096	0.101	0.101	0.080	0.093	11.56
76)	T	1,2,4-Trichlorobenz	0.385	0.710	0.602	0.687	0.654	0.376	0.569	26.41
77)	T	Hexachlorobutadiene	0.224	0.279	0.273	0.266	0.262	0.365	0.278	16.81
78)	T	Naphthalene	0.850	1.897	1.733	1.827	1.769	0.665	1.457	37.60
79)	T	1,2,3-Trichlorobenz	0.435	0.690	0.664	0.648	0.615	0.368	0.570	23.58
80)	T	1,1,2-Trichloro-1,2	0.400	0.270	0.243	0.242	0.355	0.385	0.316	22.96
81)	T	Methyl acetate	0.224	0.198	0.238	0.189	0.187	0.245	0.214	11.94
82)	T	Cyclohexane	0.552	0.482	0.465	0.463	0.464	0.723	0.525	19.61
83)	T	Methylcyclohexane	0.268	0.372	0.351	0.353	0.344	0.346	0.339	10.67

(#) = Out of Range

JAW0506.M Tue May 06 16:05:51 2008 MANAGER

Instrument ID: MSD_J
Method ID: JAW0506.M
Date: 05/06/2008

Average %RSD = 12.95

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5169.D
Acq On : 7 May 2008 10:22 pm
Sample : 100PPB,STD-100PPB,,A,5ml,100
Misc :
MS Integration Params: LSCINT.P

Vial: 28
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 35% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	84	0.01
2	T	Dichlorodifluoromethane	0.601	0.465	22.6	64	0.00
3	P	Chloromethane	0.686	0.594	13.4	76	0.01
4	C	Vinyl chloride	0.595	0.538	9.6	77	0.00
5	T	Bromomethane	0.406	0.365	10.1	84	0.00
6	T	Chloroethane	0.323	0.303	6.2	85	0.00
7	T	Trichlorofluoromethane	0.910	0.845	7.1	85	0.00
9	MC	1,1-Dichloroethene	0.393	0.461	-17.3	91	0.00
10	T	Acetone	0.205	0.178	13.2	88	0.00
11	T	Carbon disulfide	1.489	1.489	0.0	90	0.01
12	T	Vinyl acetate	1.467	1.336	8.9	75	0.01
13	T	Methylene chloride	0.492	0.489	0.6	93	0.00
14	T	Acrylonitrile	0.208	0.151	27.4	82	0.00
15	T	tert-Butyl alcohol (TBA)	0.066	0.050	24.2	73	0.00
16	T	trans-1,2-Dichloroethene	0.537	0.524	2.4	89	0.00
17	T	Methyl tert-butyl ether (MT	1.114	1.089	2.2	85	0.00
18	P	1,1-Dichloroethane	0.860	0.857	0.3	88	0.00
19	T	Diisopropyl ether (DIPE)	1.352	1.468	-8.6	87	0.00
20	T	cis-1,2-Dichloroethene	0.491	0.552	-12.4	91	0.00
21	T	2,2-Dichloropropane	0.429	0.334	22.1	66	0.00
22	T	2-Butanone (MEK)	0.228	0.214	6.1	80	0.00
23	T	Bromochloromethane	0.292	0.301	-3.1	90	0.00
25	C	Chloroform	0.920	0.959	-4.2	92	0.00
26	T	1,1,1-Trichloroethane	0.747	0.772	-3.3	90	0.00
27	T	Carbon tetrachloride	0.741	0.793	-7.0	90	0.01
28	T	1,1-Dichloropropene	0.644	0.702	-9.0	90	0.00
29	T	1,2-Dichloroethane (EDC)	0.770	0.808	-4.9	93	0.00
30	S	1,2-Dichloroethane-d4	0.786	0.718	8.7	86	0.01
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.01
32	M	Benzene	1.163	1.259	-8.3	92	0.00
33	M	Trichloroethene	0.308	0.358	-16.2	96	0.01
34	C	1,2-Dichloropropane	0.284	0.312	-9.9	93	0.00
35	T	Dibromomethane	0.198	0.211	-6.6	93	0.00
37	T	Bromodichloromethane	0.417	0.460	-10.3	92	0.00
38	T	2-Chloroethyl vinyl ether	0.177	0.134	24.3	80	0.00
39	T	cis-1,3-Dichloropropene	0.442	0.513	-16.1	89	0.01
40	T	4-Methyl-2-pentanone (MIBK)	0.264	0.274	-3.8	84	0.00
41	S	Toluene-d8	1.153	1.181	-2.4	87	0.00
42	MC	Toluene	0.765	0.849	-11.0	93	0.01
43	T	trans-1,3-Dichloropropene	0.422	0.498	-18.0	89	0.00
44	T	1,1,2-Trichloroethane	0.226	0.248	-9.7	93	0.00
45	T	Tetrachloroethene	0.357	0.399	-11.8	92	0.00
46	T	1,3-Dichloropropane	0.463	0.534	-15.3	94	0.00
47	T	2-Hexanone	0.197	0.215	-9.1	84	0.00

48	T	Dibromochloromethane	0.343	0.401	-16.9	94	0.00
49	T	1,2-Dibromoethane (EDB)	0.299	0.339	-13.4	93	0.01
50	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
51	MP	Chlorobenzene	1.069	1.142	-6.8	96	0.00
52	T	1,1,1,2-Tetrachloroethane	0.393	0.429	-9.2	96	0.00
53	C	Ethylbenzene	1.600	1.870	-16.9	95	0.00
54	T	m,p-Xylene	0.637	0.741	-16.3	96	0.00
55	T	o-Xylene	0.588	0.746	-26.9	97	0.00
56	T	Styrene	1.039	1.303	-25.4	98	0.00
57	P	Bromoform	0.250	0.292	-16.8	94	0.00
58	T	Isopropylbenzene	1.307	1.703	-30.3	97	0.00
59	S	Bromofluorobenzene	0.779	0.824	-5.8	93	0.00
60	P	1,1,2,2-Tetrachloroethane	0.452	0.451	0.2	91	0.00
61	T	Bromobenzene	0.498	0.572	-14.9	99	0.00
62	T	1,2,3-Trichloropropane	0.399	0.417	-4.5	95	0.00
63	T	n-Propylbenzene	1.984	2.407	-21.3	97	0.00
64	T	2-Chlorotoluene	1.320	1.504	-13.9	98	0.00
65	T	1,3,5-Trimethylbenzene	1.497	1.866	-24.6	98	0.01
66	T	4-Chlorotoluene	1.528	1.807	-18.3	99	0.00
67	T	tert-Butylbenzene	1.253	1.634	-30.4	97	0.00
68	T	1,2,4-Trimethylbenzene	1.589	2.003	-26.1	98	0.00
69	T	sec-Butylbenzene	1.832	2.322	-26.7	96	0.00
70	T	1,3-Dichlorobenzene	1.028	1.198	-16.5	99	0.00
71	T	4-Isopropyltoluene	1.614	2.042	-26.5	96	0.00
72	T	1,4-Dichlorobenzene	1.073	1.239	-15.5	98	0.00
73	T	n-Butylbenzene	0.722	0.923	-27.8	94	0.00
74	T	1,2-Dichlorobenzene	1.017	1.171	-15.1	99	0.00
75	T	1,2-Dibromo-3-chloropropane	0.093	0.104	-11.8	91	0.00
76	T	1,2,4-Trichlorobenzene	0.569	0.762	-33.9	95	0.00
77	T	Hexachlorobutadiene	0.278	0.280	-0.7	89	0.01
78	T	Naphthalene	1.457	1.949	-33.8	91	0.00
79	T	1,2,3-Trichlorobenzene	0.570	0.735	-28.9	94	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.316	0.259	18.0	85	0.00
81	T	Methyl acetate	0.214	0.188	12.1	84	0.00
82	T	Cyclohexane	0.525	0.445	15.2	81	0.00
83	T	Methylcyclohexane	0.339	0.331	2.4	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

J2411.D JAW0506.M Thu May 08 09:41:19 2008 MANAGER

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 05/07/2008

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J5172.D	106	93	94
05064-007	AQUEOUS	J5173.D	111	94	94
05064-008	AQUEOUS	J5174.D	114	95	95
BLK-SPK	AQUEOUS	J5175.D	96	101	103
WATER-MS	AQUEOUS	J5176.D	105	93	93
WATER-MSD	AQUEOUS	J5177.D	106	93	94
05064-003	AQUEOUS	J5178.D	90	99	97
05064-004	AQUEOUS	J5179.D	91	94	96
05064-005	AQUEOUS	J5180.D	93	92	95
05064-006	AQUEOUS	J5181.D	97	91	95
05064-009	AQUEOUS	J5182.D	98	91	96
05064-010	AQUEOUS	J5183.D	96	91	96
05064-011	AQUEOUS	J5184.D	96	92	95
05064-012	AQUEOUS	J5185.D	99	93	95

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	88-138	76-118
SMC2 = Toluene-d8	50 ppb	85-127	87-101
SMC3 = Bromofluorobenzene	50 ppb	88-126	87-105

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: NA

Batch No.: J0507

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	63.1	126	34 - 149
Benzene	50.0	0.0	55.5	111	45 - 136
Trichloroethene	50.0	0.0	54.3	109	40 - 147
Toluene	50.0	0.0	54.7	109	43 - 137
Chlorobenzene	50.0	0.0	55.5	111	45 - 144

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	67.3	135	7	19	34 - 149
Benzene	0.0	58.6	117	5	15	45 - 136
Trichloroethene	0.0	58.2	116	6	18	40 - 147
Toluene	0.0	58.4	117	7	16	43 - 137
Chlorobenzene	0.0	60.2	120	8	16	45 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J5121.D Date Analyzed: 05/06/2008

Instrument ID: MSD_J Time Analyzed: 1:13

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	358585		6.18		580451		7.00		536128		10.33	
	UPPER LIMIT	717170		6.68		1160902		7.50		1072256		10.83	
	LOWER LIMIT	179292.5		5.68		290225.5		6.50		268064		9.83	
	LAB SAMPLE ID												
01	STD-5PPB	272911		6.18		481289		7.00		437221		10.33	
02	STD-20PPB	275558		6.18		471145		7.00		423790		10.33	
03	STD-150PPB	385145		6.17		622253		6.99		576660		10.33	
04	STD-200PPB	397431		6.18		643917		6.99		605283		10.33	
05	STD-1PPB	312660		6.18		530705		7.00		456753		10.33	
06	METHOD-BLK	288449		6.18		502429		7.00		438550		10.33	
07	04833-001	279482		6.18		478228		7.00		423127		10.33	
08	BLK-SPK	293939		6.18		486153		7.00		448578		10.33	
09	WATER-MS	300711		6.18		524521		7.00		453906		10.33	
10	WATER-MSD	279415		6.18		490697		7.00		425636		10.33	
11	04854-006	251948		6.18		450112		7.00		393646		10.33	
12	04854-020	225878		6.18		406138		7.00		356878		10.33	
13	04854-019DIL	235806		6.18		415415		7.00		372555		10.33	
14	04665-006	232431		6.18		438255		7.00		380621		10.33	
15	04665-007	228624		6.18		434649		7.00		377455		10.33	
16	04908-001	232038		6.18		418214		7.00		373321		10.33	
17	04935-001	229410		6.18		418034		7.00		386394		10.33	
18													
19													
20													
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J5169.D Date Analyzed: 05/07/2008

Instrument ID: MSD_J Time Analyzed: 10:22

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	301482		6.18		493784		7.00		472444		10.33	
	UPPER LIMIT	602964		6.68		987568		7.50		944888		10.83	
	LOWER LIMIT	150741		5.68		246892		6.50		236222		9.83	
	LAB SAMPLE ID												
01	METHOD-BLK	264372		6.18		462554		7.00		409769		10.33	
02	05064-007	248676		6.18		449118		7.00		403392		10.33	
03	05064-008	231641		6.18		420961		7.00		376035		10.33	
04	BLK-SPK	275858		6.18		463923		7.00		430904		10.33	
05	WATER-MS	271594		6.18		480614		7.00		424049		10.33	
06	WATER-MSD	256988		6.18		466279		7.00		408292		10.33	
07	05064-003	338385		6.18		553343		7.00		525458		10.33	
08	05064-004	377815		6.18		624558		7.00		553337		10.33	
09	05064-005	390669		6.18		651199		7.00		563151		10.33	
10	05064-006	378508		6.18		638447		7.00		555135		10.33	
11	05064-009	348076		6.18		593628		7.00		515361		10.33	
12	05064-010	365045		6.18		614631		7.00		532326		10.33	
13	05064-011	374838		6.18		631788		7.00		552431		10.33	
14	05064-012	332262		6.18		564952		7.00		499113		10.33	
15													
16													
17													
18													
19													
20													
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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.

FORM 8

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 02:45:24 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

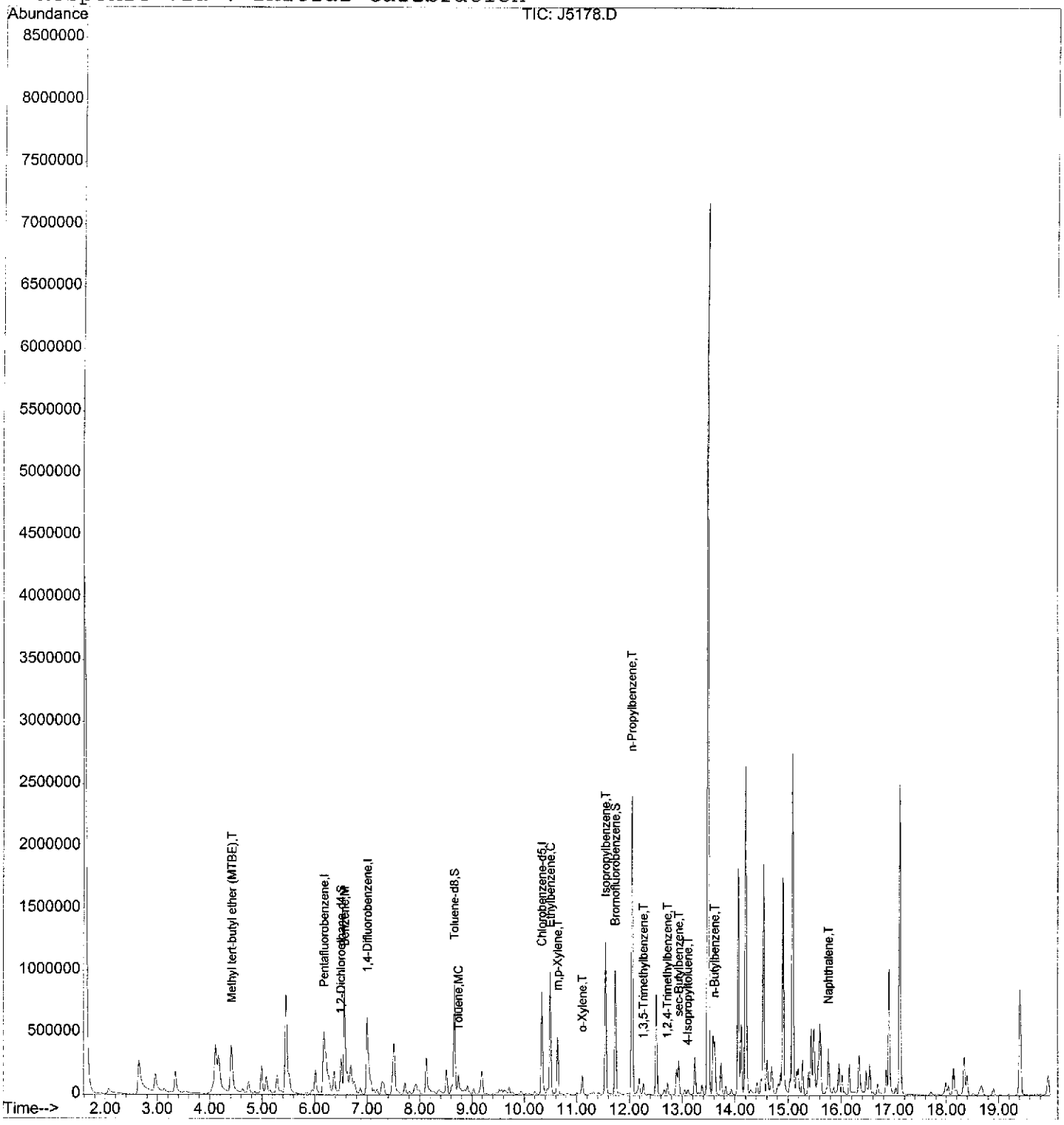
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	338385	50.00	UG		0.01
31) 1,4-Difluorobenzene	7.00	114	553343	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	525458	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.51	65	239621	45.04	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 90.08%				
41) Toluene-d8	8.66	98	632044	49.51	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.02%				
59) Bromofluorobenzene	11.73	95	398271	48.64	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 97.28%				
Target Compounds							Qvalue
17) Methyl tert-butyl ether (M	4.42	73	46672	6.19	UG		100
32) Benzene	6.57	78	860867	66.87	UG		100
42) Toluene	8.74	92	77957	9.20	UG		100
53) Ethylbenzene	10.50	91	793828	47.21	UG		99
54) m,p-Xylene	10.64	106	155417	23.22	UG		89
55) o-Xylene	11.11	106	49593	8.02	UG		93
58) Isopropylbenzene	11.55	105	945783	68.83	UG		99
63) n-Propylbenzene	12.05	91	2265093	108.62	UG		99
65) 1,3,5-Trimethylbenzene	12.27	105	54952	3.49	UG		98
68) 1,2,4-Trimethylbenzene	12.72	105	58931	3.53	UG		99
69) sec-Butylbenzene	12.94	105	217435	11.30	UG	#	97
71) 4-Isopropyltoluene	13.11	119	20868	1.23	UG	#	90
73) n-Butylbenzene	13.61	92	139245	18.36	UG	#	78
78) Naphthalene	15.76	128	279241	18.24	UG		100

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

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:29 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

Signal : TIC

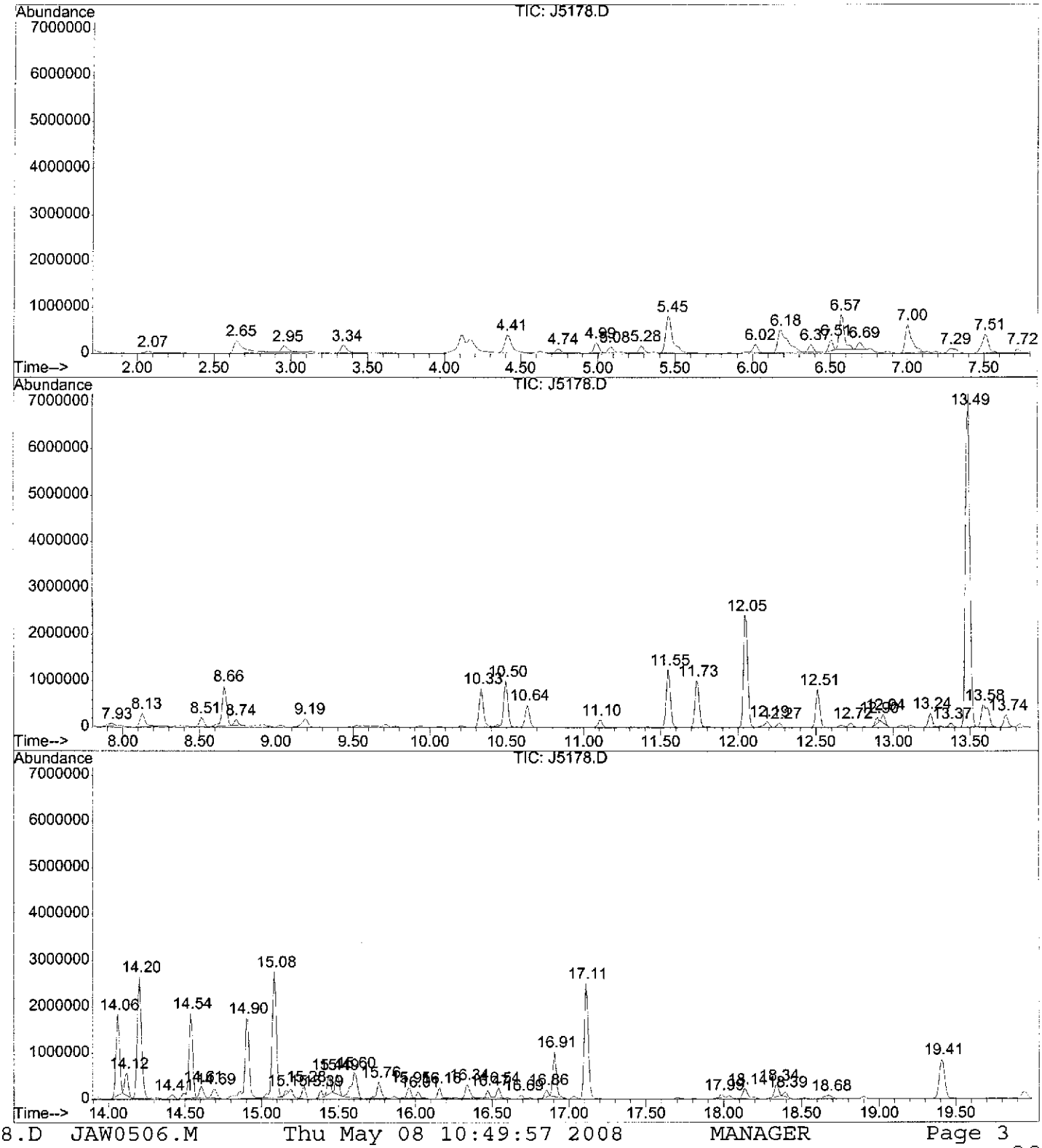
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.071	43	49	90	rBB	43365	245592	1.73%	0.266%
2	2.648	100	106	132	rBB	271425	1290160	9.08%	1.396%
3	2.952	132	136	150	rBB2	133186	432694	3.05%	0.468%
4	3.337	170	174	188	rBB	160888	457970	3.22%	0.496%
5	4.410	274	280	297	rBB2	376322	1195693	8.41%	1.294%
6	4.744	308	313	321	rBB	89183	221309	1.56%	0.239%
7	4.987	332	337	342	rBB	215800	489990	3.45%	0.530%
8	5.078	342	346	351	rBB	121276	268879	1.89%	0.291%
9	5.281	358	366	371	rBB	145101	330580	2.33%	0.358%
10	5.453	378	383	409	rBB	791329	2531153	17.81%	2.739%
11	6.020	435	439	446	rBB	171504	379246	2.67%	0.410%
12	6.182	447	455	470	rBB2	488626	2205227	15.52%	2.386%
13	6.375	470	474	482	rBB	165292	375102	2.64%	0.406%
14	6.506	483	487	490	rBB	226557	444158	3.13%	0.481%
15	6.567	490	493	501	rBB	745033	1710729	12.04%	1.851%
16	6.688	501	505	510	rBB4	149610	337153	2.37%	0.365%
17	7.002	531	536	547	rBB2	612257	1880634	13.24%	2.035%
18	7.286	559	564	577	rBB2	102668	422186	2.97%	0.457%
19	7.509	577	586	600	rBB2	413365	1297706	9.13%	1.404%
20	7.721	601	607	611	rBB	86910	183354	1.29%	0.198%
21	7.934	620	628	631	rBB3	56719	194557	1.37%	0.211%
22	8.126	642	647	658	rBB	290750	708308	4.98%	0.767%
23	8.511	681	685	690	rBB	194075	393152	2.77%	0.425%
24	8.663	691	700	705	rBB	860317	1779613	12.52%	1.926%
25	8.744	705	708	714	rBB	123288	241598	1.70%	0.261%
26	9.190	743	752	758	rBB2	183837	491403	3.46%	0.532%
27	10.334	860	865	872	rBB	828882	1591691	11.20%	1.722%
28	10.496	872	881	886	rBB	979912	1887353	13.28%	2.042%
29	10.638	890	895	900	rBB	474622	897311	6.31%	0.971%
30	11.104	936	941	950	rBB	153905	300552	2.12%	0.325%
31	11.549	977	985	993	rBB	1234453	2279325	16.04%	2.467%

32	11.731	999	1003	1009	rBB	995252	1888074	13.29%	2.043%
33	12.045	1030	1034	1041	rBB	2399977	4559263	32.09%	4.934%
34	12.187	1041	1048	1052	rBB	126131	257255	1.81%	0.278%
35	12.268	1052	1056	1060	rBB	87692	163904	1.15%	0.177%
36	12.511	1074	1080	1090	rBB	811441	1455798	10.25%	1.575%
37	12.724	1098	1101	1106	rBB	89091	144705	1.02%	0.157%
38	12.896	1115	1118	1120	rBB	121482	222035	1.56%	0.240%
39	12.936	1120	1122	1125	rBB	184520	225966	1.59%	0.245%
40	13.240	1148	1152	1156	rBB	298849	514364	3.62%	0.557%
41	13.372	1162	1165	1170	rBB	77614	147171	1.04%	0.159%
42	13.493	1171	1177	1182	rBB	7169048	14209536	100.00%	15.377%
43	13.584	1182	1186	1196	rBB2	466366	1549744	10.91%	1.677%
44	13.736	1196	1201	1206	rBB3	258274	506346	3.56%	0.548%
45	14.060	1229	1233	1236	rBB	1746531	2881501	20.28%	3.118%
46	14.121	1236	1239	1242	rBB	484263	753029	5.30%	0.815%
47	14.202	1243	1247	1253	rBB	2631212	5046050	35.51%	5.461%
48	14.415	1263	1268	1272	rBB3	93181	199152	1.40%	0.216%
49	14.536	1272	1280	1284	rBB	1838045	3329895	23.43%	3.604%
50	14.607	1284	1287	1291	rBB	247800	442376	3.11%	0.479%
51	14.688	1291	1295	1300	rBB2	206049	448340	3.16%	0.485%
52	14.901	1303	1316	1325	rBB	1737549	3677035	25.88%	3.979%
53	15.083	1326	1334	1339	rBB2	2718046	5308099	37.36%	5.744%
54	15.154	1339	1341	1343	rBB2	93597	145694	1.03%	0.158%
55	15.276	1349	1353	1357	rBB	266855	429285	3.02%	0.465%
56	15.387	1360	1364	1366	rBB2	142633	237420	1.67%	0.257%
57	15.438	1366	1369	1371	rBB	419240	650419	4.58%	0.704%
58	15.488	1371	1374	1378	rBB2	421051	696321	4.90%	0.754%
59	15.600	1378	1385	1390	rBB2	545994	1499582	10.55%	1.623%
60	15.762	1394	1401	1408	rBB	361851	713714	5.02%	0.772%
61	15.954	1414	1420	1424	rBB2	237830	441533	3.11%	0.478%
62	16.015	1424	1426	1433	rBB	142667	232637	1.64%	0.252%
63	16.157	1436	1440	1446	rBB	236774	370391	2.61%	0.401%
64	16.339	1454	1458	1465	rBB	301543	656545	4.62%	0.710%
65	16.470	1468	1471	1475	rBB	164960	243650	1.71%	0.264%
66	16.541	1475	1478	1482	rBB2	226199	339285	2.39%	0.367%
67	16.693	1489	1493	1496	rBB2	79189	149881	1.05%	0.162%
68	16.855	1506	1509	1511	rBB	157505	250382	1.76%	0.271%
69	16.906	1511	1514	1521	rBB	966940	1540395	10.84%	1.667%
70	17.108	1530	1534	1542	rBB	2496156	4613926	32.47%	4.993%
71	17.989	1615	1621	1623	rBB	73279	144032	1.01%	0.156%
72	18.141	1630	1636	1646	rBB2	217160	567197	3.99%	0.614%
73	18.344	1652	1656	1659	rBB	251771	524423	3.69%	0.568%
74	18.394	1659	1661	1665	rBB	106872	144105	1.01%	0.156%
75	18.678	1679	1689	1697	rBB	79267	291812	2.05%	0.316%
76	19.407	1747	1761	1772	rBB	853744	2130057	14.99%	2.305%

Sum of corrected areas: 92406702

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D
Operator : BINXU
Acquired : 8 May 2008 2:25 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-3,05064-003,A,5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 37
Quant File :JAW0506.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

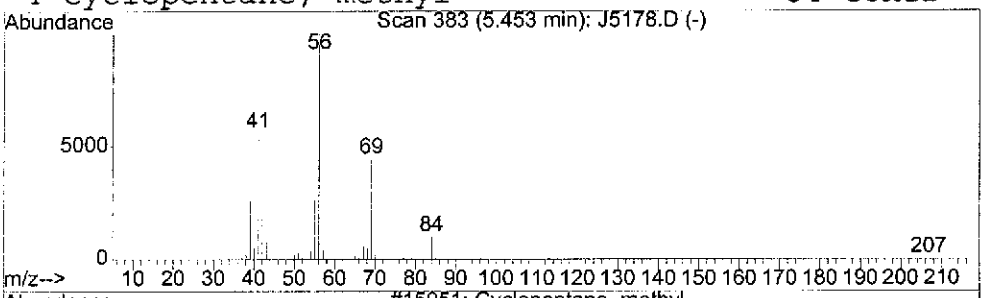
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

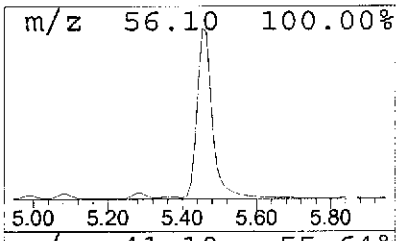
****

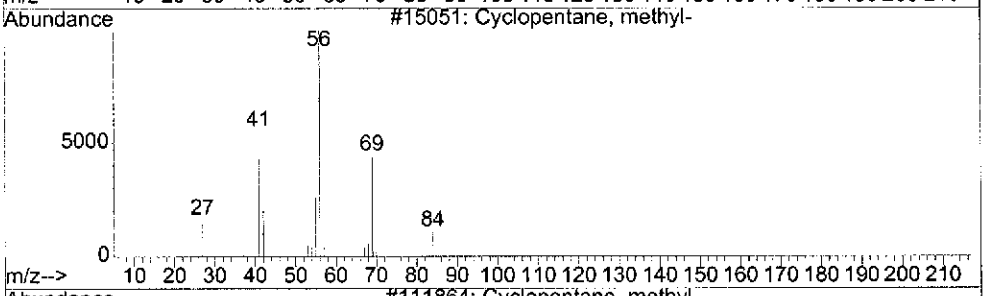
Peak Number 1 Unknown cyclic hydrocarbon Concentration Rank 9

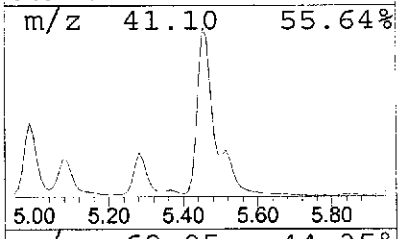
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	57.39 UG	2531150	Pentafluorobenzene	6.18

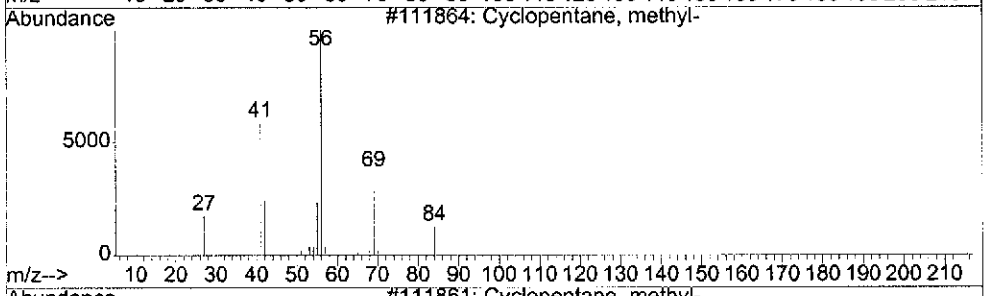
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	78

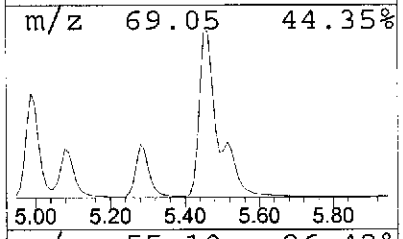


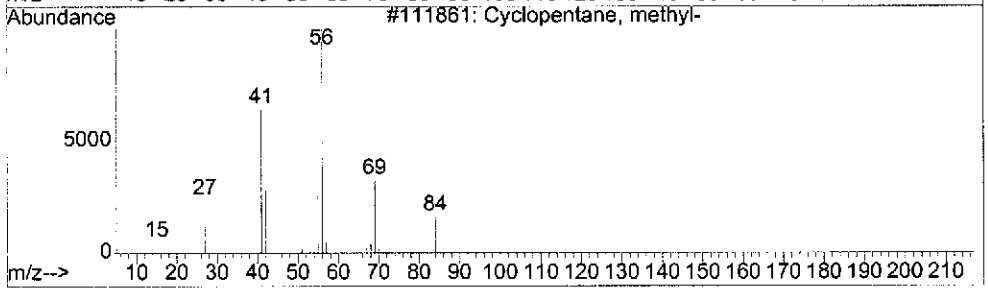


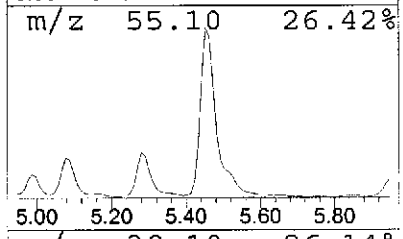


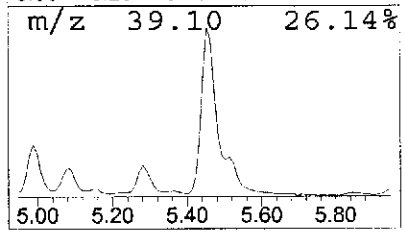












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

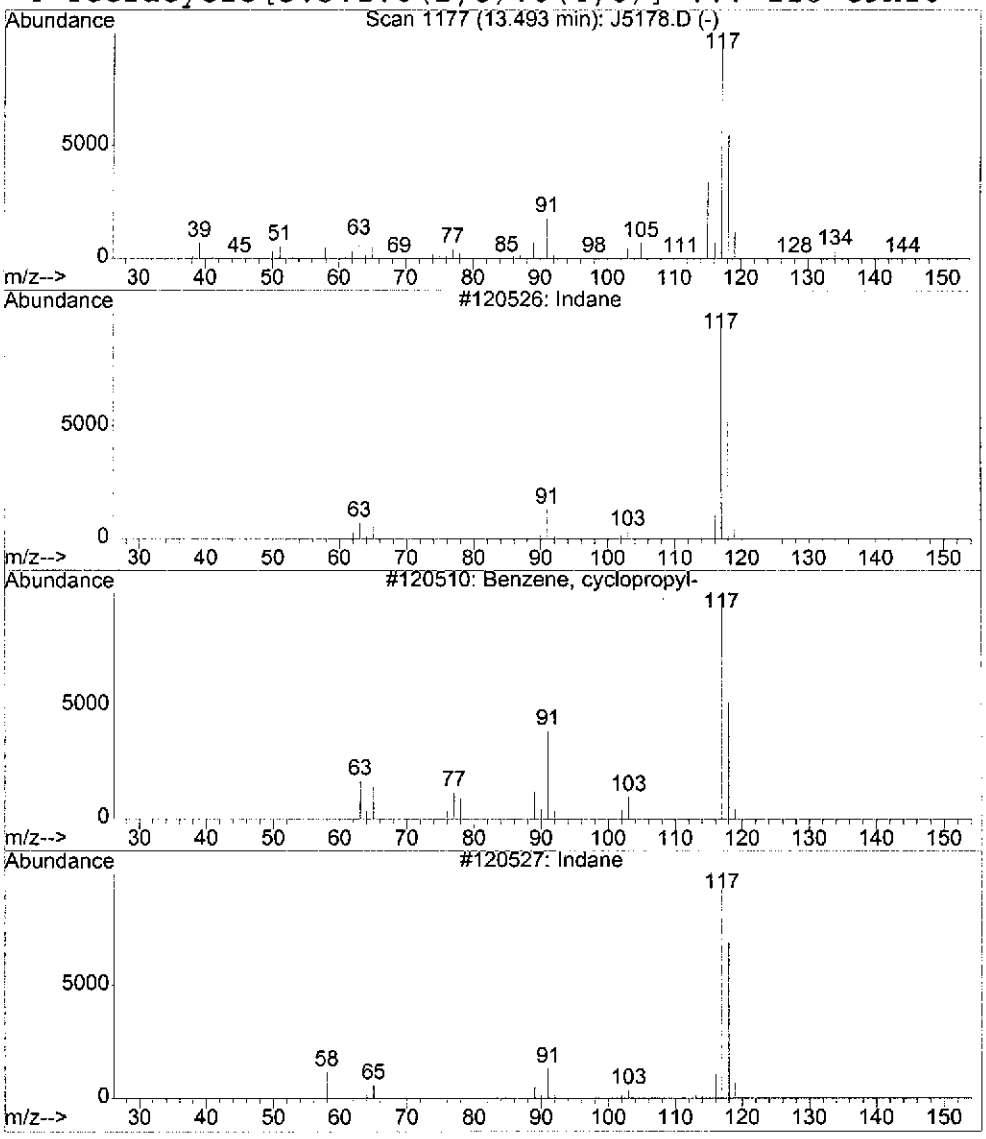
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

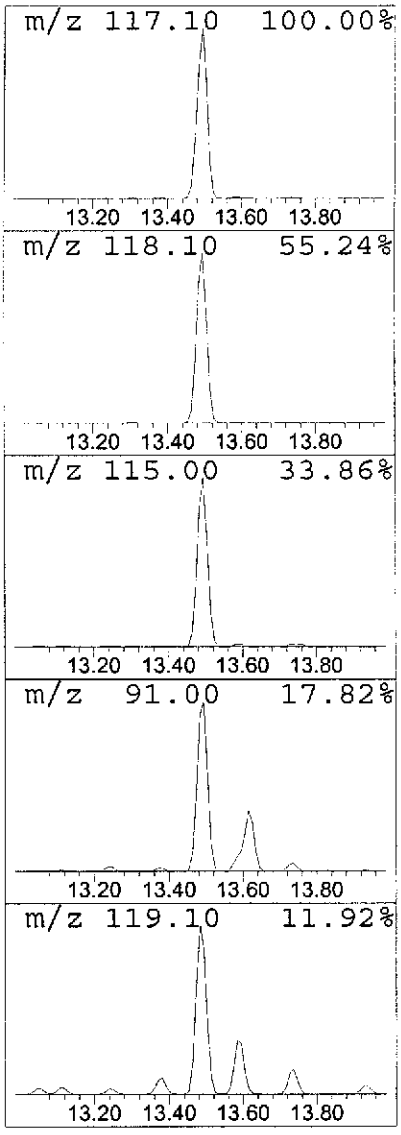
****

Peak Number 2 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	446.37 UG	14209500	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Indane	118	C9H10	000496-11-7	74
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

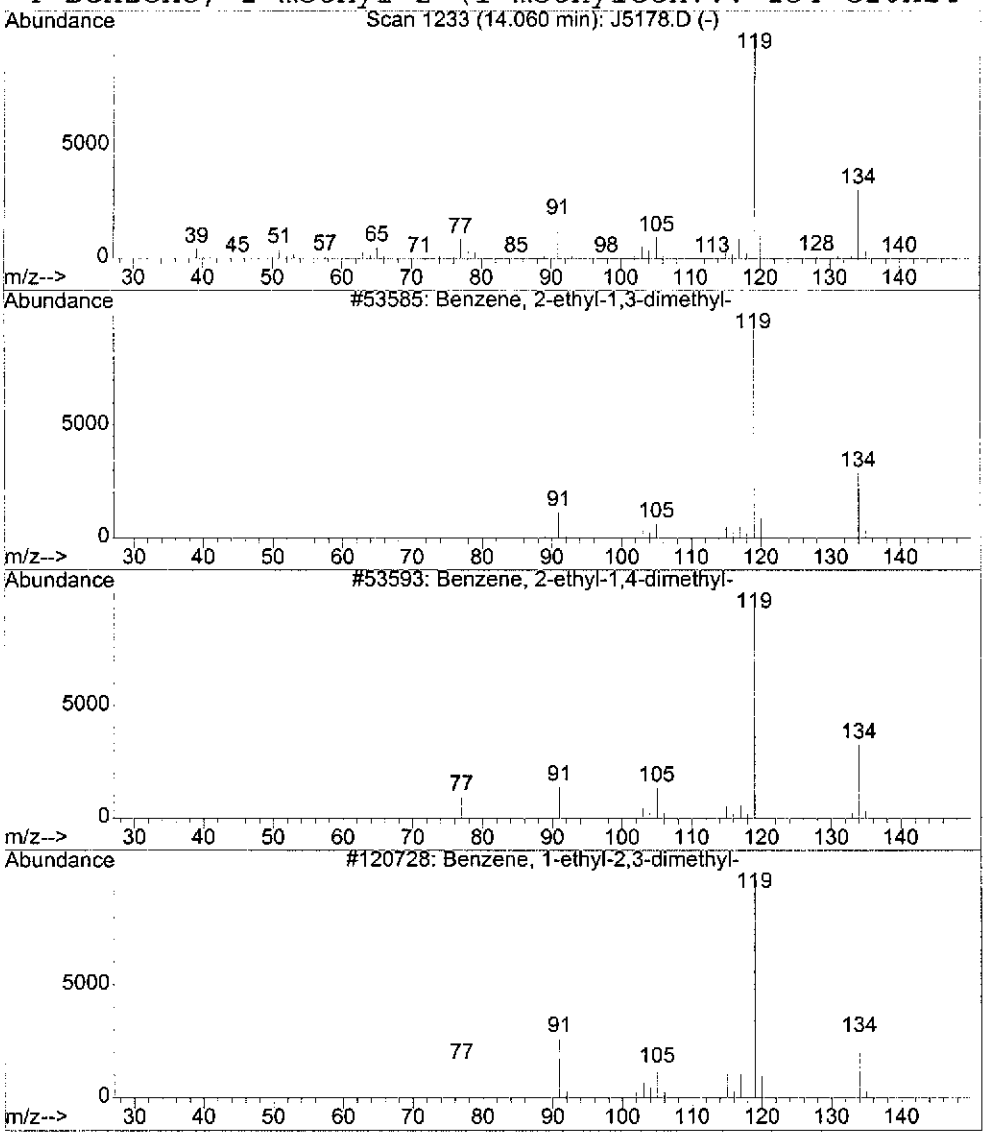
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

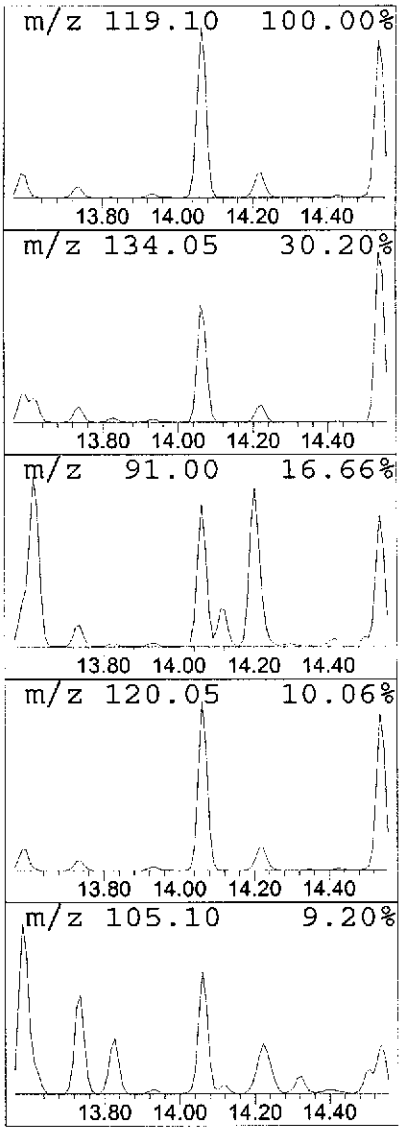
****

Peak Number 3 Unknown aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	90.52 UG	2881500	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D
Acq On : 8 May 2008 2:25 am
Sample : MW-3,05064-003,A,5ml,100
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
MS Integration Params: LSCINT.P

Vial: 37
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

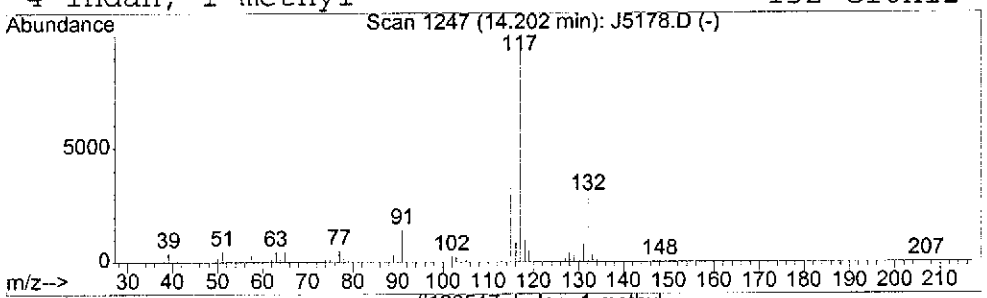
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

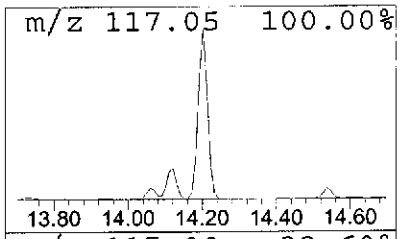
****

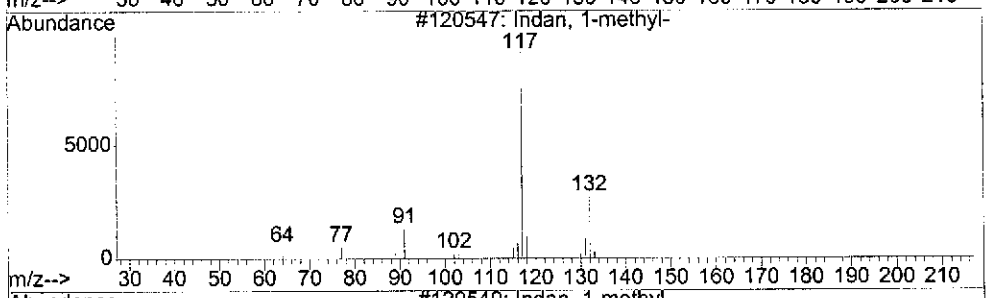
Peak Number 4 Unknown aromatic Concentration Rank 3

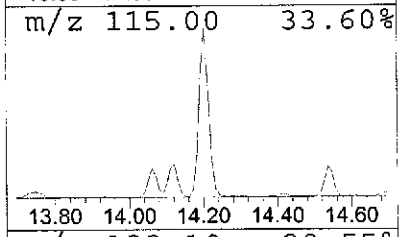
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	158.51 UG	5046050	Chlorobenzene-d5	10.33

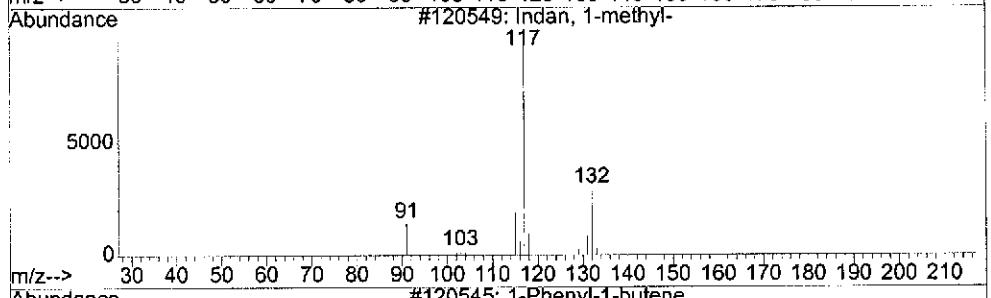
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	83

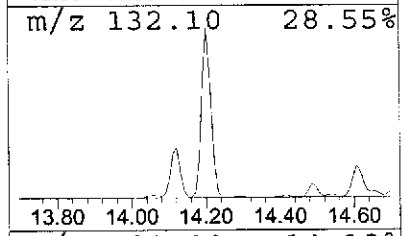


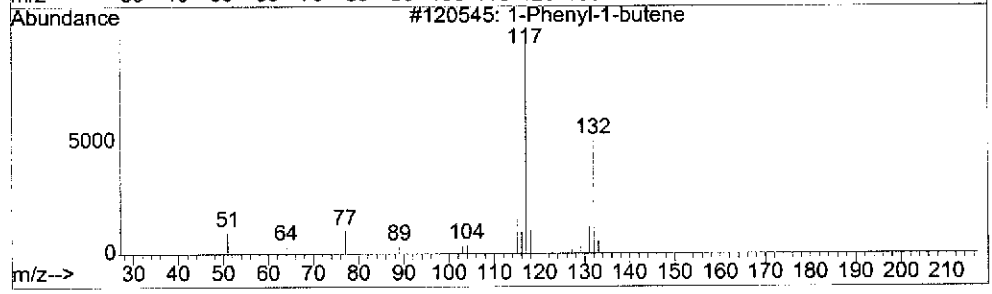


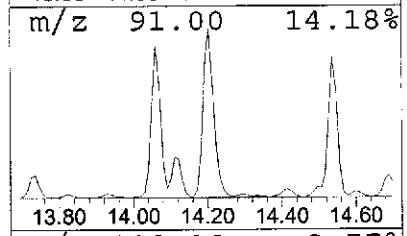


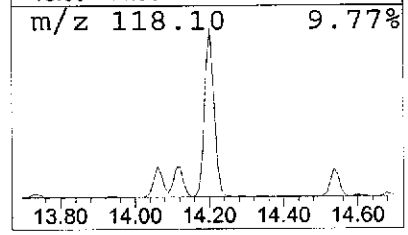












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

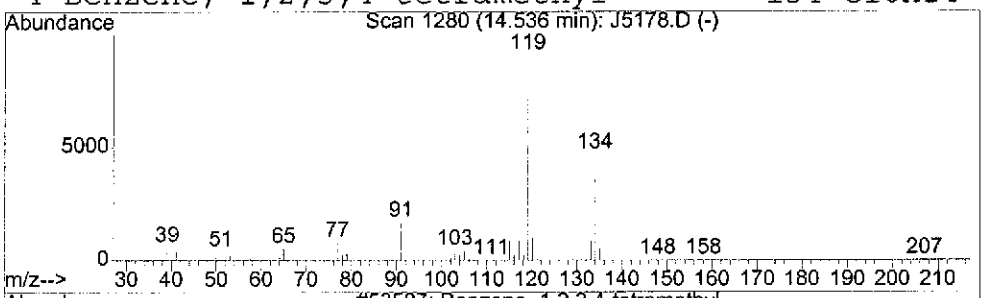
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

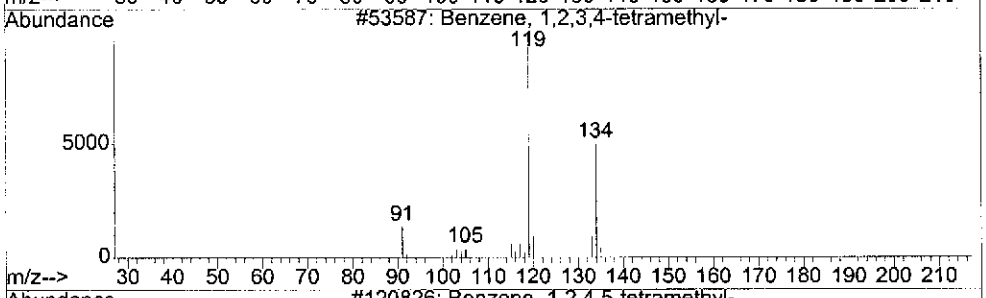
****

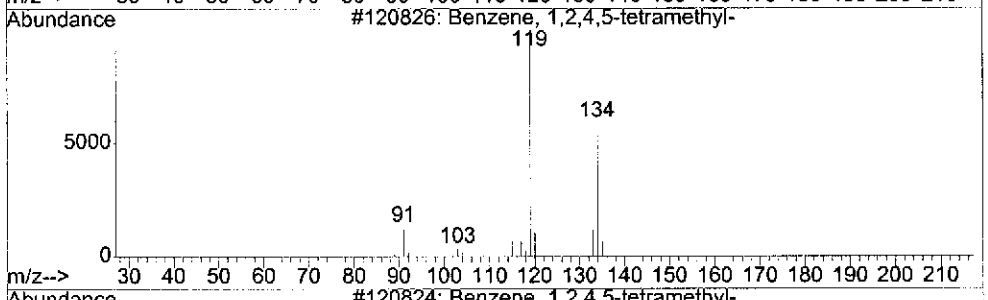
Peak Number 5 Unknown aromatic Concentration Rank 6

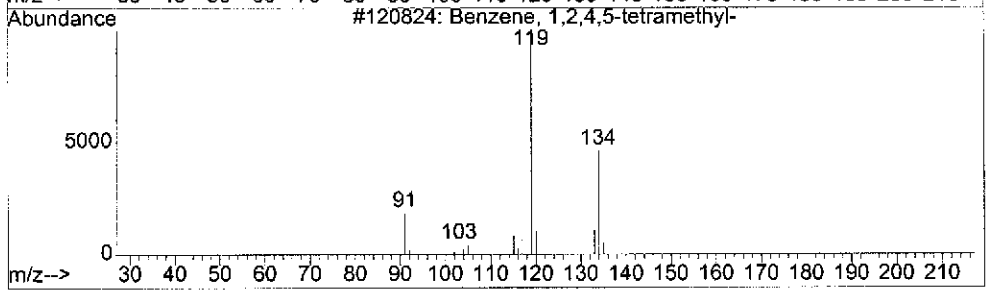
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	104.60 UG	3329900	Chlorobenzene-d5	10.33

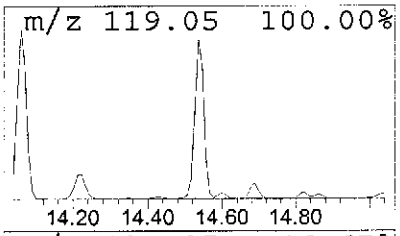
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95

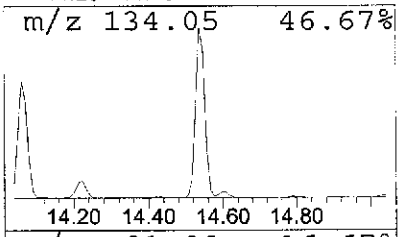


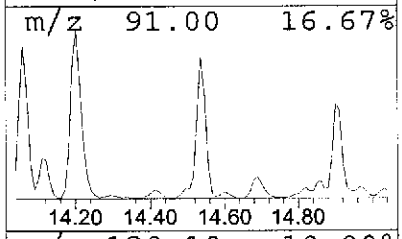


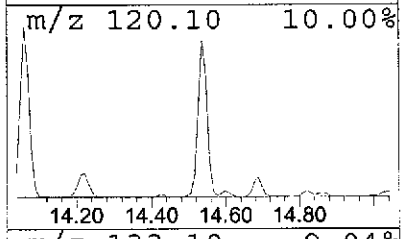


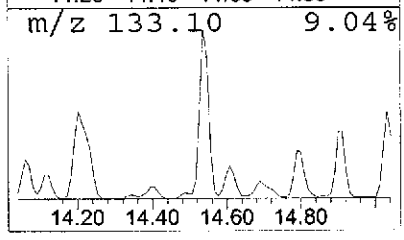












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

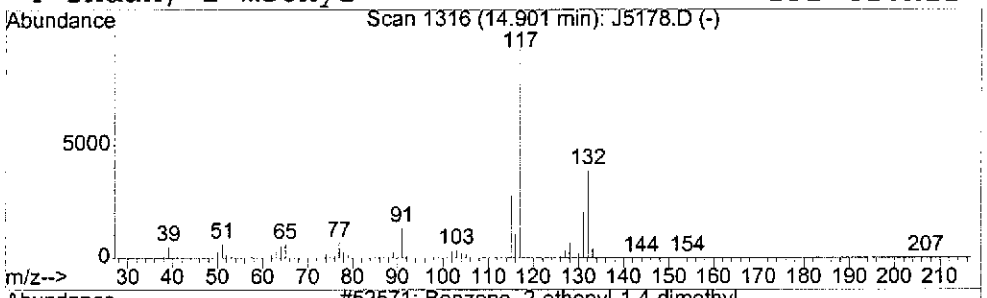
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

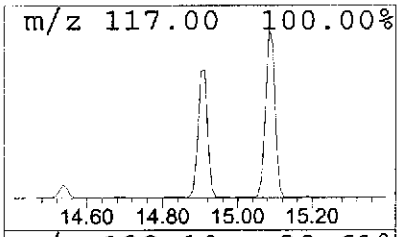
****

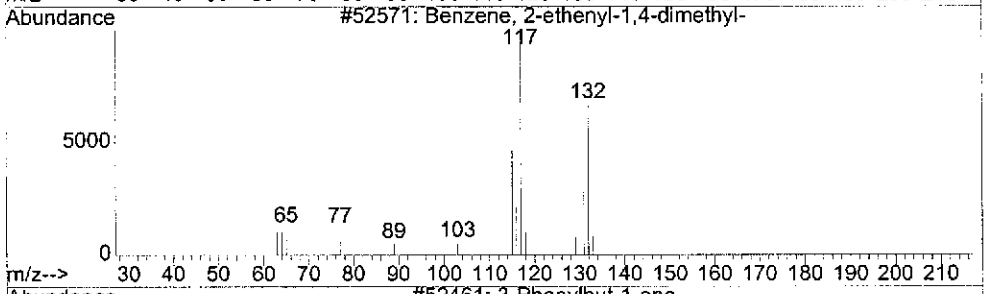
Peak Number 6 Unknown aromatic Concentration Rank 5

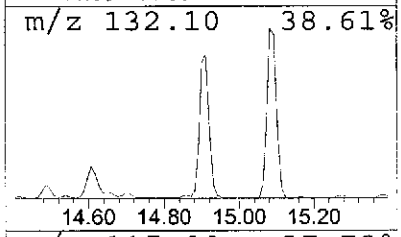
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	115.51 UG	3677040	Chlorobenzene-d5	10.33

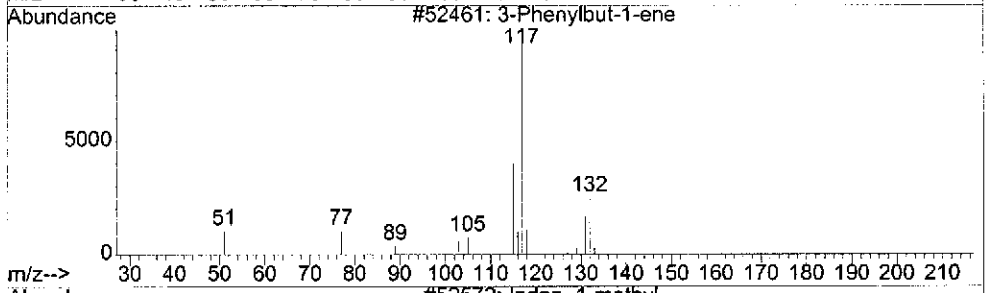
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90

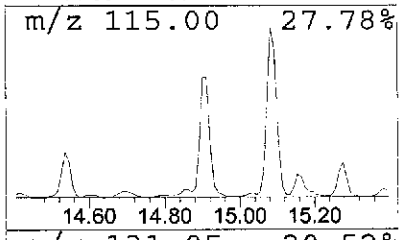


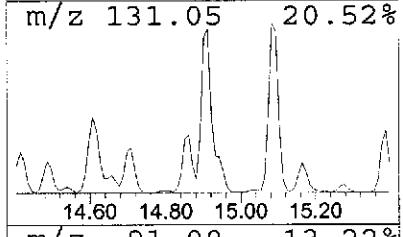


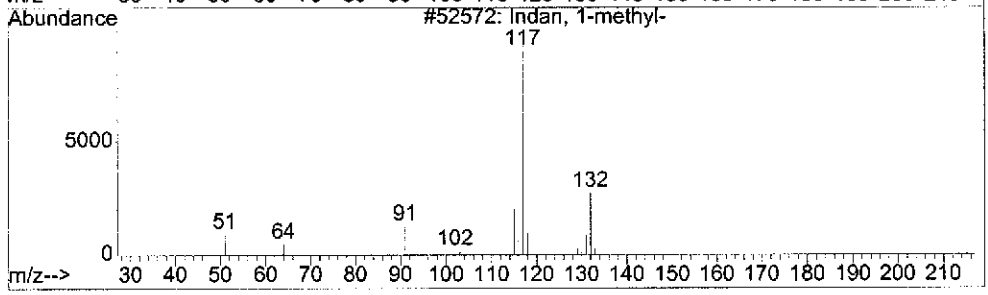


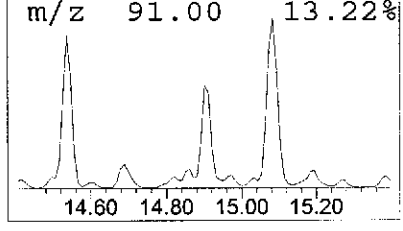












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

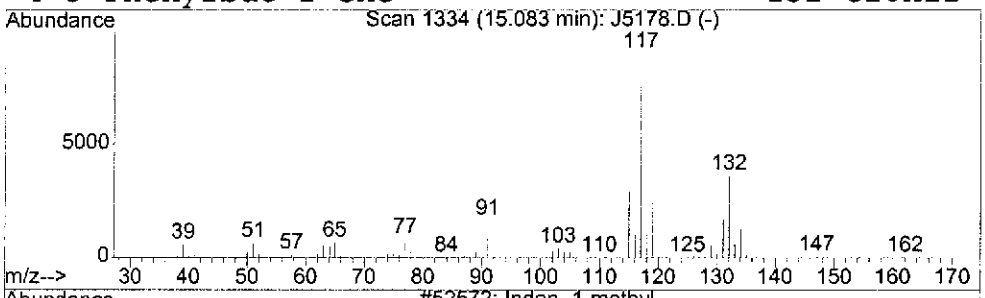
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

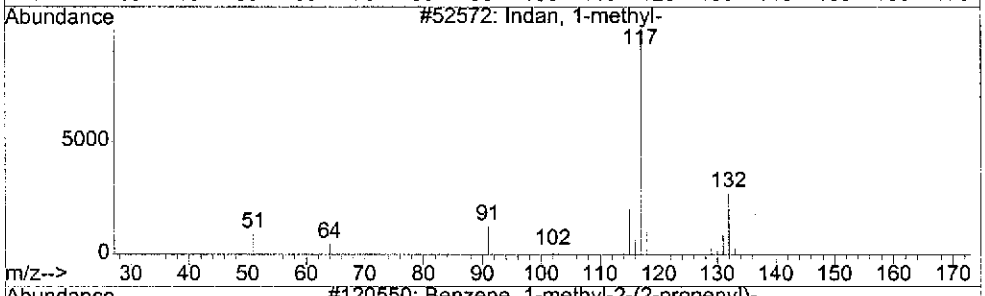
****

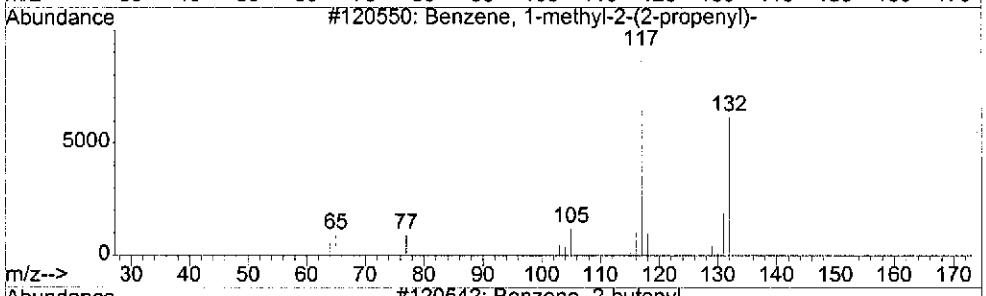
Peak Number 7 Unknown aromatic Concentration Rank 2

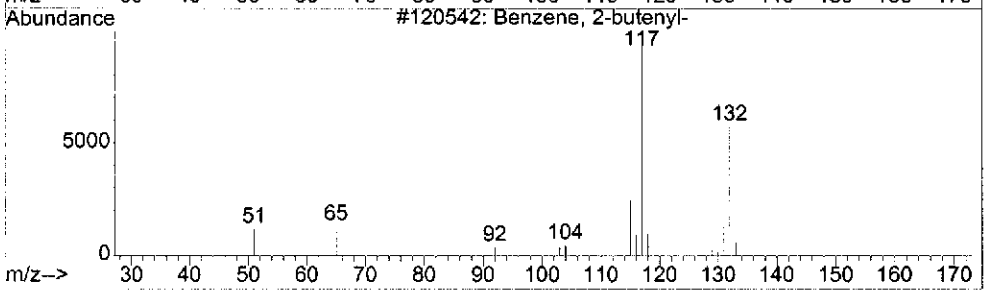
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	166.74 UG	5308100	Chlorobenzene-d5	10.33

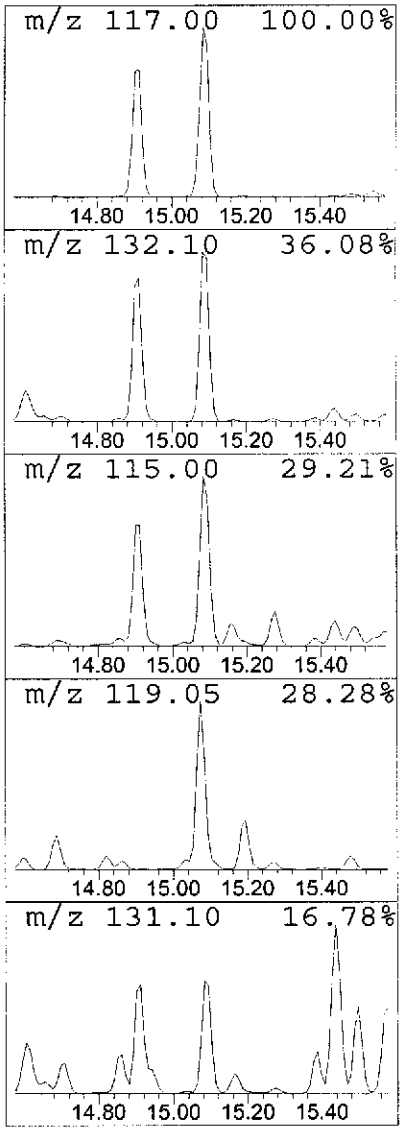
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	91
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

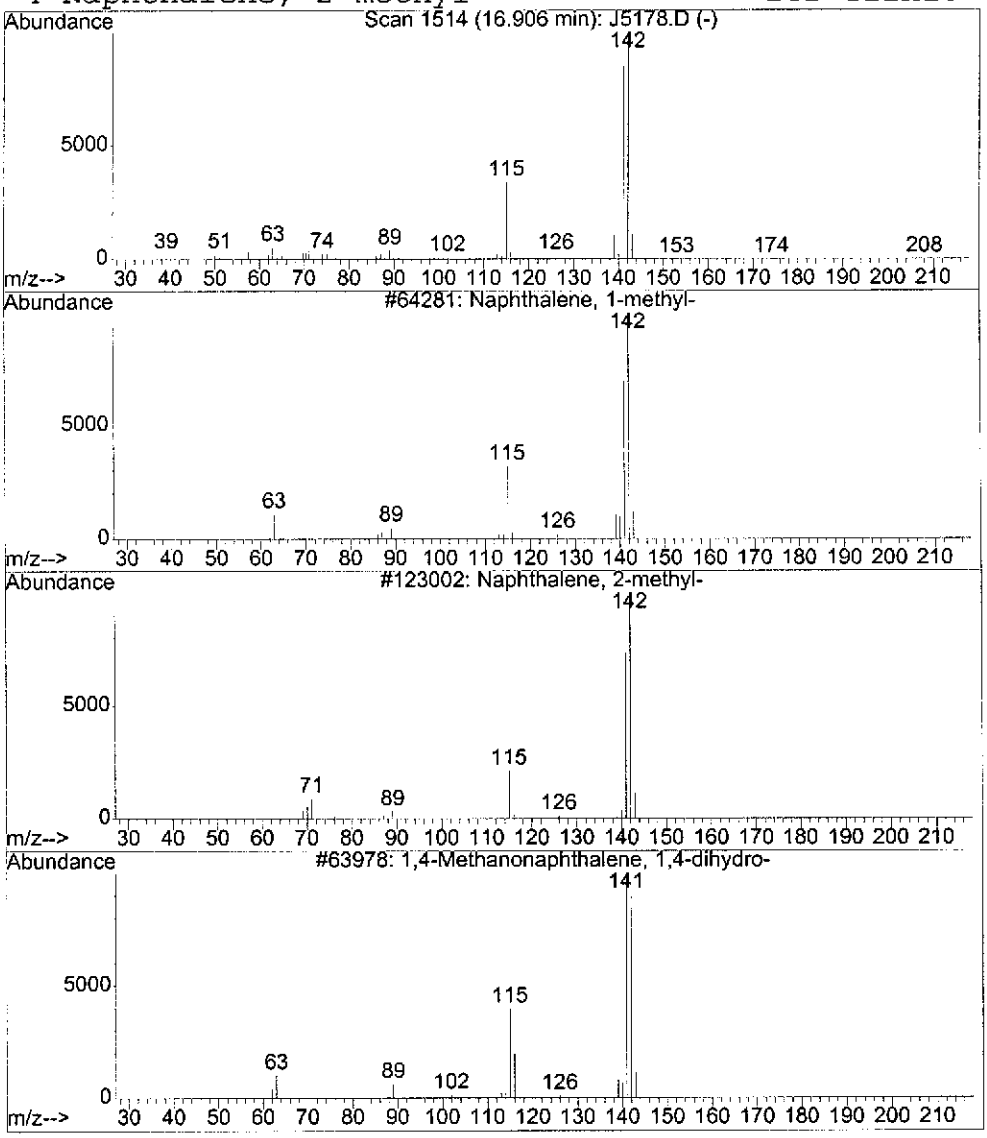
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

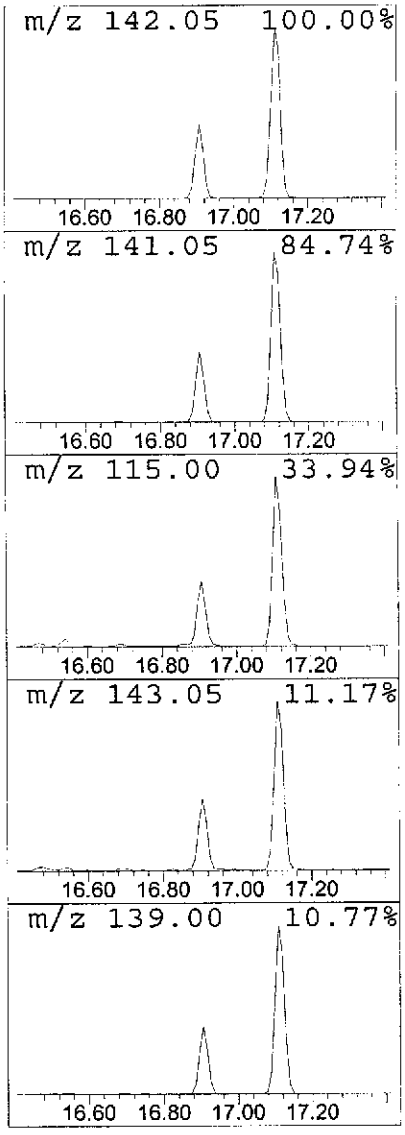
****

Peak Number 8 Unknown aromatic Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	48.39 UG	1540400	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

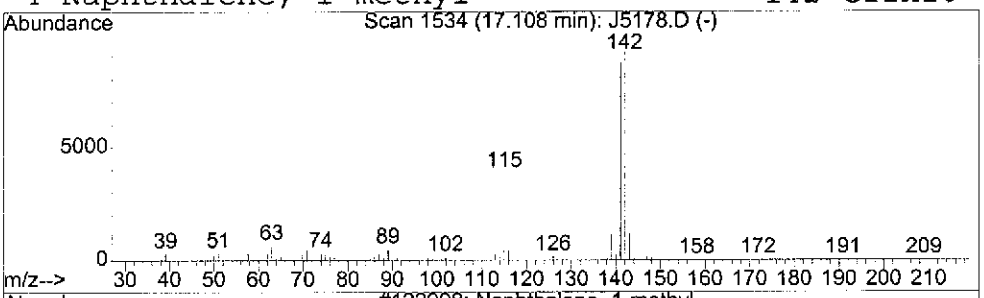
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

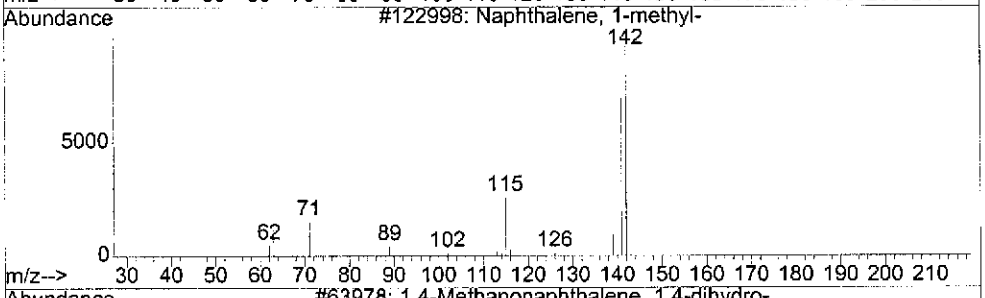
****

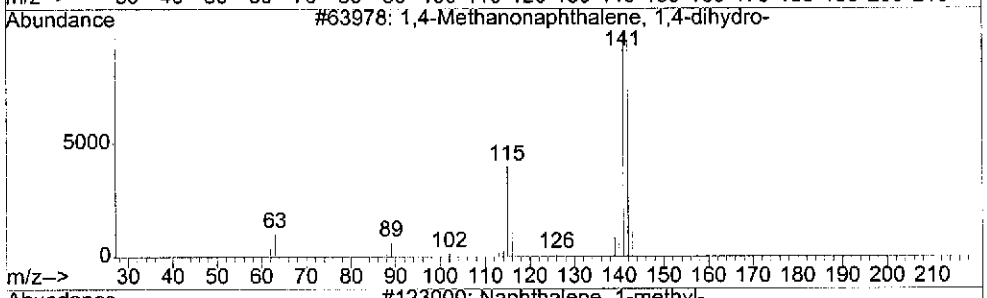
Peak Number 9 Unknown aromatic Concentration Rank 4

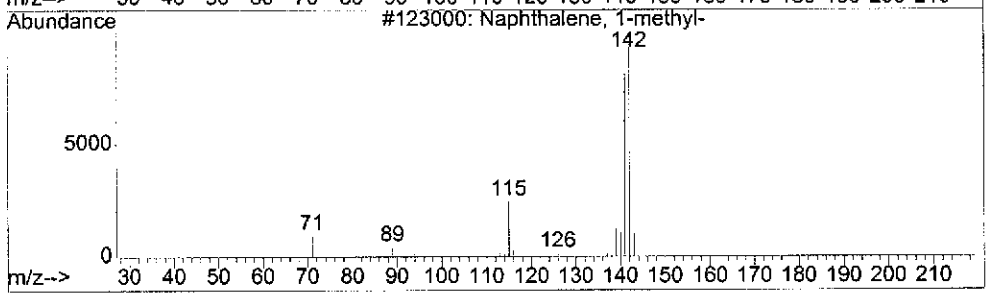
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	144.94 UG	4613930	Chlorobenzene-d5	10.33

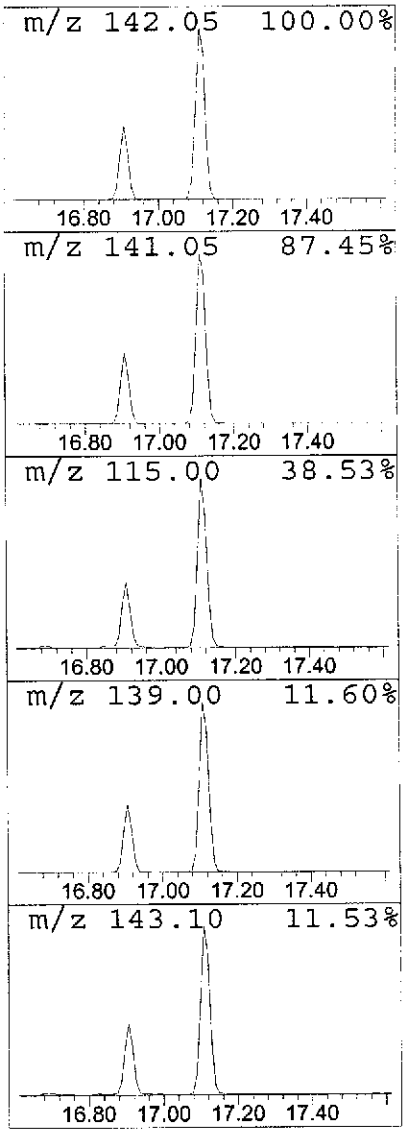
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5178.D Vial: 37
Acq On : 8 May 2008 2:25 am Operator: BINXU
Sample : MW-3,05064-003,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

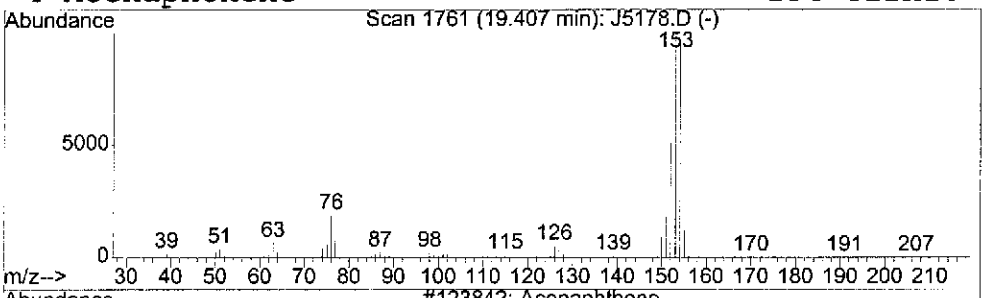
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

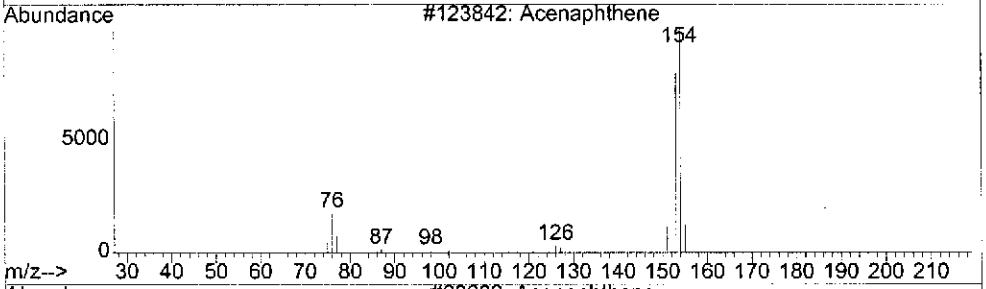
****

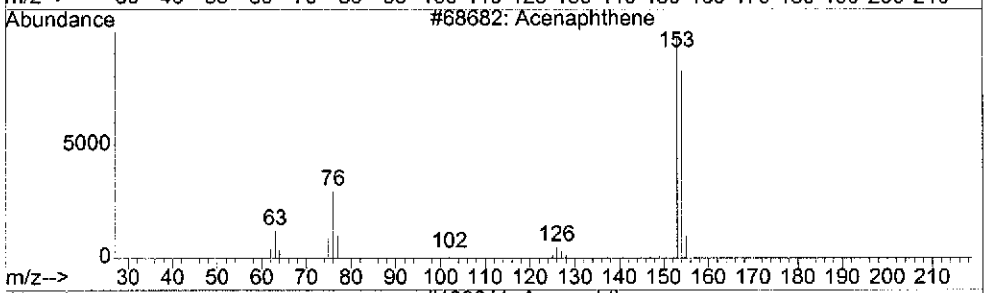
Peak Number 10 Unknown Concentration Rank 8

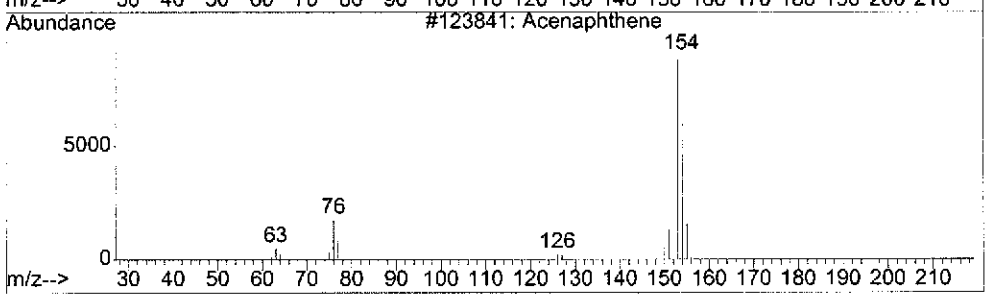
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	66.91 UG	2130060	Chlorobenzene-d5	10.33

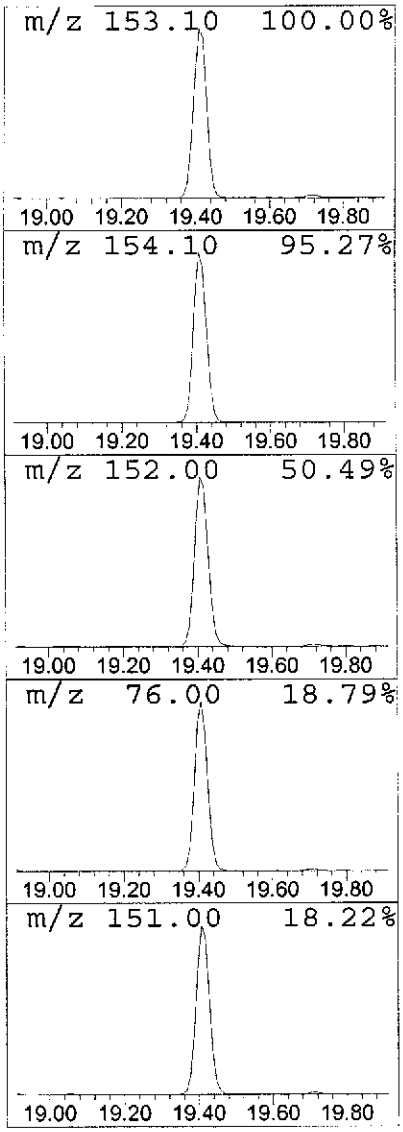
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	94
2	Acenaphthene	154	C12H10	000083-32-9	89
3	Acenaphthene	154	C12H10	000083-32-9	81
4	Acenaphthene	154	C12H10	000083-32-9	58











Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 03:12:15 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

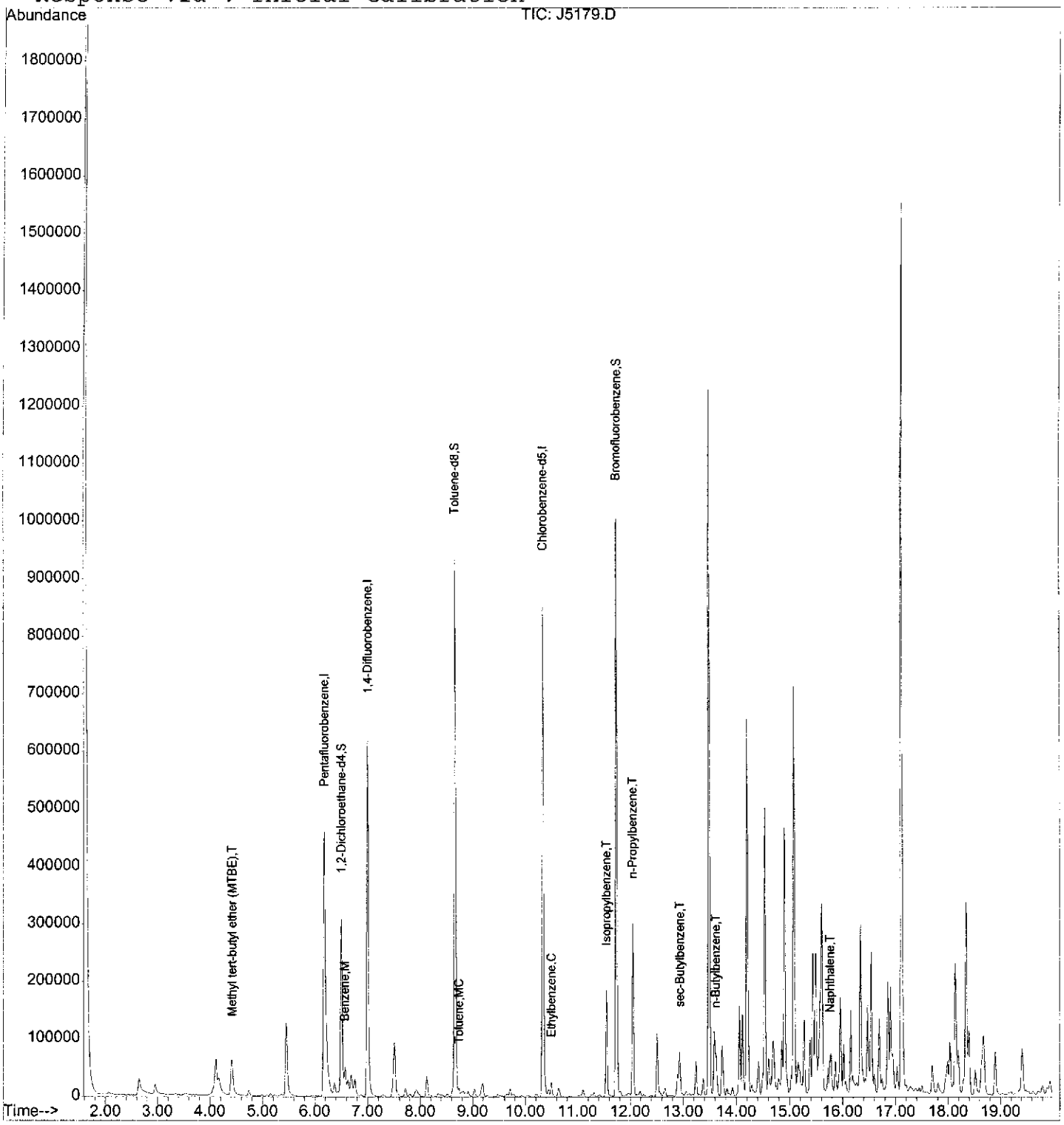
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	377815	50.00	UG		0.01
31) 1,4-Difluorobenzene	7.00	114	624558	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	553337	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.51	65	271602	45.73	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 91.46%				
41) Toluene-d8	8.66	98	675710	46.90	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.80%				
59) Bromofluorobenzene	11.73	95	414514	48.08	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.16%				
Target Compounds							Qvalue
17) Methyl tert-butyl ether (M	4.42	73	9920	1.18	UG		100
32) Benzene	6.57	78	46634	3.21	UG		100
42) Toluene	8.74	92	5006	0.52	UG		96
53) Ethylbenzene	10.50	91	17250	0.97	UG		99
58) Isopropylbenzene	11.55	105	138010	9.54	UG		99
63) n-Propylbenzene	12.05	91	270947	12.34	UG		99
69) sec-Butylbenzene	12.94	105	53534	2.64	UG	#	94
73) n-Butylbenzene	13.62	92	21604	2.71	UG	#	78
78) Naphthalene	15.76	128	41827	2.59	UG		100

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

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:30 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

Signal : TIC

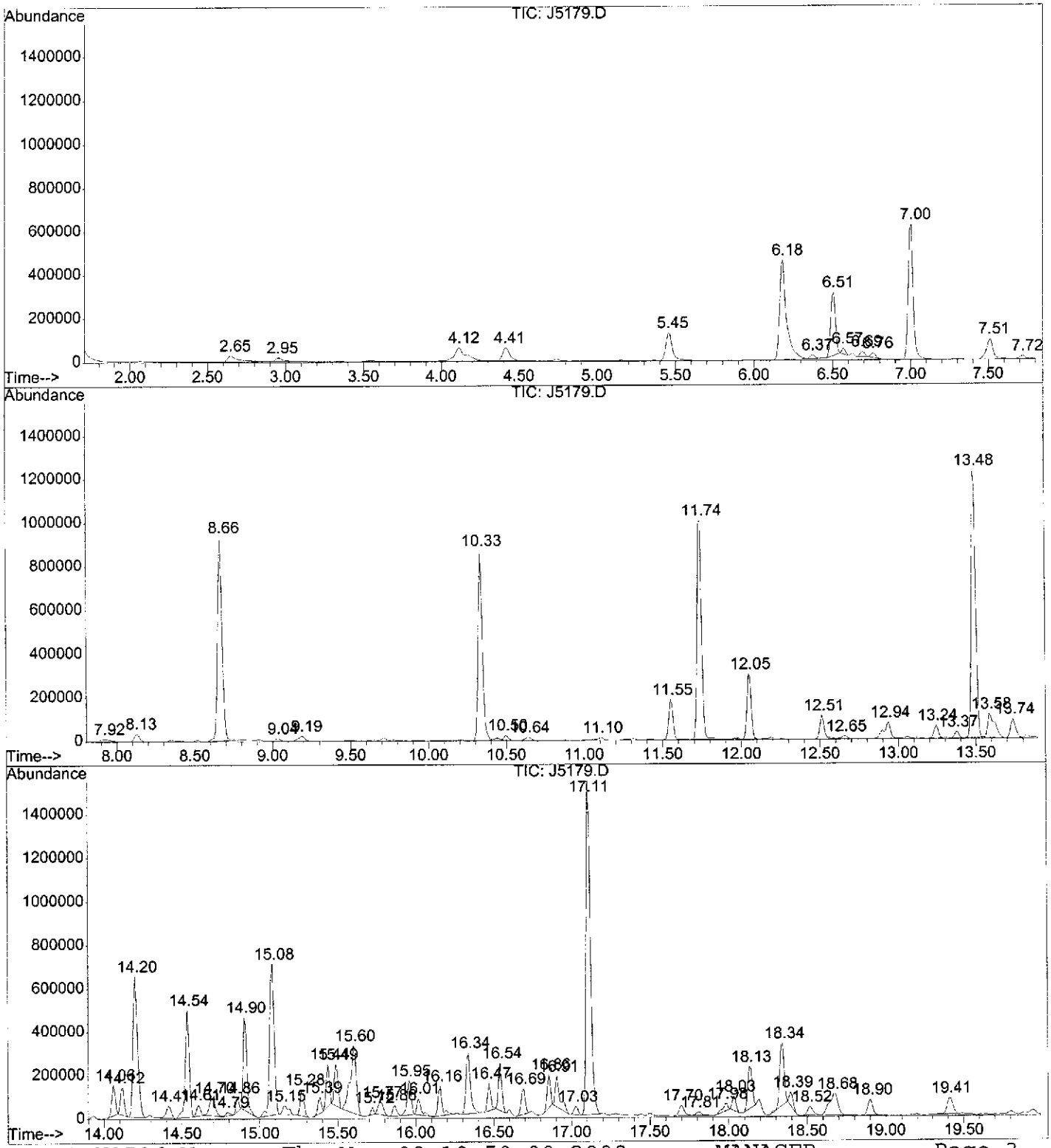
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.648	100	106	131	rBB	27568	129919	4.35%	0.425%
2	2.952	132	136	150	rBB	15699	46700	1.56%	0.153%
3	4.117	234	251	274	rBB2	61641	327459	10.96%	1.071%
4	4.410	274	280	305	rBB2	60352	198574	6.65%	0.649%
5	5.453	378	383	407	rBB	126504	363577	12.17%	1.189%
6	6.182	449	455	470	rBB	458473	1384140	46.32%	4.526%
7	6.375	470	474	478	rBB	16867	33836	1.13%	0.111%
8	6.506	482	487	491	rBB	290572	617039	20.65%	2.018%
9	6.567	491	493	496	rBB	25742	37603	1.26%	0.123%
10	6.689	502	505	509	rBB3	24272	48507	1.62%	0.159%
11	6.760	509	512	518	rBB	20642	38529	1.29%	0.126%
12	7.003	530	536	553	rBB	622190	1399954	46.85%	4.578%
13	7.509	579	586	600	rBB	93451	272665	9.13%	0.892%
14	7.722	600	607	611	rBB	14451	32685	1.09%	0.107%
15	7.924	620	627	637	rBB7	11005	49533	1.66%	0.162%
16	8.127	643	647	657	rBB	35540	82489	2.76%	0.270%
17	8.663	691	700	710	rBB	931514	1879245	62.89%	6.145%
18	9.038	732	737	743	rBB2	12504	30797	1.03%	0.101%
19	9.190	743	752	757	rBB3	23443	68625	2.30%	0.224%
20	10.334	860	865	873	rBB	868863	1630123	54.56%	5.330%
21	10.496	878	881	887	rBB	22011	38566	1.29%	0.126%
22	10.638	890	895	905	rBB3	14908	39796	1.33%	0.130%
23	11.104	928	941	947	rBB4	13069	41065	1.37%	0.134%
24	11.549	977	985	997	rBB	184847	351507	11.76%	1.149%
25	11.742	998	1004	1017	rBB	1003733	1992380	66.68%	6.515%
26	12.045	1030	1034	1040	rBB	300254	555574	18.59%	1.817%
27	12.511	1074	1080	1089	rBB	108646	215144	7.20%	0.704%
28	12.653	1089	1094	1098	rBB2	13299	33199	1.11%	0.109%
29	12.937	1112	1122	1130	rBB2	76071	230327	7.71%	0.753%
30	13.240	1148	1152	1157	rBB	58265	105760	3.54%	0.346%
31	13.372	1162	1165	1170	rBB	28446	53387	1.79%	0.175%

32	13.483	1170	1176	1182	rBB	1225258	2349260	78.62%	7.682%
33	13.585	1182	1186	1196	rBB3	108866	339566	11.36%	1.110%
34	13.737	1196	1201	1207	rBB2	87181	192613	6.45%	0.630%
35	14.061	1229	1233	1236	rBB	140438	229818	7.69%	0.751%
36	14.121	1236	1239	1242	rBB	125072	211422	7.08%	0.691%
37	14.202	1243	1247	1253	rBB2	647957	1333726	44.64%	4.361%
38	14.415	1262	1268	1272	rBB2	56539	125802	4.21%	0.411%
39	14.537	1272	1280	1284	rBB	493036	873264	29.23%	2.856%
40	14.607	1284	1287	1291	rBB3	51060	92225	3.09%	0.302%
41	14.699	1291	1296	1302	rBB2	81382	212114	7.10%	0.694%
42	14.790	1303	1305	1309	rBB2	16804	32220	1.08%	0.105%
43	14.861	1309	1312	1314	rBB	59645	91241	3.05%	0.298%
44	14.901	1314	1316	1324	rBB	426234	698635	23.38%	2.285%
45	15.083	1325	1334	1338	rBB2	696966	1441097	48.23%	4.712%
46	15.154	1338	1341	1349	rBB4	39371	109307	3.66%	0.357%
47	15.276	1349	1353	1357	rBB	121105	204259	6.84%	0.668%
48	15.387	1360	1364	1366	rBB2	72557	122994	4.12%	0.402%
49	15.438	1366	1369	1371	rBB	194538	297150	9.94%	0.972%
50	15.488	1371	1374	1378	rBB3	190824	322057	10.78%	1.053%
51	15.600	1378	1385	1390	rBB2	310187	844376	28.26%	2.761%
52	15.721	1394	1397	1399	rBB	31804	43497	1.46%	0.142%
53	15.772	1399	1402	1407	rBB3	56843	136306	4.56%	0.446%
54	15.863	1408	1411	1415	rBB3	51782	91681	3.07%	0.300%
55	15.954	1415	1420	1424	rBB2	157996	304594	10.19%	0.996%
56	16.015	1424	1426	1436	rBB	75931	140015	4.69%	0.458%
57	16.157	1436	1440	1449	rBB	137998	260764	8.73%	0.853%
58	16.339	1453	1458	1465	rBB	280311	564252	18.88%	1.845%
59	16.471	1468	1471	1475	rBB	127101	192511	6.44%	0.630%
60	16.541	1475	1478	1482	rBB2	218724	319341	10.69%	1.044%
61	16.693	1488	1493	1496	rBB2	118320	223917	7.49%	0.732%
62	16.855	1506	1509	1511	rBB	152188	237459	7.95%	0.776%
63	16.906	1511	1514	1522	rBB3	141434	276521	9.25%	0.904%
64	17.028	1522	1526	1530	rBB2	39372	72024	2.41%	0.236%
65	17.109	1530	1534	1542	rBB2	1539383	2988016	100.00%	9.771%
66	17.696	1586	1592	1598	rBB	48501	111185	3.72%	0.364%
67	17.807	1599	1603	1612	rBB5	17544	44359	1.48%	0.145%
68	17.979	1614	1620	1623	rBB2	34171	89989	3.01%	0.294%
69	18.030	1623	1625	1629	rBB	64966	105434	3.53%	0.345%
70	18.131	1632	1635	1639	rBB	195466	395079	13.22%	1.292%
71	18.344	1648	1656	1659	rBB	285719	595760	19.94%	1.948%
72	18.395	1659	1661	1665	rBB2	64394	85089	2.85%	0.278%
73	18.516	1667	1673	1679	rBB	41215	94774	3.17%	0.310%
74	18.678	1679	1689	1697	rBB	100561	381405	12.76%	1.247%
75	18.901	1705	1711	1721	rBB	75207	171924	5.75%	0.562%
76	19.407	1753	1761	1767	rBB2	75610	203542	6.81%	0.666%

Sum of corrected areas: 30581288

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D
Operator : BINXU
Acquired : 8 May 2008 2:52 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-4,05064-004,A,5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 38
Quant File :JAW0506.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

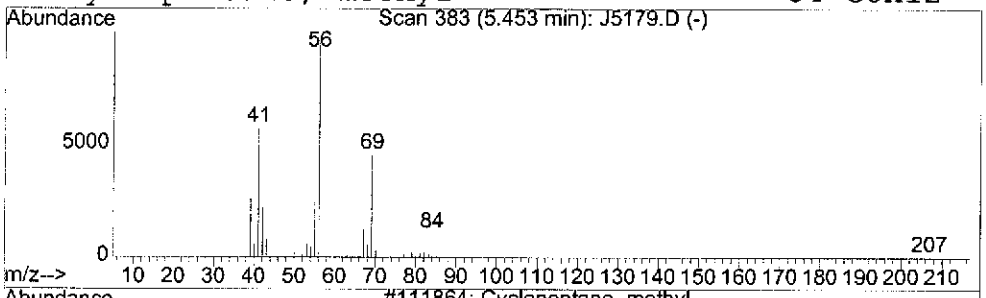
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

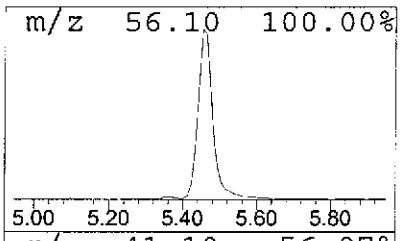
****

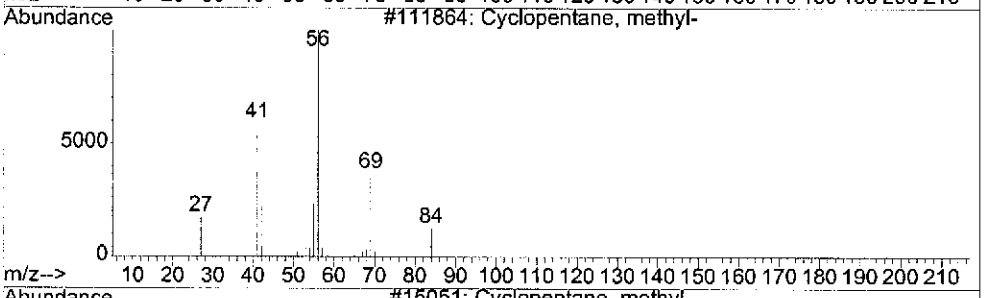
Peak Number 1 Unknown cyclic hydrocarbon Concentration Rank 10

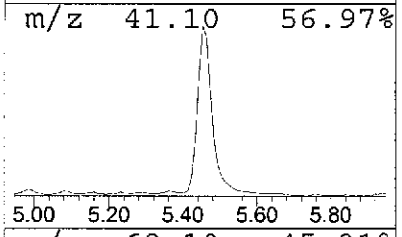
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	13.13 UG	363577	Pentafluorobenzene	6.18

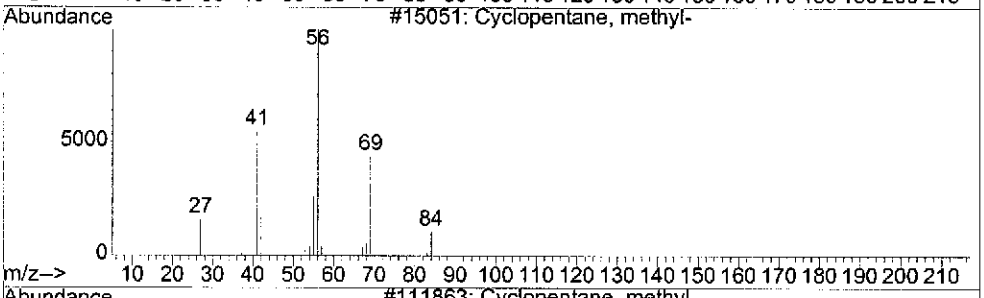
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	86

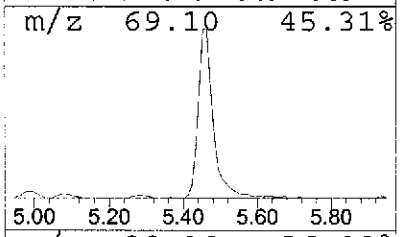


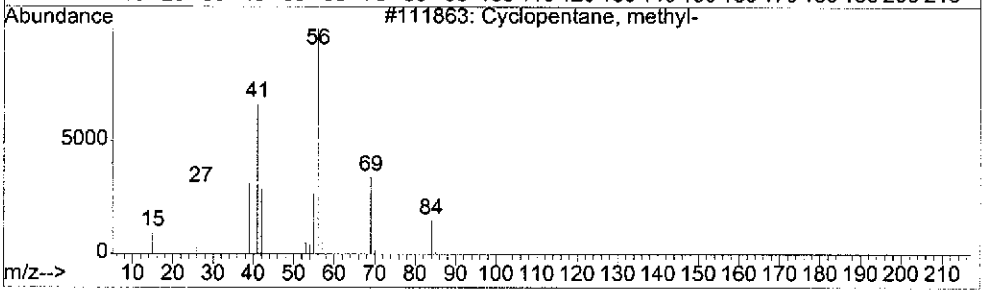


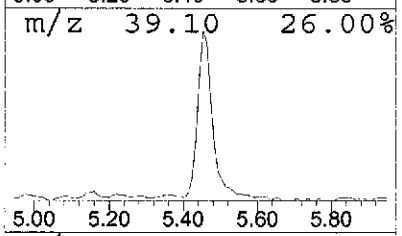


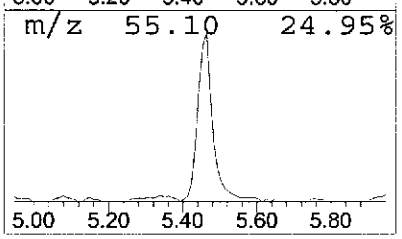












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

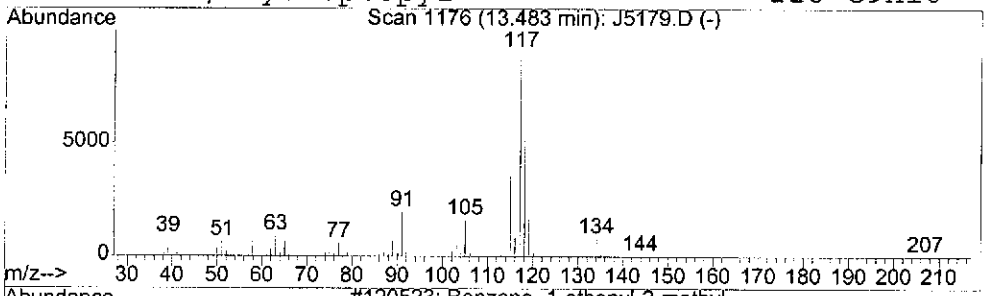
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

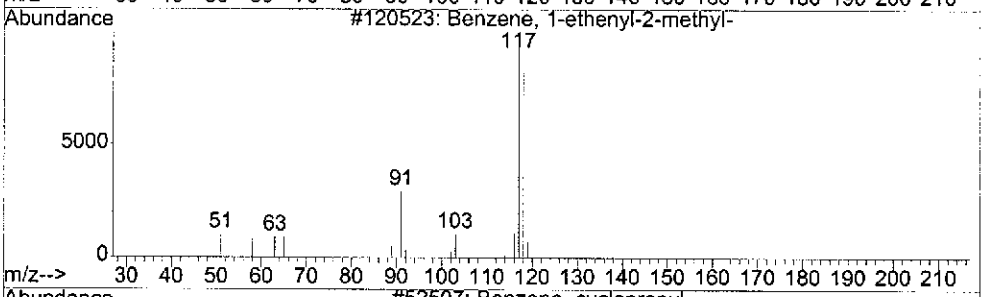
****

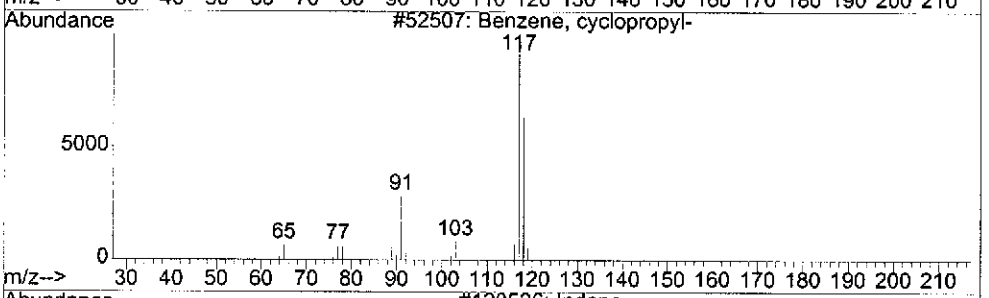
Peak Number 2 Unknown aromatic Concentration Rank 2

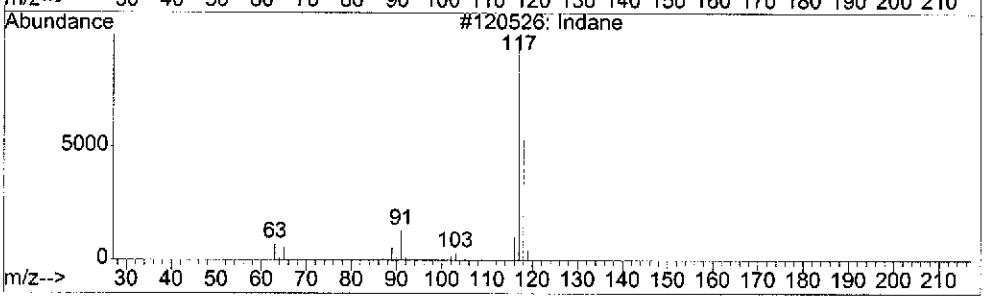
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	72.06 UG	2349260	Chlorobenzene-d5	10.33

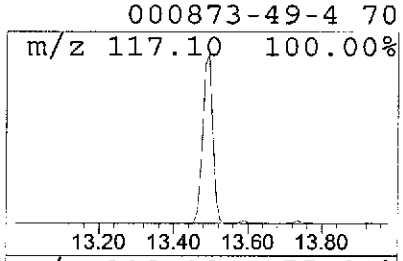
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70

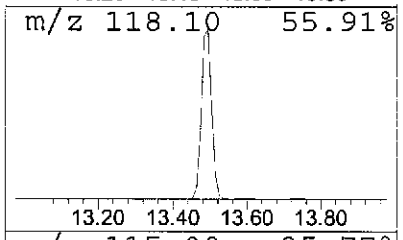


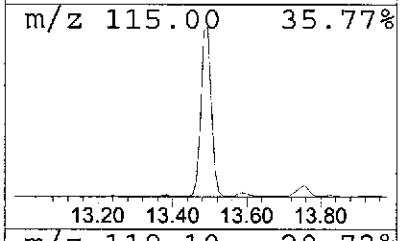


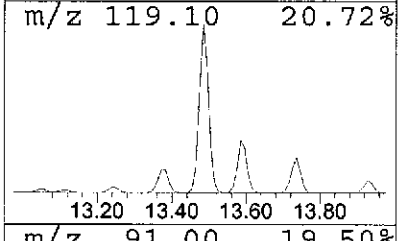


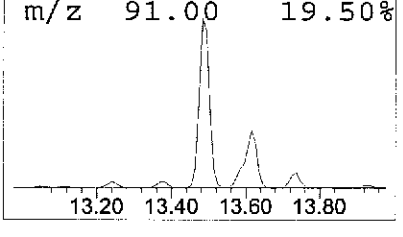












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

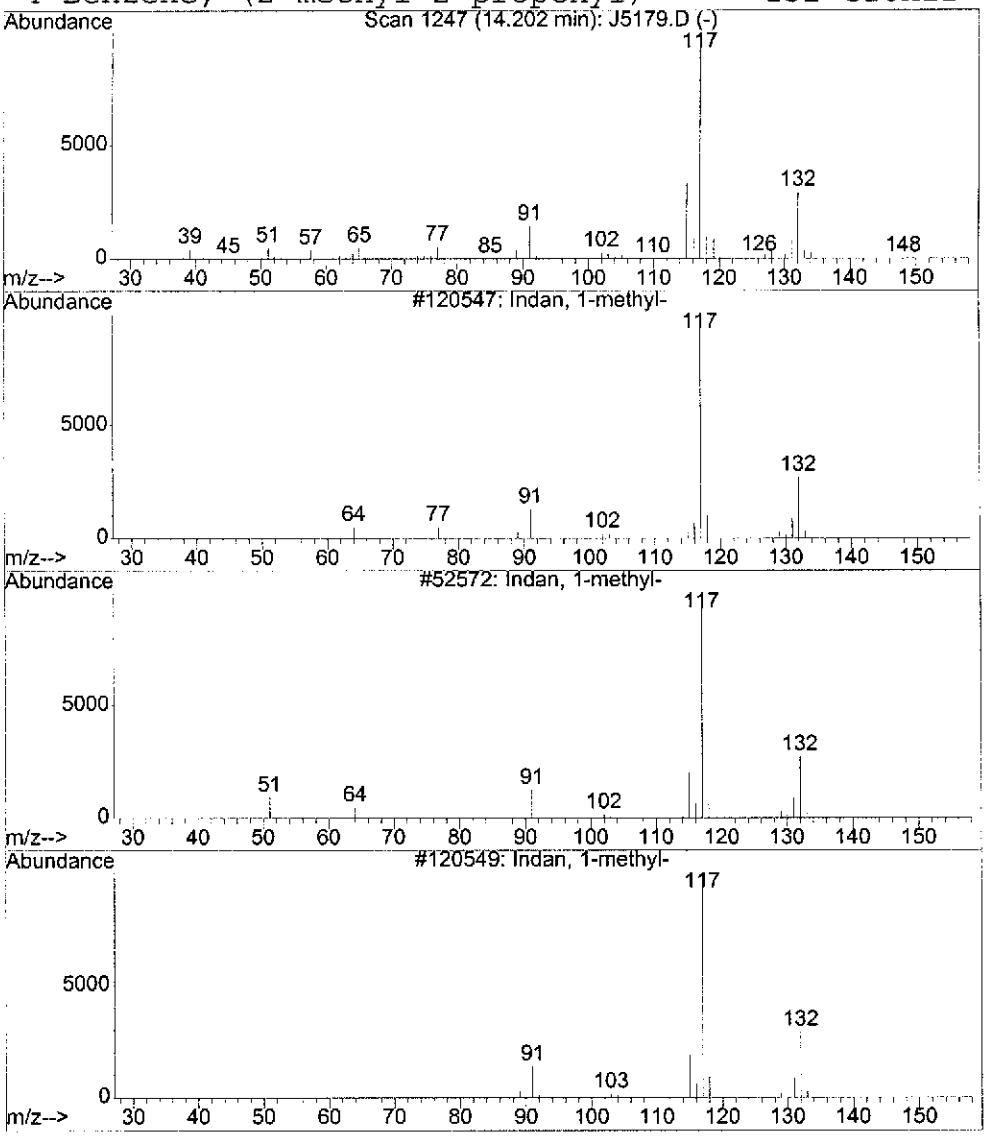
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

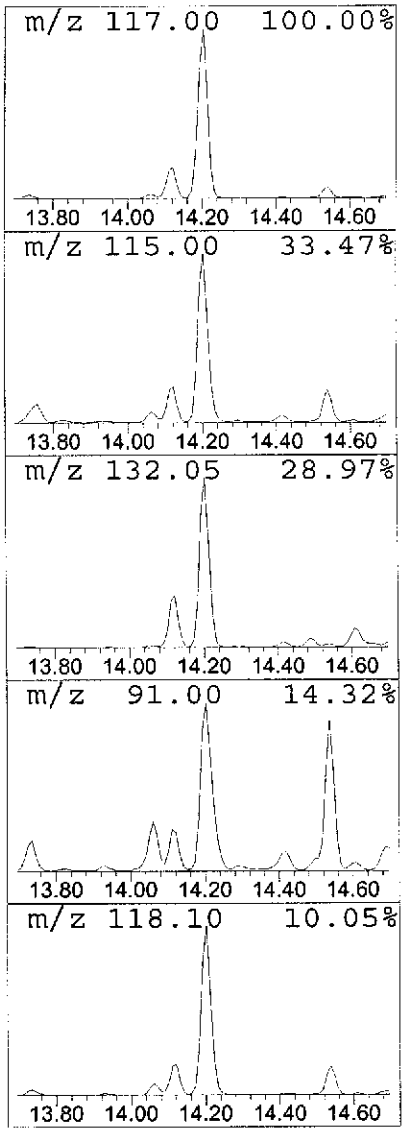
****

Peak Number 3 Unknown aromatic Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	40.91 UG	1333730	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

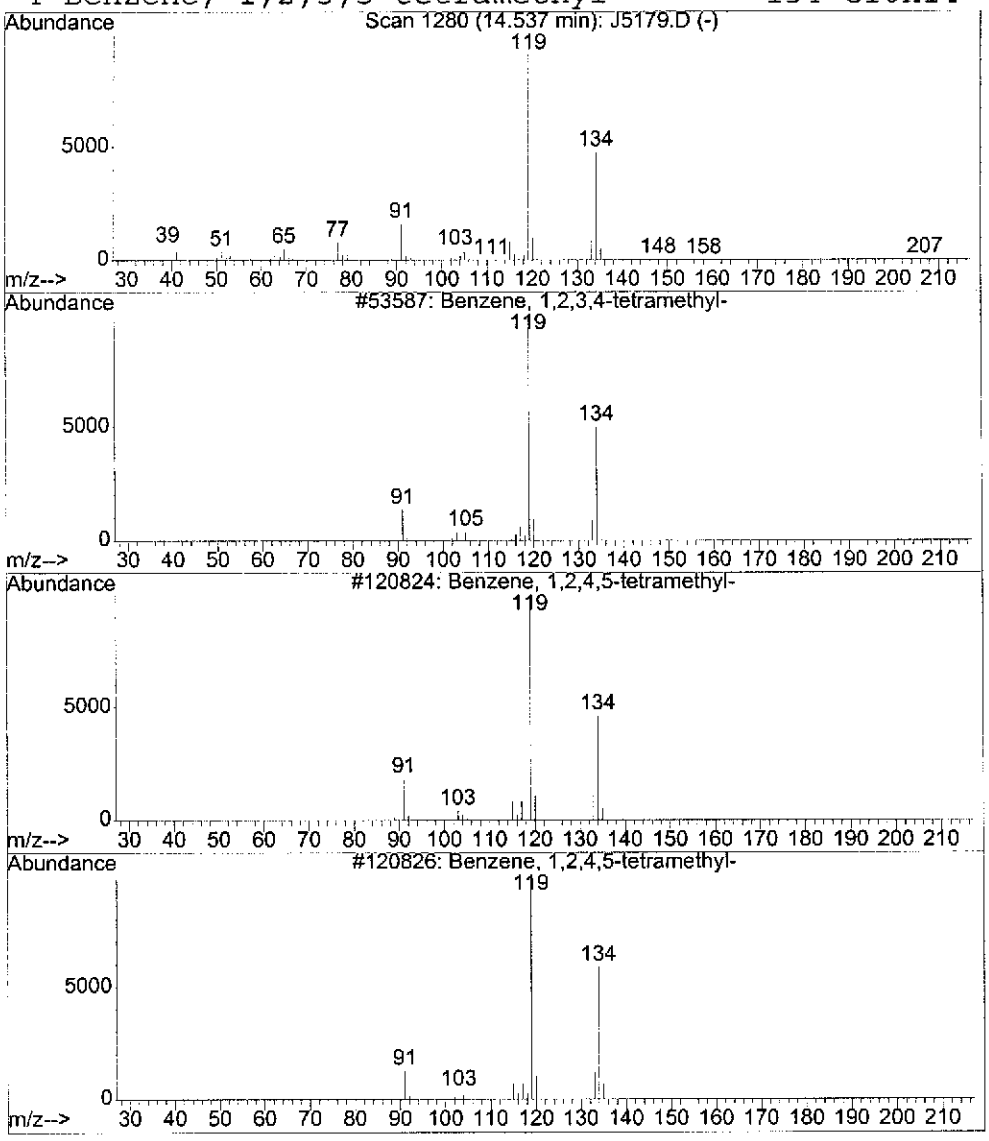
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

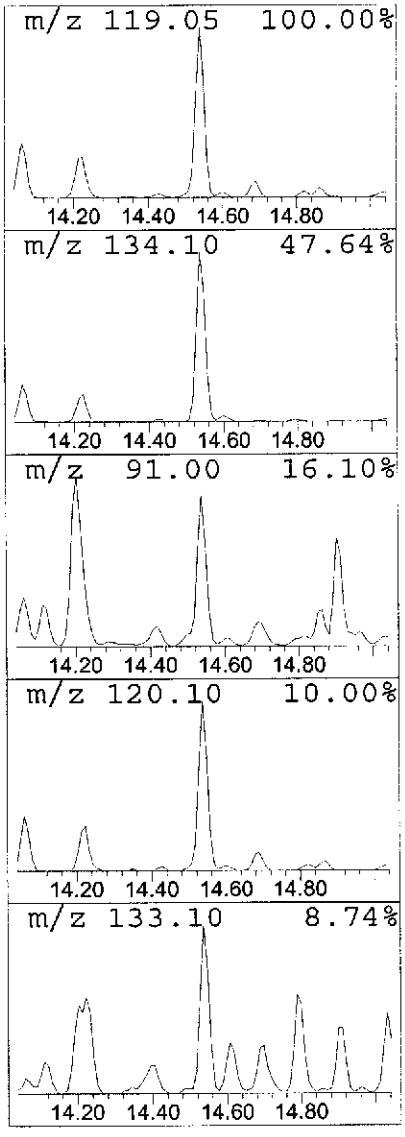
****

Peak Number 4 Unknown aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	26.79 UG	873264	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

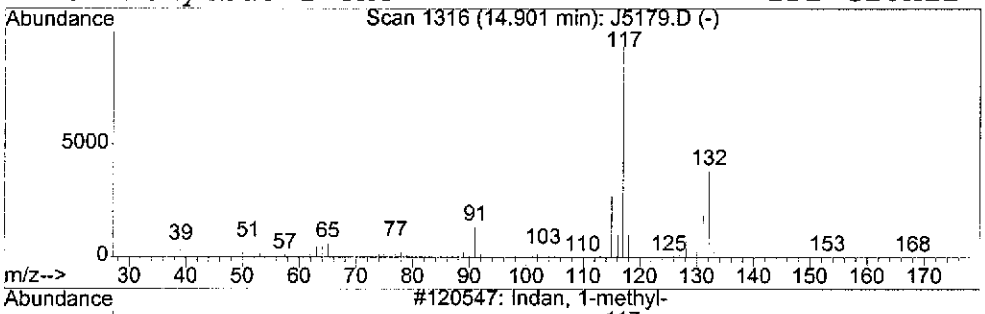
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

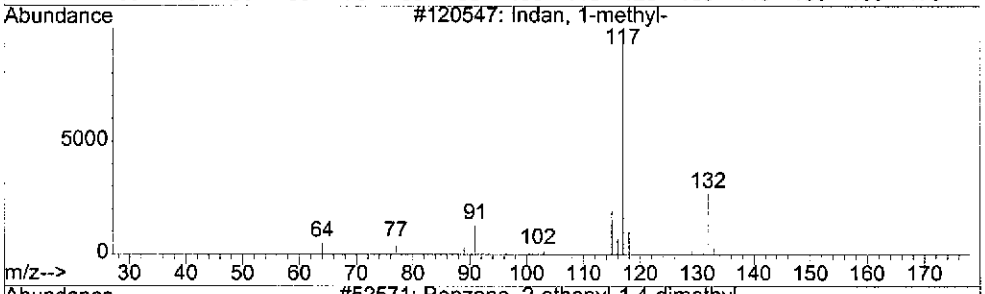
****

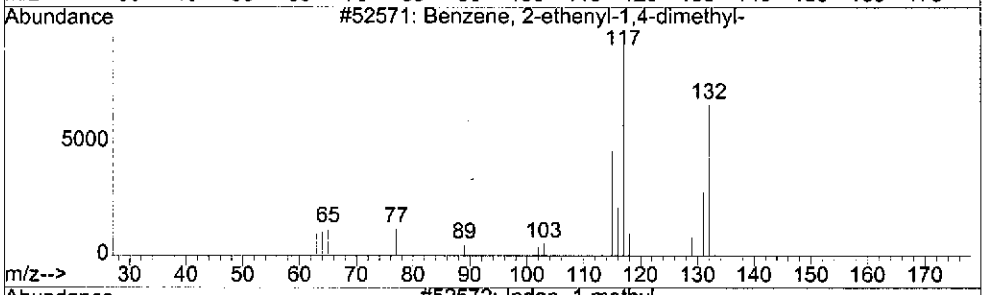
Peak Number 5 Unknown aromatic Concentration Rank 7

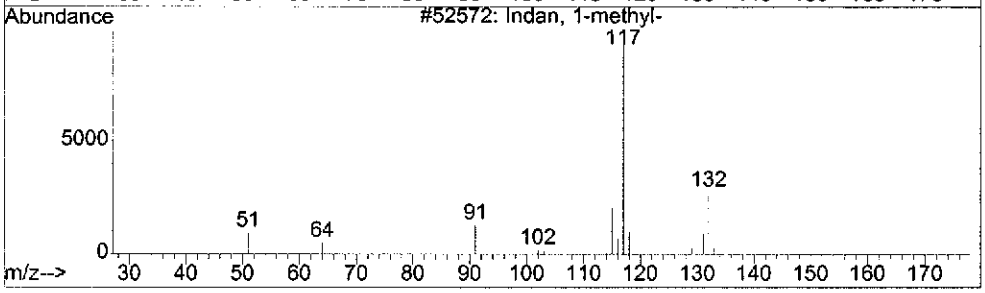
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	21.43 UG	698635	Chlorobenzene-d5	10.33

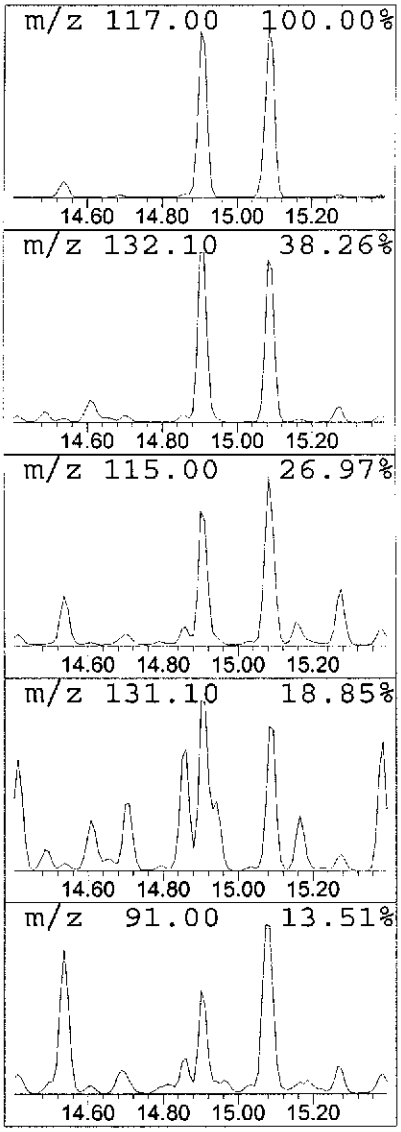
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Indan, 1-methyl-	132	C10H12	000767-58-8	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

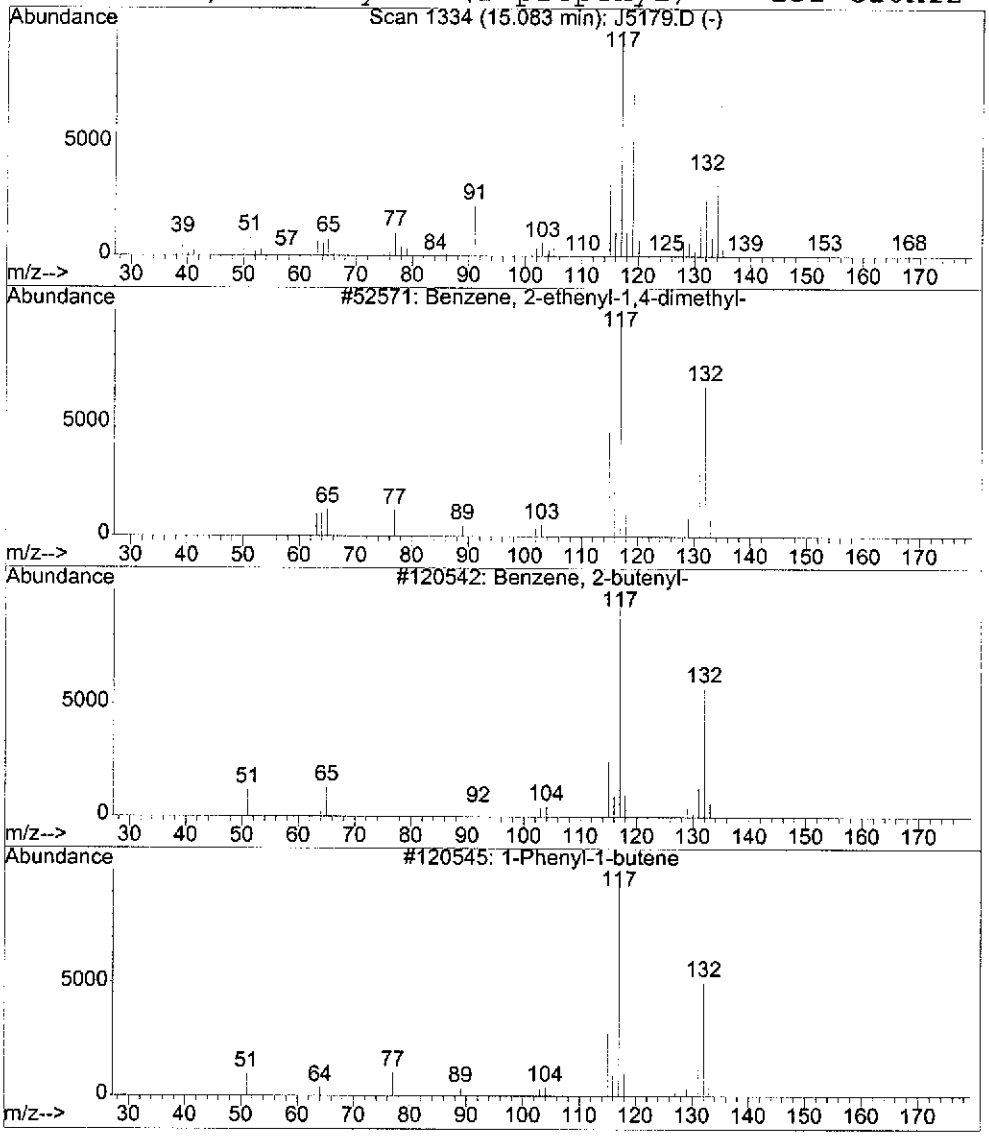
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

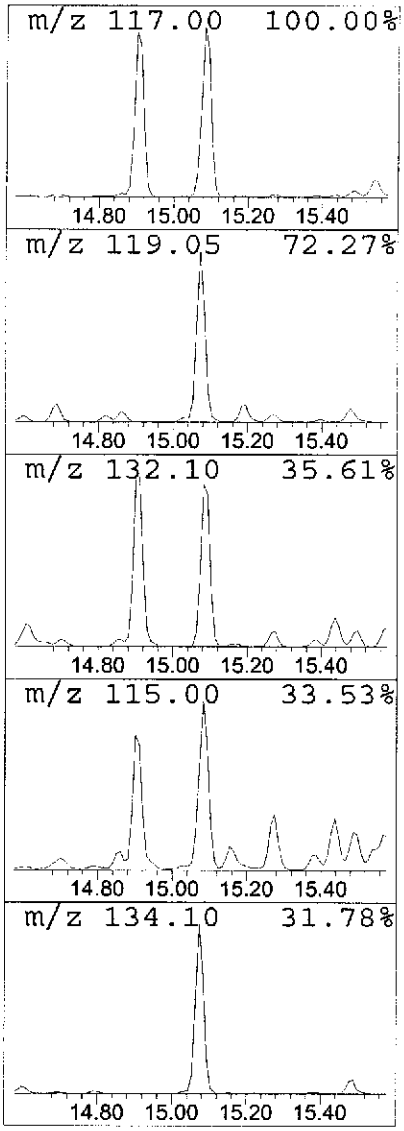
****

Peak Number 6 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	44.20 UG	1441100	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

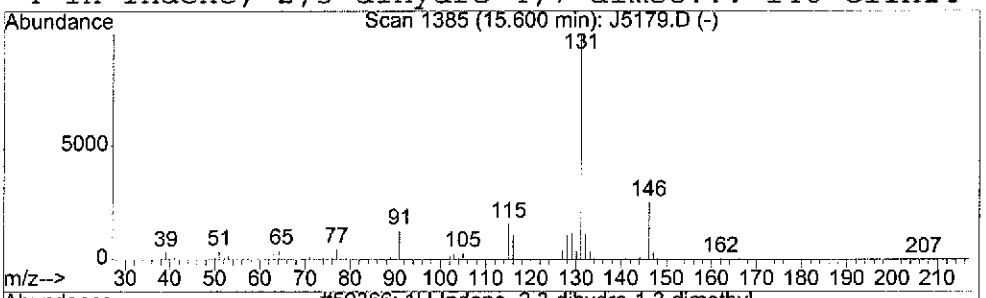
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

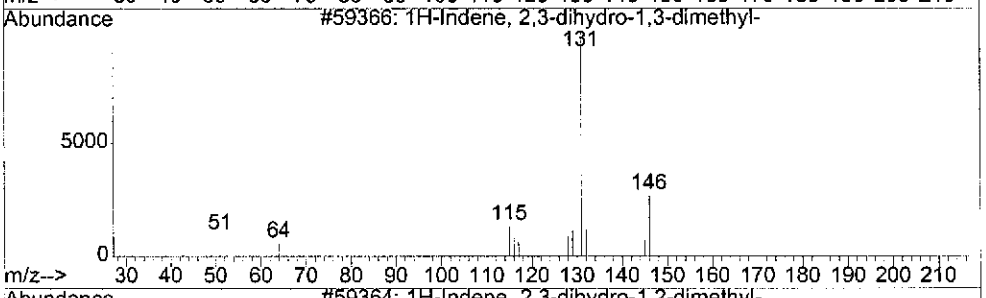
****

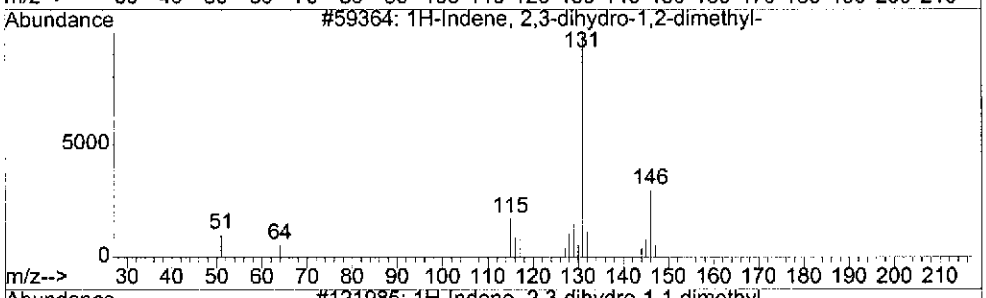
Peak Number 7 Unknown aromatic Concentration Rank 6

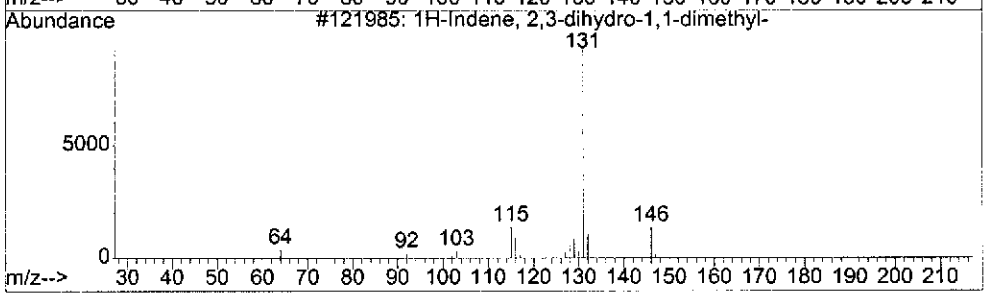
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	25.90 UG	844376	Chlorobenzene-d5	10.33

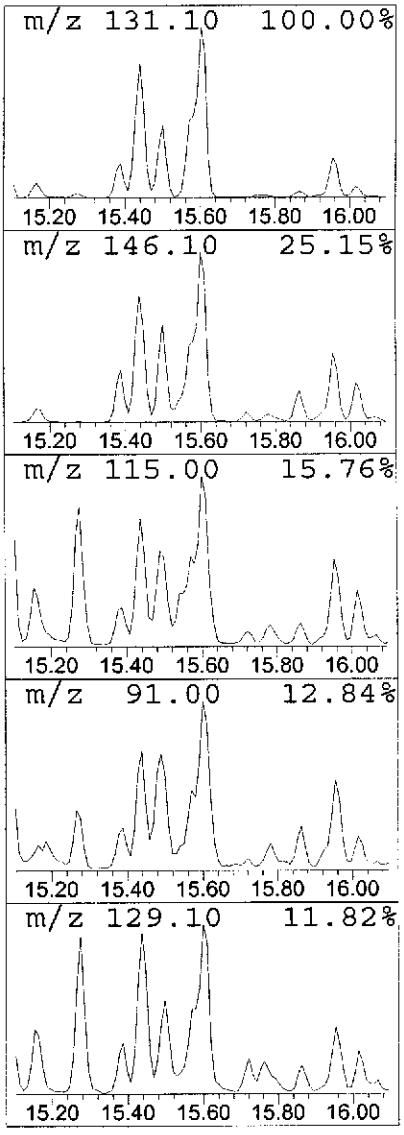
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

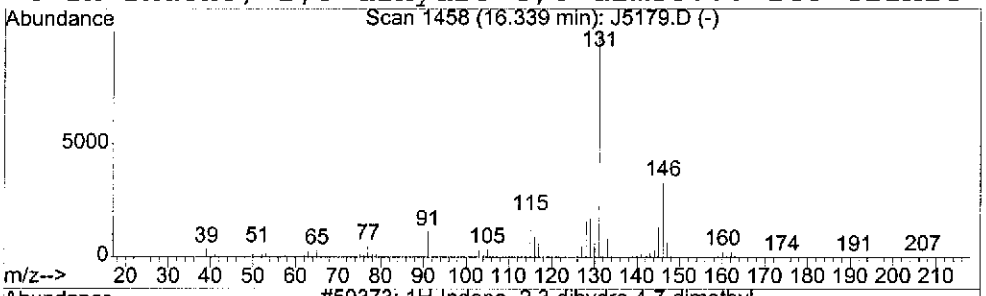
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

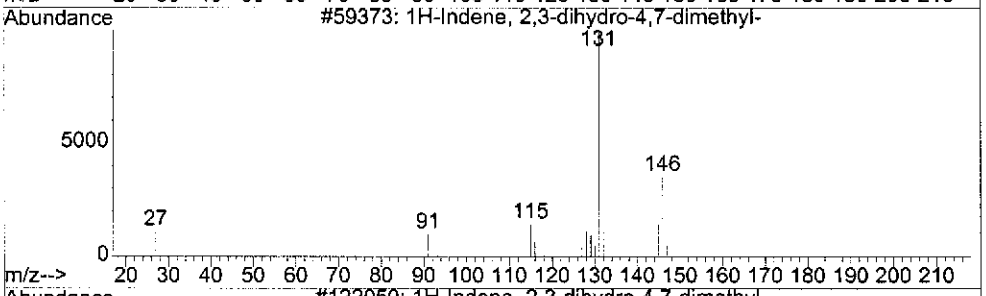
****

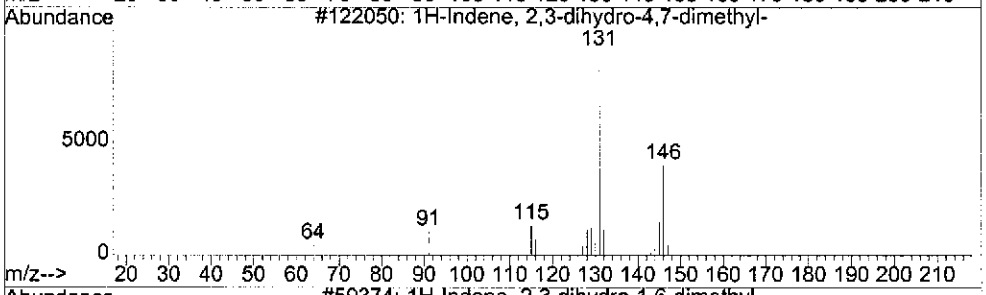
Peak Number 8 Unknown aromatic Concentration Rank 9

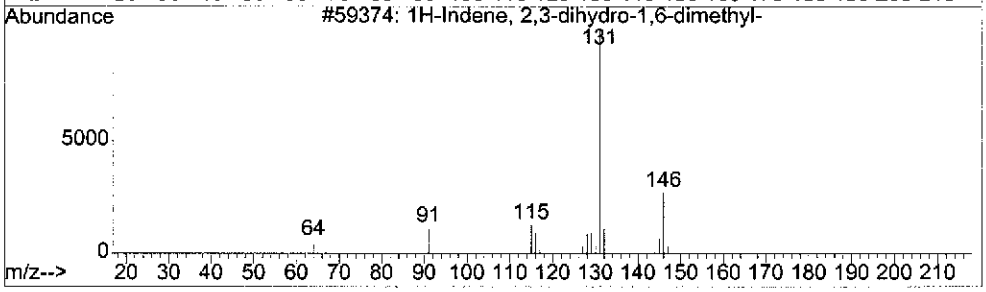
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	17.31 UG	564252	Chlorobenzene-d5	10.33

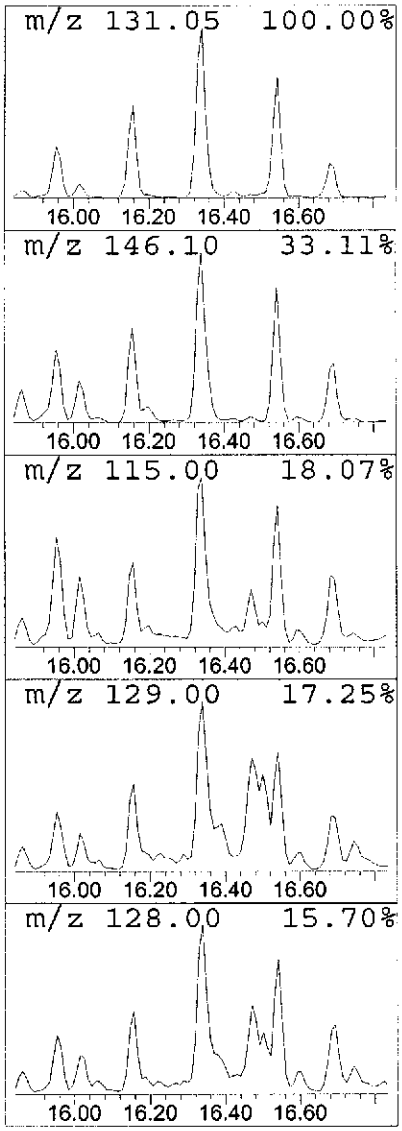
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

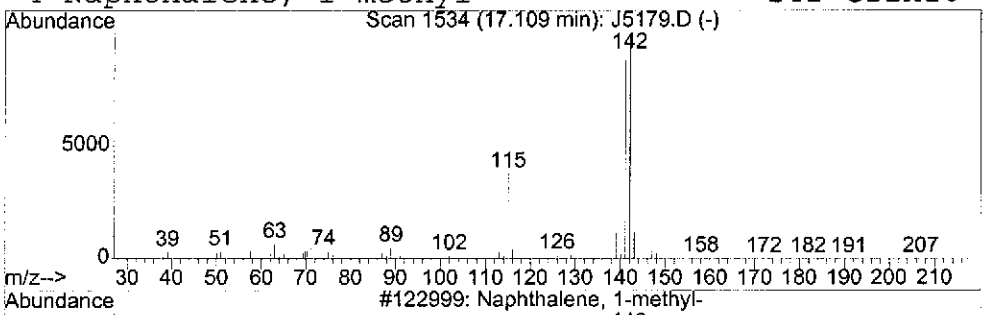
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

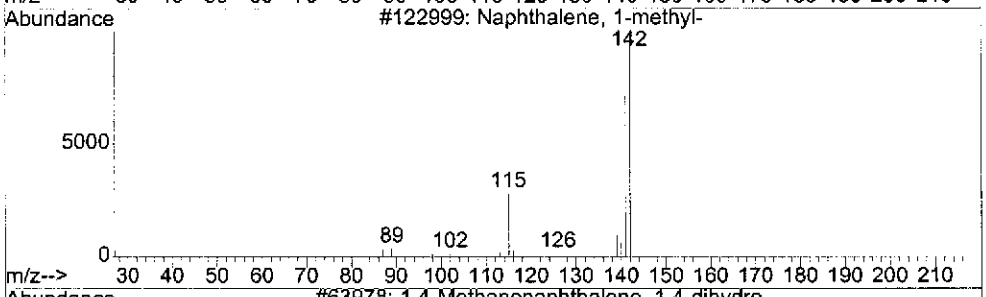
****

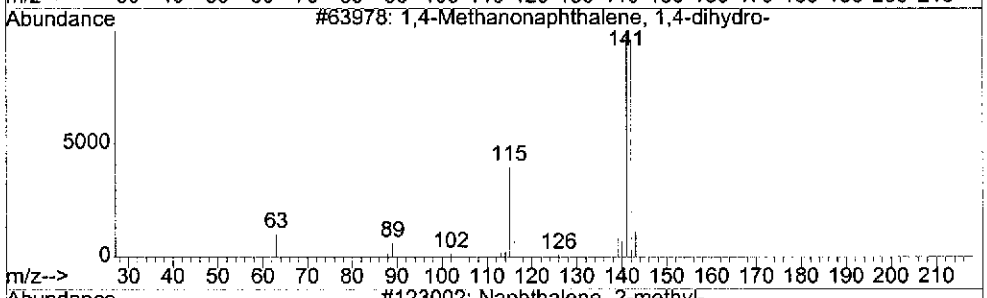
Peak Number 9 Unknown aromatic Concentration Rank 1

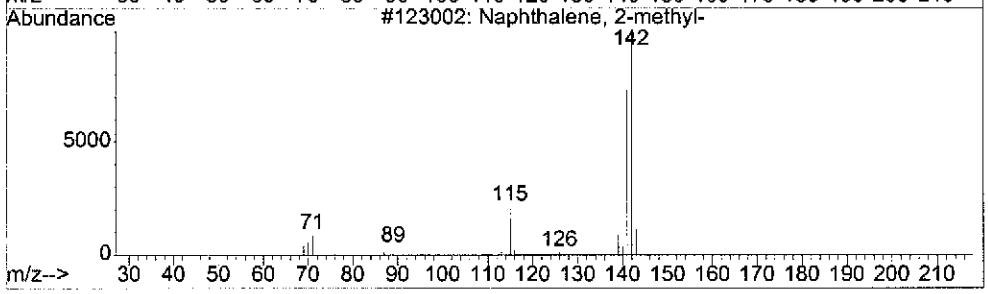
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	91.65 UG	2988020	Chlorobenzene-d5	10.33

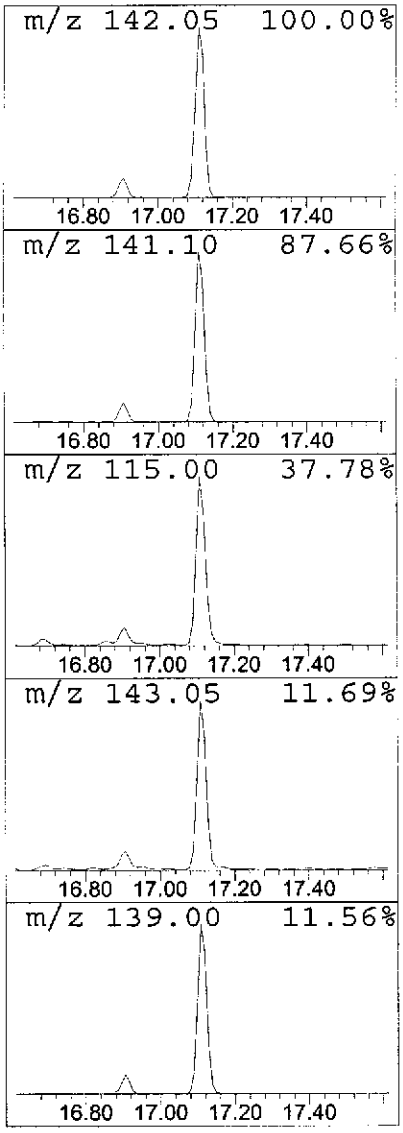
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5179.D Vial: 38
Acq On : 8 May 2008 2:52 am Operator: BINXU
Sample : MW-4,05064-004,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

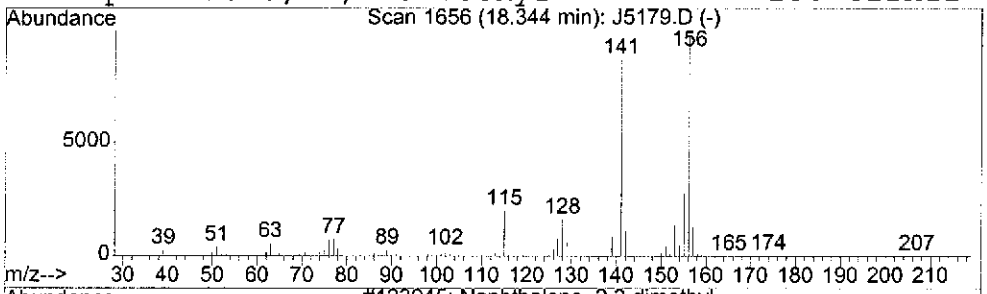
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

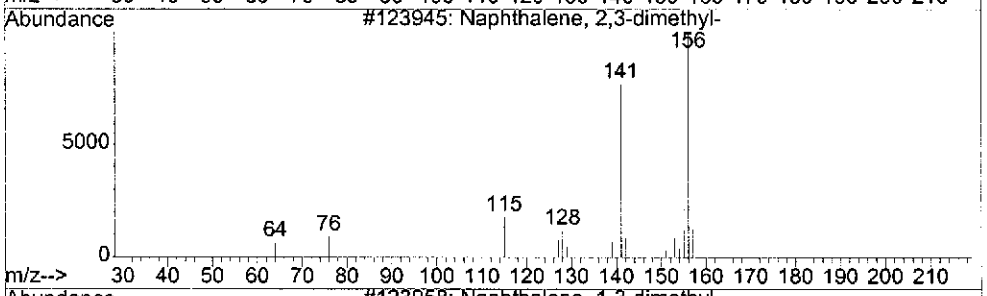
****

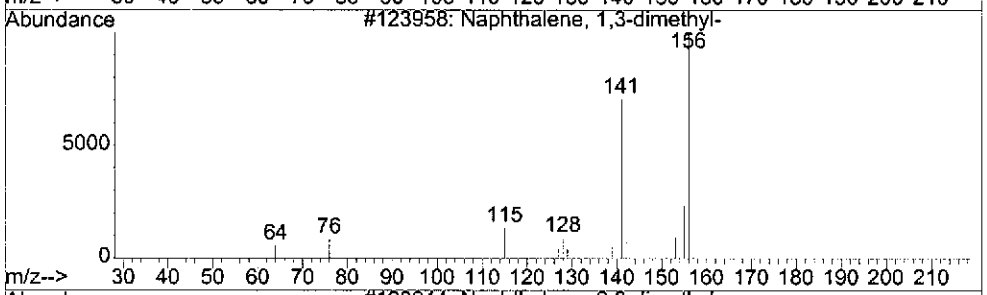
Peak Number 10 Unknown aromatic Concentration Rank 8

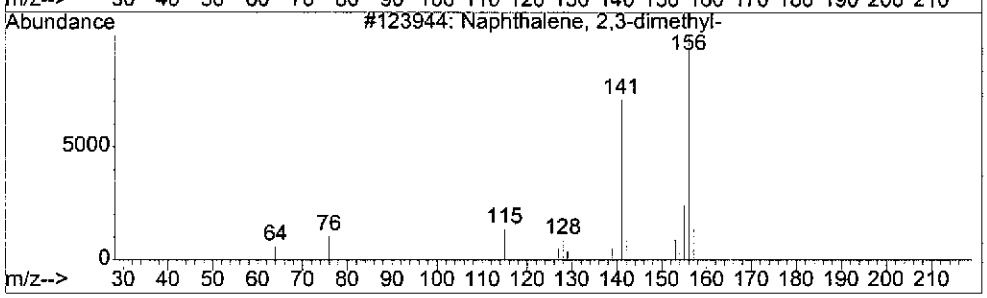
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	18.27 UG	595760	Chlorobenzene-d5	10.33

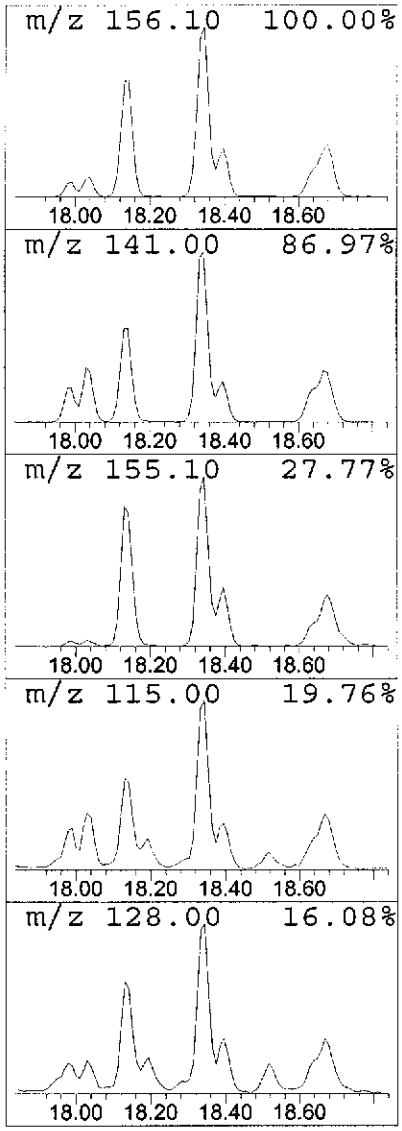
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96











Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5180.D Vial: 39
Acq On : 8 May 2008 3:19 am Operator: BINXU
Sample : MW-5,05064-005,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 03:39:12 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

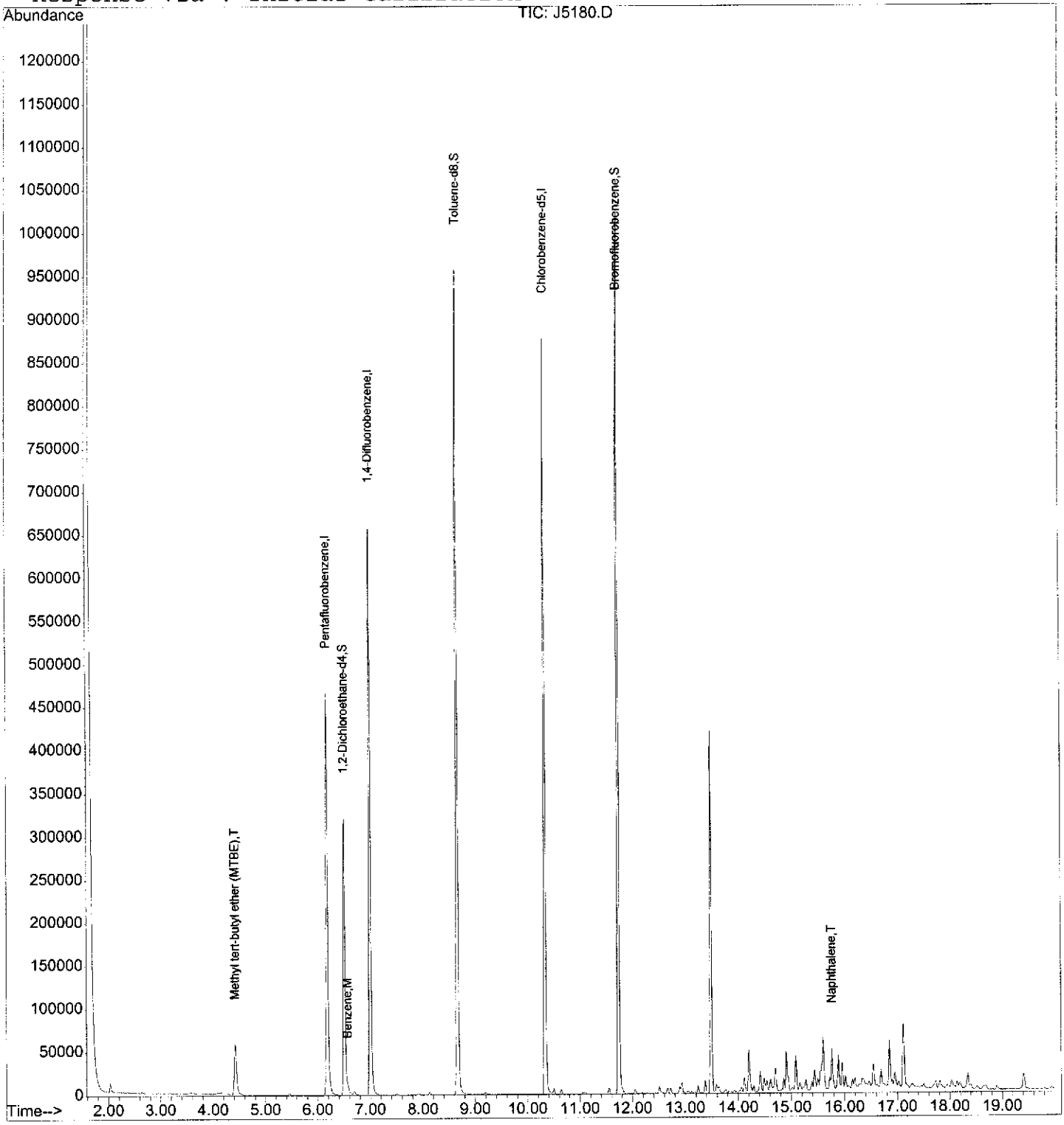
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	390669	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	651199	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	563151	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	284972	46.40	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 92.80%			
41) Toluene-d8	8.66	98	689031	45.87	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 91.74%			
59) Bromofluorobenzene	11.73	95	417898	47.62	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.24%			
Target Compounds						Qvalue
17) Methyl tert-butyl ether (M	4.42	73	80991	9.30	UG	100
32) Benzene	6.57	78	8067	0.53	UG	100
78) Naphthalene	15.76	128	36705	2.24	UG	100

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

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5180.D Vial: 39
Acq On : 8 May 2008 3:19 am Operator: BINXU
Sample : MW-5,05064-005,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:32 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5180.D Vial: 39
Acq On : 8 May 2008 3:19 am Operator: BINXU
Sample : MW-5,05064-005,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

Signal : TIC

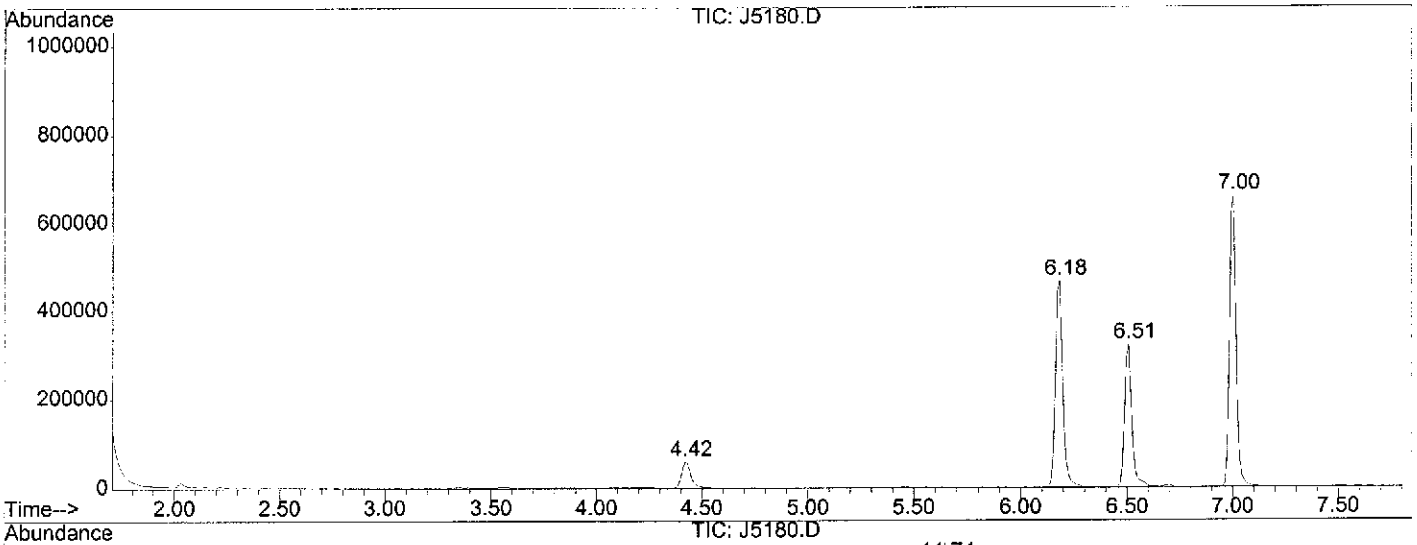
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.420	275	281	298	rBB	58062	181799	9.10%	1.601%
2	6.182	447	455	471	rBB	466423	1111613	55.64%	9.788%
3	6.506	481	487	501	rBB	320955	750097	37.54%	6.605%
4	7.003	528	536	558	rBB	658153	1444928	72.32%	12.722%
5	8.663	694	700	720	rBB	957355	1894224	94.81%	16.679%
6	10.334	860	865	877	rBB	877036	1628488	81.51%	14.339%
7	11.742	998	1004	1018	rBB	1036690	1997929	100.00%	17.592%
8	13.372	1161	1165	1171	rBB	14739	25766	1.29%	0.227%
9	13.493	1172	1177	1182	rBB	419686	797956	39.94%	7.026%
10	14.121	1236	1239	1243	rBB	15892	29897	1.50%	0.263%
11	14.202	1243	1247	1253	rBB2	47171	102713	5.14%	0.904%
12	14.415	1261	1268	1272	rBB2	24091	49034	2.45%	0.432%
13	14.486	1272	1275	1278	rBB4	11768	20550	1.03%	0.181%
14	14.607	1284	1287	1291	rBB3	12515	26237	1.31%	0.231%
15	14.698	1291	1296	1301	rBB2	24165	52388	2.62%	0.461%
16	14.901	1314	1316	1323	rBB2	43751	97849	4.90%	0.862%
17	15.083	1330	1334	1338	rBB2	38735	73839	3.70%	0.650%
18	15.266	1345	1352	1358	rBB6	12087	31398	1.57%	0.276%
19	15.438	1366	1369	1372	rBB	21156	35882	1.80%	0.316%
20	15.600	1377	1385	1391	rBB2	58180	172366	8.63%	1.518%
21	15.762	1394	1401	1408	rBB2	47295	114888	5.75%	1.012%
22	15.883	1408	1413	1417	rBB	37199	70964	3.55%	0.625%
23	15.954	1417	1420	1424	rBB	27056	44472	2.23%	0.392%
24	16.329	1448	1457	1465	rBB8	8293	34578	1.73%	0.304%
25	16.541	1474	1478	1483	rBB2	25277	51738	2.59%	0.456%
26	16.693	1489	1493	1503	rBB2	20751	48376	2.42%	0.426%
27	16.855	1503	1509	1515	rBB	52007	99237	4.97%	0.874%
28	16.957	1515	1519	1523	rBB3	14477	27285	1.37%	0.240%
29	17.119	1530	1535	1546	rBB3	73472	182649	9.14%	1.608%
30	17.736	1588	1596	1599	rBB4	8981	25251	1.26%	0.222%
31	17.807	1599	1603	1612	rBB6	8828	26504	1.33%	0.233%

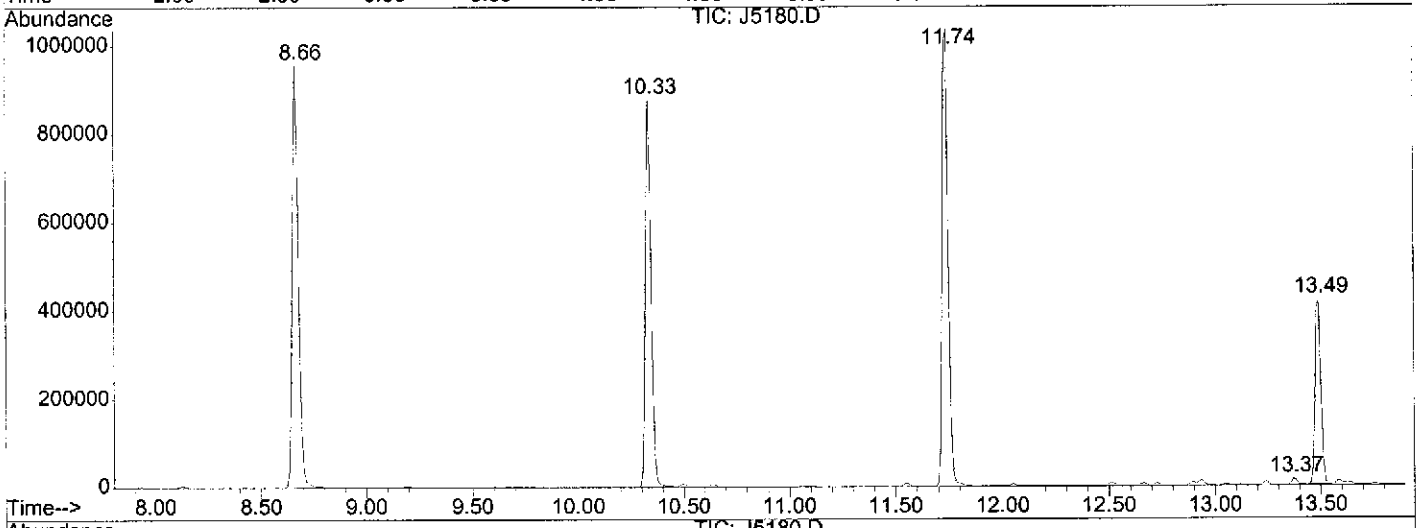
32	18.344	1648	1656	1659	rBB2	14936	33976	1.70%	0.299%
33	18.678	1681	1689	1699	rBB6	4908	21636	1.08%	0.191%
34	19.407	1752	1761	1767	rBB3	17889	50767	2.54%	0.447%

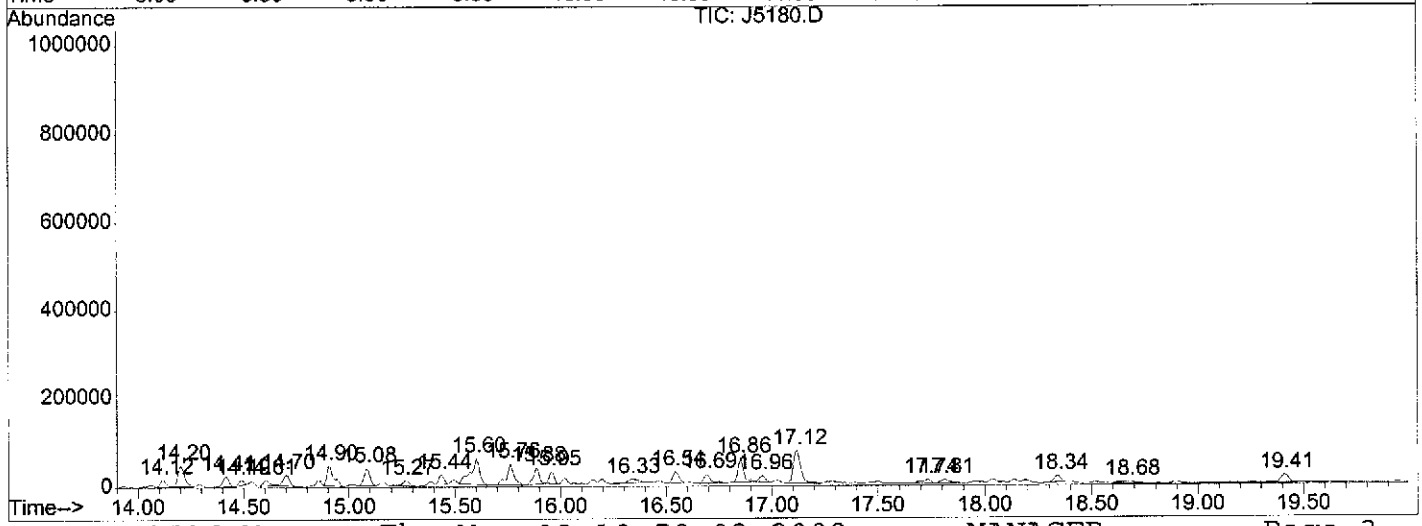
Sum of corrected areas: 11357274

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5180.D
Operator : BINXU
Acquired : 8 May 2008 3:19 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-5,05064-005,A,5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 39
Quant File :JAW0506.RES (RTE Integrator)







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5180.D Vial: 39
Acq On : 8 May 2008 3:19 am Operator: BINXU
Sample : MW-5,05064-005,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

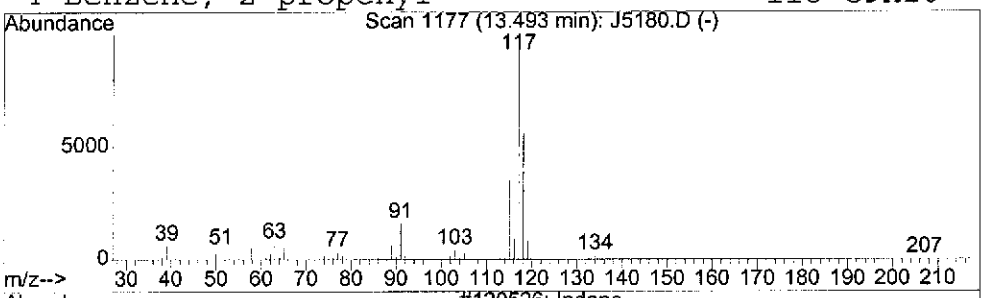
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

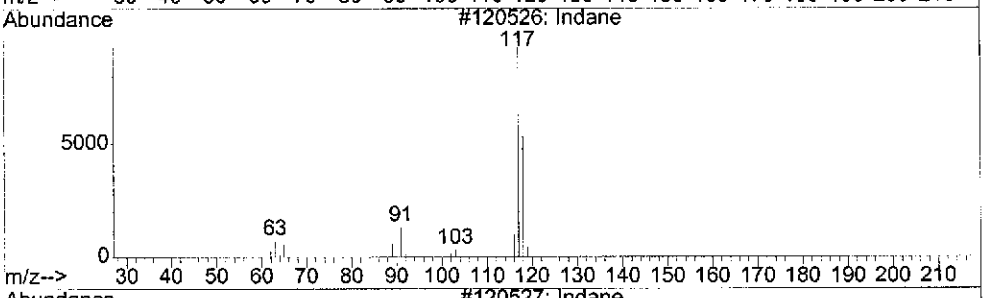
****

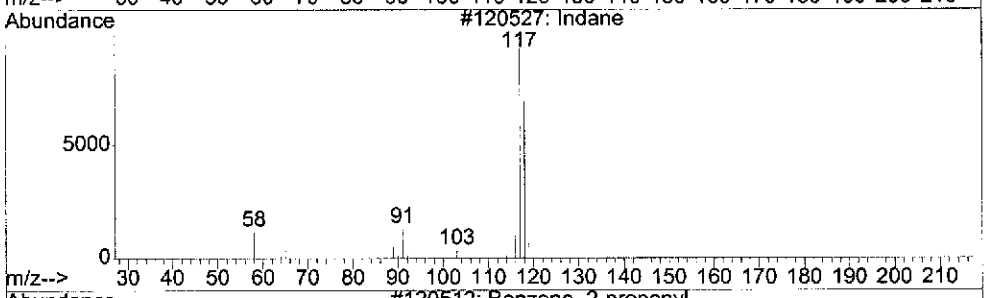
Peak Number 1 Unknown aromatic Concentration Rank 1

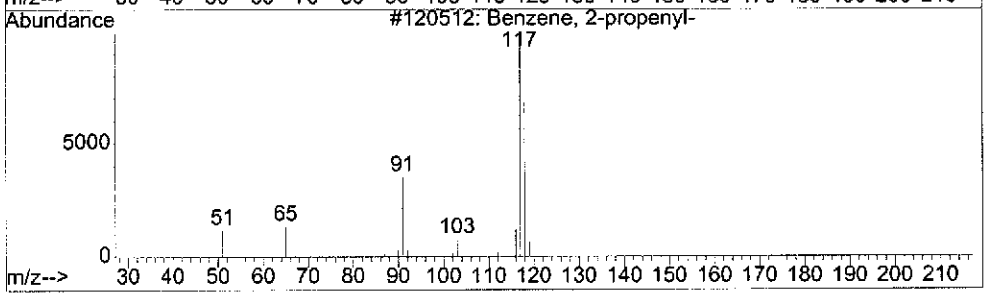
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	24.50 UG	797956	Chlorobenzene-d5	10.33

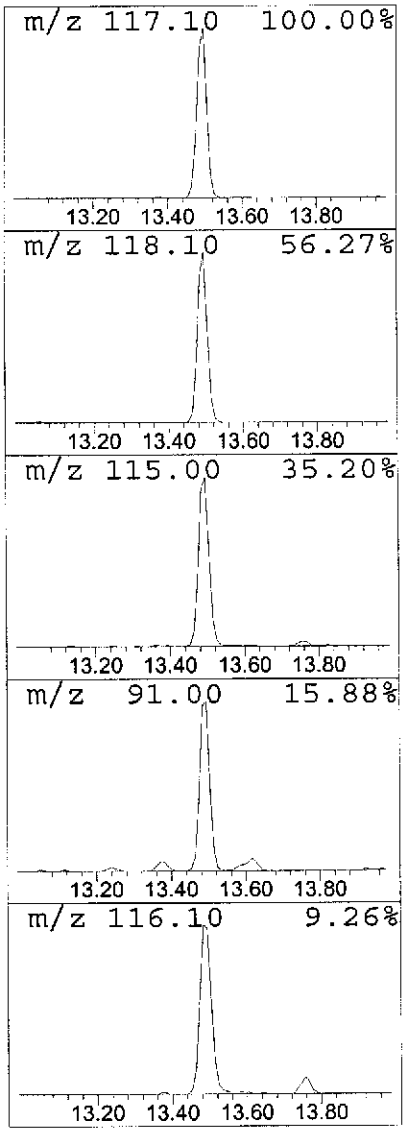
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	80











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5180.D Vial: 39
Acq On : 8 May 2008 3:19 am Operator: BINXU
Sample : MW-5,05064-005,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

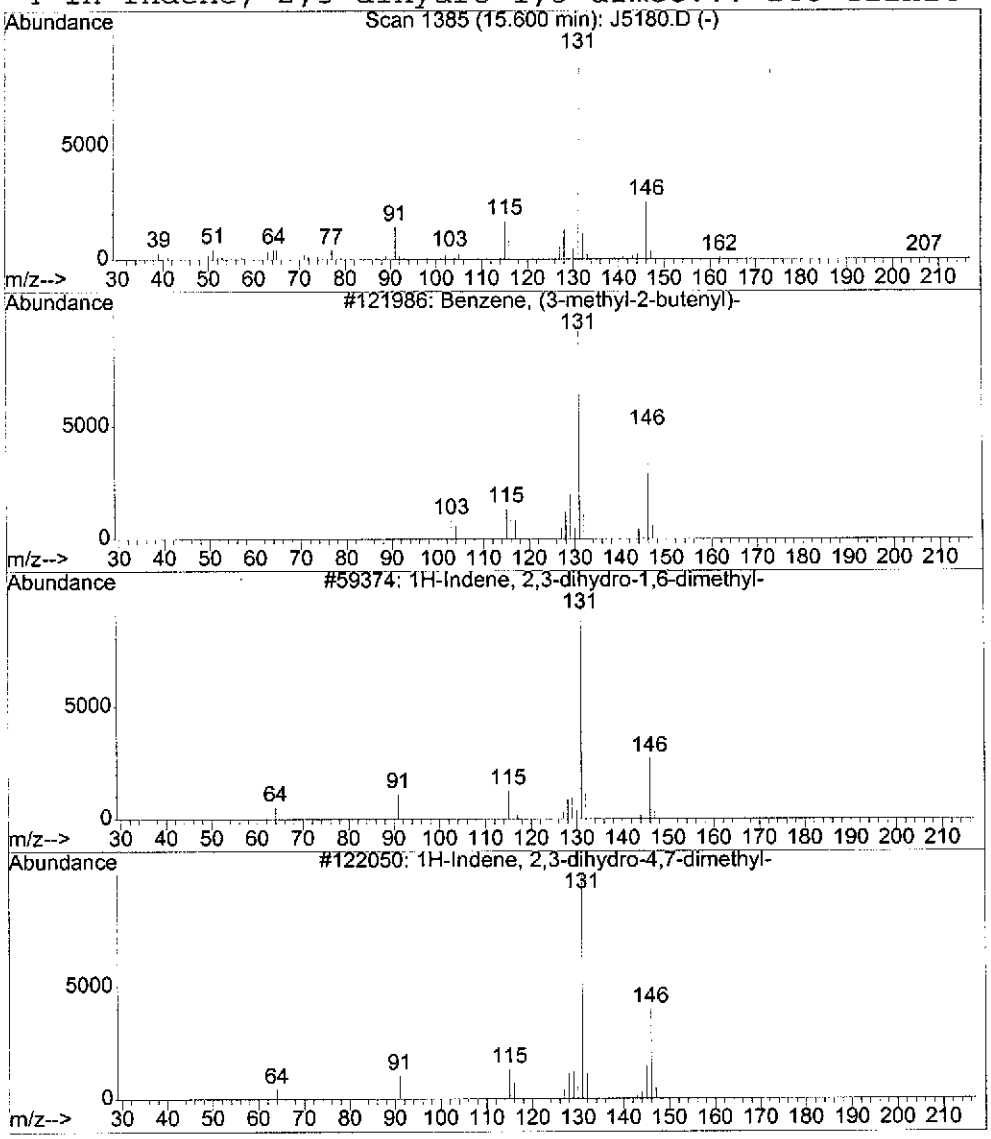
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

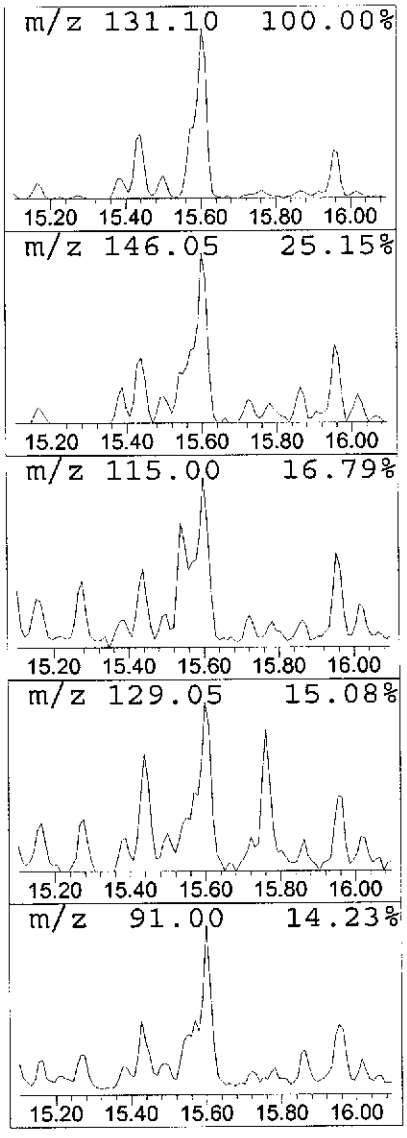
****

Peak Number 2 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	5.29 UG	172366	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5180.D
Acq On : 8 May 2008 3:19 am
Sample : MW-5,05064-005,A,5ml,100
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
MS Integration Params: LSCINT.P

Vial: 39
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

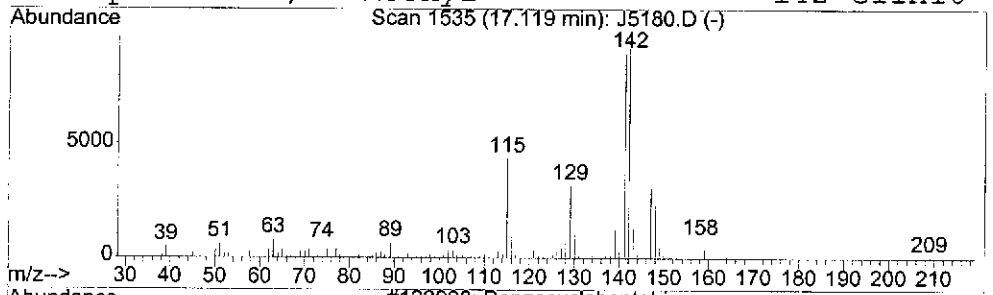
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

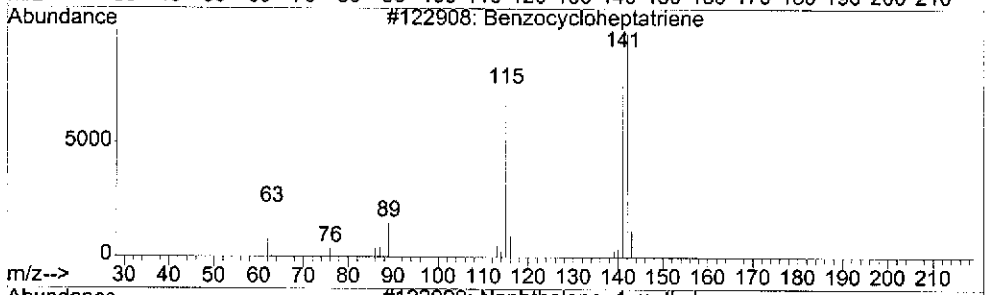
****

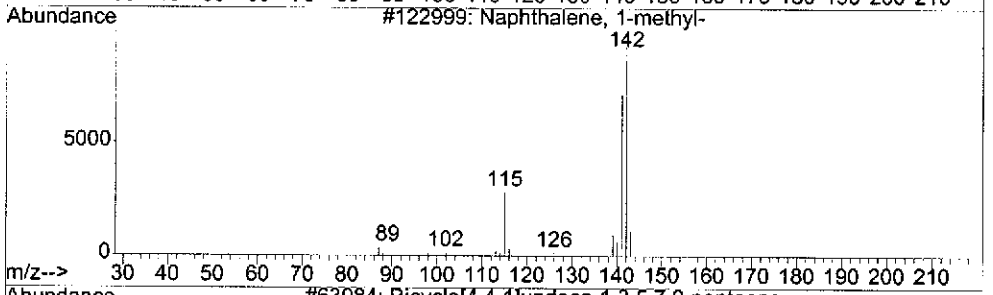
Peak Number 3 Unknown aromatic Concentration Rank 2

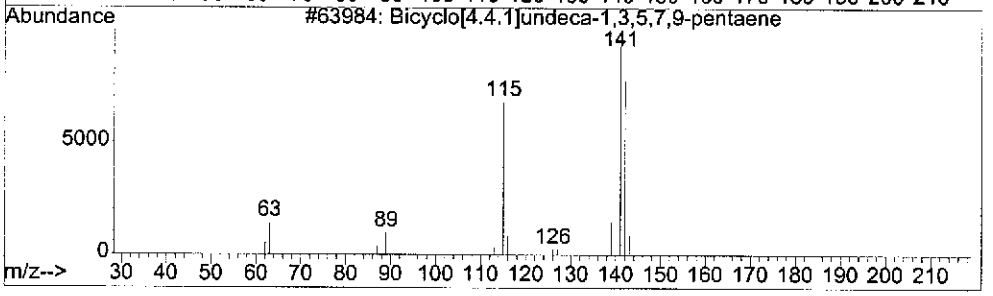
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	5.61 UG	182649	Chlorobenzene-d5	10.33

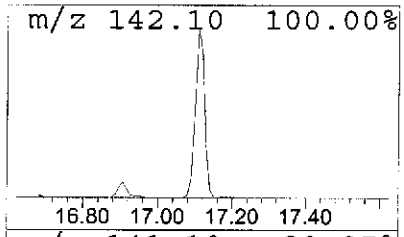
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	86
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	70
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70

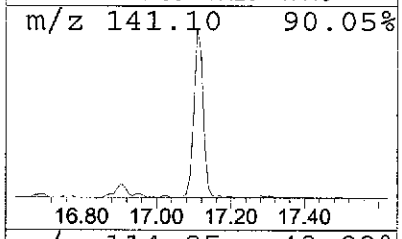


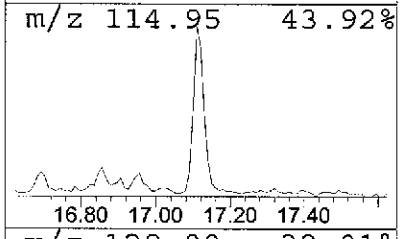


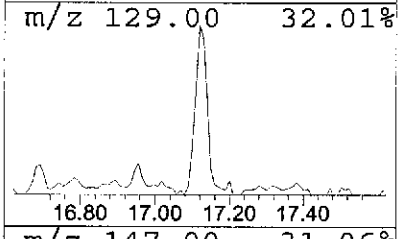


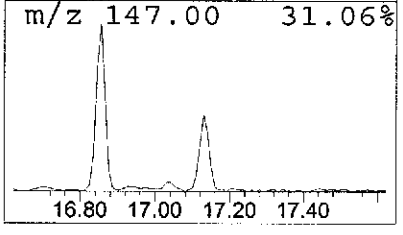












Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5181.D Vial: 40
Acq On : 8 May 2008 3:45 am Operator: BINXU
Sample : MW-6,05064-006,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 04:06:03 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	378508	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	638447	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	555135	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	288977	48.56	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 97.12%			
41) Toluene-d8	8.66	98	670589	45.53	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 91.06%			
59) Bromofluorobenzene	11.73	95	410190	47.42	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.84%			

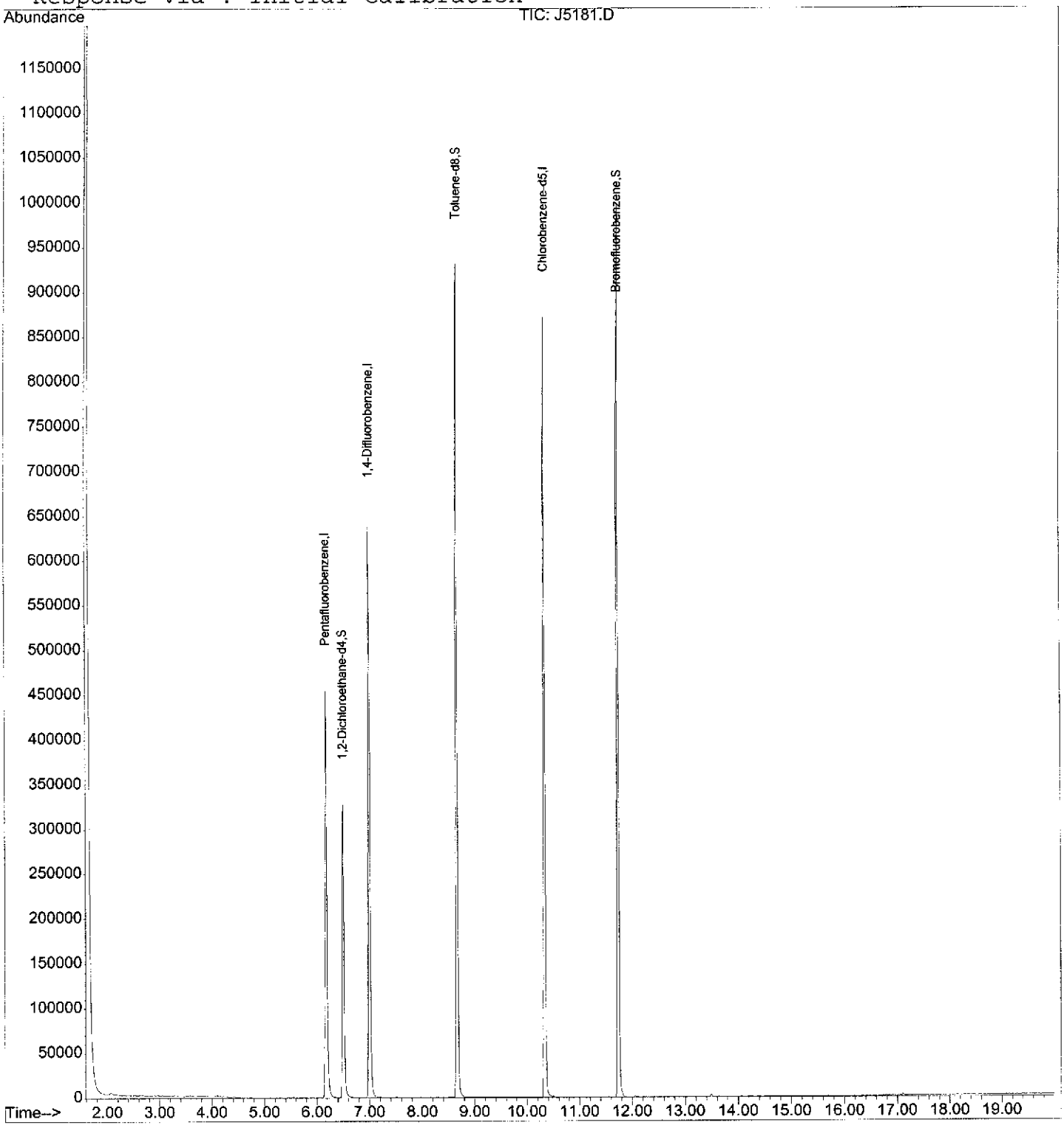
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5181.D Vial: 40
Acq On : 8 May 2008 3:45 am Operator: BINXU
Sample : MW-6,05064-006,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:32 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5181.D Vial: 40
Acq On : 8 May 2008 3:45 am Operator: BINXU
Sample : MW-6,05064-006,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

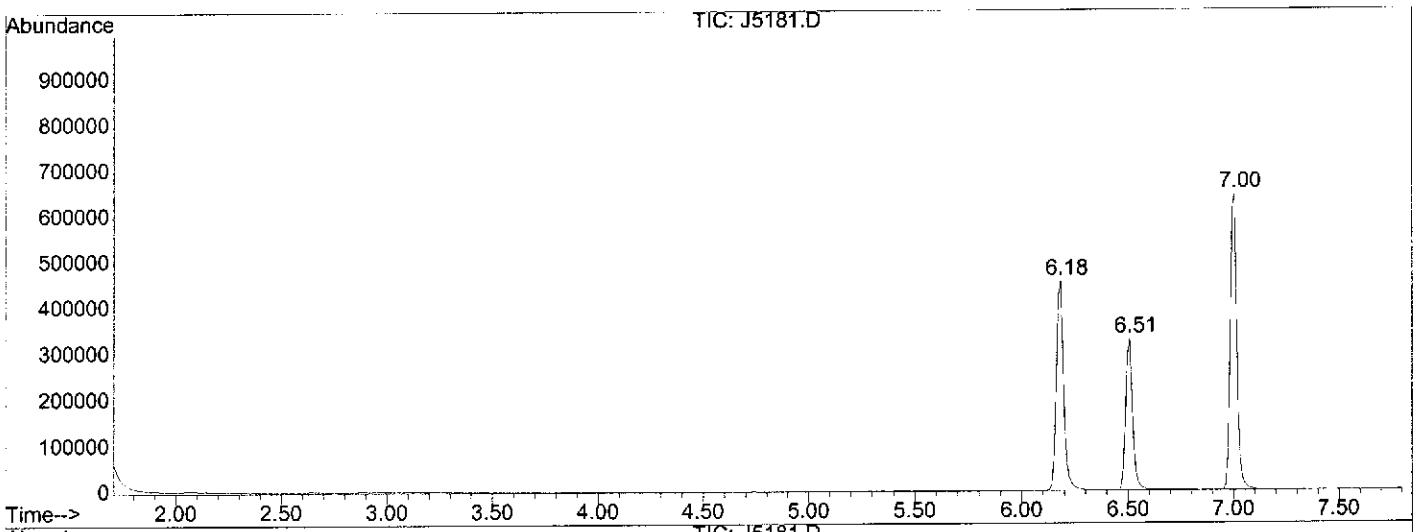
Signal : TIC

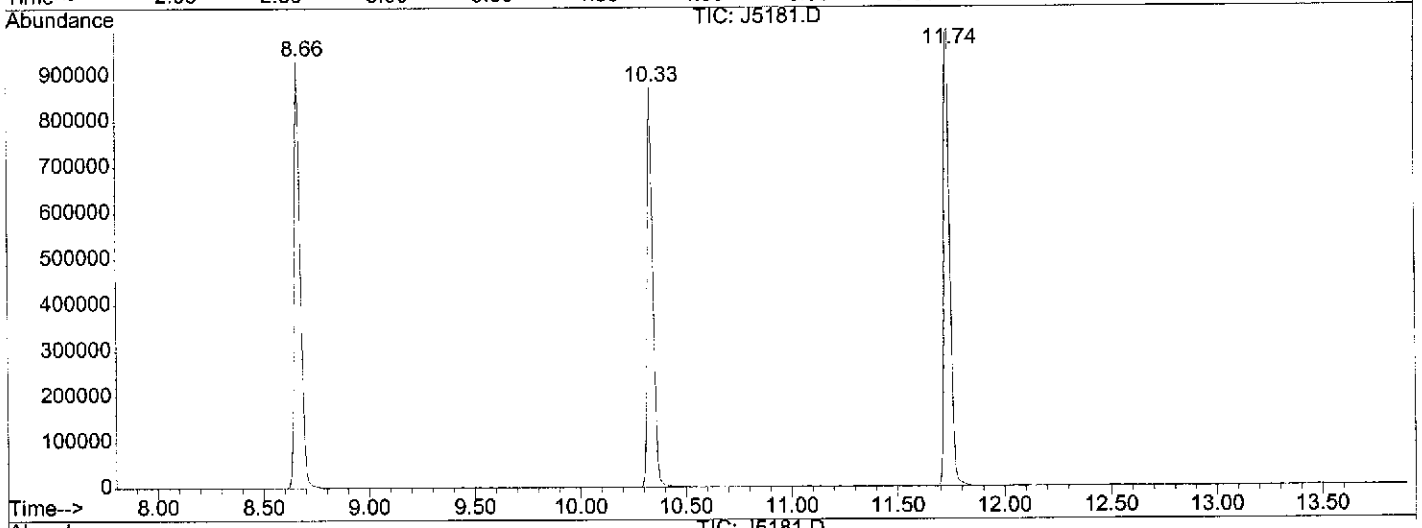
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.182	445	455	478	rBB	454763	1081471	55.17%	12.510%
2	6.506	478	487	509	rBB	327986	742434	37.88%	8.588%
3	7.002	528	536	553	rBB	642529	1407688	71.81%	16.284%
4	8.663	693	700	723	rBB	931588	1842033	93.97%	21.309%
5	10.334	860	865	880	rBB	872081	1610713	82.17%	18.633%
6	11.741	997	1004	1022	rBB	998712	1960211	100.00%	22.676%

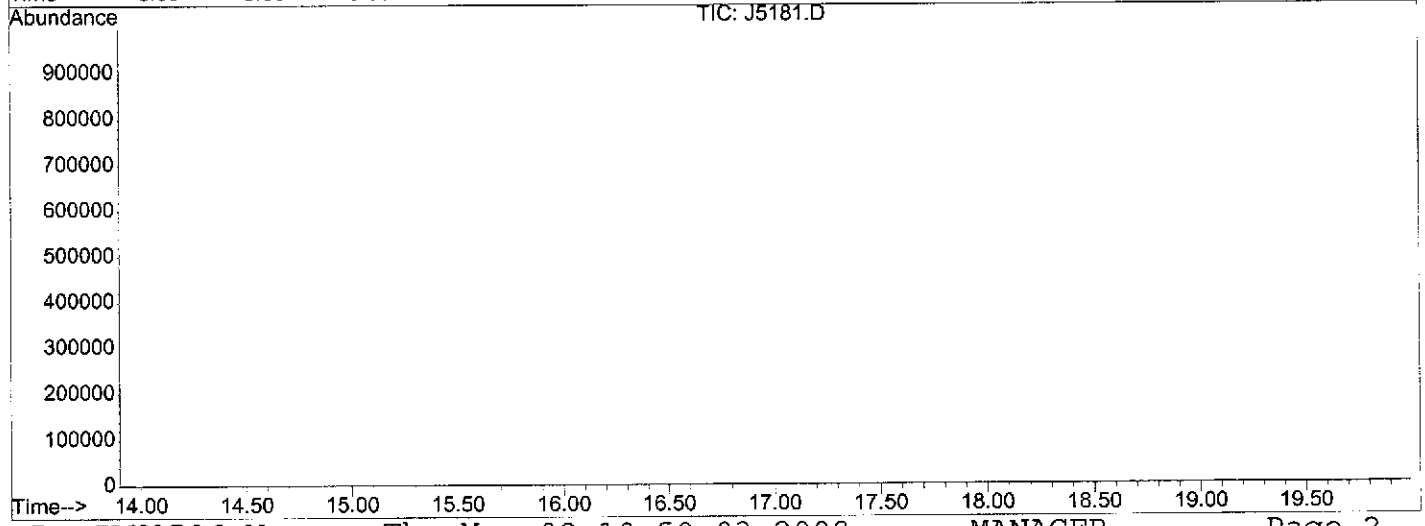
Sum of corrected areas: 8644550

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5181.D
Operator : BINXU
Acquired : 8 May 2008 3:45 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-6,05064-006,A,5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 40
Quant File :JAW0506.RES (RTE Integrator)







Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5173.D Vial: 32
Acq On : 8 May 2008 12:10 am Operator: BINXU
Sample : FIELD_BLANK,05064-007,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 00:30:46 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	248676	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	449118	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	403392	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	217686	55.68	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 111.36%			
41) Toluene-d8	8.66	98	484603	46.77	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.54%			
59) Bromofluorobenzene	11.74	95	294264	46.81	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.62%			

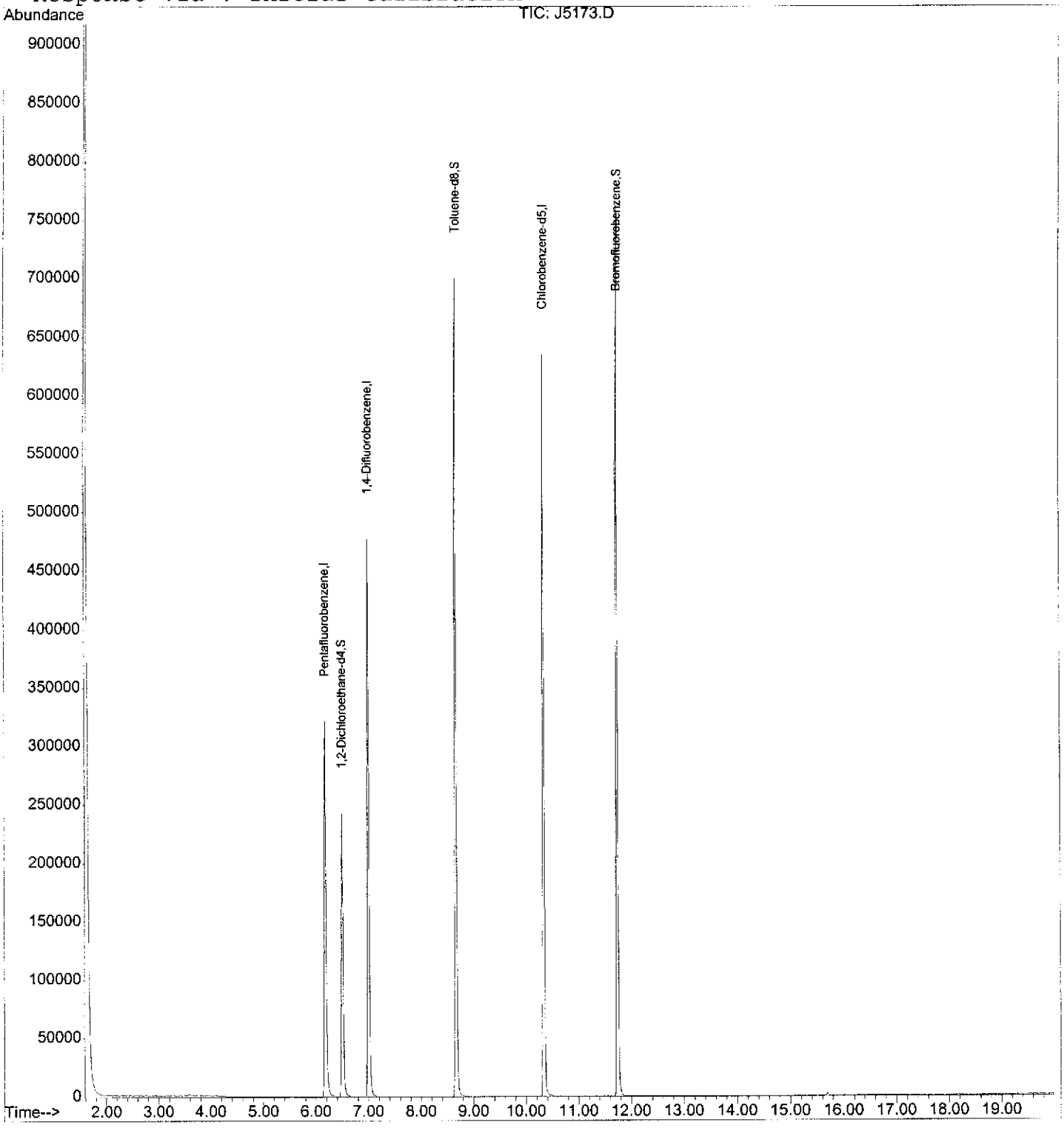
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5173.D Vial: 32
Acq On : 8 May 2008 12:10 am Operator: BINXU
Sample : FIELD_BLANK,05064-007,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:27 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5173.D Vial: 32
Acq On : 8 May 2008 12:10 am Operator: BINXU
Sample : FIELD_BLANK,05064-007,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

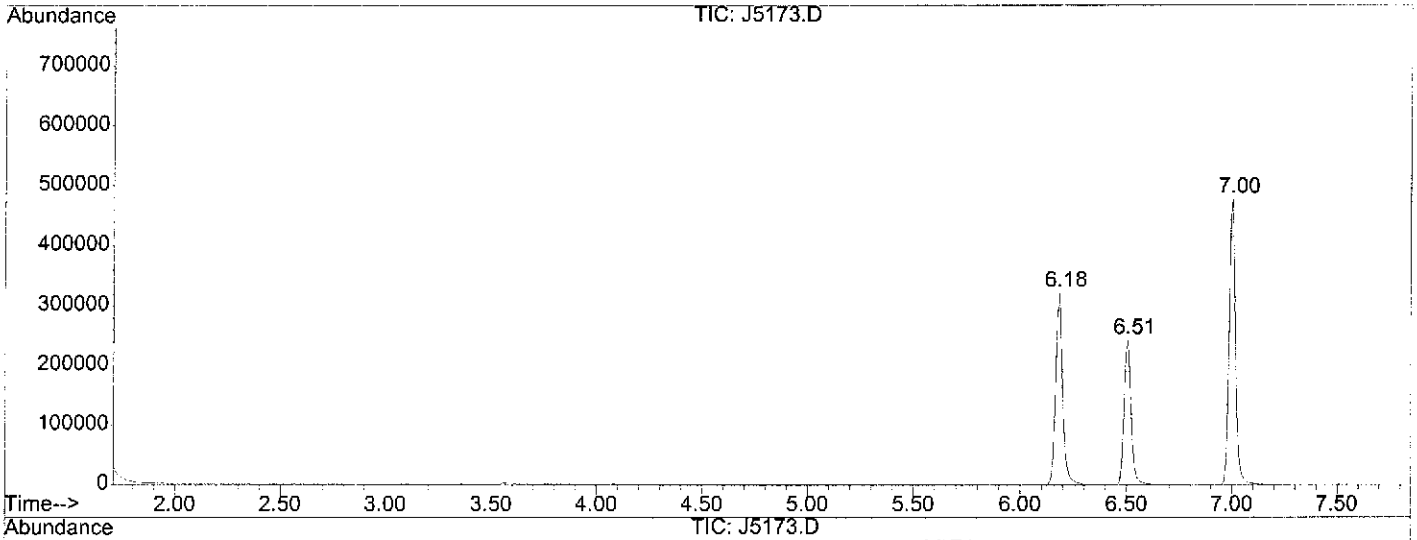
Signal : TIC

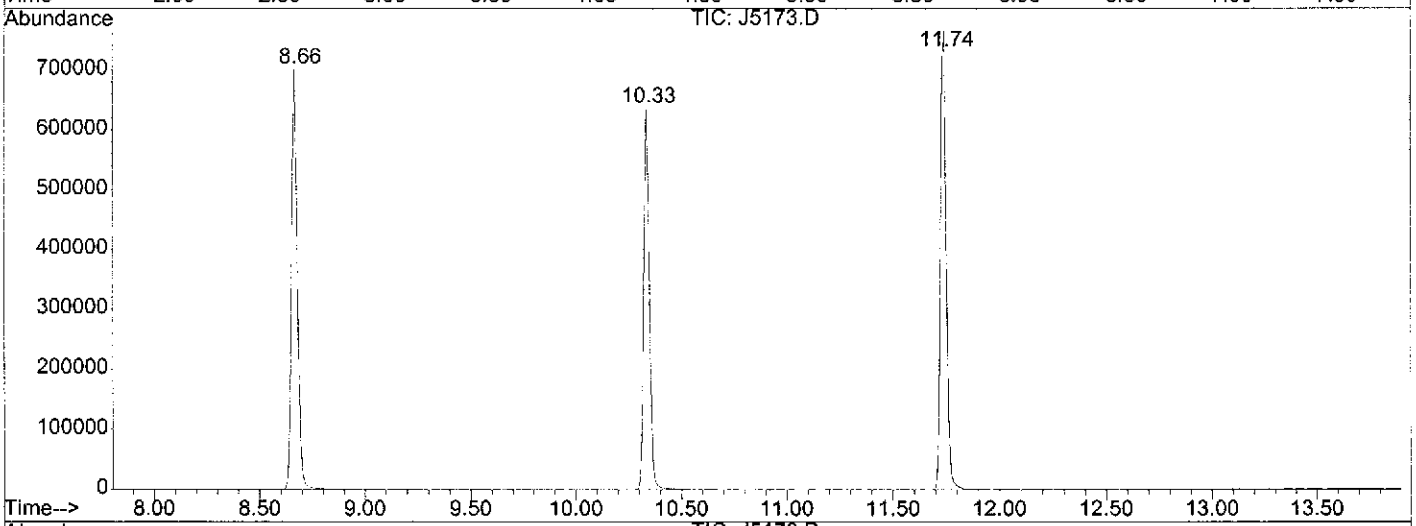
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.182	445	455	474	rBB	321511	730348	50.53%	11.688%
2	6.506	480	487	510	rBB	242401	556018	38.47%	8.898%
3	7.002	527	536	560	rBB	476585	1008358	69.77%	16.137%
4	8.663	694	700	726	rBB	700249	1339366	92.67%	21.434%
5	10.334	856	865	886	rBB	635036	1169337	80.90%	18.713%
6	11.742	998	1004	1016	rBB	764919	1445347	100.00%	23.130%

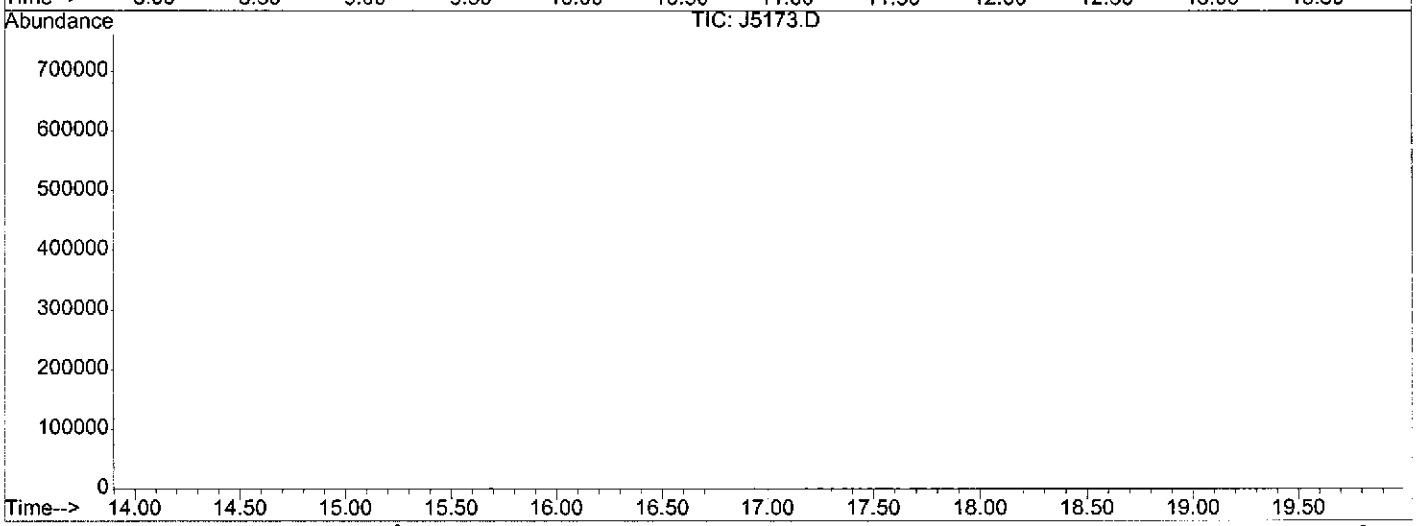
Sum of corrected areas: 6248774

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5173.D
Operator : BINXU
Acquired : 8 May 2008 12:10 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: FIELD_BLANK,05064-007,A,5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 32
Quant File :JAW0506.RES (RTE Integrator)







Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5174.D Vial: 33
Acq On : 8 May 2008 12:37 am Operator: BINXU
Sample : TRIP_BLANK,05064-008,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 00:57:44 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	231641	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	420961	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	376035	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	206691	56.76	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 113.52%			
41) Toluene-d8	8.66	98	461613	47.53	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 95.06%			
59) Bromofluorobenzene	11.74	95	277850	47.42	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.84%			

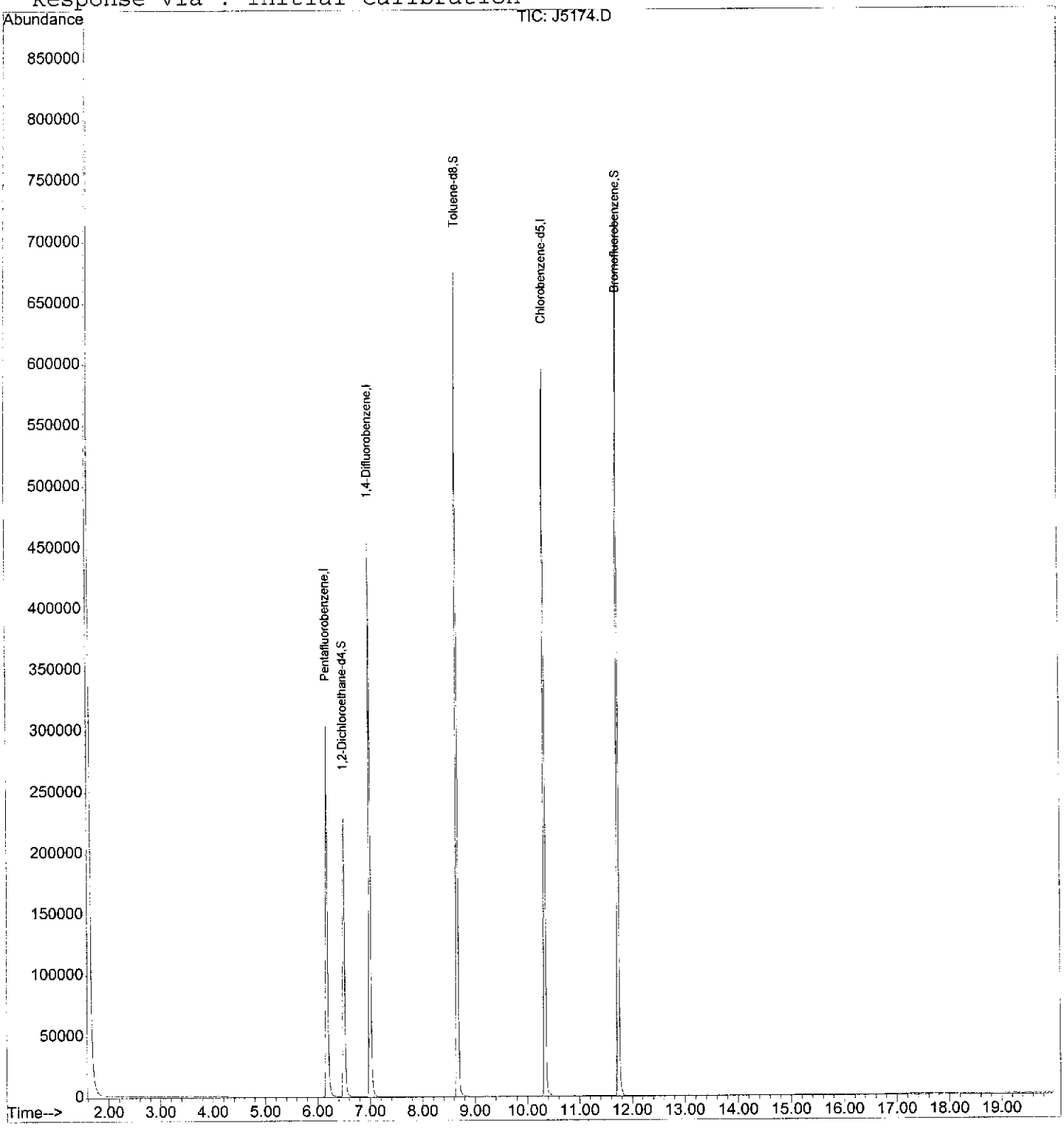
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5174.D Vial: 33
Acq On : 8 May 2008 12:37 am Operator: BINXU
Sample : TRIP_BLANK,05064-008,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:28 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 04:32:54 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

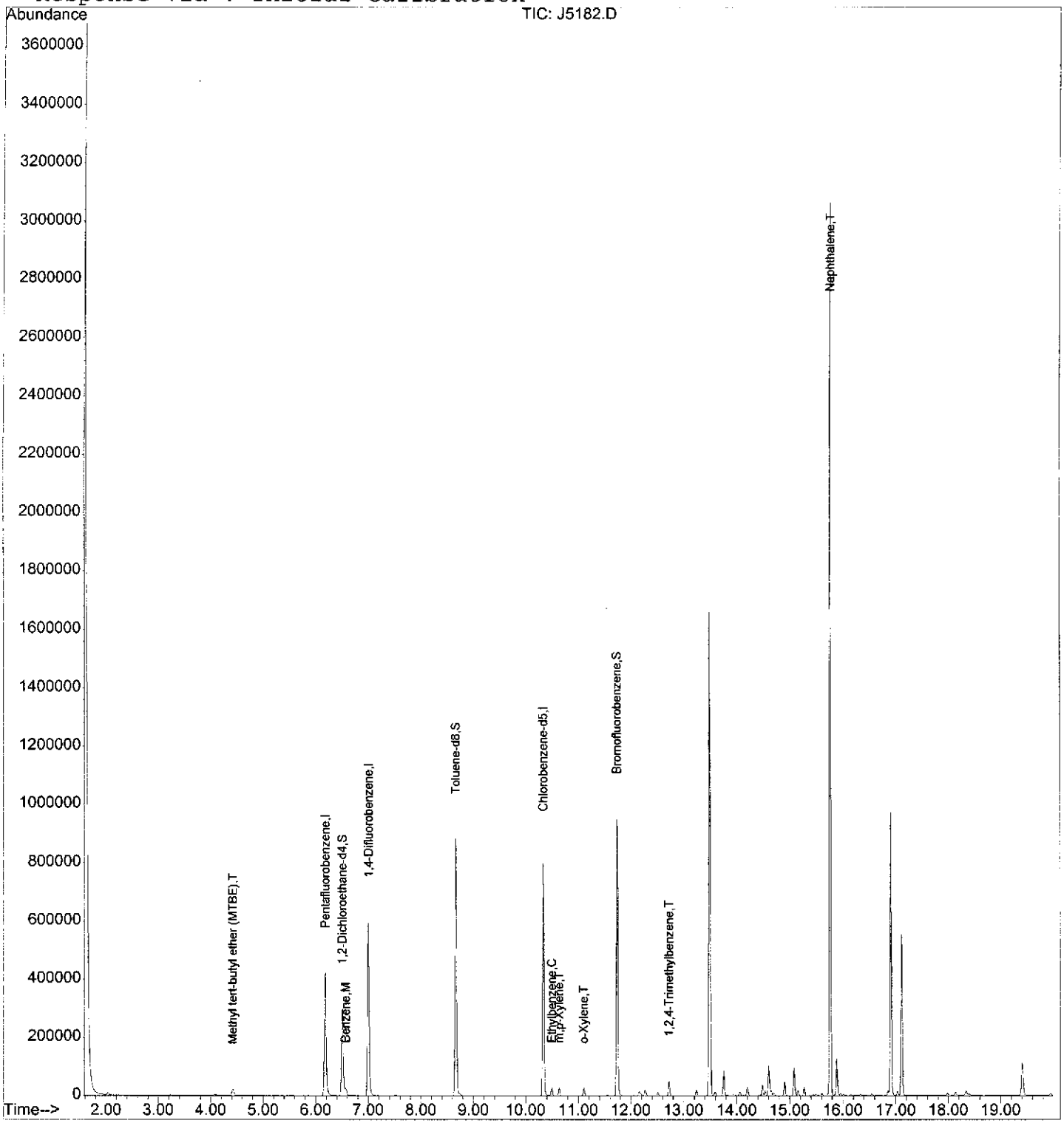
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	348076	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	593628	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	515361	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	268853	49.13	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.26%			
41) Toluene-d8	8.66	98	624870	45.63	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 91.26%			
59) Bromofluorobenzene	11.73	95	385732	48.03	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.06%			
Target Compounds						Qvalue
17) Methyl tert-butyl ether (M	4.42	73	30535	3.94	UG	100
32) Benzene	6.57	78	23267	1.68	UG	99
53) Ethylbenzene	10.50	91	21325	1.29	UG	98
54) m,p-Xylene	10.64	106	9684	1.47	UG	92
55) o-Xylene	11.10	106	9524	1.57	UG	89
68) 1,2,4-Trimethylbenzene	12.72	105	31806m	1.94	UG	
78) Naphthalene	15.76	128	2385739	158.91	UG	100

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

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:33 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

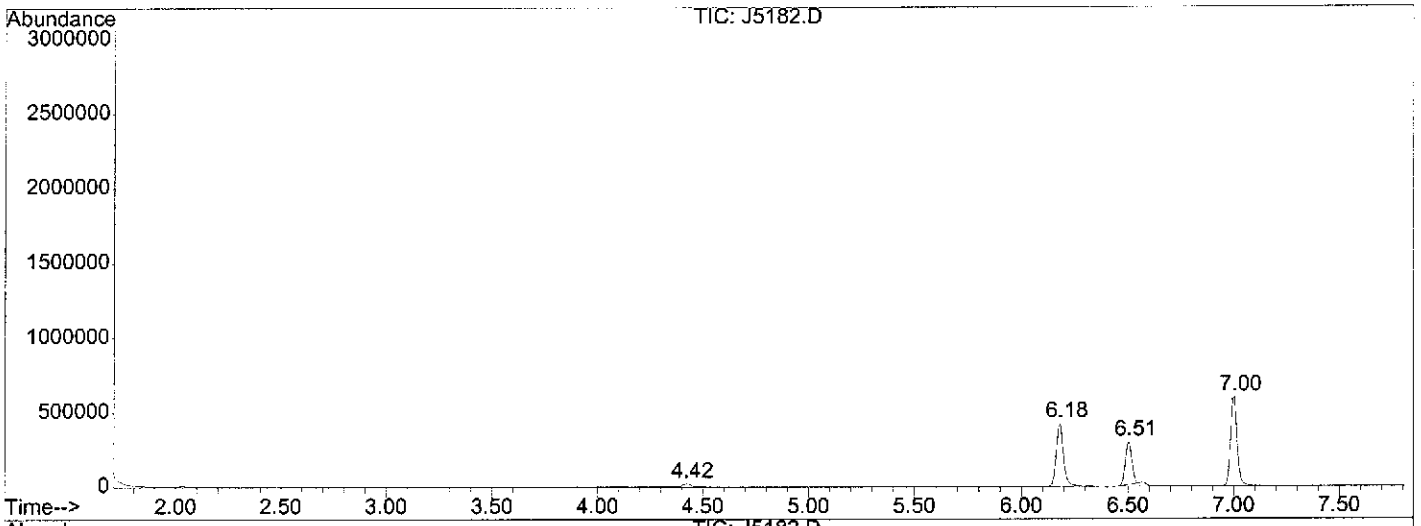
Signal : TIC

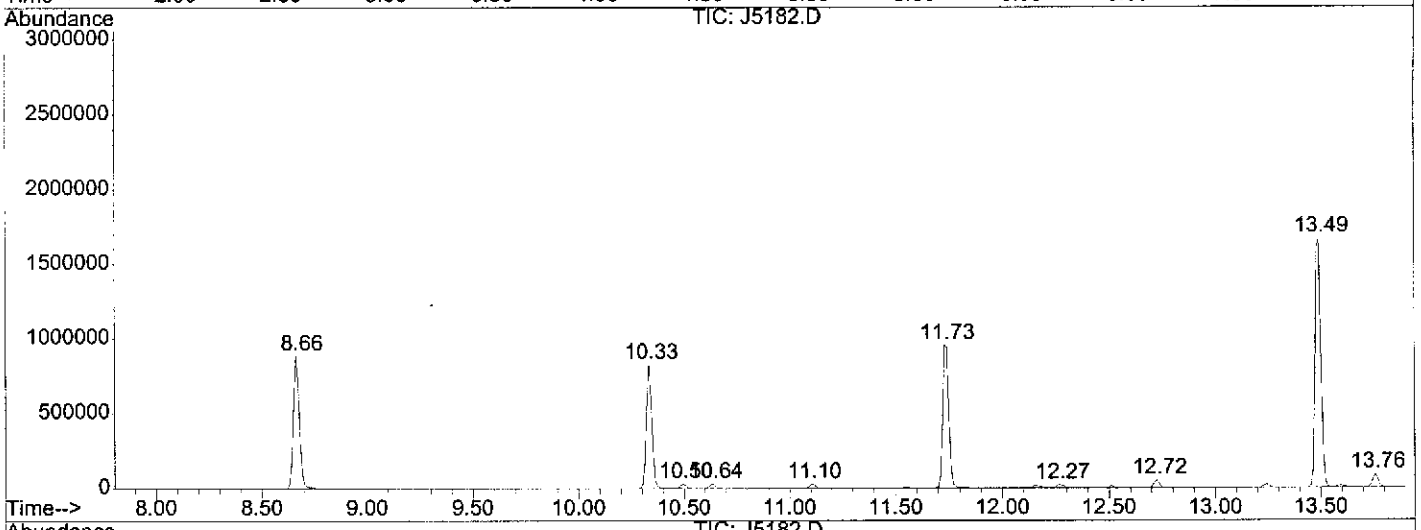
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.420	275	281	300	rBB	22385	69831	1.49%	0.349%
2	6.182	443	455	480	rBB	422454	996580	21.32%	4.985%
3	6.506	482	487	492	rBB	286259	620485	13.27%	3.103%
4	7.003	529	536	550	rBB	596739	1308929	28.00%	6.547%
5	8.663	694	700	720	rBB	883966	1721973	36.83%	8.613%
6	10.334	860	865	877	rBB	822908	1480750	31.67%	7.406%
7	10.496	877	881	887	rBB	28162	48506	1.04%	0.243%
8	10.638	890	895	902	rBB	28168	54200	1.16%	0.271%
9	11.104	934	941	950	rBB	26599	53064	1.13%	0.265%
10	11.732	997	1003	1016	rBB	952392	1843816	39.44%	9.222%
11	12.268	1051	1056	1061	rBB2	20316	47724	1.02%	0.239%
12	12.724	1092	1101	1107	rBB	50415	86557	1.85%	0.433%
13	13.493	1171	1177	1183	rBB	1662995	3163538	67.66%	15.823%
14	13.757	1198	1203	1208	rBB	86679	154698	3.31%	0.774%
15	14.202	1242	1247	1252	rBB	30611	58325	1.25%	0.292%
16	14.486	1272	1275	1278	rBB	33080	54221	1.16%	0.271%
17	14.607	1283	1287	1294	rBB	101599	220216	4.71%	1.101%
18	14.911	1308	1317	1324	rBB	46559	88582	1.89%	0.443%
19	15.083	1326	1334	1338	rBB2	96439	169755	3.63%	0.849%
20	15.276	1348	1353	1359	rBB	32309	53042	1.13%	0.265%
21	15.762	1394	1401	1407	rBB	3062895	4675383	100.00%	23.385%
22	15.883	1407	1413	1418	rBB	126610	208364	4.46%	1.042%
23	16.906	1500	1514	1523	rBB	974512	1594811	34.11%	7.977%
24	17.109	1530	1534	1546	rBB	555720	959567	20.52%	4.799%
25	19.407	1756	1761	1770	rBB	111352	260213	5.57%	1.302%

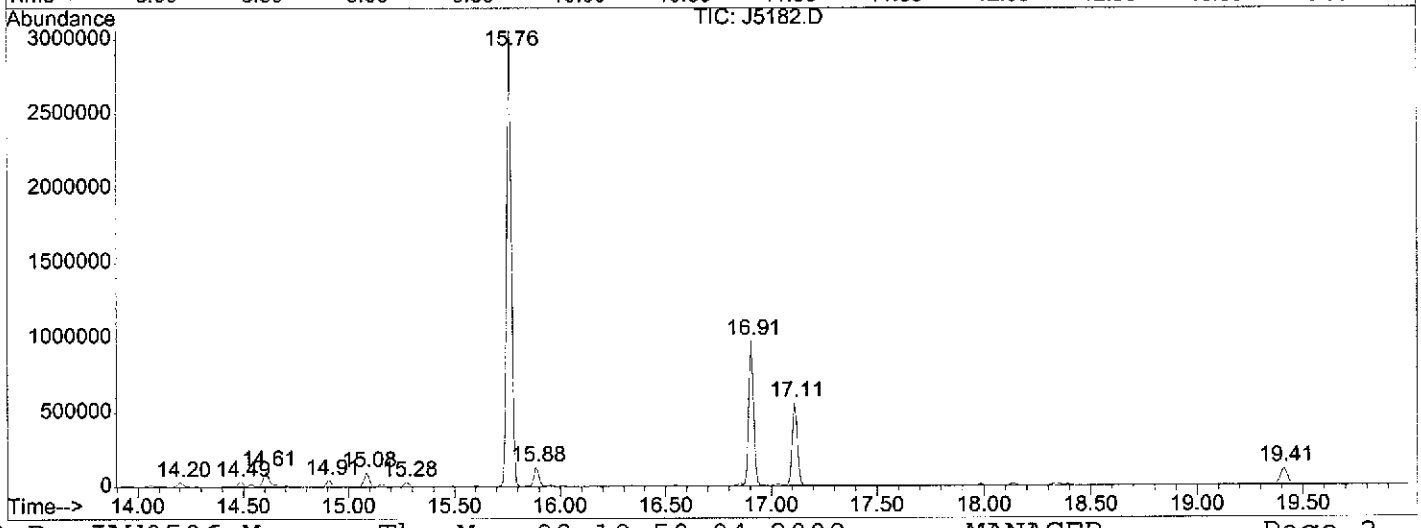
Sum of corrected areas: 19993130

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D
Operator : BINXU
Acquired : 8 May 2008 4:12 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-2_VO_1,05064-009,A,2.5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 41
Quant File :JAW0506.RES (RTE Integrator)







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

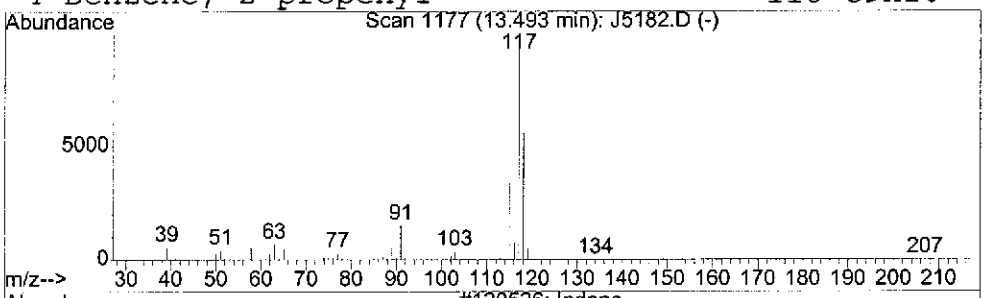
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

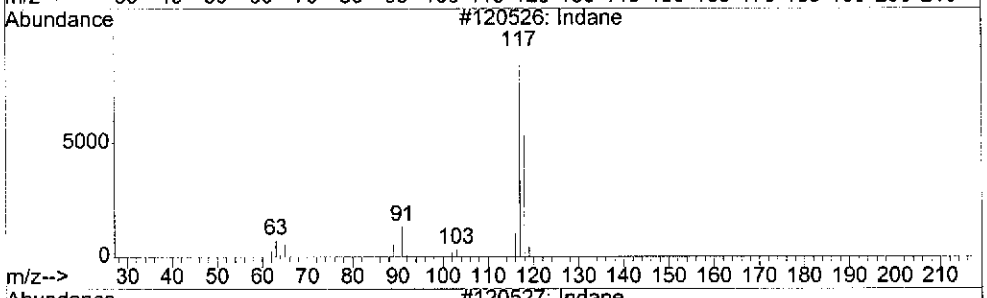
****

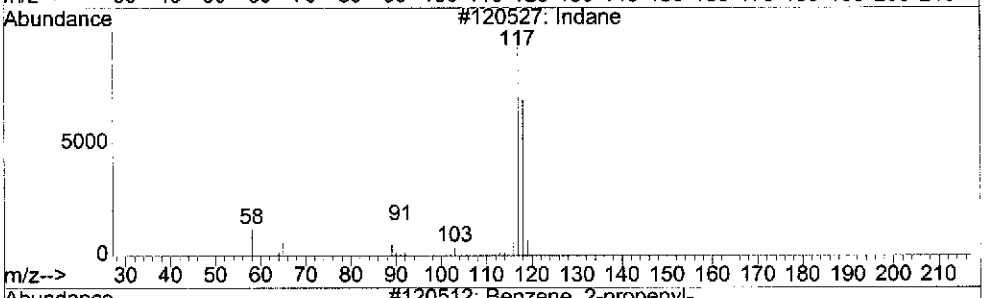
Peak Number 1 Unknown aromatic Concentration Rank 1

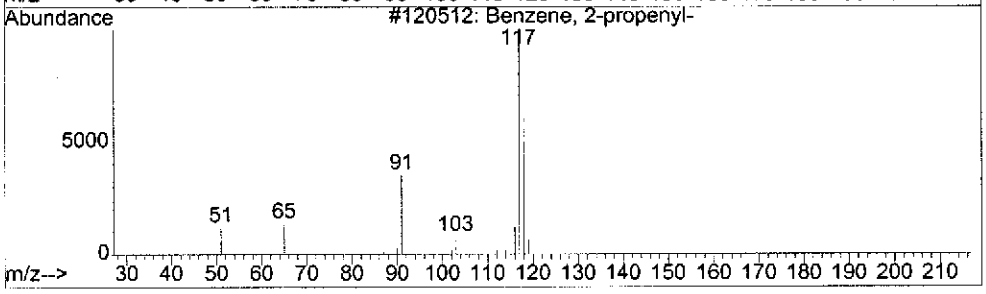
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	106.82 UG	3163540	Chlorobenzene-d5	10.33

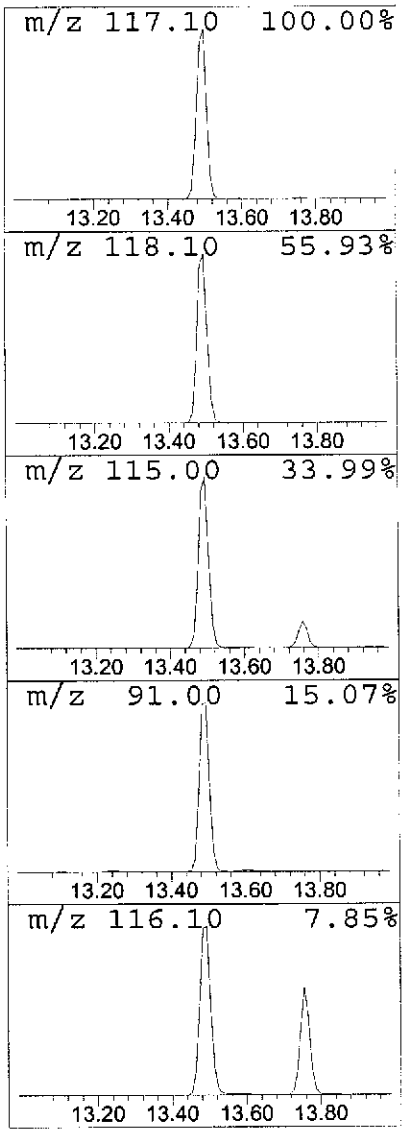
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

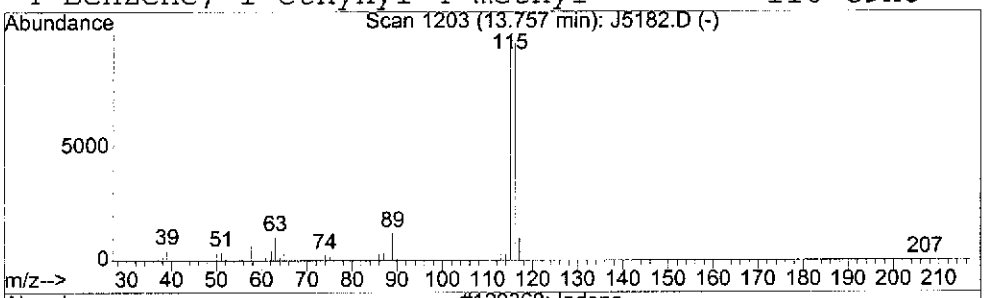
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

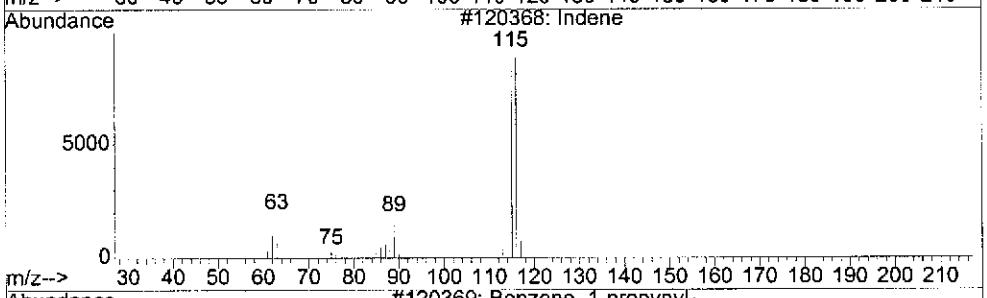
****

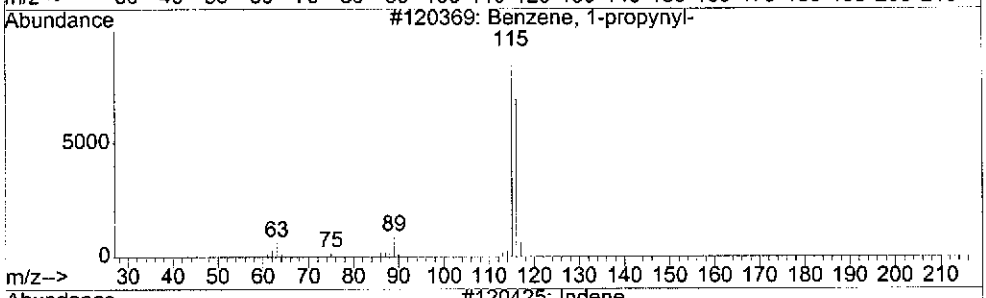
Peak Number 2 Unknown aromatic Concentration Rank 8

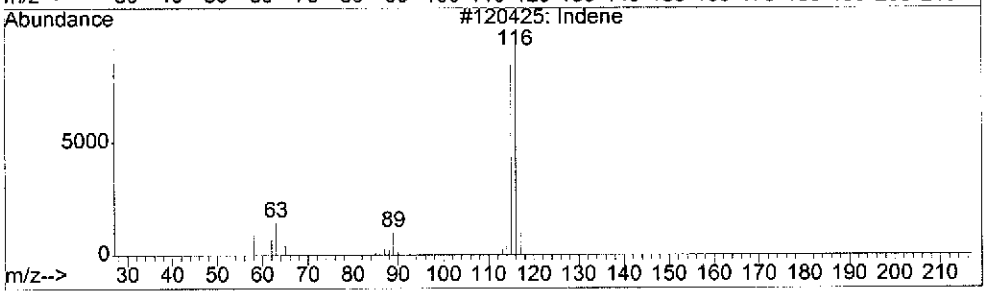
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	5.22 UG	154698	Chlorobenzene-d5	10.33

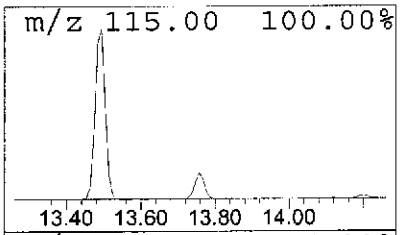
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91

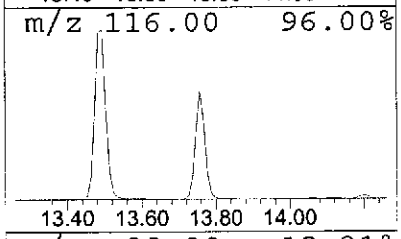


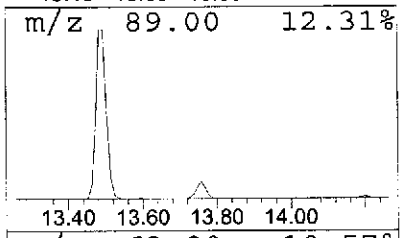


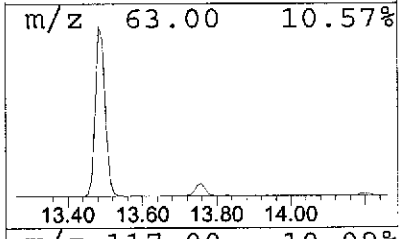


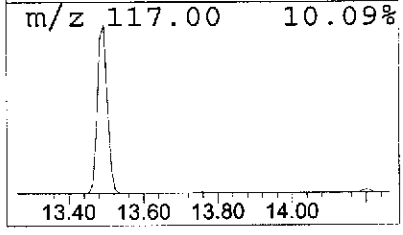












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

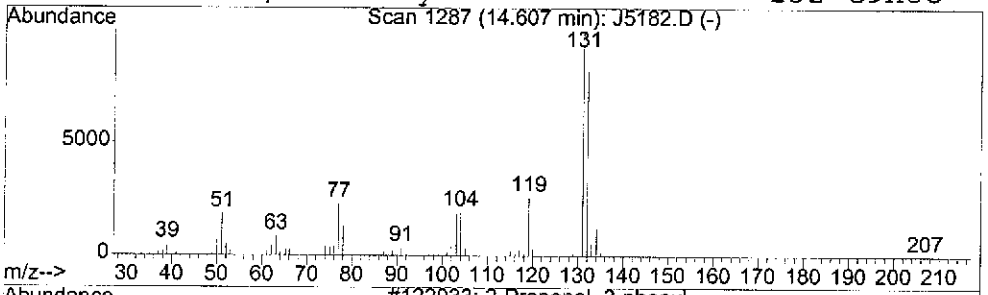
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

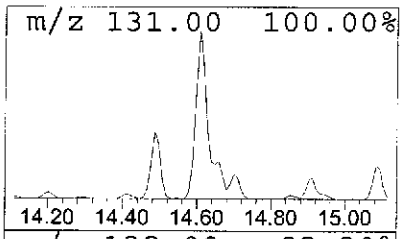
****

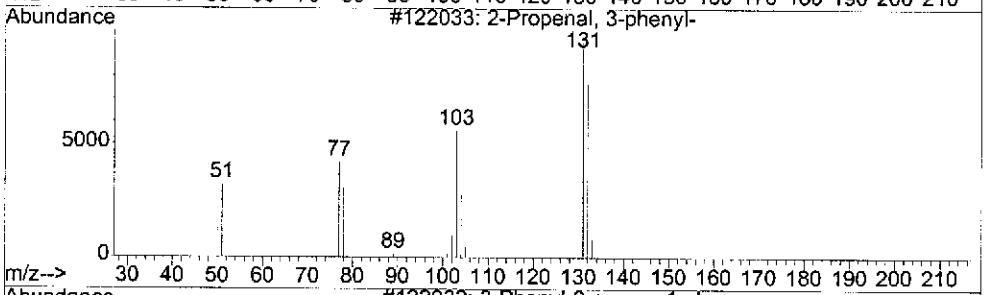
Peak Number 3 Unknown aromatic Concentration Rank 5

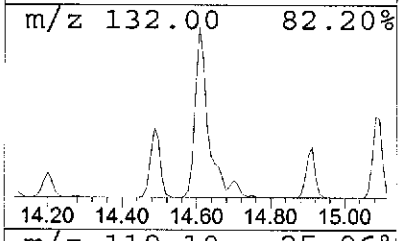
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	7.44 UG	220216	Chlorobenzene-d5	10.33

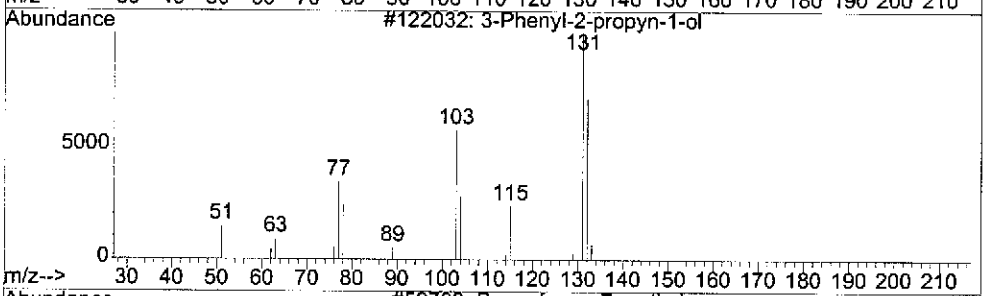
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87
2	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	86
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	81

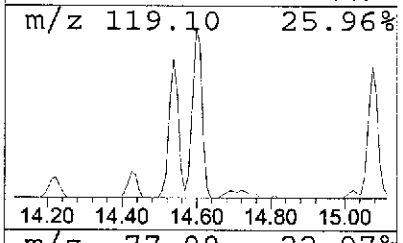


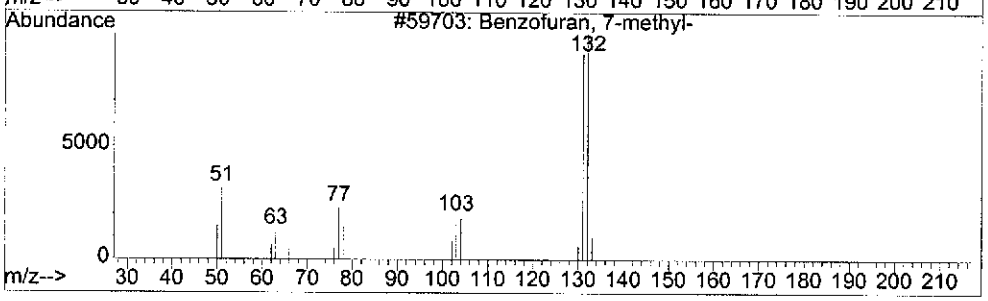


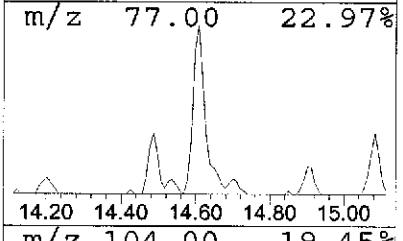


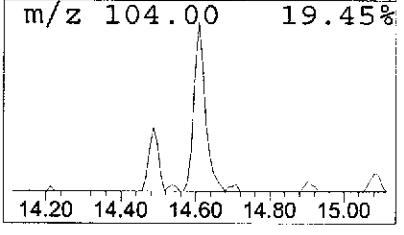












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

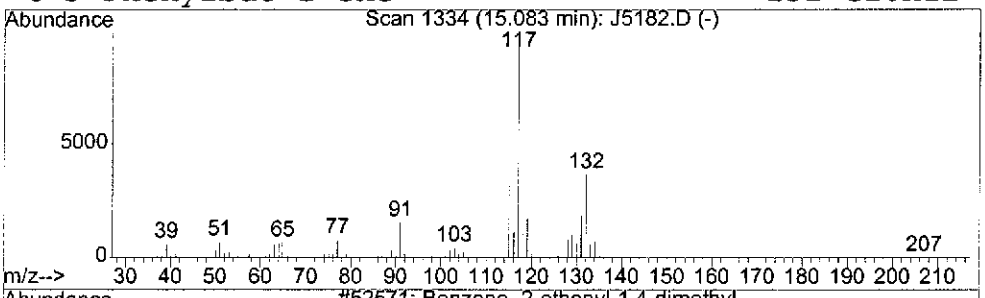
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

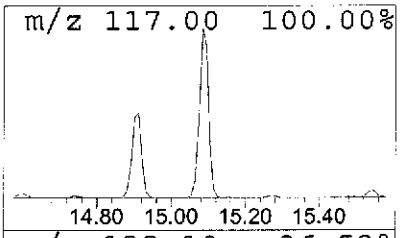
****

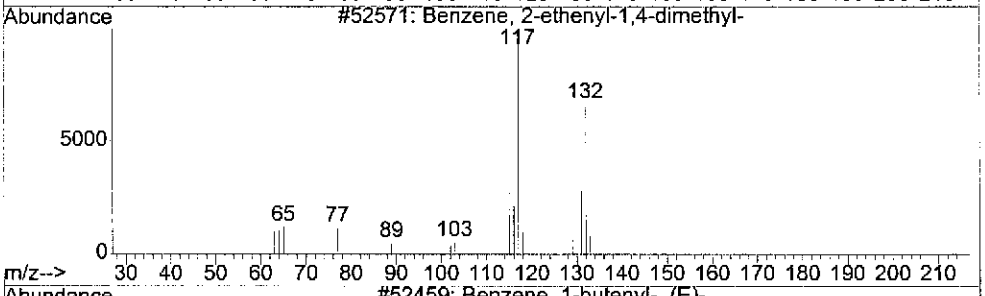
Peak Number 4 Unknown aromatic Concentration Rank 7

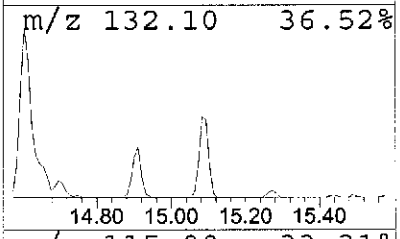
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	5.73 UG	169755	Chlorobenzene-d5	10.33

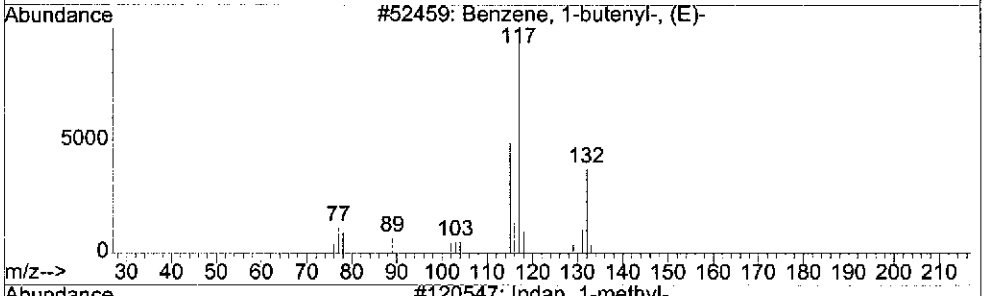
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87

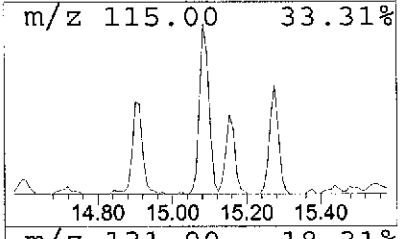


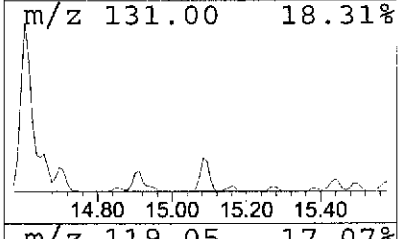


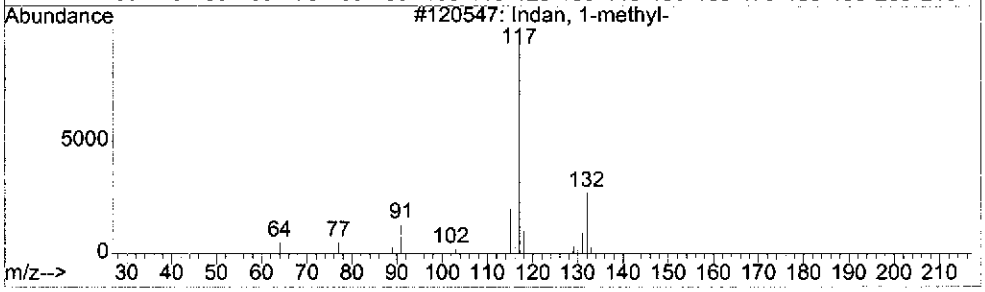


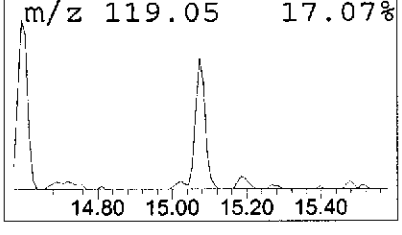












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

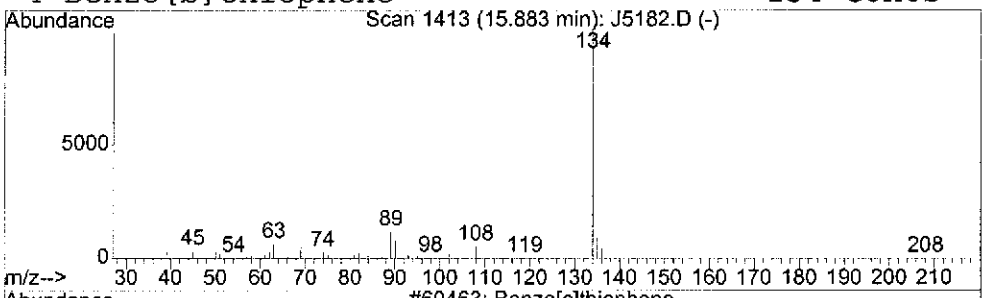
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

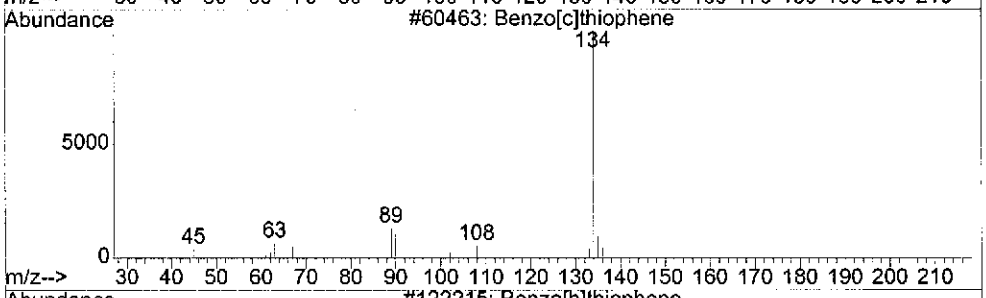
****

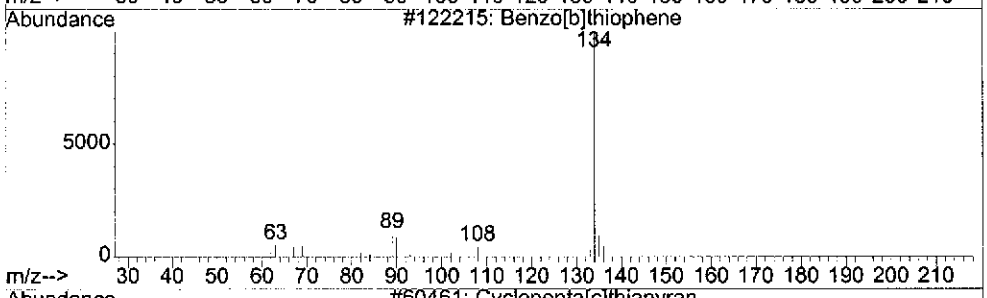
Peak Number 5 Unknown Concentration Rank 6

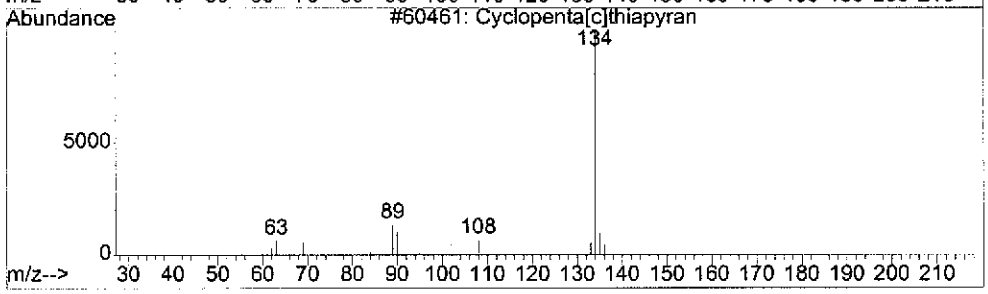
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.04 UG	208364	Chlorobenzene-d5	10.33

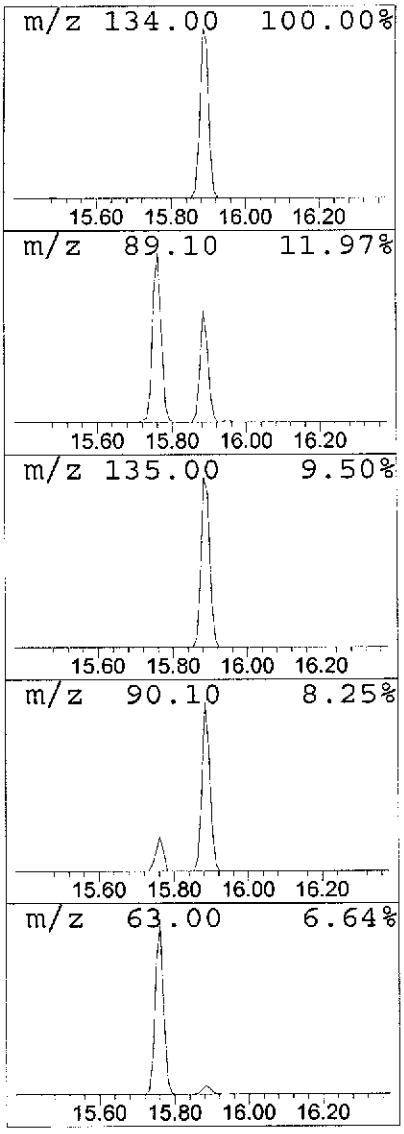
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

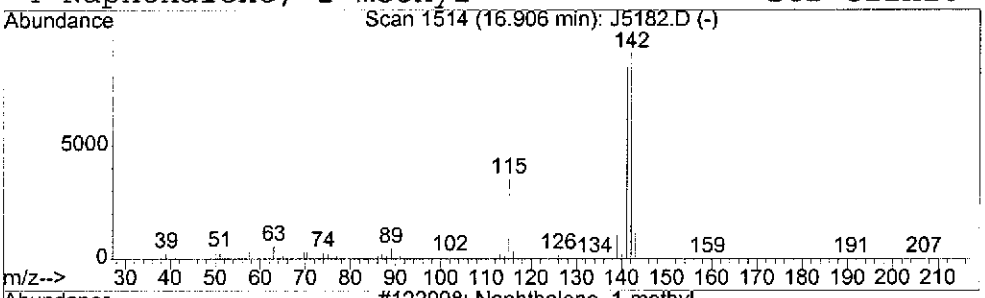
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

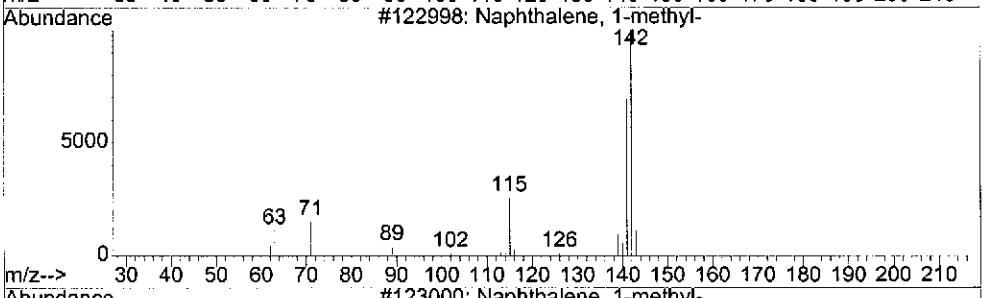
****

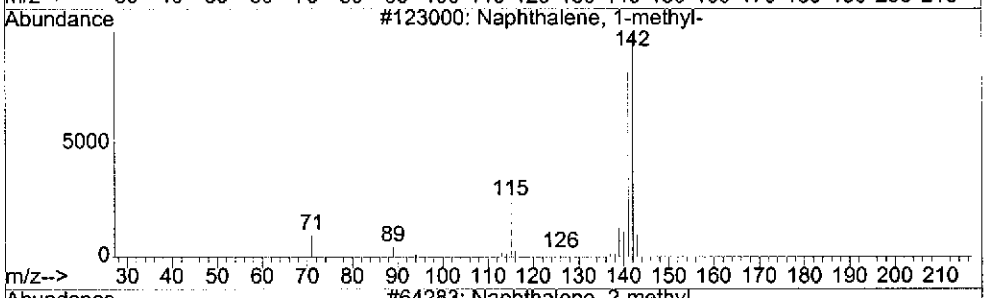
Peak Number 6 Unknown aromatic Concentration Rank 2

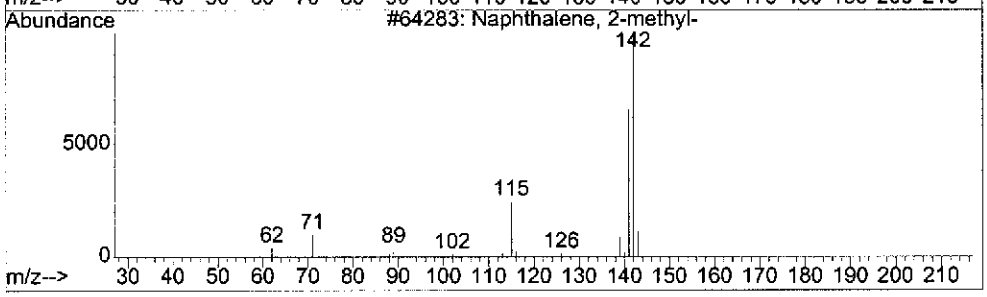
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	53.85 UG	1594810	Chlorobenzene-d5	10.33

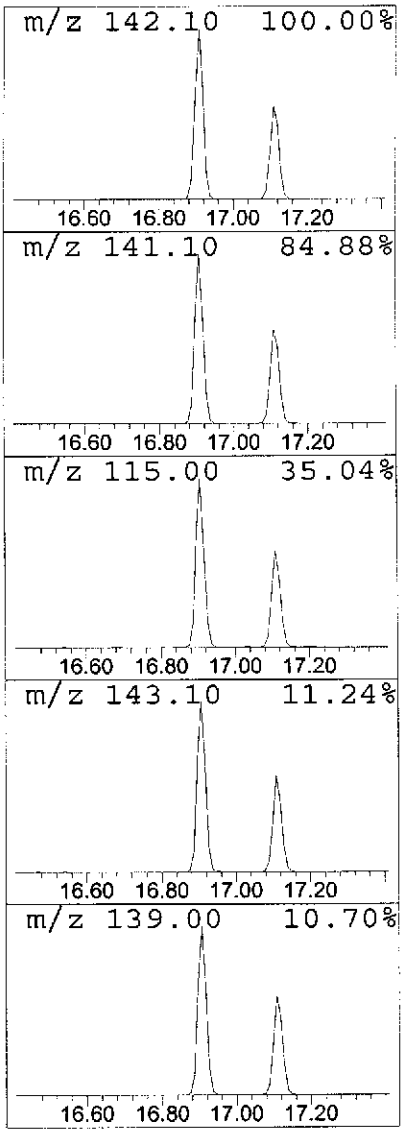
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D
Acq On : 8 May 2008 4:12 am
Sample : MW-2_VO_1,05064-009,A,2.5ml,100
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
MS Integration Params: LSCINT.P

Vial: 41
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

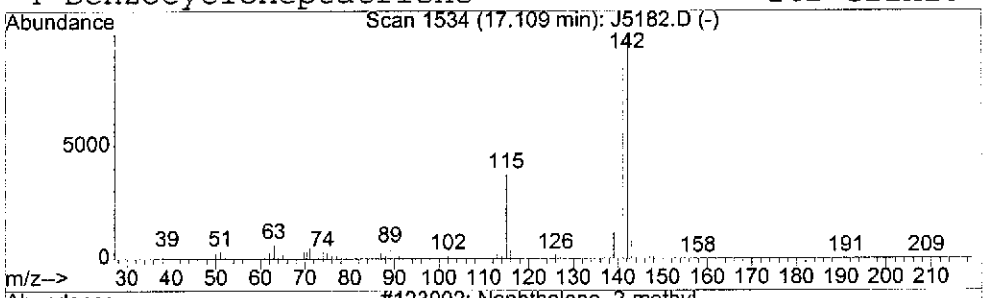
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

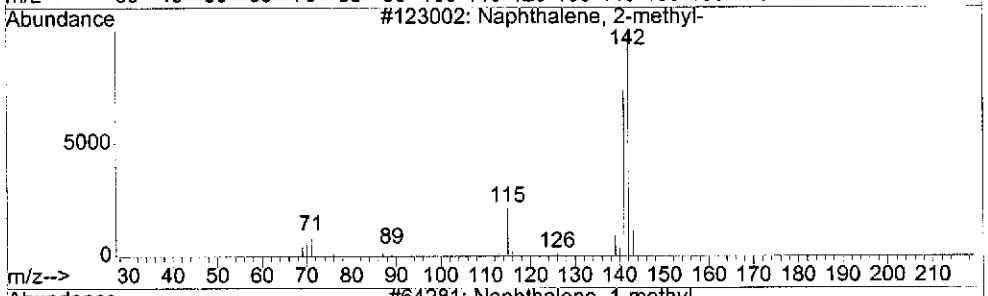
****

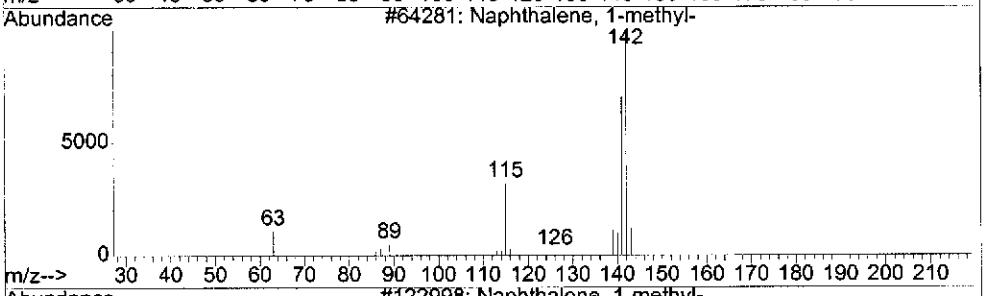
Peak Number 7 Unknown aromatic Concentration Rank 3

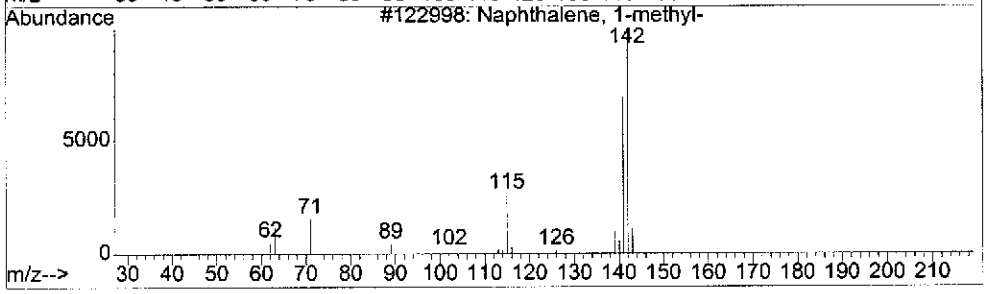
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	32.40 UG	959567	Chlorobenzene-d5	10.33

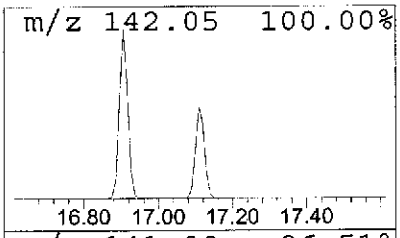
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91

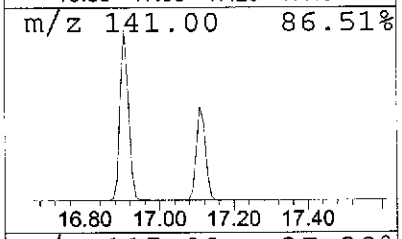


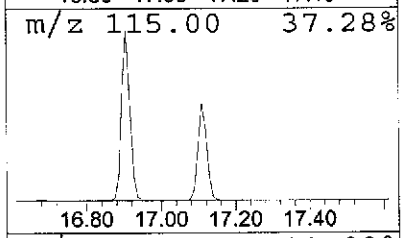


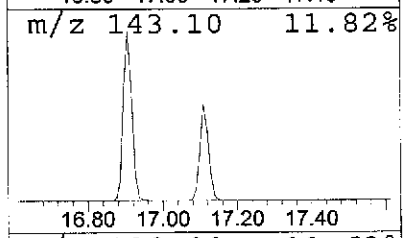


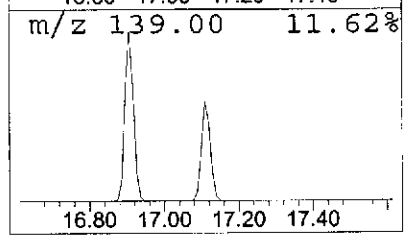












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5182.D Vial: 41
Acq On : 8 May 2008 4:12 am Operator: BINXU
Sample : MW-2_VO_1,05064-009,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

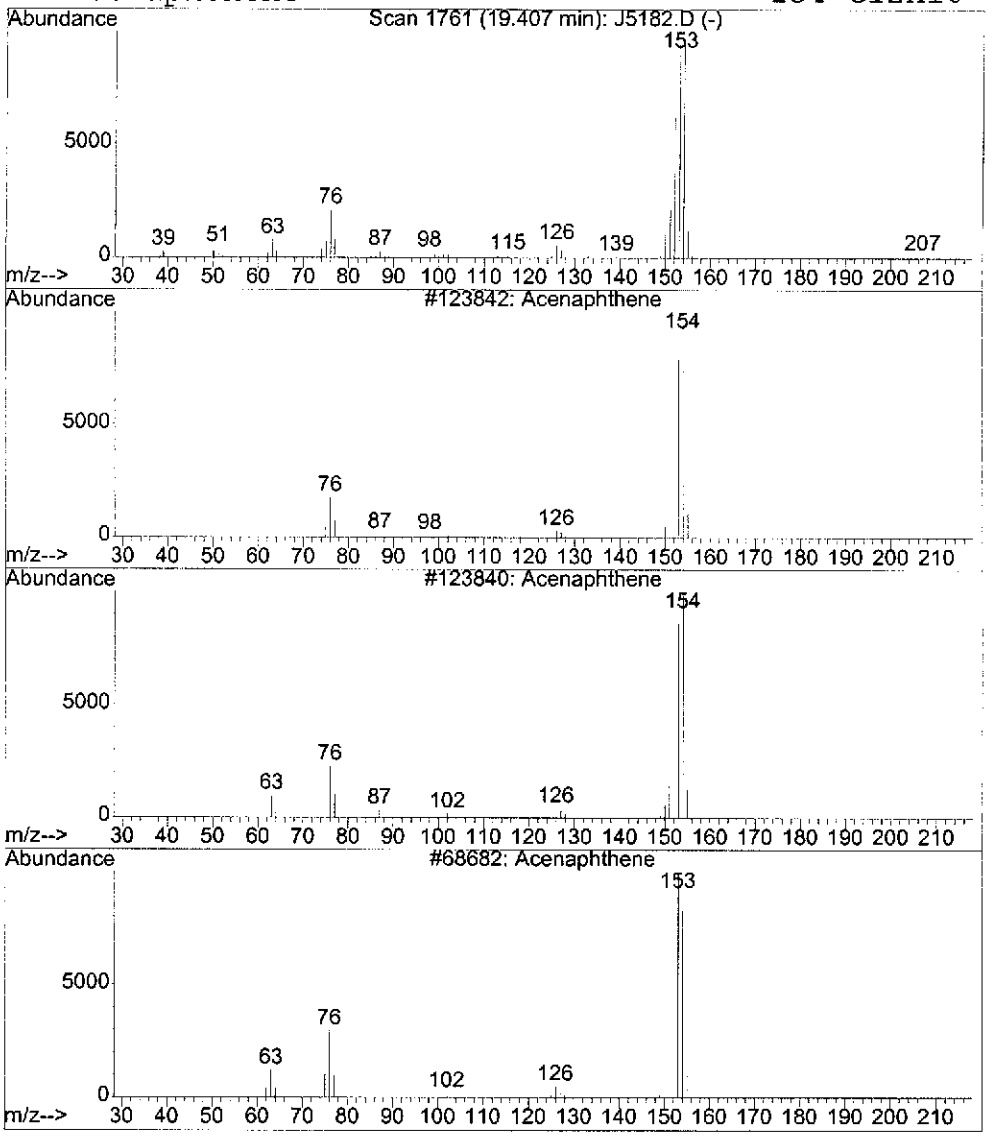
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

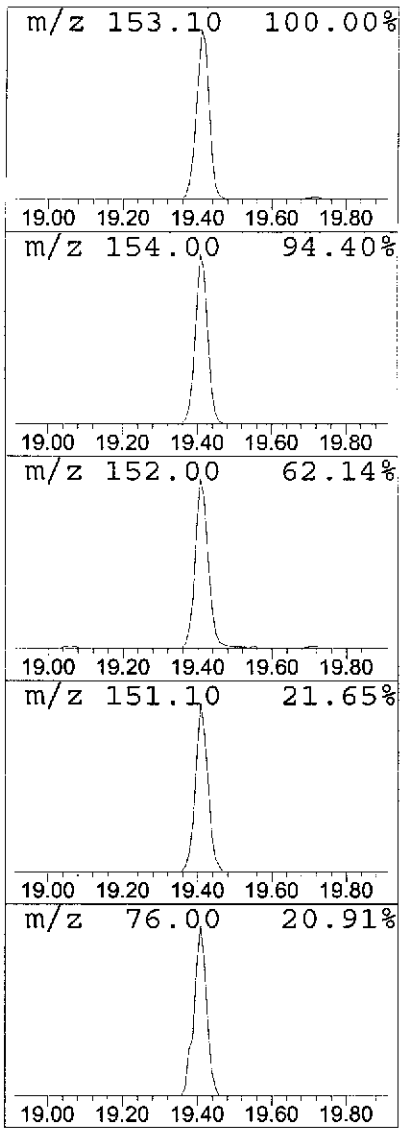
****

Peak Number 8 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	8.79 UG	260213	Chlorobenzene-d5	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	93
2	Acenaphthene	154	C12H10	000083-32-9	90
3	Acenaphthene	154	C12H10	000083-32-9	86
4	Acenaphthene	154	C12H10	000083-32-9	76





Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 04:59:49 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

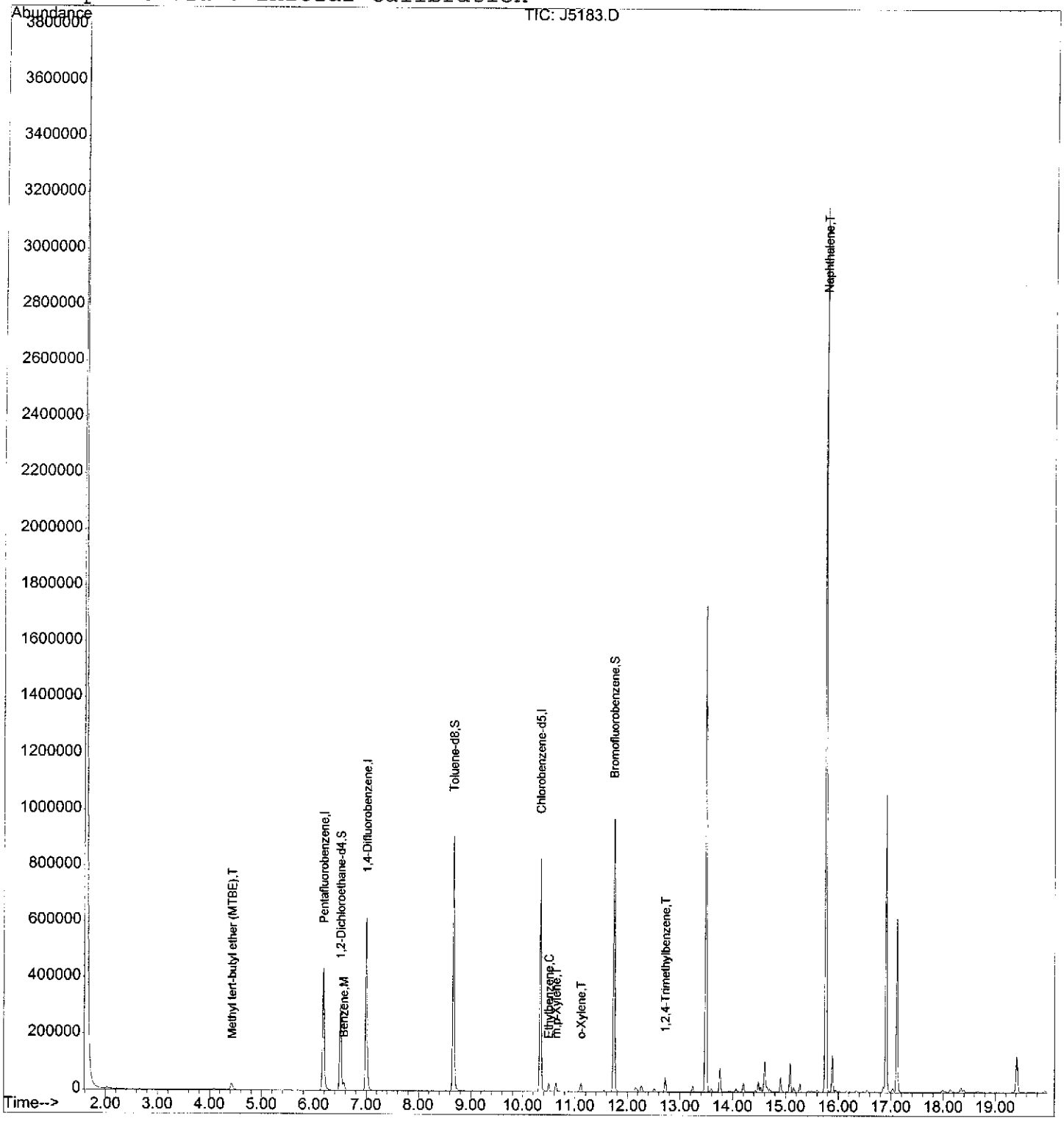
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	365045	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	614631	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	532326	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	275986	48.09	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 96.18%			
41) Toluene-d8	8.66	98	647527	45.67	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 91.34%			
59) Bromofluorobenzene	11.73	95	396216	47.77	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.54%			
Target Compounds						Qvalue
17) Methyl tert-butyl ether (M	4.43	73	32204	3.96	UG	100
32) Benzene	6.57	78	24088	1.68	UG	100
53) Ethylbenzene	10.50	91	22972	1.35	UG	99
54) m,p-Xylene	10.64	106	10578	1.56	UG	87
55) o-Xylene	11.11	106	9850	1.57	UG	94
68) 1,2,4-Trimethylbenzene	12.72	105	32735	1.94	UG	98
78) Naphthalene	15.76	128	2518388	162.40	UG	100

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

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:38 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

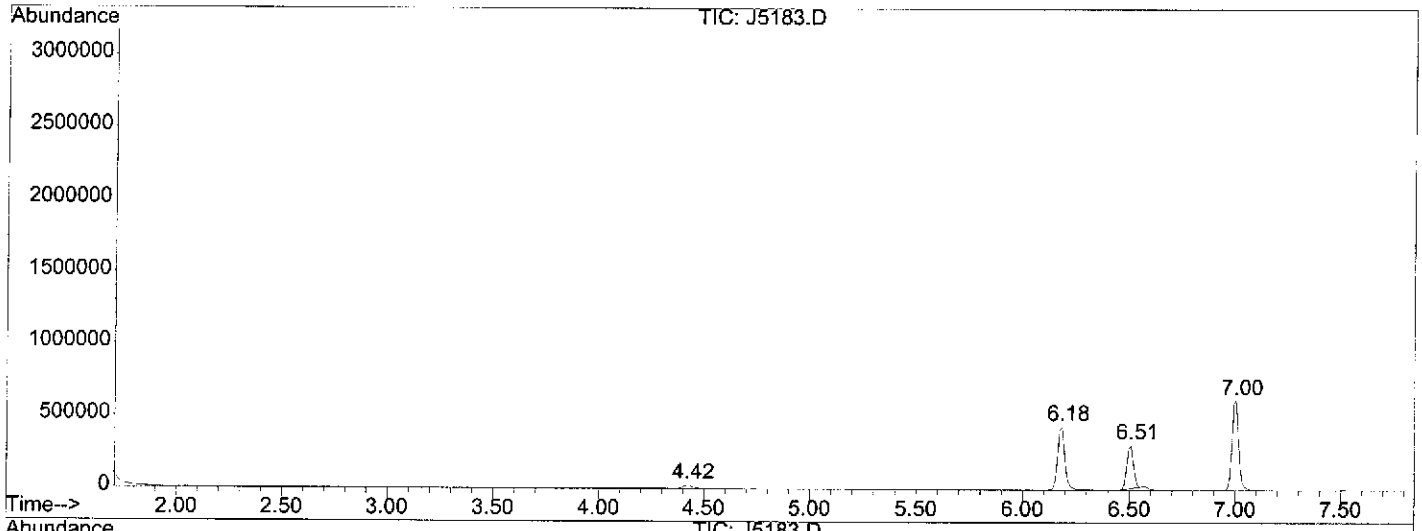
Signal : TIC

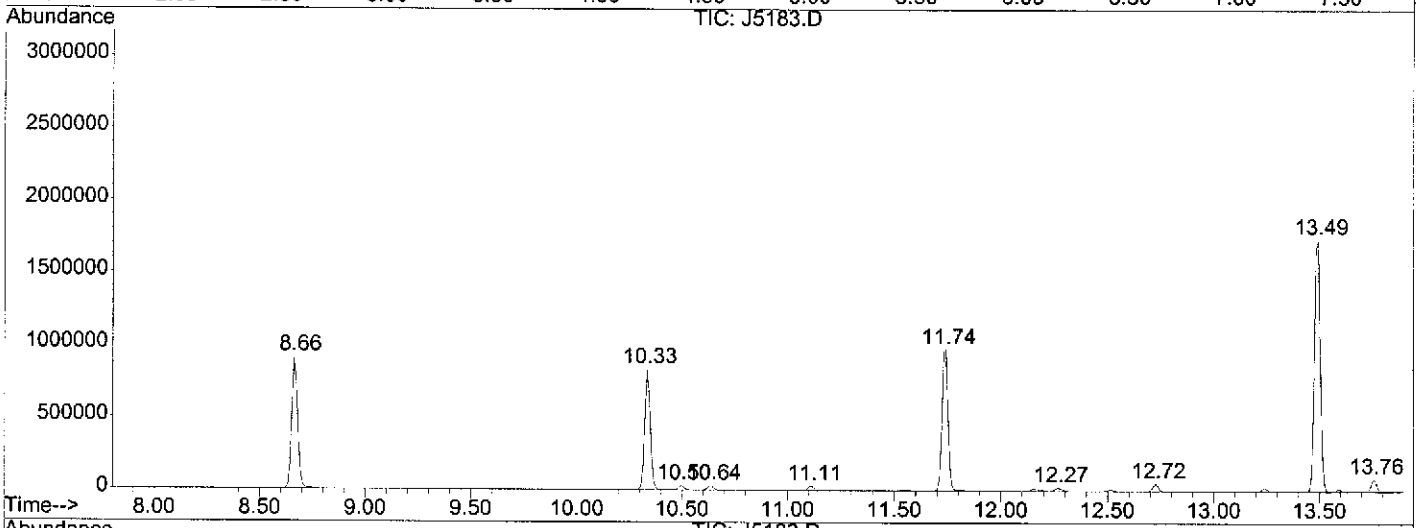
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.420	274	281	292	rBB	23745	71594	1.45%	0.341%
2	6.182	448	455	476	rBB	435384	1041342	21.13%	4.962%
3	6.506	482	487	492	rBB	296264	638707	12.96%	3.043%
4	7.003	530	536	556	rBB	618842	1362695	27.65%	6.493%
5	8.663	694	700	720	rBB	910409	1789442	36.31%	8.526%
6	10.334	860	865	877	rBB	833949	1535638	31.16%	7.317%
7	10.496	877	881	885	rBB	29274	52512	1.07%	0.250%
8	10.638	889	895	902	rBB	29684	57196	1.16%	0.273%
9	11.114	935	942	949	rBB	28902	56753	1.15%	0.270%
10	11.742	997	1004	1018	rBB	975889	1902154	38.60%	9.063%
11	12.268	1052	1056	1066	rBB2	23860	52712	1.07%	0.251%
12	12.724	1093	1101	1107	rBB	52092	91600	1.86%	0.436%
13	13.493	1171	1177	1183	rBB	1737951	3308255	67.14%	15.762%
14	13.757	1197	1203	1208	rBB	85014	149586	3.04%	0.713%
15	14.202	1243	1247	1253	rBB	33333	62184	1.26%	0.296%
16	14.486	1272	1275	1278	rBB	35283	56353	1.14%	0.268%
17	14.607	1283	1287	1294	rBB	107393	227111	4.61%	1.082%
18	14.911	1308	1317	1324	rBB	51229	91775	1.86%	0.437%
19	15.083	1324	1334	1338	rBB2	104202	180087	3.65%	0.858%
20	15.276	1348	1353	1357	rBB	30704	52373	1.06%	0.250%
21	15.762	1395	1401	1407	rBB	3171115	4927688	100.00%	23.478%
22	15.883	1407	1413	1418	rBB	130194	218172	4.43%	1.039%
23	16.906	1502	1514	1522	rBB	1062145	1722268	34.95%	8.206%
24	17.109	1530	1534	1543	rBB	620980	1040261	21.11%	4.956%
25	19.407	1755	1761	1769	rBB	128461	299979	6.09%	1.429%

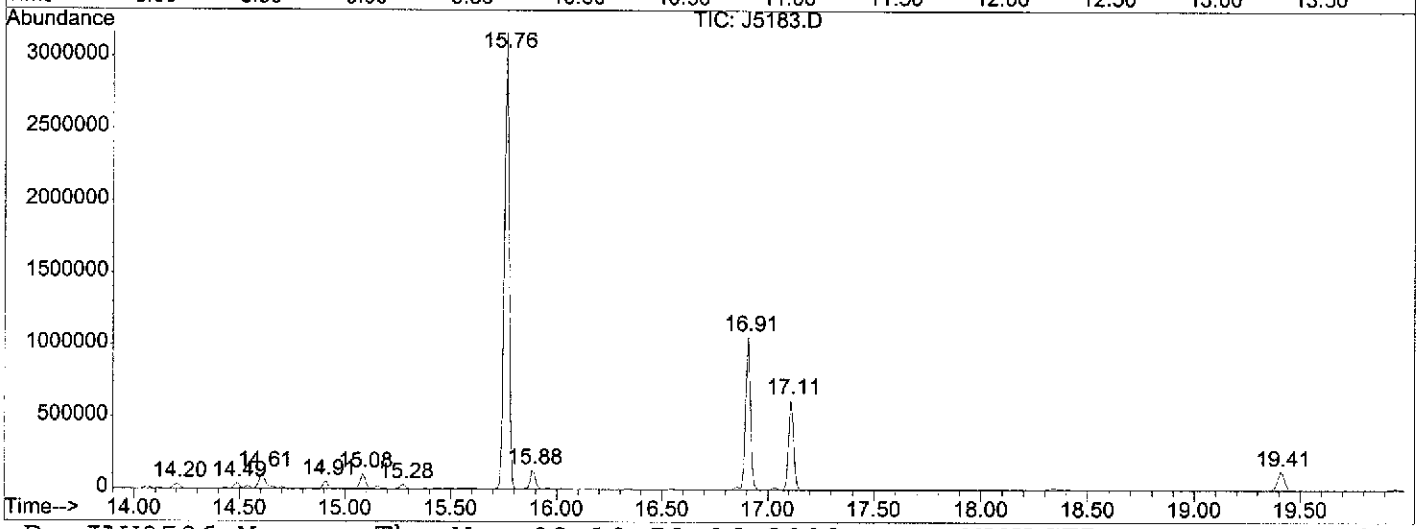
Sum of corrected areas: 20988437

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D
Operator : BINXU
Acquired : 8 May 2008 4:39 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-2_VO_2,05064-010,A,2.5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 42
Quant File :JAW0506.RES (RTE Integrator)







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

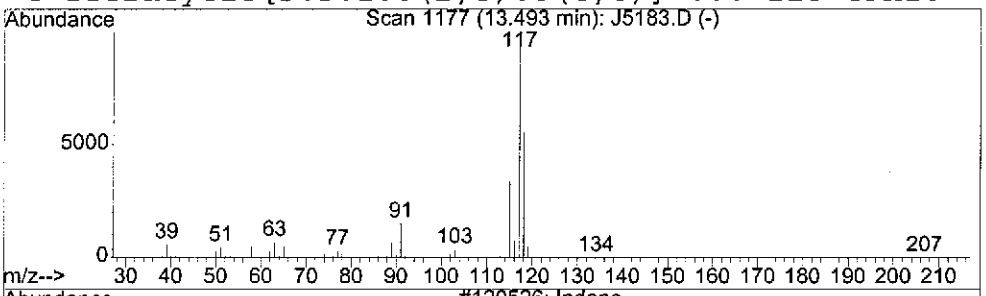
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

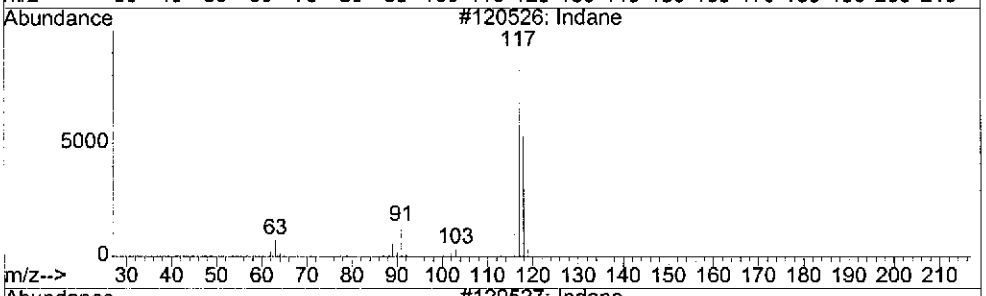
****

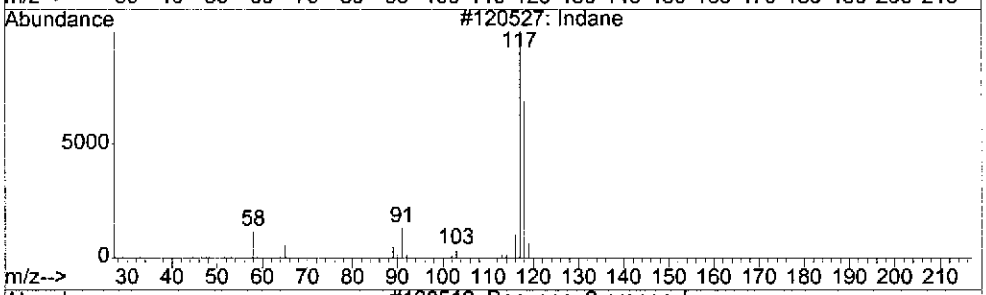
Peak Number 1 Unknown aromatic Concentration Rank 1

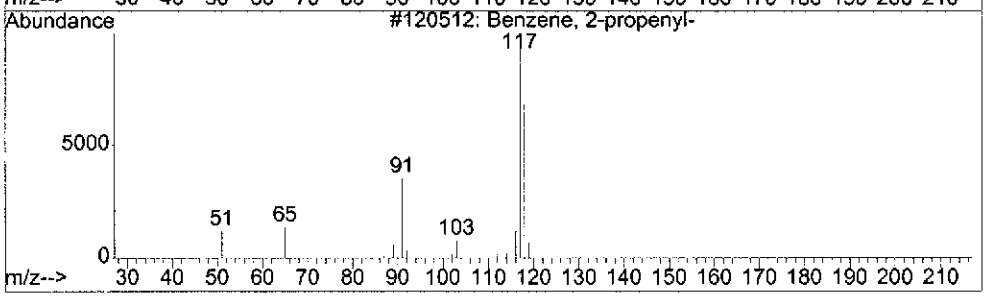
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	107.72 UG	3308260	Chlorobenzene-d5	10.33

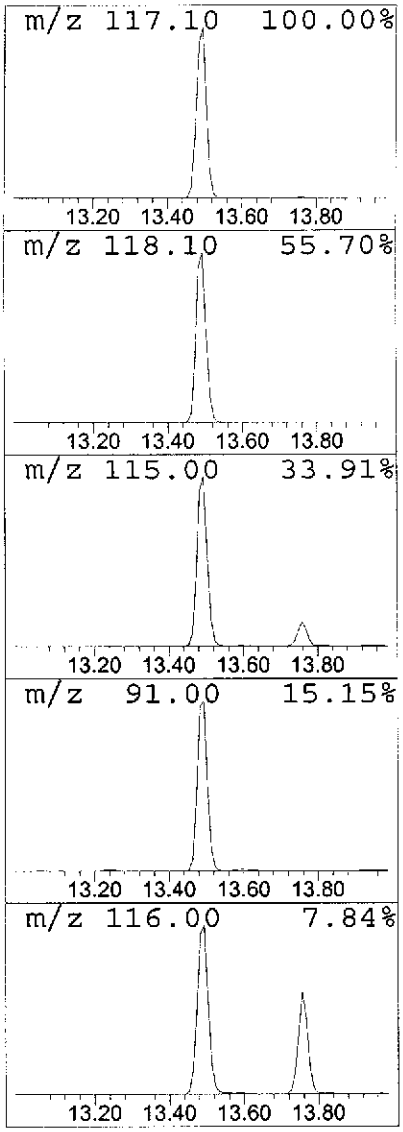
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

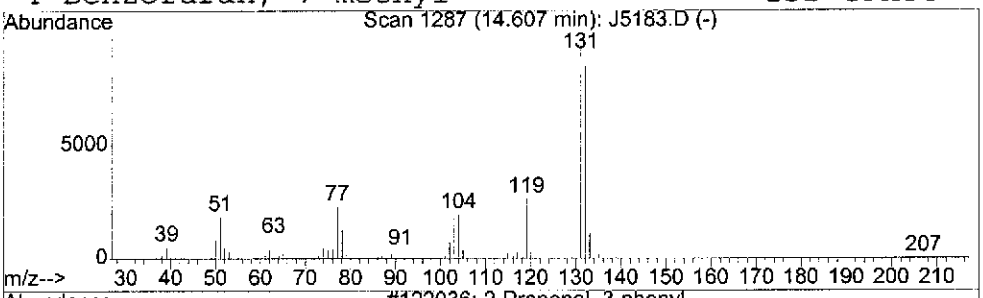
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

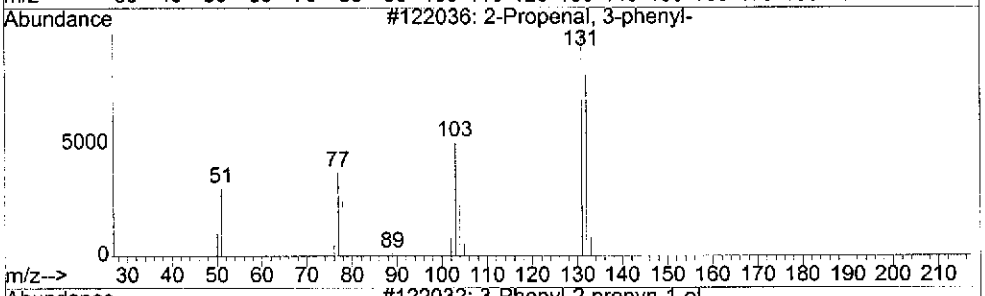
****

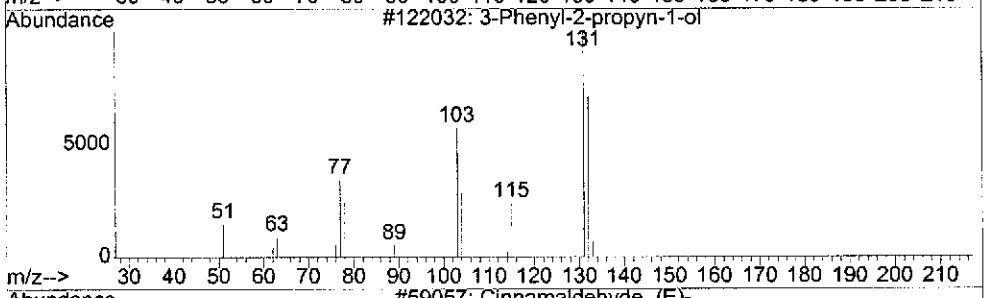
Peak Number 2 Unknown aromatic Concentration Rank 5

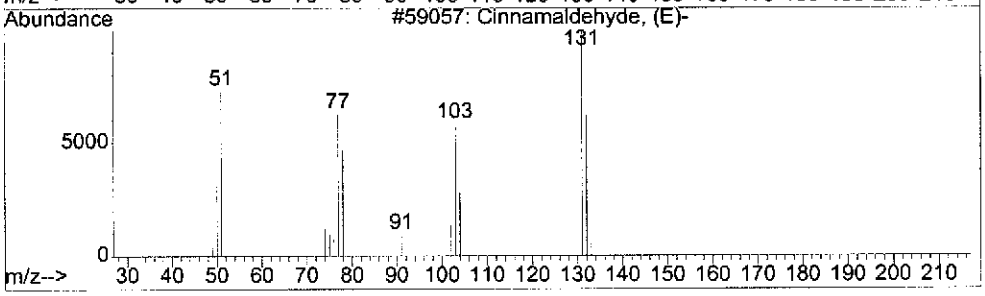
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	7.39 UG	227111	Chlorobenzene-d5	10.33

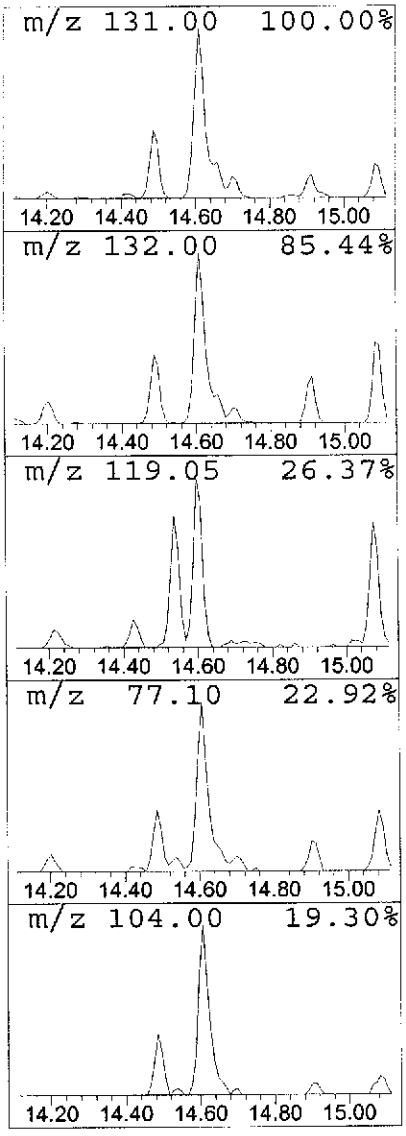
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87
2	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87
4	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	86











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

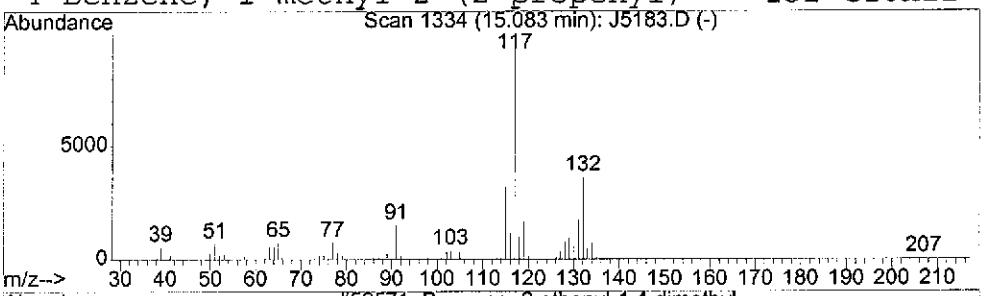
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

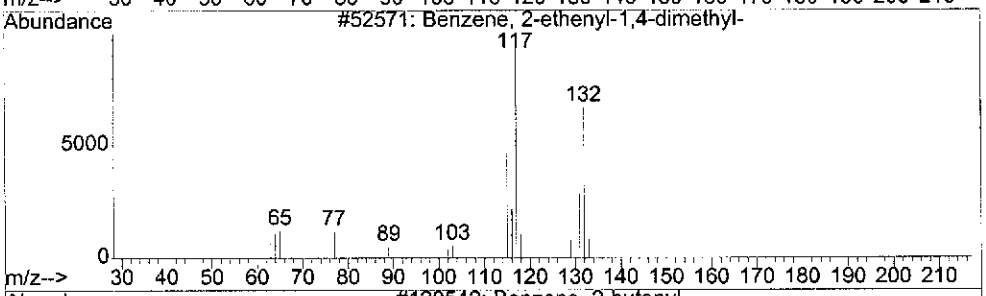
****

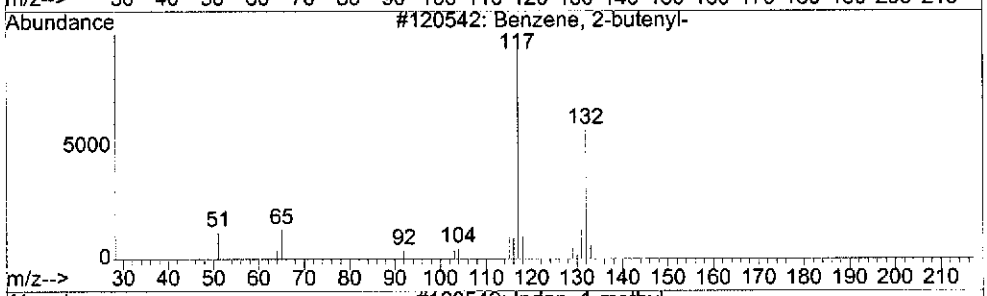
Peak Number 3 Unknown aromatic Concentration Rank 7

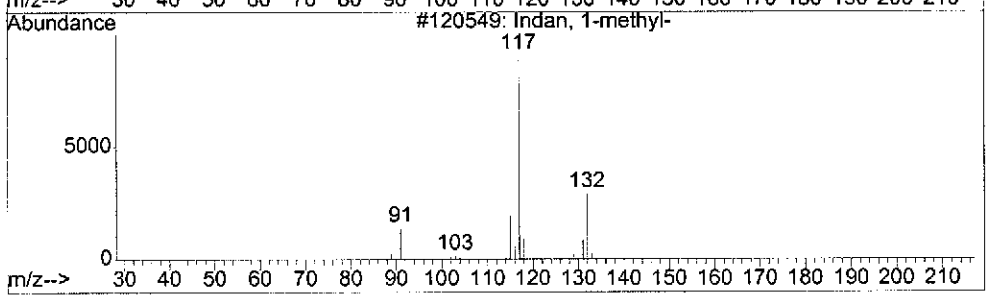
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	5.86 UG	180087	Chlorobenzene-d5	10.33

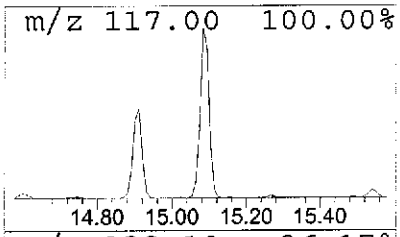
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87

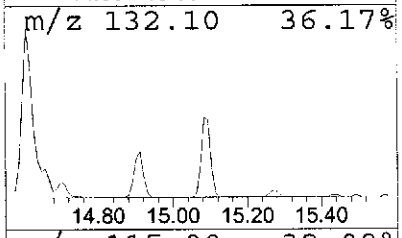


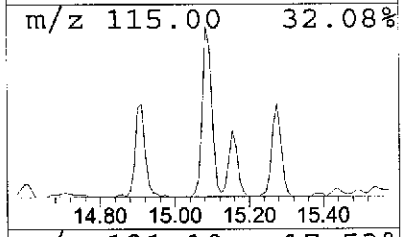


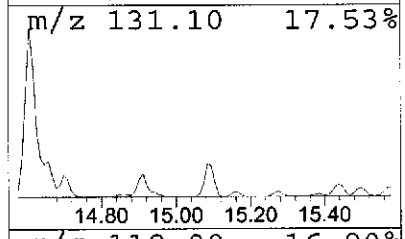


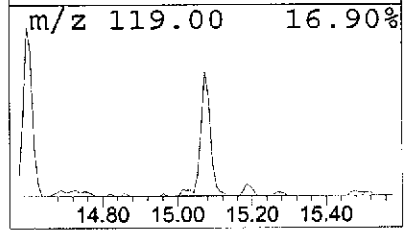












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D
Acq On : 8 May 2008 4:39 am
Sample : MW-2_VO_2,05064-010,A,2.5ml,100
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
MS Integration Params: LSCINT.P

Vial: 42
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

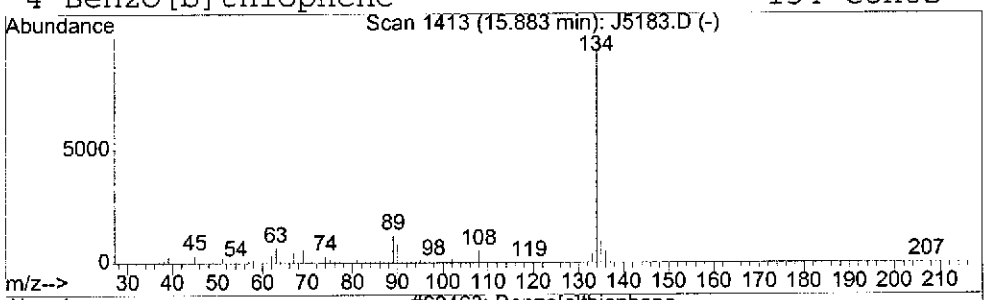
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

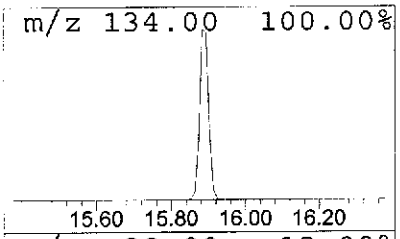
****

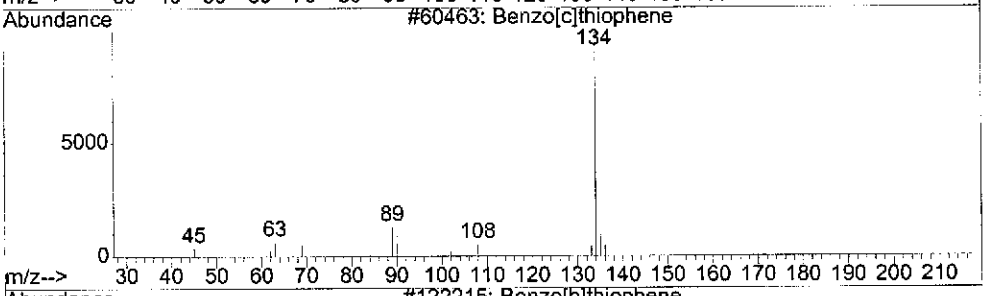
Peak Number 4 Unknown — Concentration Rank 6

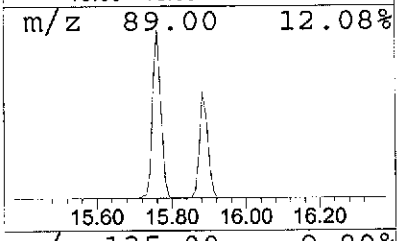
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.10 UG	218172	Chlorobenzene-d5	10.33

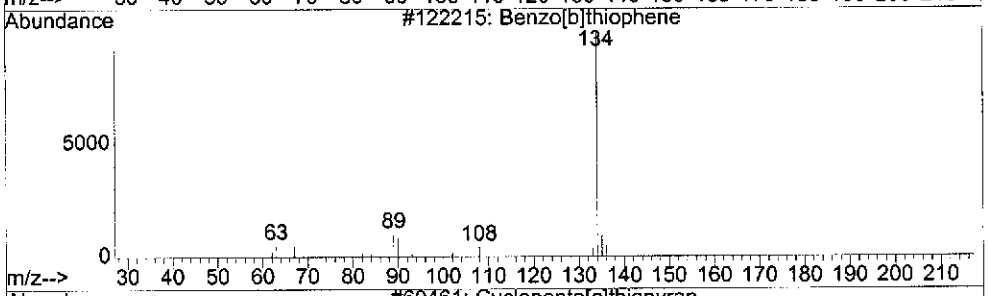
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91

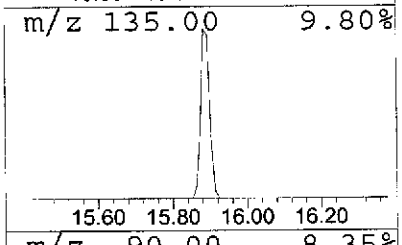


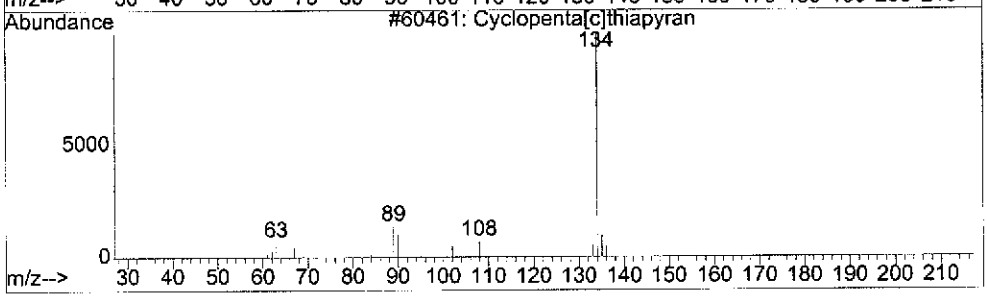


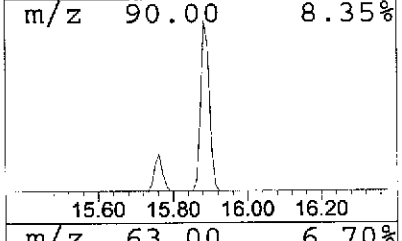


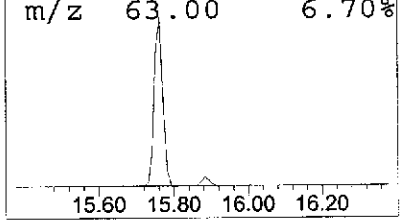












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

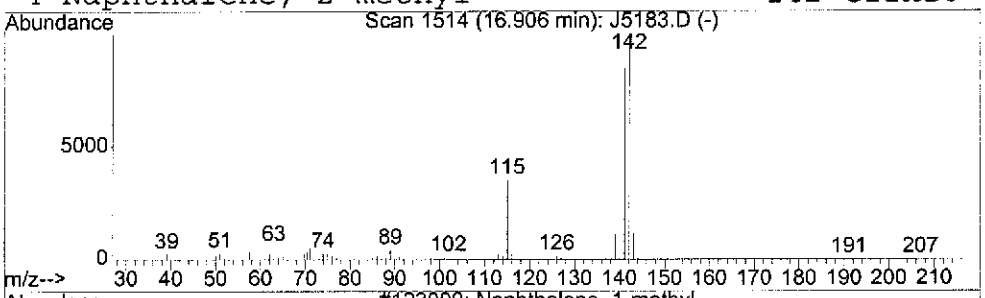
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

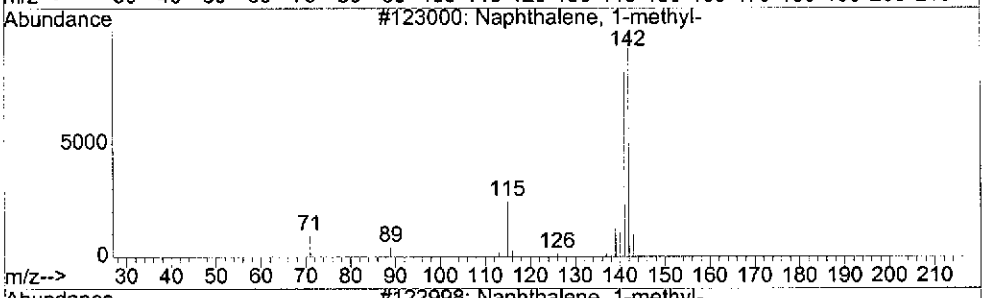
****

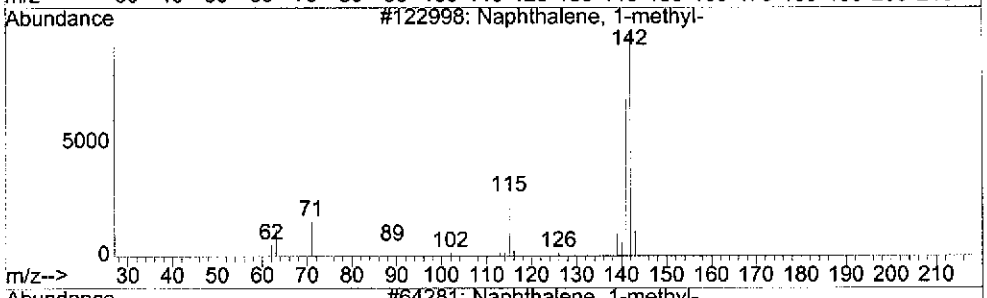
Peak Number 5 Unknown aromatic Concentration Rank 2

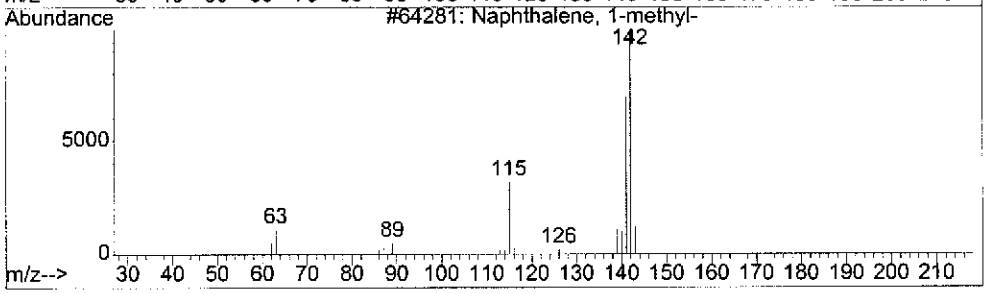
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	56.08 UG	1722270	Chlorobenzene-d5	10.33

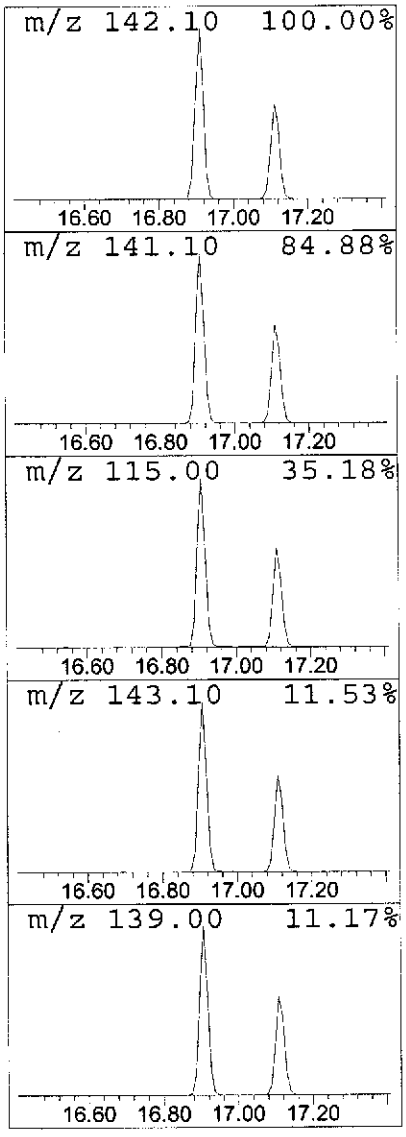
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

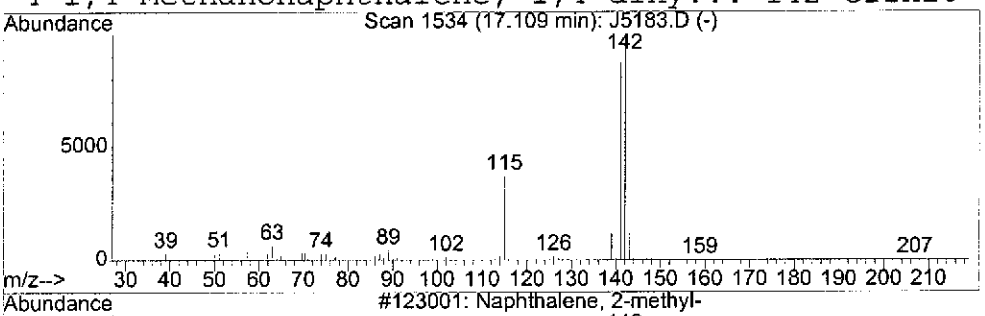
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

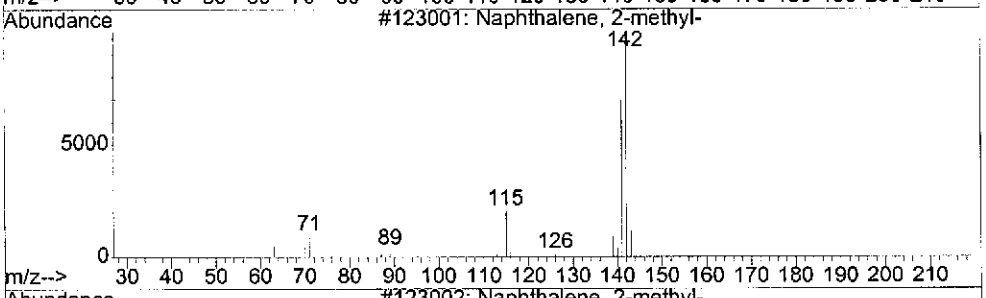
****

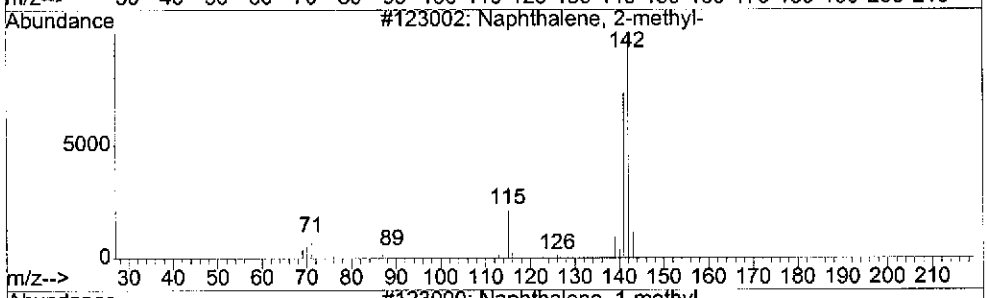
Peak Number 6 Unknown aromatic Concentration Rank 3

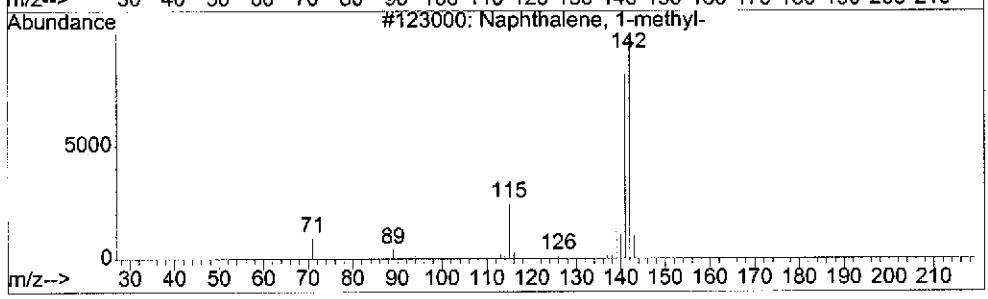
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	33.87 UG	1040260	Chlorobenzene-d5	10.33

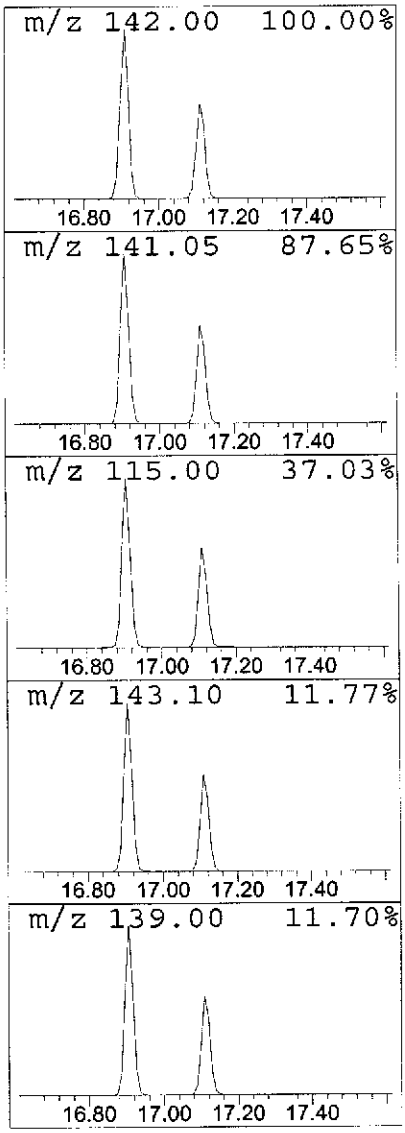
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5183.D Vial: 42
Acq On : 8 May 2008 4:39 am Operator: BINXU
Sample : MW-2_VO_2,05064-010,A,2.5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

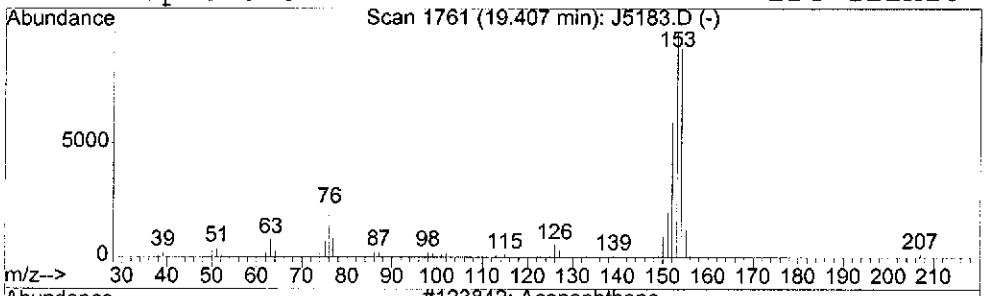
Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

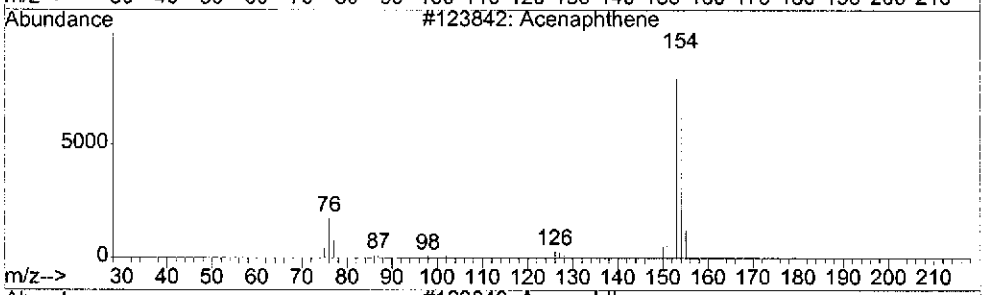
****

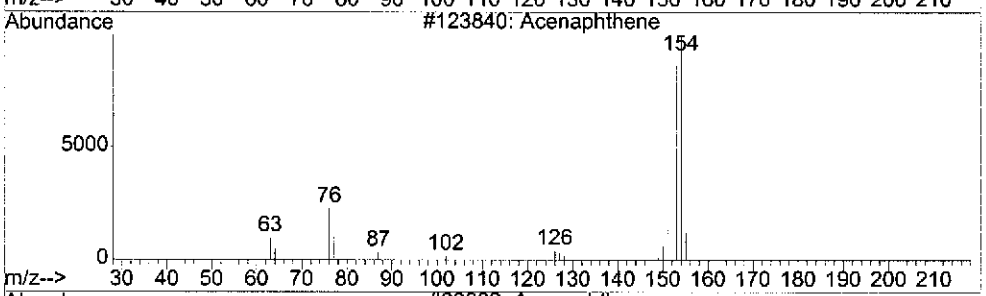
Peak Number 7 Unknown Concentration Rank 4

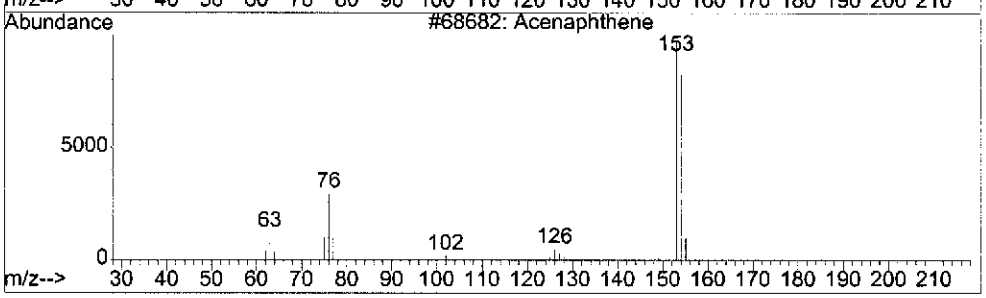
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	9.77 UG	299979	Chlorobenzene-d5	10.33

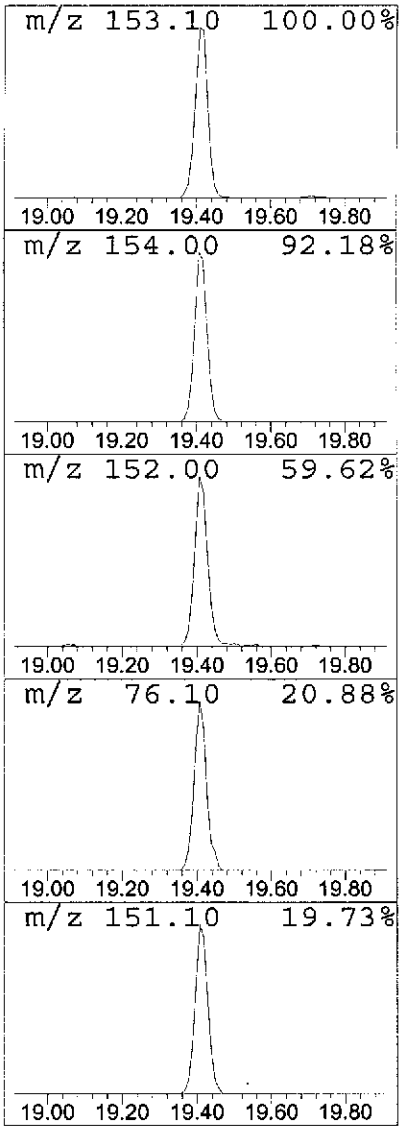
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	94
2	Acenaphthene	154	C12H10	000083-32-9	81
3	Acenaphthene	154	C12H10	000083-32-9	70
4	Acenaphthene	154	C12H10	000083-32-9	68











Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5184.D Vial: 43
Acq On : 8 May 2008 5:06 am Operator: BINXU
Sample : MW-2_VO_3,05064-011,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 05:26:38 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	374838	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	631788	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	552431	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	282179	47.89	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.78%			
41) Toluene-d8	8.66	98	669081	45.91	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 91.82%			
59) Bromofluorobenzene	11.73	95	409259	47.54	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.08%			

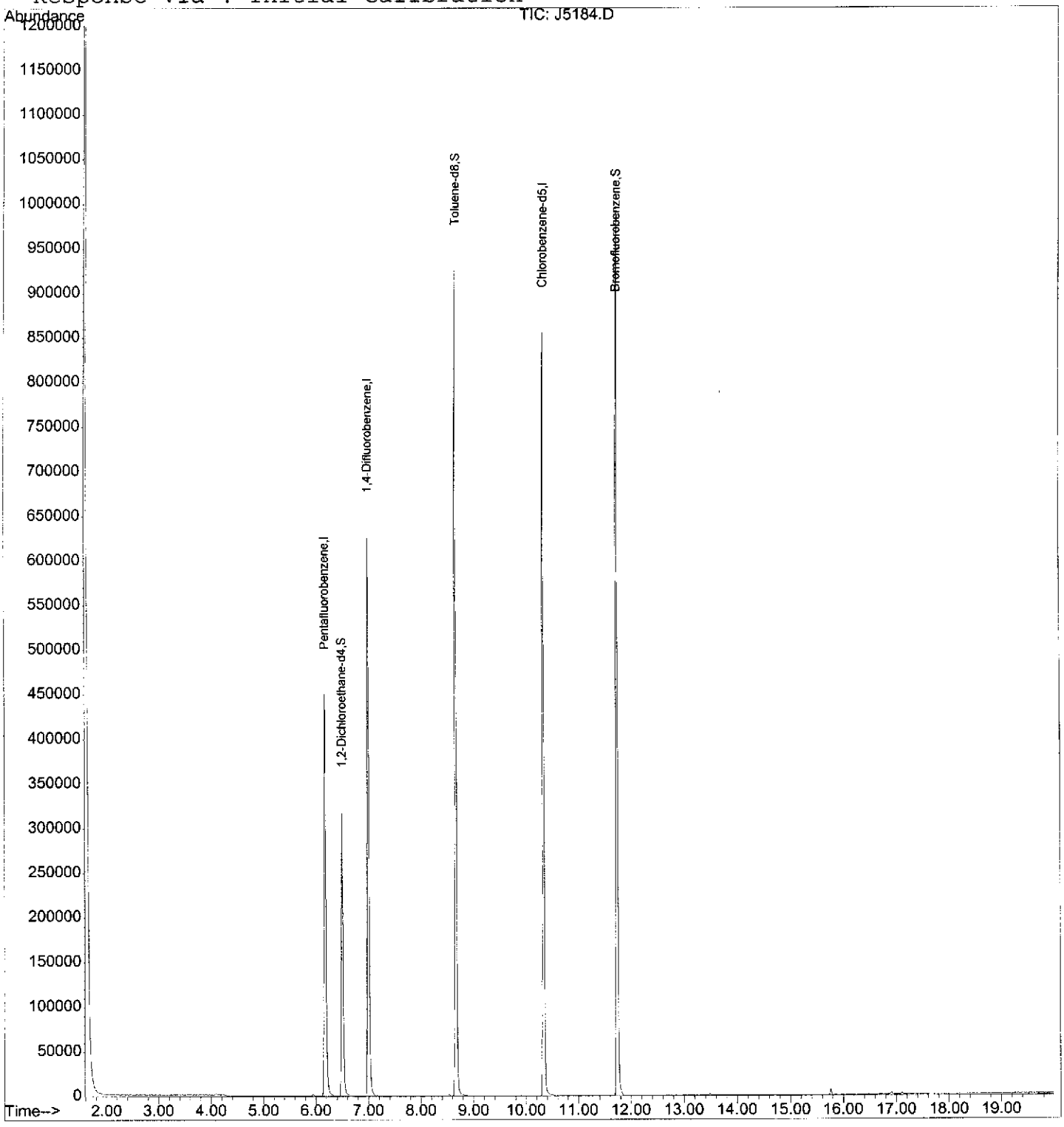
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5184.D Vial: 43
Acq On : 8 May 2008 5:06 am Operator: BINXU
Sample : MW-2_VO_3,05064-011,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:38 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5184.D
Acq On : 8 May 2008 5:06 am
Sample : MW-2_VO_3,05064-011,A,5ml,100
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
MS Integration Params: LSCINT.P

Vial: 43
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

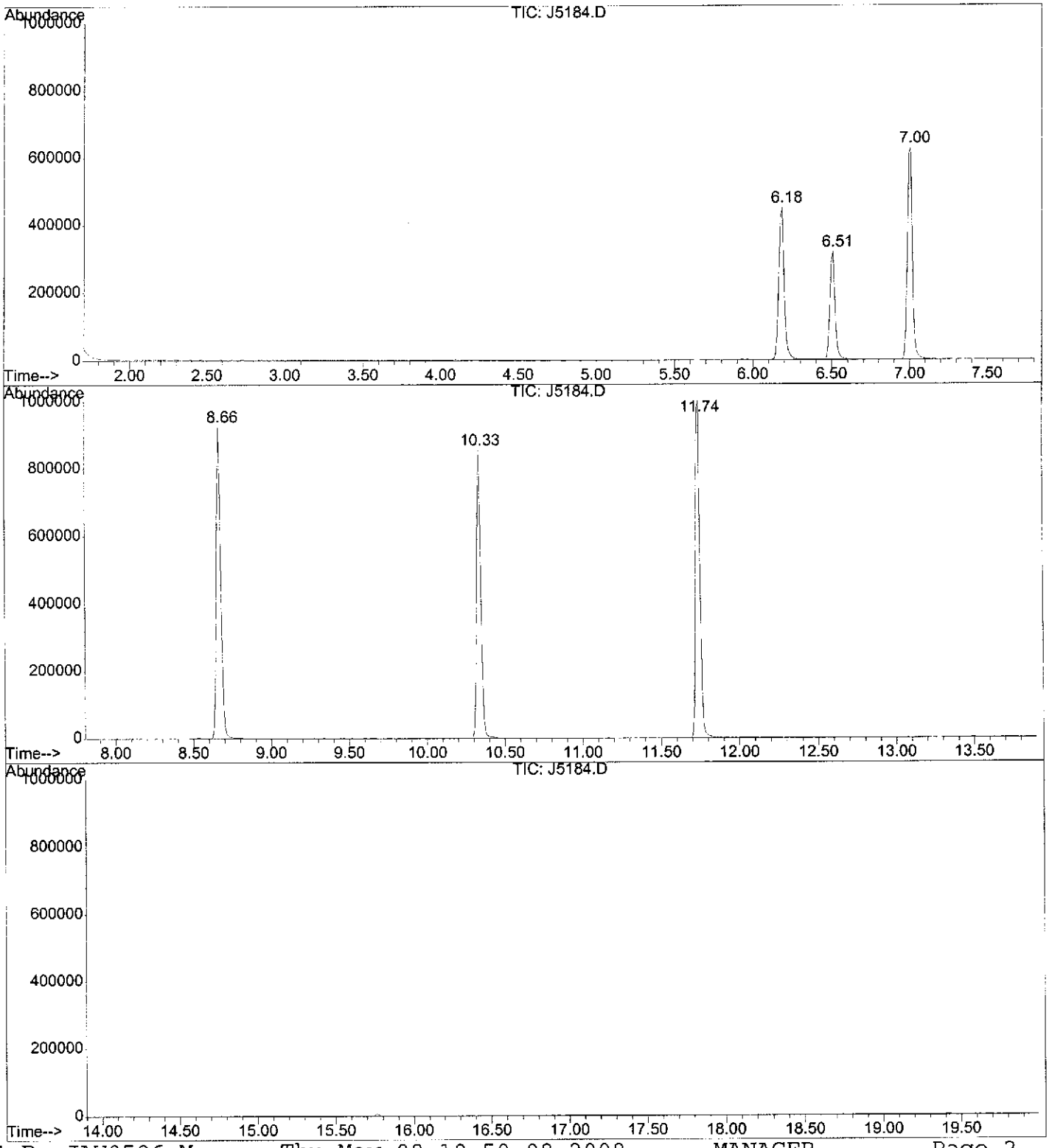
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.183	444	455	479	rBB	450464	1067590	54.48%	12.453%
2	6.507	481	487	502	rBB	318388	721838	36.84%	8.420%
3	7.003	530	536	550	rBB	626280	1387735	70.82%	16.187%
4	8.663	692	700	724	rBB	925780	1835369	93.66%	21.409%
5	10.334	857	865	888	rBB	855980	1600945	81.70%	18.674%
6	11.742	995	1004	1024	rBB	1001339	1959546	100.00%	22.857%

Sum of corrected areas: 8573023

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5184.D
Operator : BINXU
Acquired : 8 May 2008 5:06 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-2_VO_3,05064-011,A,5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 43
Quant File :JAW0506.RES (RTE Integrator)



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5185.D Vial: 44
Acq On : 8 May 2008 5:33 am Operator: BINXU
Sample : MW-2_VO_4,05064-012,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 05:53:36 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	332262	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	564952	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	499113	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	257558	49.31	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.62%			
41) Toluene-d8	8.66	98	606136	46.51	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.02%			
59) Bromofluorobenzene	11.73	95	368515	47.38	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.76%			

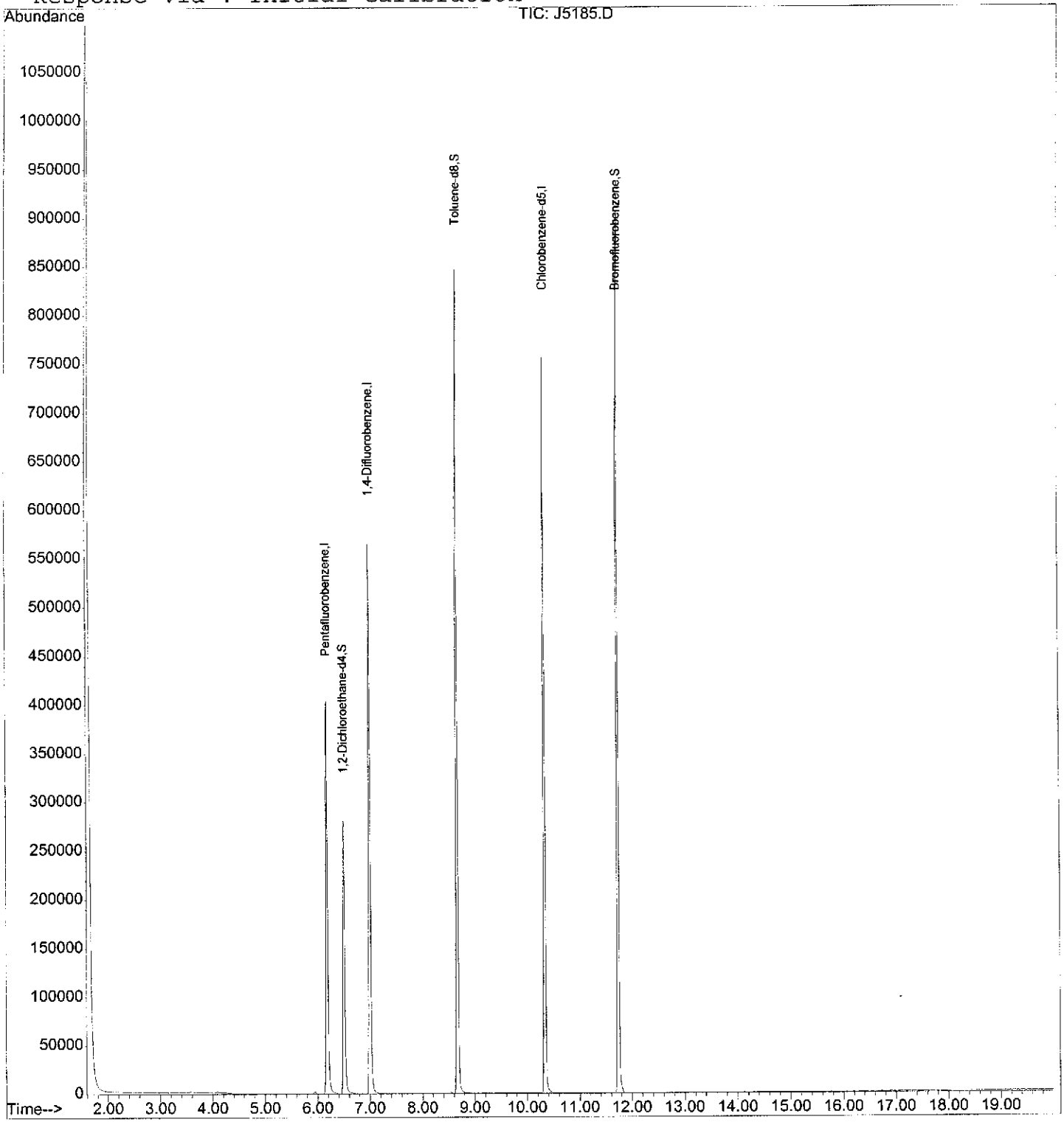
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5185.D Vial: 44
Acq On : 8 May 2008 5:33 am Operator: BINXU
Sample : MW-2_VO_4,05064-012,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 8 9:38 2008 Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5185.D Vial: 44
Acq On : 8 May 2008 5:33 am Operator: BINXU
Sample : MW-2_VO_4,05064-012,A,5ml,100 Inst : MSD_J
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08, Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

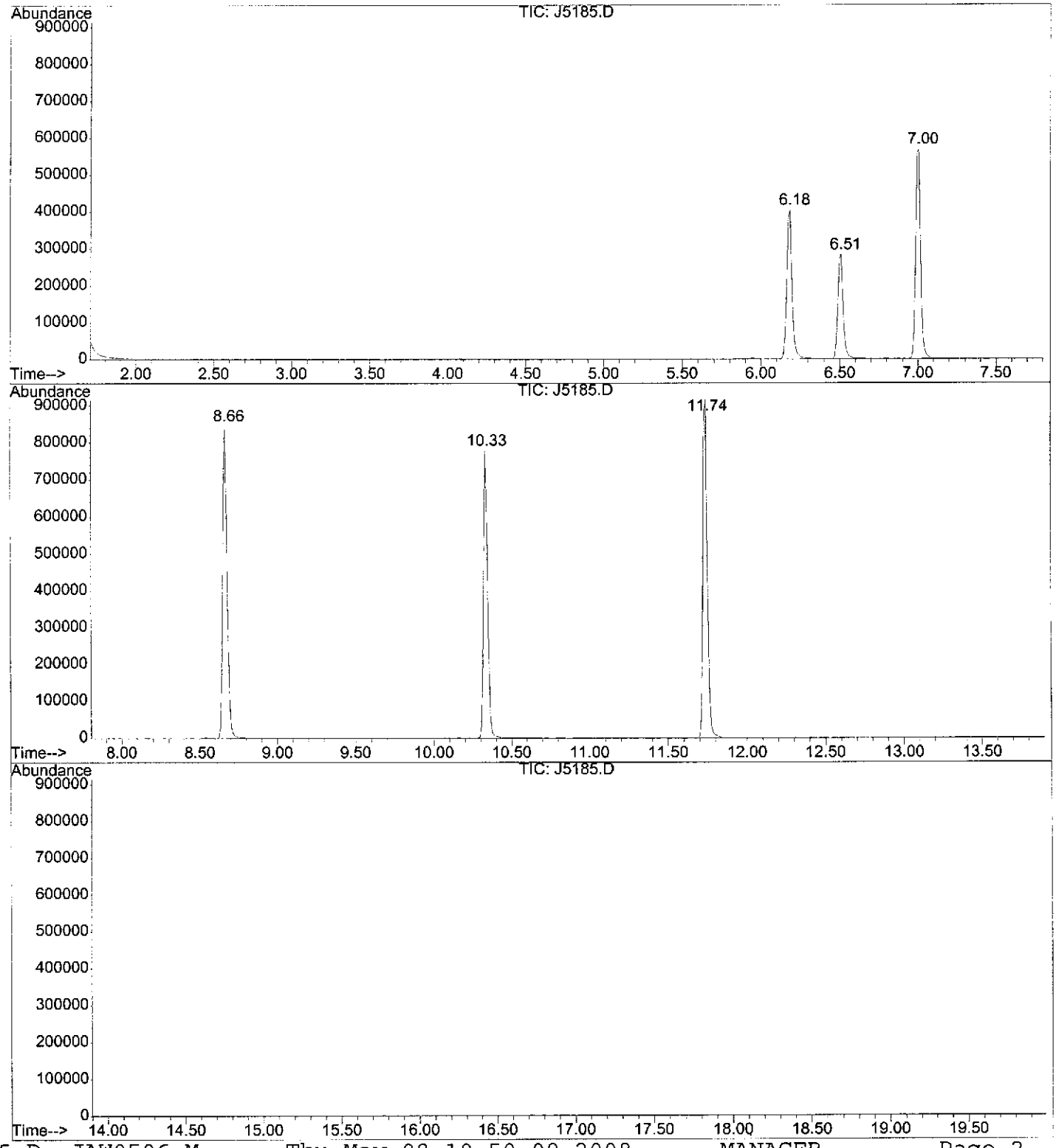
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.182	448	455	476	rBB	404192	946963	53.48%	12.235%
2	6.506	480	487	504	rBB	283502	658782	37.20%	8.512%
3	7.002	530	536	555	rBB	568444	1253238	70.77%	16.193%
4	8.663	694	700	722	rBB	846641	1662528	93.89%	21.481%
5	10.334	858	865	886	rBB	779106	1447252	81.73%	18.699%
6	11.742	996	1004	1020	rBB	916049	1770811	100.00%	22.880%

Sum of corrected areas: 7739574

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5185.D
Operator : BINXU
Acquired : 8 May 2008 5:33 am using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: MW-2_VO_4,05064-012,A,5ml,100
Misc Info : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,
Vial Number: 44
Quant File :JAW0506.RES (RTE Integrator)



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5172.D Vial: 31
Acq On : 7 May 2008 11:43 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 08 00:03:47 2008 Quant Results File: JAW0506.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration
DataAcq Meth : JAW0506

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	264372	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	462554	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	409769	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	219530	52.82	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 105.64%			
41) Toluene-d8	8.66	98	496402	46.52	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.04%			
59) Bromofluorobenzene	11.73	95	300936	47.13	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.26%			

Target Compounds Qvalue

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

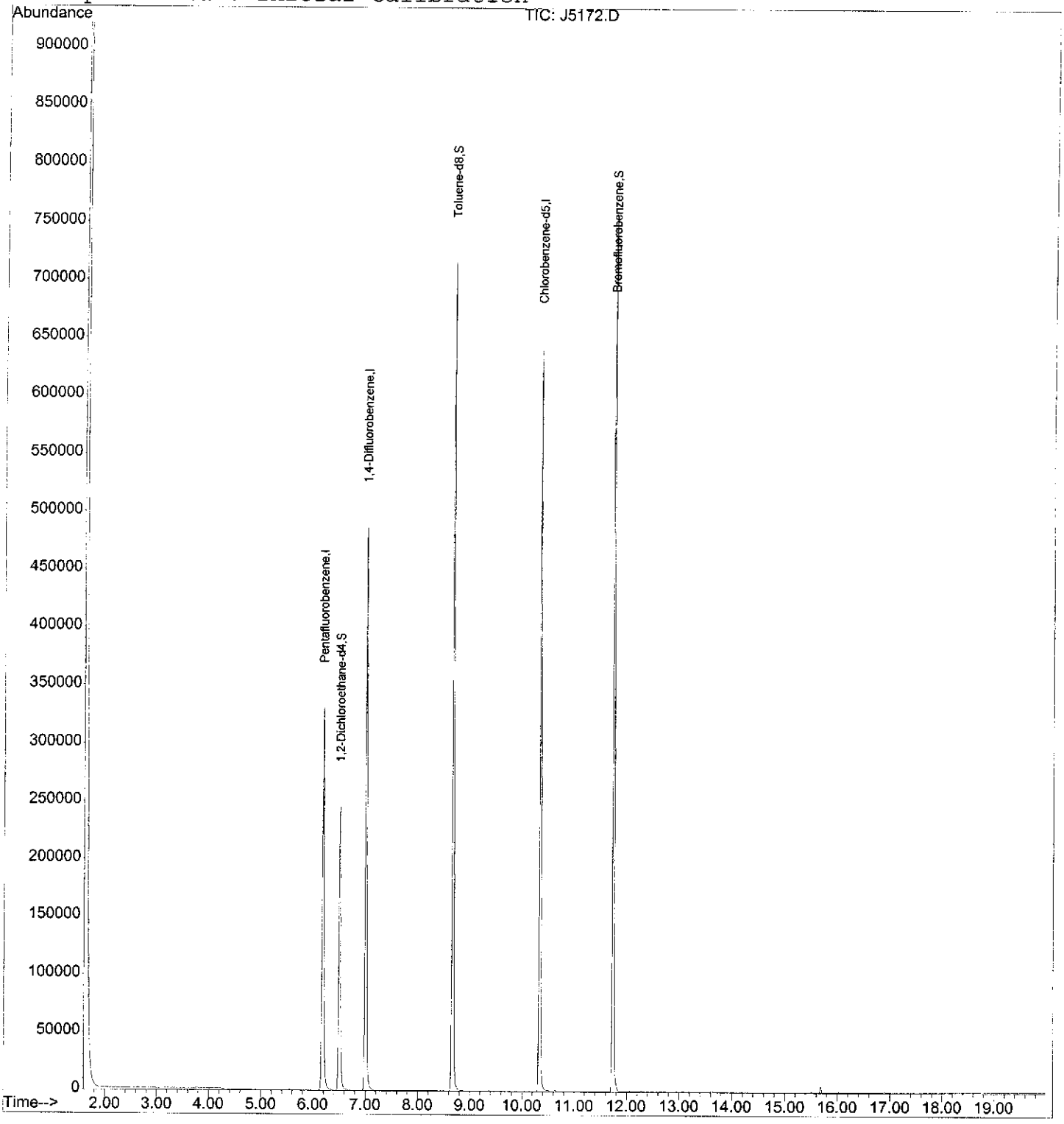
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5172.D
Acq On : 7 May 2008 11:43 pm
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
MS Integration Params: LSCINT.P
Quant Time: May 8 9:27 2008

Vial: 31
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

Quant Results File: JAW0506.RES

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue May 06 16:06:53 2008
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\05-07-08\J5172.D Vial: 31
Acq On : 7 May 2008 11:43 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0506.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Tangent else baseline drop >
Peak separation: 5

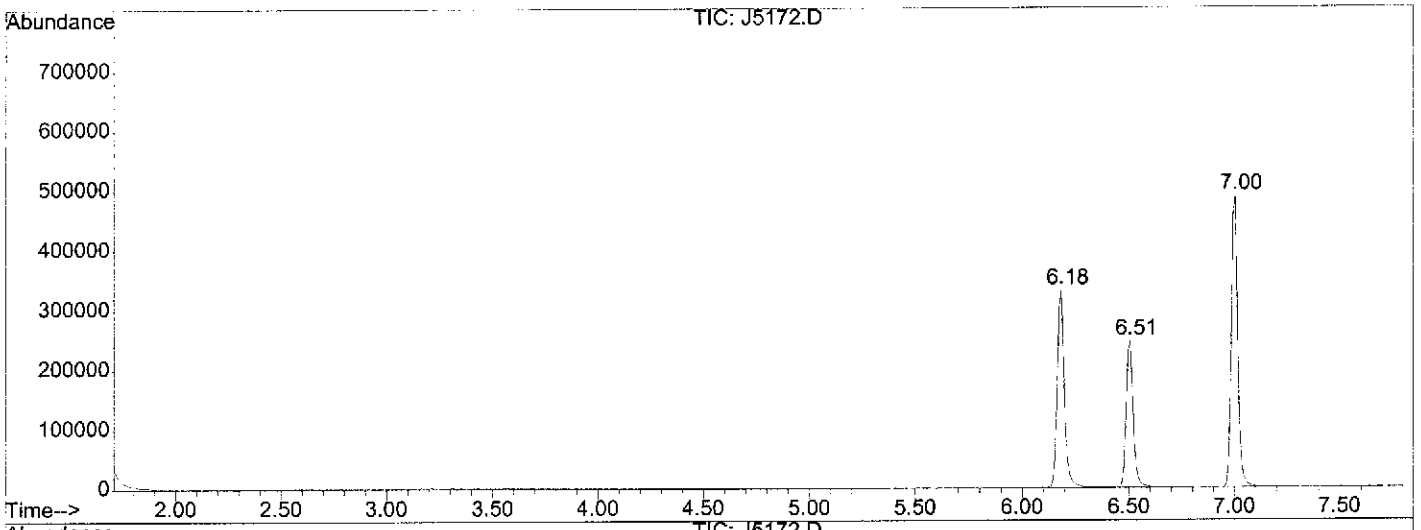
Signal : TIC

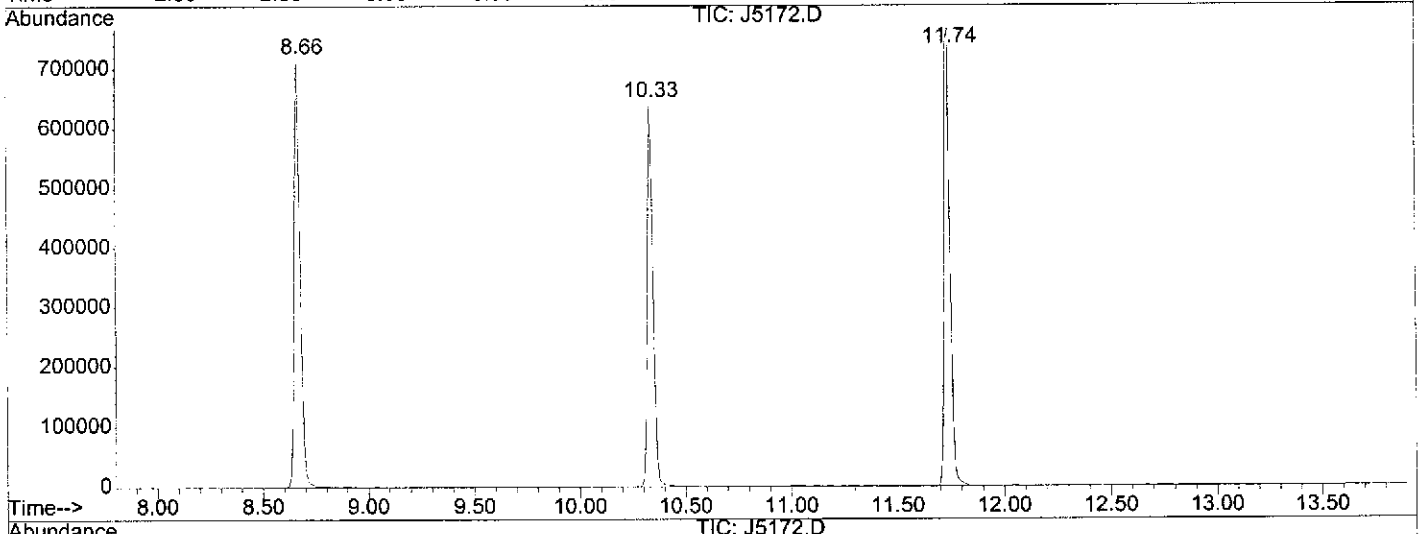
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.182	444	455	481	rBB	330943	772488	52.52%	12.041%
2	6.506	481	487	504	rBB	245567	567841	38.61%	8.851%
3	7.003	529	536	558	rBB	486461	1040774	70.76%	16.222%
4	8.663	692	700	723	rBB	716173	1367567	92.98%	21.316%
5	10.334	855	865	885	rBB	642475	1196248	81.33%	18.646%
6	11.742	994	1004	1016	rBB	767489	1470780	100.00%	22.925%

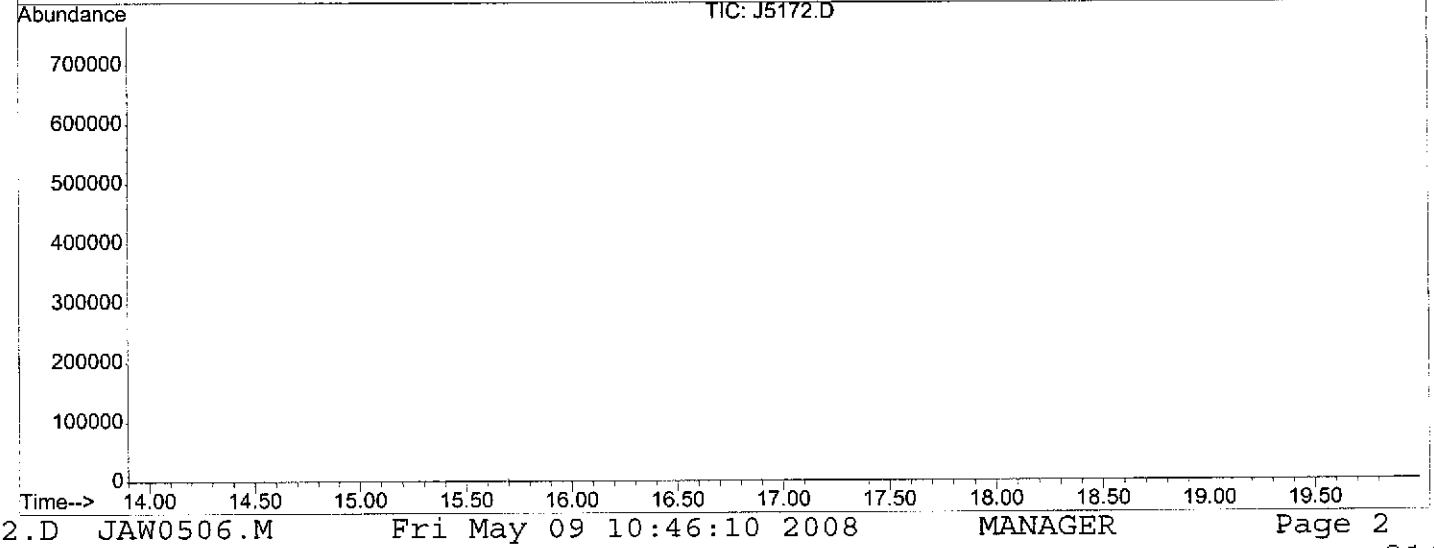
Sum of corrected areas: 6415698

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\05-07-08\J5172.D
Operator : BINXU
Acquired : 7 May 2008 11:43 pm using AcqMethod JAW0506
Instrument : MSD_J
Sample Name: NA,METHOD-BLK,A,5ml,100
Misc Info :
Vial Number: 31
Quant File :JAW0506.RES (RTE Integrator)







SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B7025.D

DFTPP Injection Date : 04/30/2008

Inst ID: MSDB

DFTPP Injection Time: 06:26

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	44.5			
68	Less than 2.0% of mass 69	0.8	(	1.7	)1
69	Mass 69 relative abundance	49.3			
70	Less than 2.0% of mass 69	0.3	(	0.7	)1
127	40.0 - 60.0% of mass 198	59.5			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	7.0			
275	10.0 - 30.0% of mass 198	23.9			
365	Greater than 1.0% of mass 198	2.3			
441	Present, but less than mass 443	8.44	(	70.0	)3
442	40.0 - 100.0% of mass 198	56.9			
443	17.0 - 23.0% of mass 442	12.1	(	21.2	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
ABN007.08	50ng_BNA_FOR_	B7026.D	04/30/2008	06:44
ABN004.08	5ng_BNA_FOR_0	B7027.D	04/30/2008	06:59
ABN005.08	10ng_BNA_FOR_	B7028.D	04/30/2008	07:14
ABN008.08	80ng_BNA_FOR_	B7030.D	04/30/2008	07:45
ABN018.08	50ng_OLMO4_FO	B7031.D	04/30/2008	08:00
ABN006.08	20ng_BNA_FOR_	B7032.D	04/30/2008	08:16
ABN019.08	80ng_OLMO4_FO	B7033.D	04/30/2008	08:46
ABN017.08	20ng_OLMO4_FO	B7034.D	04/30/2008	09:01
ABN016.08	10ng_OLMO4_FO	B7035.D	04/30/2008	09:16
ABN015.08	5ng_OLMO4_FOR	B7036.D	04/30/2008	09:32
	Method_blank	B7037.D	04/30/2008	09:52
	MS(BLK)	B7038.D	04/30/2008	10:07
	MSD(BLK)	B7039.D	04/30/2008	10:23
MW1	04541-001	B7040.D	04/30/2008	10:38
MW2	04541-002	B7041.D	04/30/2008	10:53
MW3	04541-003	B7042.D	04/30/2008	11:08
HR-GW	04546-001	B7043.D	04/30/2008	11:24
PZ-3/12.18	04547-001	B7044.D	04/30/2008	11:39
MW-1/9.77	04537-001	B7045.D	04/30/2008	11:55
MW-2/9.82	04537-002	B7046.D	04/30/2008	12:10
MW-3/9.87	04537-003	B7047.D	04/30/2008	12:25
FB	04537-004	B7048.D	04/30/2008	12:41
POTABLE_WELL	04559-001	B7049.D	04/30/2008	12:56

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B7025.D

DFTPP Injection Date : 04/30/2008

Inst ID: MSDB

DFTPP Injection Time: 06:26

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	44.5			
68	Less than 2.0% of mass 69	0.8	(	1.7	)1
69	Mass 69 relative abundance	49.3			
70	Less than 2.0% of mass 69	0.3	(	0.7	)1
127	40.0 - 60.0% of mass 198	59.5			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	7.0			
275	10.0 - 30.0% of mass 198	23.9			
365	Greater than 1.0% of mass 198	2.3			
441	Present, but less than mass 443	0.00	(	70.0	)3
442	40.0 - 100.0% of mass 198	56.9			
443	17.0 - 23.0% of mass 442	12.1	(	21.2	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
T-1	04567-001	B7050.D	04/30/2008	13:12
TMP-1/8.5	04568-001	B7051.D	04/30/2008	13:27
MW-8	04569-001	B7052.D	04/30/2008	13:42
PW-1/250	04575-001	B7053.D	04/30/2008	13:58
TWP-1-042408	04578-001	B7054.D	04/30/2008	14:13
FIELD	04578-003	B7055.D	04/30/2008	14:29
TWP-1/9	04576-001	B7056.D	04/30/2008	14:44
MW-1	04580-001	B7057.D	04/30/2008	15:00
FIELD	04587-002	B7058.D	04/30/2008	15:15
MW-1	04587-003	B7059.D	04/30/2008	15:30
MW-2/9.82	04537-002	B7060.D	04/30/2008	15:46
MW-3/9.87	04537-003	B7061.D	04/30/2008	16:01
PZ-3/12.18	04547-001	B7062.D	04/30/2008	16:17

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B7317.D DFTPP Injection Date : 05/09/2008

Inst ID: MSDB DFTPP Injection Time: 09:02

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	32.1			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	38.3			
70	Less than 2.0% of mass 69	0.2	(	0.6	)1
127	40.0 - 60.0% of mass 198	52.2			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.4			
275	10.0 - 30.0% of mass 198	27.3			
365	Greater than 1.0% of mass 198	3.6			
441	Present, but less than mass 443	12.49	(	75.2	)3
442	40.0 - 100.0% of mass 198	81.4			
443	17.0 - 23.0% of mass 442	16.6	(	20.4	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
ABN006.08	20ng_BNA_FOR_	B7318.D	05/09/2008	09:18
ABN017.08	20ng_OLMO4_FO	B7319.D	05/09/2008	09:34
TW-3/12	04870-001	B7331.D	05/09/2008	13:09
S-1	04966-001	B7332.D	05/09/2008	13:24
.	Method_blank	B7333.D	05/09/2008	13:40
.	MS(BLK)	B7334.D	05/09/2008	13:55
.	MSD(BLK)	B7335.D	05/09/2008	14:10
MW-1	05014-001	B7336.D	05/09/2008	14:25
MW-2	05014-002	B7337.D	05/09/2008	14:41
MW-3	05014-003	B7338.D	05/09/2008	14:56
WELL_POINT	05024-001	B7339.D	05/09/2008	15:11
MW-1	05035-001	B7340.D	05/09/2008	15:26
FIELD	05035-002	B7341.D	05/09/2008	15:42
FR-MW1	05054-001	B7342.D	05/09/2008	15:57
FIELD	05065-002	B7343.D	05/09/2008	16:12
MW-1	05065-003	B7344.D	05/09/2008	16:27
04180809	05029-001	B7345.D	05/09/2008	16:43
ANS-2151-W1/	05012-001	B7346.D	05/09/2008	16:58
ANS-2151-W2/	05012-002	B7347.D	05/09/2008	17:13
AND-2151-W3/	05012-003	B7348.D	05/09/2008	17:28
EFFLUENT_GRA	05038-002	B7349.D	05/09/2008	17:44
MW-2	05064-002	B7350.D	05/09/2008	17:59
MW-3	05064-003	B7351.D	05/09/2008	18:14

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B7317.D DFTPP Injection Date : 05/09/2008

Inst ID: MSDB DFTPP Injection Time: 09:02

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	32.1			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	38.3			
70	Less than 2.0% of mass 69	0.2	(	0.6	)1
127	40.0 - 60.0% of mass 198	52.2			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.4			
275	10.0 - 30.0% of mass 198	27.3			
365	Greater than 1.0% of mass 198	3.6			
441	Present, but less than mass 443	0.00	(	75.2	)3
442	40.0 - 100.0% of mass 198	81.4			
443	17.0 - 23.0% of mass 442	16.6	(	20.4	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
MW-4	05064-004	B7352.D	05/09/2008	18:30
MW-5	05064-005	B7353.D	05/09/2008	18:45
MW-6	05064-006	B7354.D	05/09/2008	19:00
FIELD_BLANK	05064-007	B7355.D	05/09/2008	19:15

SEMIVOLATILE METHOD BLANK SUMMARY

Lab File ID: B7333.D Instrument ID: MSDB

Date Extracted: 05/07/08 Matrix: AQUEOUS

Date Analyzed: 05/09/2008 Time Analyzed: 13:40

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
.	MS(BLK)	05/09/2008	13:55
.	MSD(BLK)	05/09/2008	14:10
MW-1	05014-001	05/09/2008	14:25
MW-2	05014-002	05/09/2008	14:41
MW-3	05014-003	05/09/2008	14:56
WELL_POINT	05024-001	05/09/2008	15:11
MW-1	05035-001	05/09/2008	15:26
FIELD	05035-002	05/09/2008	15:42
FR-MW1	05054-001	05/09/2008	15:57
FIELD	05065-002	05/09/2008	16:12
MW-1	05065-003	05/09/2008	16:27
04180809	05029-001	05/09/2008	16:43
ANS-2151-W1/	05012-001	05/09/2008	16:58
ANS-2151-W2/	05012-002	05/09/2008	17:13
AND-2151-W3/	05012-003	05/09/2008	17:28
EFFLUENT_GRA	05038-002	05/09/2008	17:44
MW-2	05064-002	05/09/2008	17:59
MW-3	05064-003	05/09/2008	18:14
MW-4	05064-004	05/09/2008	18:30
MW-5	05064-005	05/09/2008	18:45
MW-6	05064-006	05/09/2008	19:00
FIELD_BLANK	05064-007	05/09/2008	19:15

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7333.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
N-Nitrosodimethylamine	ND		0.460
Pyridine	ND		0.400
Benzaldehyde	ND		0.170
Phenol	ND		0.230
Aniline	ND		0.540
Bis(2-chloroethyl) ether	ND		0.220
2-Chlorophenol	ND		0.300
1,3-Dichlorobenzene	ND		0.180
1,4-Dichlorobenzene	ND		0.140
Benzyl alcohol	ND		0.410
1,2-Dichlorobenzene	ND		0.240
2-Methylphenol	ND		0.260
Bis(2-chloroisopropyl) ether	ND		0.180
4-Methylphenol	ND		0.280
N-Nitrosodi-n-propylamine	ND		0.210
Acetophenone	ND		0.250
2-Aminotoluene +4-Aminotoluene	ND		0.320
Hexachloroethane	ND		0.290
Nitrobenzene	ND		0.230
Isophorone	ND		0.230
2-Nitrophenol	ND		0.570
2,4+2,5-Dimethylphenol	ND		0.500
Bis(2-chloroethoxy) methane	ND		0.210
Benzoic acid	ND		0.360
2,4-Dimethylaniline	ND		0.180
2,4-Dichlorophenol	ND		0.300
1,2,4-Trichlorobenzene	ND		0.220
Naphthalene	ND		0.134
4-Chloroaniline	ND		0.680
Hexachlorobutadiene	ND		0.460
Caprolactam	ND		0.640
4-Chloro-3-methylphenol	ND		0.530
2-Methylnaphthalene	ND		0.188
Hexachlorocyclopentadiene	ND		0.150
2,4,6-Trichlorophenol	ND		0.250
2,4,5-Trichlorophenol	ND		0.320
Biphenyl	ND		0.230
2-Chloronaphthalene	ND		0.140
2-Nitroaniline	ND		0.280
Dimethyl phthalate	ND		0.230

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7333.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.340
Acenaphthylene	ND		0.146
3-Nitroaniline	ND		0.210
Acenaphthene	ND		0.206
2,4-Dinitrophenol	ND		0.330
4-Nitrophenol	ND		0.400
2,4-Dinitrotoluene	ND		0.340
Dibenzofuran	ND		0.170
Diethyl phthalate	ND		0.190
Fluorene	ND		0.188
4-Chlorophenyl phenyl ether	ND		0.260
4-Nitroaniline	ND		0.530
1,2,4,5-Tetrachlorobenzene	ND		0.260
4,6-Dinitro-2-methylphenol	ND		0.150
N-Nitrosodiphenylamine	ND		0.250
1,2-Diphenylhydrazine	ND		0.130
4-Bromophenyl phenyl ether	ND		0.290
Hexachlorobenzene	ND		0.210
Atrazine	ND		0.280
Pentachlorophenol	ND		0.240
Phenanthrene	ND		0.200
Anthracene	ND		0.091
Carbazole	ND		0.110
Di-n-butyl phthalate	ND		0.100
Fluoranthene	ND		0.222
Benzidine	ND		0.320
Pyrene	ND		0.176
3,3'-Dimethylbenzidine	ND		0.210
Butyl benzyl phthalate	ND		0.280
3,3'-Dichlorobenzidine	ND		0.200
Benzo[a]anthracene	ND		0.300
Chrysene	ND		0.117
Bis(2-ethylhexyl) phthalate	ND		0.220
Di-n-octyl phthalate	ND		0.340
Benzo[b]fluoranthene	ND		0.250
Benzo[k]fluoranthene	ND		0.380
Benzo[a]pyrene	ND		0.250
Indeno[1,2,3-cd]pyrene	ND		0.190
Dibenz[a,h]anthracene	ND		0.290
Benzo[g,h,i]perylene	ND		0.215

Total Target Compounds: 0

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration

Calibration Files
5 =B7027.D 10 =B7028.D 20 =B7032.D
50 =B7026.D 80 =B7030.D

		Compound	5	10	20	50	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)	T	N-Nitrosodimethylam	0.643	0.750	0.627	0.650	0.678	0.670	7.26
3)	T	Pyridine	0.847	0.990	0.907	0.867	0.981	0.918	7.09
4)	S	2-Fluorophenol	1.231	1.293	1.158	0.965	1.192	1.168	10.60
5)	T	Benzaldehyde	1.016	0.963	1.179	0.624	0.896	0.936	21.71
6)	S	Phenol-d5	1.527	1.879	1.518	1.404	1.790	1.624	12.39
7)	MC	Phenol	2.015	1.704	1.800	1.611	1.721	1.770	8.60
8)	T	Aniline	1.222	1.224	1.003	0.769	1.122	1.068	17.79
9)	T	Bis(2-chloroethyl)	1.251	1.335	1.275	1.046	1.238	1.229	8.84
10)	M	2-Chlorophenol	1.381	1.318	1.380	1.220	1.342	1.328	4.97
11)	T	1,3-Dichlorobenzene	1.667	1.536	1.577	1.244	1.580	1.521	10.65
12)	MC	1,4-Dichlorobenzene	1.434	1.588	1.581	1.478	1.721	1.560	7.14
13)	T	Benzyl alcohol	1.041	1.035	0.912	0.755	1.177	0.984	16.11
14)	T	1,2-Dichlorobenzene	1.442	1.518	1.475	1.382	1.793	1.522	10.48
15)	T	2-Methylphenol	1.579	1.558	1.349	1.193	1.649	1.465	12.90
16)	T	Bis(2-chloroisoprop	2.444	2.412	2.363	1.790	2.204	2.242	12.01
17)	T	4-Methylphenol	1.514	1.591	1.336	1.160	1.531	1.427	12.39
18)	MP	N-Nitrosodi-n-propy	1.355	1.295	1.262	1.100	1.261	1.255	7.56
19)	T	Acetophenone	1.872	1.953	2.218	1.722	1.939	1.941	9.27
20)	T	2-Aminotoluene +4-A	2.488	2.477	2.405	1.902	2.289	2.312	10.48
21)	T	Hexachloroethane	0.594	0.603	0.583	0.534	0.665	0.596	7.89
22)	T	2,6-Dimethylphenol						0.000	-1.00
23)	I	Naphthalene-d8	----------ISTD----------						
24)	S	Nitrobenzene-d5	0.422	0.386	0.519	0.441	0.462	0.446	11.15
25)	T	Nitrobenzene	0.457	0.484	0.450	0.404	0.484	0.456	7.19
26)	T	Isophorone	0.735	0.731	0.683	0.661	0.755	0.713	5.47
27)	TC	2-Nitrophenol	0.188	0.188	0.174	0.172	0.226	0.190	11.55
28)	T	2,4+2,5-Dimethylphe	0.361	0.386	0.367	0.316	0.429	0.372	11.08
29)	T	Bis(2-chloroethoxy)	0.390	0.427	0.393	0.361	0.454	0.405	8.93
30)	T	Benzoic acid	0.126	0.146	0.122	0.143	0.155	0.139	10.06
31)	T	2,4-Dimethylaniline	0.381	0.392	0.331	0.318	0.383	0.361	9.40
32)	TC	2,4-Dichlorophenol	0.278	0.271	0.277	0.245	0.338	0.282	12.07
33)	M	1,2,4-Trichlorobenz	0.306	0.310	0.293	0.280	0.332	0.304	6.42
34)	T	Naphthalene	1.011	1.023	1.000	0.992	1.113	1.028	4.77
35)	T	4-Chloroaniline	0.458	0.603	0.523	0.516	0.694	0.559	16.34
36)	T	4-Aminoaniline						0.000	-1.00
37)	TC	Hexachlorobutadiene	0.175	0.194	0.177	0.166	0.205	0.184	8.62
38)	T	Caprolactam	0.138	0.154	0.171	0.140	0.166	0.154	9.64
39)	T	2-Aminoaniline						0.000	-1.00
40)	MC	4-Chloro-3-methylph	0.318	0.307	0.304	0.267	0.347	0.309	9.23
41)	T	2-Methylnaphthalene	0.722	0.810	0.641	0.607	0.833	0.723	13.86
42)	T	3,5-Dimethylphenol						0.000	-1.00
43)	I	Acenaphthene-d10	----------ISTD----------						
44)	TP	Hexachlorocyclopent	0.214	0.262	0.267	0.304	0.389	0.287	22.73
45)	TC	2,4,6-Trichlorophen	0.325	0.335	0.317	0.289	0.400	0.333	12.31
46)	T	2,4,5-Trichlorophen	0.462	0.456	0.373	0.344	0.504	0.428	15.68
47)	S	2-Fluorobiphenyl	1.506	1.096	1.672	1.351	1.225	1.370	16.91

49)	T	2-Chloronaphthalene	1.107	1.116	1.004	1.017	1.268	1.102	9.59
50)	T	2-Nitroaniline	0.514	0.538	0.395	0.371	0.544	0.472	17.50
51)	T	Dimethyl phthalate	1.393	1.265	1.229	1.086	1.313	1.257	9.03
52)	T	2,6-Dinitrotoluene	0.281	0.257	0.265	0.239	0.337	0.276	13.60
53)	T	Acenaphthylene	1.702	1.763	1.802	1.654	1.832	1.751	4.16
54)	T	3-Nitroaniline	0.400	0.382	0.299	0.280	0.401	0.352	16.52
55)	MC	Acenaphthene	1.200	1.127	1.122	1.051	1.272	1.154	7.29
56)	TP	2,4-Dinitrophenol	0.276	0.298	0.294	0.256	0.367	0.298	13.96
57)	MP	4-Nitrophenol	0.253	0.321	0.281	0.254	0.321	0.286	11.80
58)	M	2,4-Dinitrotoluene	0.339	0.339	0.337	0.311	0.365	0.338	5.65
59)	T	Dibenzofuran	0.065	0.055	0.047	0.044	0.055	0.053	15.15
60)	T	Diethyl phthalate	1.364	1.363	1.201	1.065	1.448	1.288	11.92
61)	T	Fluorene	1.265	1.271	1.292	1.200	1.375	1.281	4.91
62)	T	4-Chlorophenyl phen	0.596	0.601	0.582	0.559	0.683	0.604	7.78
63)	T	4-Nitroaniline	0.378	0.403	0.334	0.318	0.446	0.376	13.77
64)		1,2,4,5-Tetrachloro	0.581	0.492	0.446	0.364	0.589	0.495	19.19
65)	T	Hydroquinone						0.000	-1.00
66)	I	Phenanthrene-d10	----------ISTD----------						
67)	T	4,6-Dinitro-2-methy	0.101	0.091	0.100	0.092	0.141	0.105	19.52
68)	TC	N-Nitrosodiphenylam	0.486	0.508	0.484	0.441	0.630	0.510	14.02
69)	T	1,2-Diphenylhydrazi	0.986	0.939	0.856	0.761	1.047	0.918	12.21
70)	S	2,4,6-Tribromopheno	0.168	0.186	0.150	0.165	0.194	0.173	10.36
71)	T	4-Bromophenyl pheny	0.216	0.215	0.209	0.192	0.241	0.215	8.13
72)	T	Hexachlorobenzene	0.238	0.256	0.247	0.247	0.303	0.258	10.06
73)	T	Atrazine	0.173	0.189	0.196	0.113	0.146	0.163	20.76
74)	MC	Pentachlorophenol	0.114	0.120	0.117	0.115	0.157	0.125	14.65
75)	T	Phenanthrene	0.987	0.993	0.970	0.904	1.069	0.984	5.99
76)	T	Anthracene	1.020	1.017	1.009	0.881	1.050	0.996	6.59
77)	T	Carbazole	0.945	0.903	0.848	0.790	0.967	0.890	8.12
78)	T	Di-n-butyl phthalat	1.158	1.211	1.149	1.066	1.259	1.168	6.22
79)	TC	Fluoranthene	0.947	0.967	0.959	0.893	0.962	0.945	3.20
80)	T	Benzidine	0.492	0.514	0.572	0.418	0.584	0.516	12.98
81)		2-Picoline						0.000	-1.00
82)	I	Chrysene-d12	----------ISTD----------						
83)	M	Pyrene	1.157	1.269	1.186	1.093	1.427	1.226	10.51
84)	S	Terphenyl-d14	0.978	0.827	1.049	0.907	0.909	0.934	8.97
85)	T	3,3'-Dimethylbenzid	0.578	0.574	0.653	0.487	0.785	0.615	18.12
86)	T	Butyl benzyl phthal	0.565	0.566	0.540	0.496	0.653	0.562	10.18
87)	T	3,3'-Dichlorobenzid	0.360	0.363	0.316	0.288	0.312	0.328	10.02
88)	T	Benzo[a]anthracene	0.965	1.043	0.961	0.847	1.057	0.975	8.57
89)	T	Chrysene	0.945	0.978	0.960	0.820	1.003	0.941	7.57
90)	T	Bis(2-ethylhexyl) p	0.732	0.802	0.735	0.689	0.905	0.773	10.91
91)		3-Picoline						0.000	-1.00
92)	I	Perylene-d12	----------ISTD----------						
93)	TC	Di-n-octyl phthalat	1.245	1.385	1.356	1.363	1.624	1.395	9.99
94)	T	Benzo[b]fluoranthen	0.801	1.041	1.117	0.950	1.216	1.025	15.47
95)	T	Benzo[k]fluoranthen	1.087	1.136	0.961	0.889	1.035	1.022	9.64
96)	TC	Benzo[a]pyrene	0.873	0.942	0.936	0.814	1.058	0.924	9.83
97)	T	Indeno[1,2,3-cd]pyr	0.803	0.931	1.007	0.951	1.326	1.004	19.46
98)	T	Dibenz[a,h]anthrace	0.718	0.760	0.820	0.812	1.109	0.844	18.22
99)	T	Benzo[g,h,i]perylen	0.750	0.801	0.835	0.809	1.105	0.860	16.31

(#) = Out of Range

BW0908.M Wed Apr 30 09:47:03 2008 MSD_B

Instrument ID:	MSD_B
Method ID:	BW0908.M
Date:	04/30/2008

Average %RSD = 10.14

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7318.D Vial: 97
Acq On : 9 May 2008 9:18 Operator: JC
Sample : ABN006.08,20ng_BNA_FOR_05/09/08 Inst : MSD_B
Misc : ,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Multiple Level Calibration

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	126	-0.01
2	T	N-Nitrosodimethylamine	0.670	0.641	4.3	129	0.00
3	T	Pyridine	0.918	0.766	16.6	107	0.00
4	S	2-Fluorophenol	1.168	1.050	10.1	115	-0.01
5	T	Benzaldehyde	0.936	0.999	-6.7	103	-0.01
6	S	Phenol-d5	1.624	1.497	7.8	125	0.00
7	MC	Phenol	1.770	1.580	10.7	111	0.00
8	T	Aniline	1.068	0.881	17.5	111	-0.01
9	T	Bis(2-chloroethyl) ether	1.229	1.093	11.1	108	-0.01
10	M	2-Chlorophenol	1.328	1.326	0.2	122	-0.01
11	T	1,3-Dichlorobenzene	1.521	1.514	0.5	121	-0.01
12	MC	1,4-Dichlorobenzene	1.560	1.555	0.3	124	-0.01
13	T	Benzyl alcohol	0.984	0.861	12.5	119	-0.01
14	T	1,2-Dichlorobenzene	1.522	1.417	6.9	121	-0.02
15	T	2-Methylphenol	1.465	1.256	14.3	118	-0.01
16	T	Bis(2-chloroisopropyl) ethe	2.242	2.033	9.3	109	-0.01
17	T	4-Methylphenol	1.427	1.317	7.7	125	-0.01
18	MP	N-Nitrosodi-n-propylamine	1.255	1.172	6.6	117	-0.01
19	T	Acetophenone	1.941	2.015	-3.8	115	-0.01
20	T	2-Aminotoluene +4-Aminotolu	2.312	2.119	8.3	111	-0.01
21	T	Hexachloroethane	0.596	0.584	2.0	127	-0.01
22	T	2,6-Dimethylphenol	0.000	0.000	0.0	0	-0.01
23	I	Naphthalene-d8	1.000	1.000	0.0	108	-0.01
24	S	Nitrobenzene-d5	0.446	0.534	-19.7	111	-0.01
25	T	Nitrobenzene	0.456	0.455	0.2	109	-0.01
26	T	Isophorone	0.713	0.687	3.6	109	-0.01
27	TC	2-Nitrophenol	0.190	0.210	-10.5	131	-0.01
28	T	2,4+2,5-Dimethylphenol	0.372	0.395	-6.2	117	-0.01
29	T	Bis(2-chloroethoxy) methane	0.405	0.404	0.2	111	-0.01
30	T	Benzoic acid	0.139	0.165	-18.7	145	-0.01
31	T	2,4-Dimethylaniline	0.361	0.353	2.2	115	-0.01
32	TC	2,4-Dichlorophenol	0.282	0.298	-5.7	116	-0.01
33	M	1,2,4-Trichlorobenzene	0.304	0.335	-10.2	124	-0.01
34	T	Naphthalene	1.028	1.161	-12.9	126	-0.01
35	T	4-Chloroaniline	0.559	0.548	2.0	113	0.00
36	T	4-Aminoaniline	0.000	0.000	0.0	0	0.00
37	TC	Hexachlorobutadiene	0.184	0.197	-7.1	120	0.00
38	T	Caprolactam	0.154	0.161	-4.5	102	0.00
39	T	2-Aminoaniline	0.000	0.000	0.0	0	0.00
40	MC	4-Chloro-3-methylphenol	0.309	0.314	-1.6	112	0.00
41	T	2-Methylnaphthalene	0.723	0.718	0.7	121	0.00
42	T	3,5-Dimethylphenol	0.000	0.000	0.0	0	-0.01
43	I	Acenaphthene-d10	1.000	1.000	0.0	111	0.01
44	TP	Hexachlorocyclopentadiene	0.287	0.296	-3.1	124	0.00
45	TC	2,4,6-Trichlorophenol	0.333	0.343	-3.0	121	0.00

46	T	2,4,5-Trichlorophenol	0.428	0.380	11.2	113	0.00
47	S	2-Fluorobiphenyl	1.370	1.549	-13.1	103	0.00
48	T	Biphenyl	1.406	1.533	-9.0	112	0.00
49	T	2-Chloronaphthalene	1.102	1.063	3.5	118	0.00
50	T	2-Nitroaniline	0.472	0.390	17.4	110	0.00
51	T	Dimethyl phthalate	1.257	1.266	-0.7	115	0.00
52	T	2,6-Dinitrotoluene	0.276	0.264	4.3	111	0.00
53	T	Acenaphthylene	1.751	1.762	-0.6	109	0.00
54	T	3-Nitroaniline	0.352	0.285	19.0	106	0.01
55	MC	Acenaphthene	1.154	1.143	1.0	113	0.01
56	TP	2,4-Dinitrophenol	0.298	0.252	15.4	95	0.01
57	MP	4-Nitrophenol	0.286	0.274	4.2	109	0.02
58	M	2,4-Dinitrotoluene	0.338	0.335	0.9	110	0.02
59	T	Dibenzofuran	0.053	0.049	7.5	116	0.02
60	T	Diethyl phthalate	1.288	1.237	4.0	115	0.02
61	T	Fluorene	1.281	1.259	1.7	108	0.02
62	T	4-Chlorophenyl phenyl ether	0.604	0.615	-1.8	117	0.02
63	T	4-Nitroaniline	0.376	0.305	18.9	101	0.02
64		1,2,4,5-Tetrachlorobenzene	0.495	0.496	-0.2	124	0.00
65	T	Hydroquinone	0.000	0.000	0.0	0	0.00
66	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.04
67	T	4,6-Dinitro-2-methylphenol	0.105	0.099	5.7	108	0.02
68	TC	N-Nitrosodiphenylamine	0.510	0.490	3.9	110	0.02
69	T	1,2-Diphenylhydrazine	0.918	0.829	9.7	105	0.03
70	S	2,4,6-Tribromophenol	0.173	0.161	6.9	117	0.02
71	T	4-Bromophenyl phenyl ether	0.215	0.223	-3.7	116	0.03
72	T	Hexachlorobenzene	0.258	0.250	3.1	110	0.03
73	T	Atrazine	0.163	0.188	-15.3	104	0.03
74	MC	Pentachlorophenol	0.125	0.125	0.0	116	0.04
75	T	Phenanthrene	0.984	0.956	2.8	107	0.04
76	T	Anthracene	0.996	0.974	2.2	105	0.04
77	T	Carbazole	0.890	0.784	11.9	100	0.05
78	T	Di-n-butyl phthalate	1.168	1.104	5.5	104	0.06
79	TC	Fluoranthene	0.945	0.887	6.1	100	0.07
80	T	Benzidine	0.516	0.424	17.8	79	-0.01
81		2-Picoline	0.000	0.000	0.0	0	-0.01
82	I	Chrysene-d12	1.000	1.000	0.0	90	0.08
83	M	Pyrene	1.226	1.280	-4.4	97	0.08
84	S	Terphenyl-d14	0.934	1.086	-16.3	93	0.09
85	T	3,3'-Dimethylbenzidine	0.615	0.615	0.0	82	-0.02
86	T	Butyl benzyl phthalate	0.562	0.569	-1.2	95	0.11
87	T	3,3'-Dichlorobenzidine	0.328	0.353	-7.6	100	0.09
88	T	Benzo[a]anthracene	0.975	0.974	0.1	91	0.08
89	T	Chrysene	0.941	0.945	-0.4	88	0.08
90	T	Bis(2-ethylhexyl) phthalate	0.773	0.795	-2.8	97	0.09
91		3-Picoline	0.000	0.000	0.0	0	-0.01
92	I	Perylene-d12	1.000	1.000	0.0	89	0.06
93	TC	Di-n-octyl phthalate	1.395	1.475	-5.7	97	0.07
94	T	Benzo[b]fluoranthene	1.025	1.139	-11.1	91	0.06
95	T	Benzo[k]fluoranthene	1.022	0.927	9.3	86	0.06
96	TC	Benzo[a]pyrene	0.924	1.015	-9.8	97	0.06
97	T	Indeno[1,2,3-cd]pyrene	1.004	1.036	-3.2	92	0.05
98	T	Dibenz[a,h]anthracene	0.844	0.895	-6.0	98	0.04
99	T	Benzo[g,h,i]perylene	0.860	0.935	-8.7	100	0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0

B7032.D BW0908.M Fri May 09 16:54:05 2008 MSD_B

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 05/09/2008

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
20ng_OLMO4_FOR_		B7319.D	N/A	N/A	N/A	N/A	N/A	N/A
04870-001	AQUEOUS	B7331.D	N/A	N/A	63	53	N/A	55
04966-001	AQUEOUS	B7332.D	N/A	N/A	85	52	N/A	68
Method_blank	AQUEOUS	B7333.D	61	63	60	63	68	72
MS(BLK)	AQUEOUS	B7334.D	50	51	53	57	64	69
MSD(BLK)	AQUEOUS	B7335.D	45	46	50	53	61	66
05014-001	AQUEOUS	B7336.D	N/A	N/A	42	49	N/A	85
05014-002	AQUEOUS	B7337.D	N/A	N/A	49	54	N/A	109
05014-003	AQUEOUS	B7338.D	N/A	N/A	50	50	N/A	108
05024-001	AQUEOUS	B7339.D	N/A	N/A	40	43	N/A	92
05035-001	AQUEOUS	B7340.D	N/A	N/A	43	52	N/A	100
05035-002	AQUEOUS	B7341.D	N/A	N/A	51	56	N/A	113
05054-001	AQUEOUS	B7342.D	N/A	N/A	36	42	N/A	81
05065-002	AQUEOUS	B7343.D	N/A	N/A	52	55	N/A	117
05065-003	AQUEOUS	B7344.D	N/A	N/A	44	51	N/A	91
05029-001	AQUEOUS	B7345.D	32	20	59	69	97	109
05012-001	AQUEOUS	B7346.D	N/A	N/A	56	62	N/A	97
05012-002	AQUEOUS	B7347.D	N/A	N/A	50	51	N/A	109
05012-003	AQUEOUS	B7348.D	N/A	N/A	43	57	N/A	108
05038-002	AQUEOUS	B7349.D	27	16	N/A	N/A	99	N/A
05064-002	AQUEOUS	B7350.D	N/A	N/A	58	58	N/A	61
05064-003	AQUEOUS	B7351.D	N/A	N/A	53	65	N/A	100

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	11-101	28-108
S2 (PHL) = Phenol-d5	10-101	34-107
S3 (NBZ) = Nitrobenzene-d5	29-101	26-104
S4 (FBP) = 2-Fluorobiphenyl	34-98	32-128
S5 (TBP) = 2,4,6-Tribromophenol	28-113	35-126
S6 (TPH) = Terphenyl-d14	39-121	32-135

* Column to be used to flag recovery values

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 05/09/2008

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
05064-004	AQUEOUS	B7352.D	N/A	N/A	43	51	N/A	92
05064-005	AQUEOUS	B7353.D	N/A	N/A	49	51	N/A	105
05064-006	AQUEOUS	B7354.D	N/A	N/A	59	57	N/A	120
05064-007	AQUEOUS	B7355.D	N/A	N/A	57	61	N/A	119

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	11-101	28-108
S2 (PHL) = Phenol-d5	52-106	34-107
S3 (NBZ) = Nitrobenzene-d5	57-107	26-104
S4 (FBP) = 2-Fluorobiphenyl	57-126	32-128
S5 (TBP) = 2,4,6-Tribromophenol	30-147	35-126
S6 (TPH) = Terphenyl-d14	68-133	32-135

* Column to be used to flag recovery values

AQUEOUS SEMIVOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: Method bl Batch No.: B050708W

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	30.0	0.0	20.9	70	34 - 94
2-Chlorophenol	30.0	0.0	23.7	79	30 - 94
1,4-Dichlorobenzene	30.0	0.0	23.7	79	34 - 99
N-Nitrosodi-n-propylamine	30.0	0.0	21.7	72	37 - 103
1,2,4-Trichlorobenzene	30.0	0.0	24.0	80	32 - 98
4-Chloro-3-methylphenol	30.0	0.0	24.3	81	36 - 109
Acenaphthene	30.0	0.0	27.2	91	33 - 108
4-Nitrophenol	30.0	0.0	26.8	89	31 - 116
2,4-Dinitrotoluene	30.0	0.0	30.1	100	36 - 114
Pentachlorophenol	30.0	0.0	30.7	102	31 - 111
Pyrene	30.0	0.0	30.7	102	39 - 141

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	19.7	66	6	15	34 - 94
2-Chlorophenol	0.0	21.6	72	9	17	30 - 94
1,4-Dichlorobenzene	0.0	21.1	70	12	17	34 - 99
N-Nitrosodi-n-propylamine	0.0	21.2	71	1	19	37 - 103
1,2,4-Trichlorobenzene	0.0	22.9	76	5	21	32 - 98
4-Chloro-3-methylphenol	0.0	24.2	81	0	22	36 - 109
Acenaphthene	0.0	25.4	85	7	24	33 - 108
4-Nitrophenol	0.0	24.1	80	11	24	31 - 116
2,4-Dinitrotoluene	0.0	29.8	99	1	26	36 - 114
Pentachlorophenol	0.0	27.5	92	10	25	31 - 111
Pyrene	0.0	28.9	96	6	26	39 - 141

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __11__ outside limits

Spike Recovery: __0___ out of __22__ outside limits

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: B7333.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
N-Nitrosodimethylamine	30.0	0.0	22.4	75	0.0	19.9	66
Benzaldehyde	30.0	0.0	5.7	19	0.0	4.9	16
Phenol	30.0	0.0	20.9	70	0.0	19.7	66
Aniline	30.0	0.0	19.0	63	0.0	17.6	59
Bis(2-chloroethyl) ether	30.0	0.0	21.7	72	0.0	21.0	70
2-Chlorophenol	30.0	0.0	23.7	79	0.0	21.6	72
1,3-Dichlorobenzene	30.0	0.0	23.2	77	0.0	21.0	70
1,4-Dichlorobenzene	30.0	0.0	23.7	79	0.0	21.1	70
Benzyl alcohol	30.0	0.0	22.9	76	0.0	21.3	71
1,2-Dichlorobenzene	30.0	0.0	22.2	74	0.0	21.1	70
2-Methylphenol	30.0	0.0	21.8	73	0.0	19.9	66
Bis(2-chloroisopropyl) ether	30.0	0.0	22.2	74	0.0	20.2	67
4-Methylphenol	30.0	0.0	22.6	75	0.0	21.3	71
N-Nitrosodi-n-propylamine	30.0	0.0	21.7	72	0.0	21.2	71
Acetophenone	30.0	0.0	25.5	85	0.0	22.9	76
2-Aminotoluene +4-Aminotoluene	60.0	0.0	47.5	79	0.0	43.4	72
Hexachloroethane	30.0	0.0	22.9	76	0.0	20.9	70
Nitrobenzene	30.0	0.0	23.0	77	0.0	21.1	70
Isophorone	30.0	0.0	26.3	88	0.0	25.3	84
2-Nitrophenol	30.0	0.0	22.5	75	0.0	22.5	75
2,4+2,5-Dimethylphenol	30.0	0.0	24.3	81	0.0	22.0	73
Bis(2-chloroethoxy) methane	30.0	0.0	25.2	84	0.0	22.9	76
Benzoic acid	30.0	0.0	32.4	108	0.0	31.9	106
2,4-Dimethylaniline	30.0	0.0	25.0	83	0.0	25.3	84
2,4-Dichlorophenol	30.0	0.0	24.0	80	0.0	23.0	77
1,2,4-Trichlorobenzene	30.0	0.0	24.0	80	0.0	22.9	76
Naphthalene	30.0	0.0	24.6	82	0.0	23.9	80
4-Chloroaniline	30.0	0.0	24.4	81	0.0	23.9	80
Hexachlorobutadiene	30.0	0.0	25.5	85	0.0	24.2	81
Caprolactam	30.0	0.0	27.0	90	0.0	26.8	89
4-Chloro-3-methylphenol	30.0	0.0	24.3	81	0.0	24.2	81
2-Methylnaphthalene	30.0	0.0	24.5	82	0.0	23.2	77
Hexachlorocyclopentadiene	30.0	0.0	24.2	81	0.0	23.9	80
2,4,6-Trichlorophenol	30.0	0.0	26.5	88	0.0	24.8	83
2,4,5-Trichlorophenol	30.0	0.0	24.3	81	0.0	22.2	74
Biphenyl	30.0	0.0	28.1	94	0.0	26.7	89
2-Chloronaphthalene	30.0	0.0	25.4	85	0.0	24.3	81
2-Nitroaniline	30.0	0.0	21.6	72	0.0	22.3	74
Dimethyl phthalate	30.0	0.0	28.1	94	0.0	25.7	86

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method_blank
Client ID: .
Date Received: NA
Date Extracted: 05/07/2008
Date Analyzed: 05/09/2008
Data file: 87333.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
2,6-Dinitrotoluene	30.0	0.0	27.3	91	0.0	26.3	88
Acenaphthylene	30.0	0.0	26.9	90	0.0	25.8	86
3-Nitroaniline	30.0	0.0	25.0	83	0.0	22.8	76
Acenaphthene	30.0	0.0	27.2	91	0.0	25.4	85
2,4-Dinitrophenol	30.0	0.0	23.7	79	0.0	23.3	78
4-Nitrophenol	30.0	0.0	26.8	89	0.0	24.1	80
2,4-Dinitrotoluene	30.0	0.0	30.1	100	0.0	29.8	99
Dibenzofuran	30.0	0.0	25.3	84	0.0	21.5	72
Diethyl phthalate	30.0	0.0	28.3	94	0.0	28.0	93
Fluorene	30.0	0.0	27.8	93	0.0	26.4	88
4-Chlorophenyl phenyl ether	30.0	0.0	27.1	90	0.0	26.4	88
4-Nitroaniline	30.0	0.0	25.1	84	0.0	23.2	77
4,6-Dinitro-2-methylphenol	30.0	0.0	25.9	86	0.0	24.9	83
N-Nitrosodiphenylamine	30.0	0.0	27.3	91	0.0	26.3	88
1,2-Diphenylhydrazine	30.0	0.0	26.0	87	0.0	23.2	77
4-Bromophenyl phenyl ether	30.0	0.0	28.9	96	0.0	27.9	93
Hexachlorobenzene	30.0	0.0	30.2	101	0.0	28.2	94
Atrazine	30.0	0.0	24.8	83	0.0	23.6	79
Pentachlorophenol	30.0	0.0	30.7	102	0.0	27.5	92
Phenanthrene	30.0	0.0	28.5	95	0.0	27.6	92
Anthracene	30.0	0.0	29.1	97	0.0	28.0	93
Carbazole	30.0	0.0	28.7	96	0.0	27.9	93
Di-n-butyl phthalate	30.0	0.0	30.0	100	0.0	28.3	94
Fluoranthene	30.0	0.0	31.3	104	0.0	29.6	99
Benzidine	30.0	0.0	5.6	19	0.0	5.7	19
Pyrene	30.0	0.0	30.7	102	0.0	28.9	96
3,3'-Dimethylbenzidine	30.0	0.0	9.2	31	0.0	8.8	29
Butyl benzyl phthalate	30.0	0.0	31.4	105	0.0	28.9	96
3,3'-Dichlorobenzidine	30.0	0.0	33.2	111	0.0	30.9	103
Benzo[a]anthracene	30.0	0.0	31.7	106	0.0	29.1	97
Chrysene	30.0	0.0	31.7	106	0.0	30.0	100
Bis(2-ethylhexyl) phthalate	30.0	0.0	30.2	101	0.0	28.1	94
Di-n-octyl phthalate	30.0	0.0	32.0	107	0.0	29.8	99
Benzo[b]fluoranthene	30.0	0.0	33.1	110	0.0	28.8	96
Benzo[k]fluoranthene	30.0	0.0	31.2	104	0.0	33.2	111
Benzo[a]pyrene	30.0	0.0	31.0	103	0.0	30.5	102
Indeno[1,2,3-cd]pyrene	30.0	0.0	31.7	106	0.0	31.0	103
Dibenz[a,h]anthracene	30.0	0.0	32.4	108	0.0	31.5	105
Benzo[g,h,i]perylene	30.0	0.0	32.0	107	0.0	29.9	100

Lab File ID (Standard): B7026.D

Date Analyzed: 04/30/2008

Instrument ID: MSDB

Time Analyzed: 06:44

	40UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	50628		2.32		191716		2.85		117007		3.65	
	UPPER LIMIT	101256		2.82		383432		3.35		234014		4.15	
	LOWER LIMIT	25314		1.82		95858		2.35		58504		3.15	
	LAB SAMPLE ID												
01	5ng_BNA_FOR_04/30	31970		2.31		130035		2.85		71147		3.64	
02	10ng_BNA_FOR_04/3	41892		2.31		166992		2.85		95543		3.64	
03	80ng_BNA_FOR_04/3	39629		2.32		147641		2.85		82282		3.64	
04	50ng_OLMO4_FOR_0	36264		2.31		158072		2.85		92470		3.63	
05	20ng_BNA_FOR_04/3	34159		2.31		149256		2.85		85593		3.64	
06	80ng_OLMO4_FOR_0	37172		2.32		161577		2.85		87992		3.64	
07	20ng_OLMO4_FOR_0	36466		2.31		161554		2.85		90064		3.65	
08	10ng_OLMO4_FOR_0	41462		2.31		180169		2.85		99710		3.65	
09	5ng_OLMO4_FOR_04	31562		2.32		133856		2.85		75798		3.63	
10	Method_blank	48391		2.31		195330		2.85		113344		3.65	
11	MS(BLK)	33984		2.31		148653		2.85		83678		3.64	
12	MSD(BLK)	37782		2.31		161305		2.85		88931		3.64	
13	04541-001	39452		2.31		169642		2.85		94911		3.65	
14	04541-002	33110		2.31		149628		2.85		83492		3.64	
15	04541-003	31459		2.31		135625		2.85		78318		3.65	
16	04546-001	50187		2.31		226069		2.85		128675		3.65	
17	04547-001	37510		2.32		164789		2.85		94144		3.65	
18	04537-001	41705		2.31		185406		2.85		104036		3.64	
19	04537-002	39717		2.32		163045		2.85		91110		3.63	
20	04537-003	48342		2.32		208780		2.85		113896		3.63	
21	04537-004	37195		2.31		163877		2.85		91590		3.63	
22	04559-001	37977		2.31		163488		2.85		94719		3.64	

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B7026.D

Date Analyzed: 04/30/2008

Instrument ID: MSDB

Time Analyzed: 06:44

	40UG/L	IS4 AREA #	IS4 RT #	IS5 AREA #	IS5 RT #	IS6 AREA #	IS6 RT #
	12 HOUR STD	199027	4.38	161175	6.08	123977	7.27
	UPPER LIMIT	398054	4.88	322350	6.58	247954	7.77
	LOWER LIMIT	99514	3.88	80588	5.58	61989	6.77
	LAB SAMPLE ID						
01	5ng_BNA_FOR_04/30	129692	4.36	116628	6.05	103345	7.24
02	10ng_BNA_FOR_04/3	174999	4.37	146136	6.07	119293	7.25
03	80ng_BNA_FOR_04/3	140458	4.38	100341	6.06	82844	7.25
04	50ng_OLMO4_FOR_0	183768	4.35	153120	6.02	129681	7.21
05	20ng_BNA_FOR_04/3	151977	4.36	129489	6.04	104956	7.23
06	80ng_OLMO4_FOR_0	171886	4.37	142482	6.07	118173	7.23
07	20ng_OLMO4_FOR_0	165587	4.39	147966	6.10	122865	7.28
08	10ng_OLMO4_FOR_0	191834	4.39	152990	6.08	122311	7.27
09	5ng_OLMO4_FOR_04	141108	4.35	120719	6.03	103693	7.22
10	Method_blank	220912	4.40	184976	6.10	157267	7.27
11	MS(BLK)	158508	4.38	127309	6.06	101475	7.25
12	MSD(BLK)	173317	4.36	138854	6.05	114691	7.24
13	04541-001	180310	4.39	168258	6.09	143072	7.28
14	04541-002	155005	4.37	141564	6.05	120068	7.24
15	04541-003	142782	4.39	131005	6.09	113373	7.28
16	04546-001	243973	4.39	193588	6.09	154848	7.28
17	04547-001	173579	4.39	143619	6.08	129715	7.27
18	04537-001	203691	4.37	178703	6.06	148481	7.25
19	04537-002	191871	4.36	171751	6.03	150268	7.23
20	04537-003	228792	4.35	182324	6.03	149609	7.22
21	04537-004	187520	4.36	154132	6.03	129419	7.22
22	04559-001	177716	4.36	147227	6.03	128496	7.23

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = 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 values outside QC limits with an asterisk

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B7026.D

Date Analyzed: 04/30/2008

Instrument ID: MSDB

Time Analyzed: 06:44

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	50628	2.32	191716	2.85	117007	3.65
	UPPER LIMIT	101256	2.82	383432	3.35	234014	4.15
	LOWER LIMIT	25314	1.82	95858	2.35	58504	3.15
	LAB SAMPLE ID						
01	04567-001	46570	2.31	199156	2.85	107617	3.64
02	04568-001	44438	2.31	199496	2.85	114544	3.64
03	04569-001	47458	2.31	211522	2.85	119021	3.64
04	04575-001	41346	2.31	179092	2.85	99025	3.64
05	04578-001	43280	2.31	197446	2.85	106350	3.64
06	04578-003	49728	2.31	217433	2.85	114280	3.64
07	04576-001	46996	2.32	218780	2.85	130884	3.64
08	04580-001	49728	2.31	211453	2.85	128050	3.63
09	04587-002	42130	2.31	182156	2.85	105599	3.63
10	04587-003	50287	2.31	209582	2.85	116503	3.63
11	04537-002	40788	2.32	176598	2.85	103058	3.63
12	04537-003	46216	2.31	198754	2.85	108638	3.63
13	04547-001	44915	2.31	210484	2.85	117979	3.63
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B7026.D

Date Analyzed: 04/30/2008

Instrument ID: MSDB

Time Analyzed: 06:44

	50UG/L	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	199027		4.38		161175		6.08		123977		7.27	
	UPPER LIMIT	398054		4.88		322350		6.58		247954		7.77	
	LOWER LIMIT	99514		3.88		80588		5.58		61989		6.77	
	LAB SAMPLE ID												
01	04567-001	202688		4.37		162570		6.05		138554		7.23	
02	04568-001	209601		4.36		178487		6.03		155932		7.23	
03	04569-001	204052		4.37		157855		6.05		131318		7.24	
04	04575-001	187143		4.37		151343		6.06		124573		7.25	
05	04578-001	197895		4.36		164443		6.05		138472		7.23	
06	04578-003	235348		4.37		185254		6.06		147874		7.24	
07	04576-001	212240		4.36		160721		6.04		135874		7.23	
08	04580-001	230109		4.35		186546		6.04		149492		7.21	
09	04587-002	195281		4.35		164386		6.03		134101		7.21	
10	04587-003	213968		4.35		169372		6.03		134811		7.22	
11	04537-002	193371		4.34		167861		6.02		134363		7.21	
12	04537-003	210111		4.35		168066		6.03		135476		7.22	
13	04547-001	211987		4.34		163476		6.00		145550		7.20	
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = 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 values outside QC limits with an asterisk

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B7318.D

Date Analyzed: 05/09/2008

Instrument ID: MSDB

Time Analyzed: 09:18

	40UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	24 HOUR STD	43196		2.30		161489		2.84		95184		3.65	
	UPPER LIMIT	86392		2.80		322978		3.34		190368		4.15	
	LOWER LIMIT	21598		1.80		80745		2.34		47592		3.15	
	LAB SAMPLE ID												
01	20ng_OLMO4_FOR_0	41396		2.30		173308		2.84		89626		3.62	
02	04870-001	29993		2.30		130803		2.84		65834		3.62	
03	04966-001	31417		2.30		133447		2.84		72813		3.62	
04	Method_blank	25965		2.30		103402		2.83		60865		3.61	
05	MS(BLK)	28729		2.30		117179		2.84		67745		3.61	
06	MSD(BLK)	30512		2.30		119638		2.84		69191		3.61	
07	05014-001	41219		2.30		175058		2.84		95201		3.61	
08	05014-002	39787		2.30		166455		2.84		96546		3.62	
09	05014-003	41002		2.30		164884		2.84		98962		3.62	
10	05024-001	44433		2.30		182322		2.84		115868		3.62	
11	05035-001	38564		2.30		174740		2.84		93836		3.62	
12	05035-002	37691		2.30		147598		2.83		88126		3.61	
13	05054-001	42455		2.30		174909		2.84		97647		3.62	
14	05065-002	39816		2.30		163987		2.84		101206		3.61	
15	05065-003	39397		2.30		154823		2.84		88809		3.61	
16	05029-001	37139		2.30		143449		2.83		86198		3.61	
17	05012-001	37042		2.30		155076		2.84		96288		3.62	
18	05012-002	39280		2.30		154889		2.84		96978		3.62	
19	05012-003	40767		2.30		159331		2.83		91080		3.62	
20	05038-002	35623		2.30		141310		2.83		84820		3.61	
21	05064-002	36104		2.30		150570		2.84		85461		3.61	
22	05064-003	33759		2.30		140209		2.84		79524		3.62	

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B7318.D

Date Analyzed: 05/09/2008

Instrument ID: MSDB

Time Analyzed: 09:18

	40UG/L	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	24 HOUR STD	165020		4.40		116185		6.12		93908		7.29	
	UPPER LIMIT	330040		4.90		232370		6.62		187816		7.79	
	LOWER LIMIT	82510		3.90		58093		5.62		46954		6.79	
	LAB SAMPLE ID												
01	20ng_OLMO4_FOR_0	161085		4.34		113124		6.02		92523		7.20	
02	04870-001	115140		4.32		97149		5.98		95740		7.17	
03	04966-001	118785		4.33		79316		5.98		79220		7.16	
04	Method_blank	117821		4.32		101300		5.98		90859		7.17	
05	MS(BLK)	120740		4.32		95556		5.98		78471		7.17	
06	MSD(BLK)	125165		4.32		98325		5.98		79905		7.18	
07	05014-001	172583		4.33		87904		6.00		67388		7.18	
08	05014-002	165518		4.34		80980		6.02		58660		7.20	
09	05014-003	178235		4.34		91209		6.02		67729		7.20	
10	05024-001	194984		4.33		110206		6.00		81800		7.19	
11	05035-001	155986		4.34		79936		6.00		61584		7.19	
12	05035-002	169522		4.33		84544		5.99		62015		7.17	
13	05054-001	176823		4.33		99657		6.00		76393		7.18	
14	05065-002	186033		4.32		97936		5.99		71643		7.17	
15	05065-003	171169		4.33		87289		5.99		65051		7.18	
16	05029-001	162466		4.33		78639		5.99		57276		7.18	
17	05012-001	160230		4.33		91278		6.00		68257		7.19	
18	05012-002	180287		4.33		97850		6.00		73279		7.18	
19	05012-003	162502		4.34		96337		6.01		73161		7.20	
20	05038-002	152606		4.32		78411		5.98		57173		7.17	
21	05064-002	154294		4.32		72756		5.98		54685		7.17	
22	05064-003	143848		4.33		70633		5.99		51740		7.18	

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = 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 values outside QC limits with an asterisk

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B7318.D

Date Analyzed: 05/09/2008

Instrument ID: MSDB

Time Analyzed: 09:18

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	24 HOUR STD	43196	2.30	161489	2.84	95184	3.65
	UPPER LIMIT	86392	2.80	322978	3.34	190368	4.15
	LOWER LIMIT	21598	1.80	80745	2.34	47592	3.15
	LAB SAMPLE ID						
01	05064-004	38174	2.30	152105	2.83	84071	3.61
02	05064-005	39369	2.3	151602	2.83	90188	3.62
03	05064-006	37354	2.3	147243	2.83	94074	3.61
04	05064-007	36894	2.3	144896	2.83	83040	3.61
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B7318.D

Date Analyzed: 05/09/2008

Instrument ID: MSDB

Time Analyzed: 09:18

	50UG/L	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	24 HOUR STD	165020		4.40		116185		6.12		93908		7.29	
	UPPER LIMIT	330040		4.90		232370		6.62		187816		7.79	
	LOWER LIMIT	82510		3.90		58093		5.62		46954		6.79	
	LAB SAMPLE ID												
01	05064-004	146331		4.33		71643		5.99		56327		7.19	
02	05064-005	161313		4.33		76232		6.00		55131		7.19	
03	05064-006	162114		4.32		77177		5.98		56739		7.17	
04	05064-007	158636		4.32		75224		5.98		54935		7.16	
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = 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 values outside QC limits with an asterisk

* Values outside of QC limits.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7350.D Vial: 28
Acq On : 9 May 2008 17:59 Operator: JC
Sample : MW-2,05064-002,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 09 18:09:41 2008 Quant Results File: BW0908.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration
DataAcq Meth : BW0908

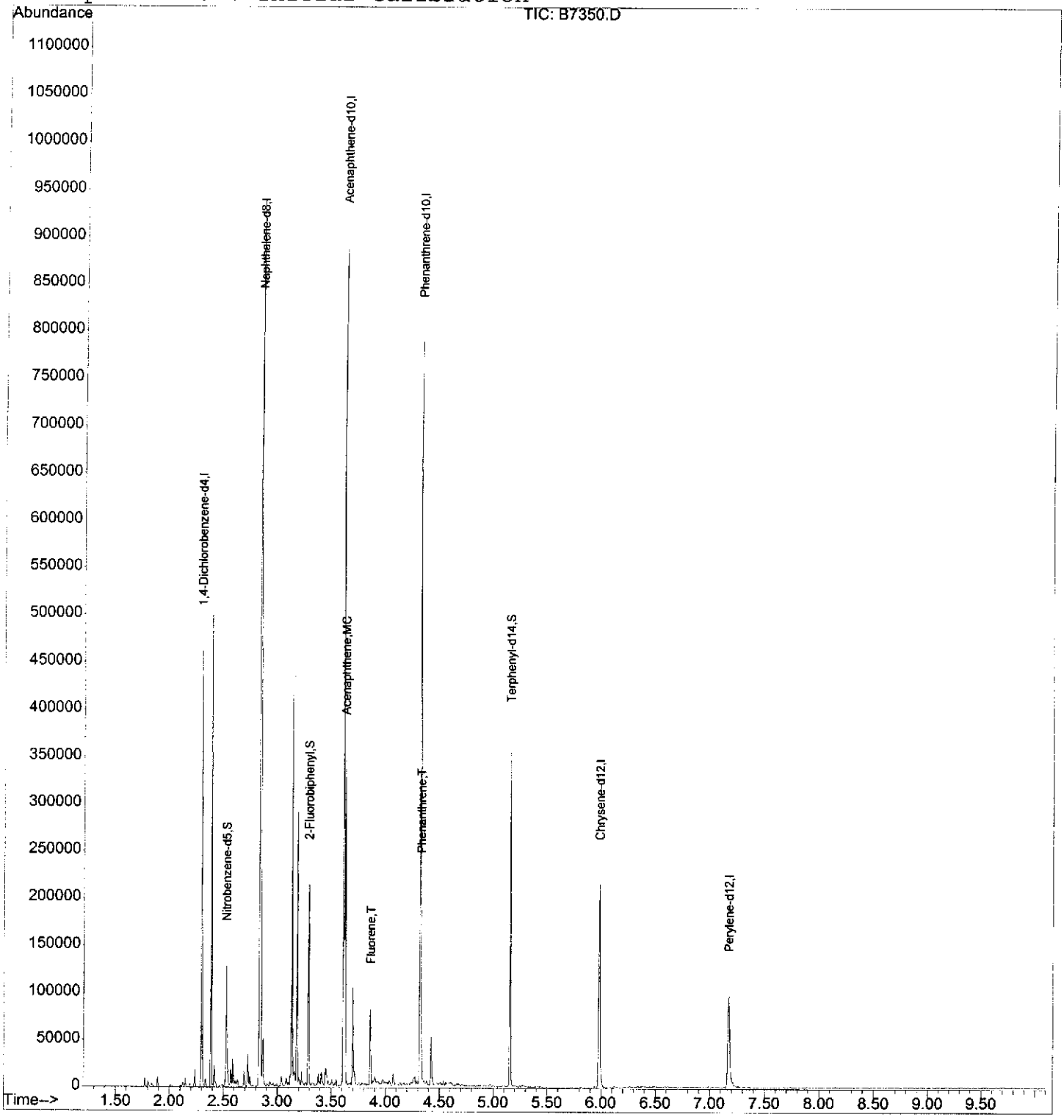
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.30	152	36104	40.00	UG	-0.02
23) Naphthalene-d8	2.84	136	150570	40.00	UG	-0.02
43) Acenaphthene-d10	3.61	164	85461	40.00	UG	-0.03
66) Phenanthrene-d10	4.32	188	154294	40.00	UG	-0.04
82) Chrysene-d12	5.98	240	72756	40.00	UG	-0.05
92) Perylene-d12	7.17	264	54685	40.00	UG	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.53	82	24148	14.39	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 28.78%#			
47) 2-Fluorobiphenyl	3.29	172	42649	14.57	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 29.14%#			
70) 2,4,6-Tribromophenol	0.00	330	0d	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.15	244	52034m	30.64	UG	-0.05
Spiked Amount 50.000	Range 39 - 121		Recovery = 61.28%			
Target Compounds						Qvalue
55) Acenaphthene	3.63	153	44990	18.24	UG	93
61) Fluorene	3.86	166	16057	5.87	UG	96
75) Phenanthrene	4.33	178	9905	2.61	UG	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7350.D Vial: 28
Acq On : 9 May 2008 17:59 Operator: JC
Sample : MW-2,05064-002,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 6:23 2008 Quant Results File: BW0908.RES

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7351.D Vial: 29
Acq On : 9 May 2008 18:14 Operator: JC
Sample : MW-3,05064-003,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 09 18:25:01 2008 Quant Results File: BW0908.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration
DataAcq Meth : BW0908

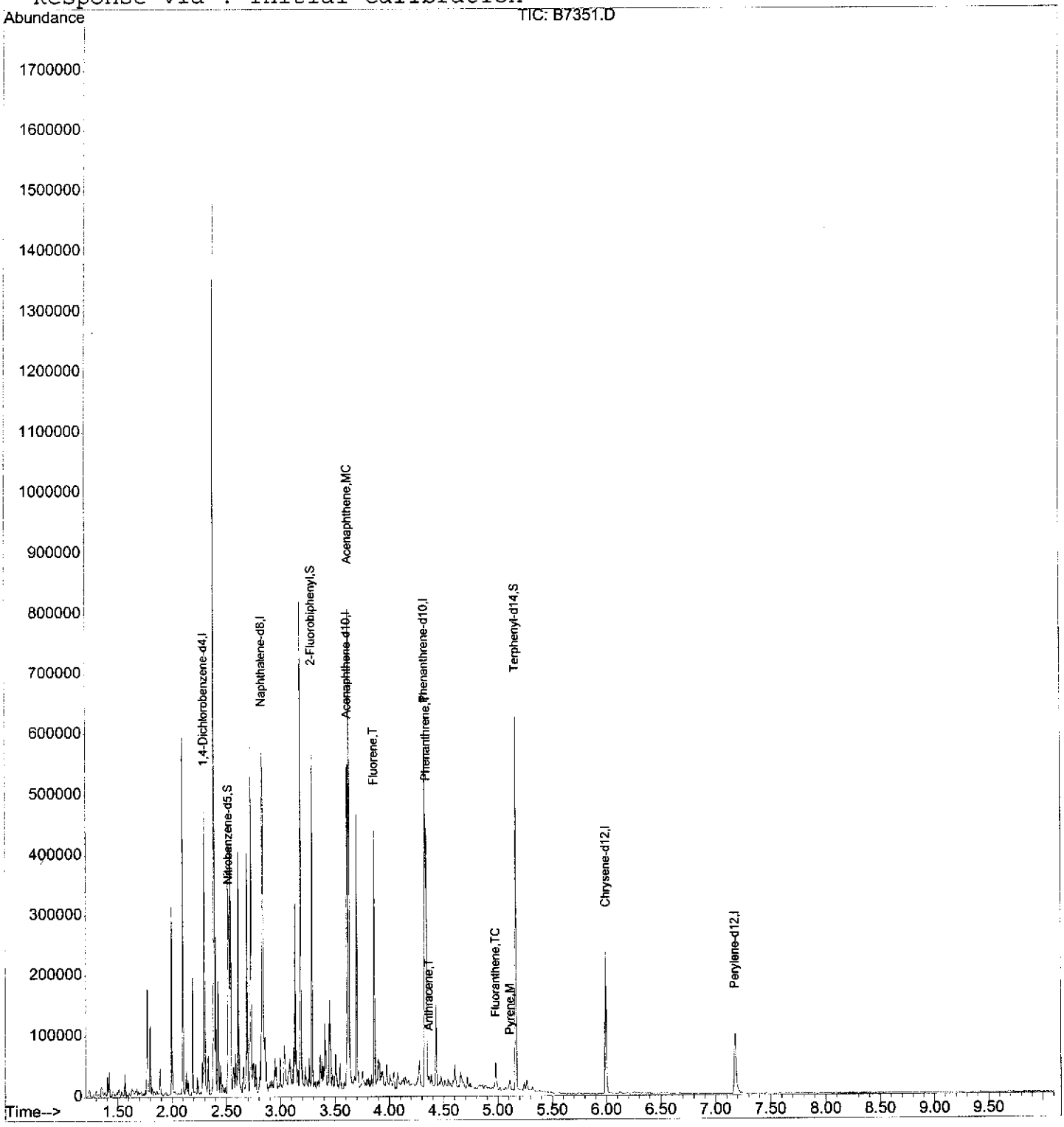
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.30	152	33759	40.00	UG		-0.02
23) Naphthalene-d8	2.84	136	140209	40.00	UG		-0.02
43) Acenaphthene-d10	3.62	164	79524	40.00	UG		-0.02
66) Phenanthrene-d10	4.33	188	143848	40.00	UG		-0.03
82) Chrysene-d12	5.99	240	70633	40.00	UG		-0.04
92) Perylene-d12	7.18	264	51740	40.00	UG		-0.05
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0d	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	2.53	82	41222	26.37	UG		-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 52.74%				
47) 2-Fluorobiphenyl	3.29	172	88068	32.33	UG		-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 64.66%				
70) 2,4,6-Tribromophenol	0.00	330	0d	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	5.17	244	82827m	50.23	UG		-0.04
Spiked Amount 50.000	Range 39 - 121		Recovery = 100.46%				
Target Compounds							Qvalue
55) Acenaphthene	3.63	153	133325	58.09	UG		93
61) Fluorene	3.86	166	59264	23.28	UG		97
75) Phenanthrene	4.34	178	96671	27.30	UG		97
76) Anthracene	4.36	178	3737m	1.04	UG		
79) Fluoranthene	4.98	202	10111	2.97	UG		96
83) Pyrene	5.11	202	4719	2.18	UG	#	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7351.D Vial: 29
Acq On : 9 May 2008 18:14 Operator: JC
Sample : MW-3,05064-003,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 11:04 2008 Quant Results File: BW0908.RES

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7352.D Vial: 30
Acq On : 9 May 2008 18:30 Operator: JC
Sample : MW-4,05064-004,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 09 18:40:15 2008 Quant Results File: BW0908.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration
DataAcq Meth : BW0908

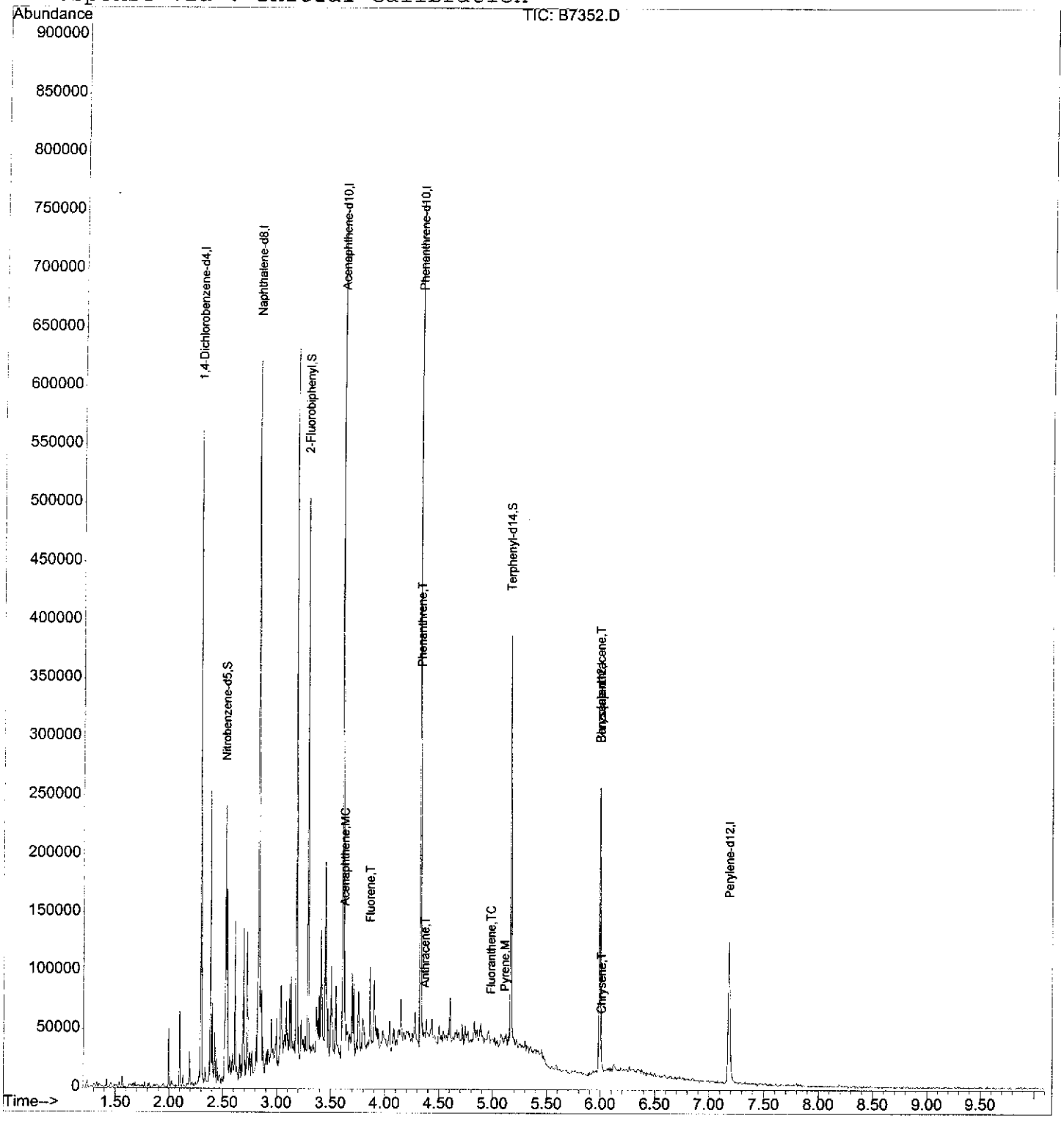
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.30	152	38174	40.00	UG		-0.02
23) Naphthalene-d8	2.83	136	152105	40.00	UG		-0.02
43) Acenaphthene-d10	3.61	164	84071	40.00	UG		-0.03
66) Phenanthrene-d10	4.33	188	146331	40.00	UG		-0.03
82) Chrysene-d12	5.99	240	71643	40.00	UG		-0.04
92) Perylene-d12	7.19	264	56327	40.00	UG		-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0d	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	2.53	82	36528	21.54	UG		-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 43.08%				
47) 2-Fluorobiphenyl	3.29	172	73125	25.39	UG		-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 50.78%				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	5.17	244	76735	45.88	UG		-0.03
Spiked Amount 50.000	Range 39 - 121		Recovery = 91.76%				
Target Compounds							Qvalue
55) Acenaphthene	3.63	153	10885	4.49	UG		86
61) Fluorene	3.86	166	7353	2.73	UG	#	96
75) Phenanthrene	4.34	178	4500	1.25	UG	#	57
76) Anthracene	4.36	178	908	0.25	UG	#	72
79) Fluoranthene	4.98	202	1510	0.44	UG	#	92
83) Pyrene	5.11	202	1117	0.51	UG	#	80
88) Benzo[a]anthracene	5.99	228	398m	0.23	UG		
89) Chrysene	6.02	228	457	0.27	UG	#	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7352.D Vial: 30
Acq On : 9 May 2008 18:30 Operator: JC
Sample : MW-4,05064-004,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 6:24 2008 Quant Results File: BW0908.RES

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7353.D Vial: 31
Acq On : 9 May 2008 18:45 Operator: JC
Sample : MW-5,05064-005,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 09 18:55:31 2008 Quant Results File: BW0908.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration
DataAcq Meth : BW0908

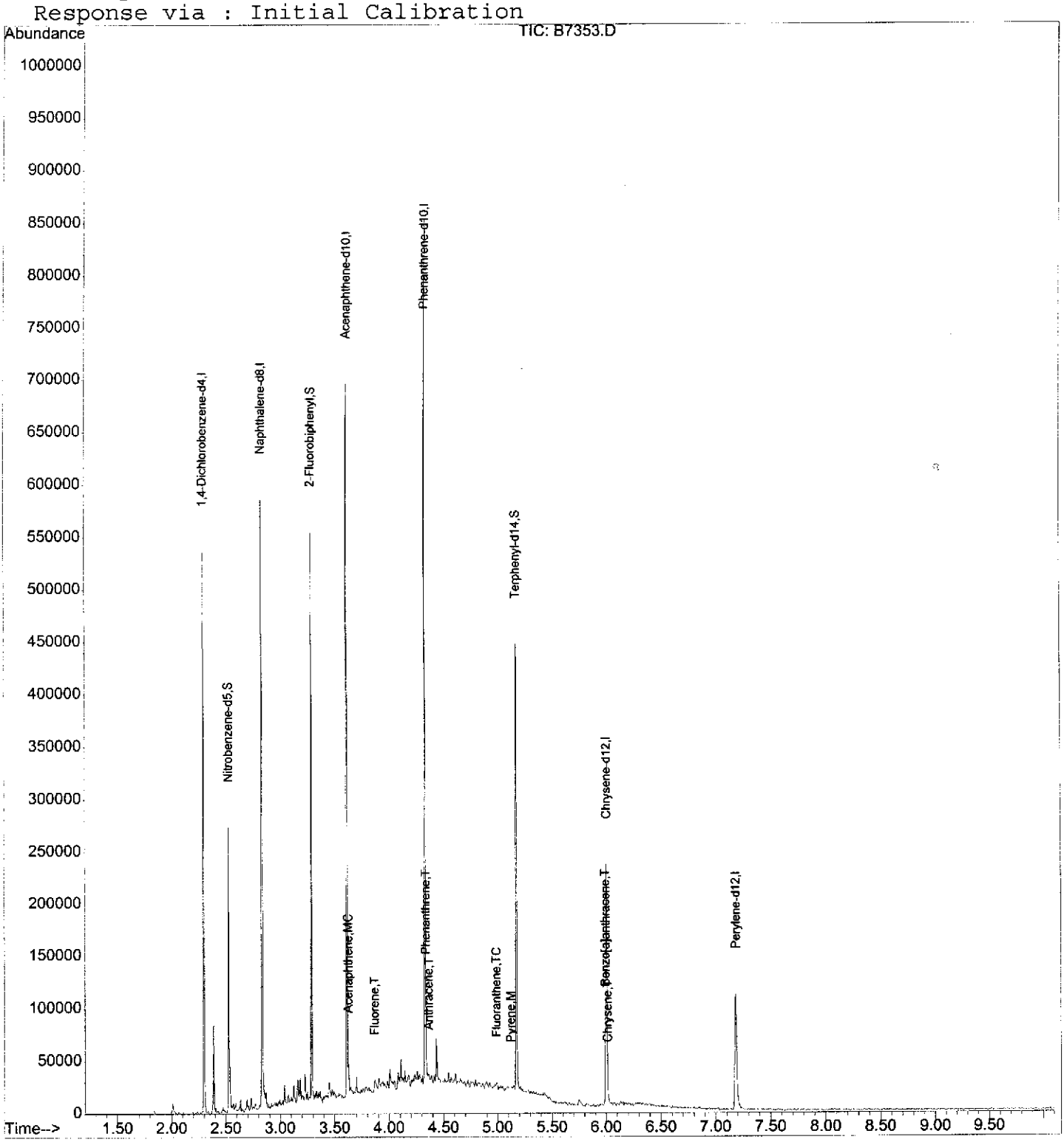
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.30	152	39369	40.00	UG		-0.02
23) Naphthalene-d8	2.83	136	151602	40.00	UG		-0.02
43) Acenaphthene-d10	3.62	164	90188	40.00	UG		-0.02
66) Phenanthrene-d10	4.33	188	161313	40.00	UG		-0.03
82) Chrysene-d12	6.00	240	76232	40.00	UG		-0.03
92) Perylene-d12	7.19	264	55131	40.00	UG		-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0	0.00	UG		
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#				
6) Phenol-d5	0.00	99	0d	0.00	UG		
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#				
24) Nitrobenzene-d5	2.53	82	41589	24.61	UG		-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 49.22%				
47) 2-Fluorobiphenyl	3.29	172	79419	25.71	UG		-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 51.42%				
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG		
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#				
84) Terphenyl-d14	5.18	244	93412	52.49	UG		-0.03
Spiked Amount 50.000	Range 39 - 121		Recovery = 104.98%				
Target Compounds							Qvalue
55) Acenaphthene	3.63	153	4258	1.64	UG		90
61) Fluorene	3.87	166	942	0.33	UG	#	81
75) Phenanthrene	4.34	178	1497	0.38	UG	#	85
76) Anthracene	4.37	178	822m	0.20	UG		
79) Fluoranthene	4.99	202	878	0.23	UG		95
83) Pyrene	5.12	202	1059	0.45	UG	#	74
88) Benzo[a]anthracene	5.99	228	506m	0.27	UG		
89) Chrysene	6.02	228	386	0.22	UG	#	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7353.D Vial: 31
Acq On : 9 May 2008 18:45 Operator: JC
Sample : MW-5,05064-005,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 6:25 2008 Quant Results File: BW0908.RES

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7354.D Vial: 32
Acq On : 9 May 2008 19:00 Operator: JC
Sample : MW-6,05064-006,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 09 19:10:39 2008 Quant Results File: BW0908.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration
DataAcq Meth : BW0908

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.30	152	37354	40.00	UG	-0.02
23) Naphthalene-d8	2.83	136	147243	40.00	UG	-0.02
43) Acenaphthene-d10	3.61	164	94074	40.00	UG	-0.03
66) Phenanthrene-d10	4.32	188	162114	40.00	UG	-0.04
82) Chrysene-d12	5.98	240	77177	40.00	UG	-0.05
92) Perylene-d12	7.17	264	56739	40.00	UG	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.53	82	48502	29.55	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 59.10%			
47) 2-Fluorobiphenyl	3.29	172	92336	28.65	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 57.30%			
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.16	244	107977m	59.93	UG	-0.05
Spiked Amount 50.000	Range 39 - 121		Recovery = 119.86%			

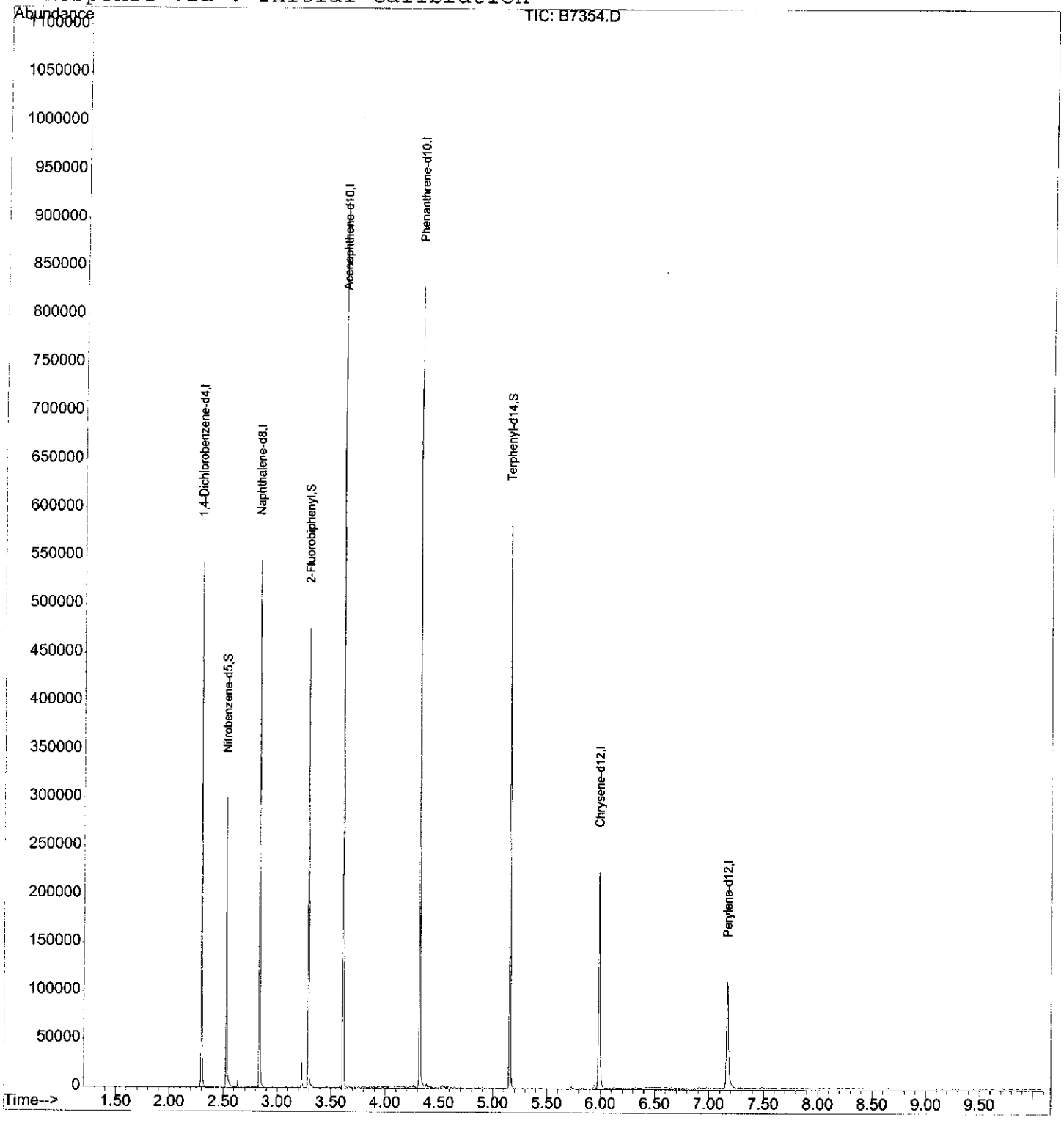
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7354.D Vial: 32
Acq On : 9 May 2008 19:00 Operator: JC
Sample : MW-6,05064-006,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 6:25 2008 Quant Results File: BW0908.RES

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7355.D Vial: 33
Acq On : 9 May 2008 19:15 Operator: JC
Sample : FIELD_BLANK,05064-007,A,1000ml,100,05/07 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 09 19:25:53 2008 Quant Results File: BW0908.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration
DataAcq Meth : BW0908

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.30	152	36894	40.00	UG	-0.02
23) Naphthalene-d8	2.83	136	144896	40.00	UG	-0.02
43) Acenaphthene-d10	3.61	164	83040	40.00	UG	-0.03
66) Phenanthrene-d10	4.32	188	158636	40.00	UG	-0.04
82) Chrysene-d12	5.98	240	75224	40.00	UG	-0.06
92) Perylene-d12	7.16	264	54935	40.00	UG	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	UG	
Spiked Amount 100.000	Range 11 - 101		Recovery = 0.00%#			
6) Phenol-d5	0.00	99	0d	0.00	UG	
Spiked Amount 100.000	Range 10 - 101		Recovery = 0.00%#			
24) Nitrobenzene-d5	2.53	82	45900	28.42	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 56.84%			
47) 2-Fluorobiphenyl	3.29	172	87066	30.61	UG	-0.03
Spiked Amount 50.000	Range 34 - 98		Recovery = 61.22%			
70) 2,4,6-Tribromophenol	0.00	330	0	0.00	UG	
Spiked Amount 100.000	Range 28 - 113		Recovery = 0.00%#			
84) Terphenyl-d14	5.15	244	104362m	59.43	UG	-0.05
Spiked Amount 50.000	Range 39 - 121		Recovery = 118.86%			

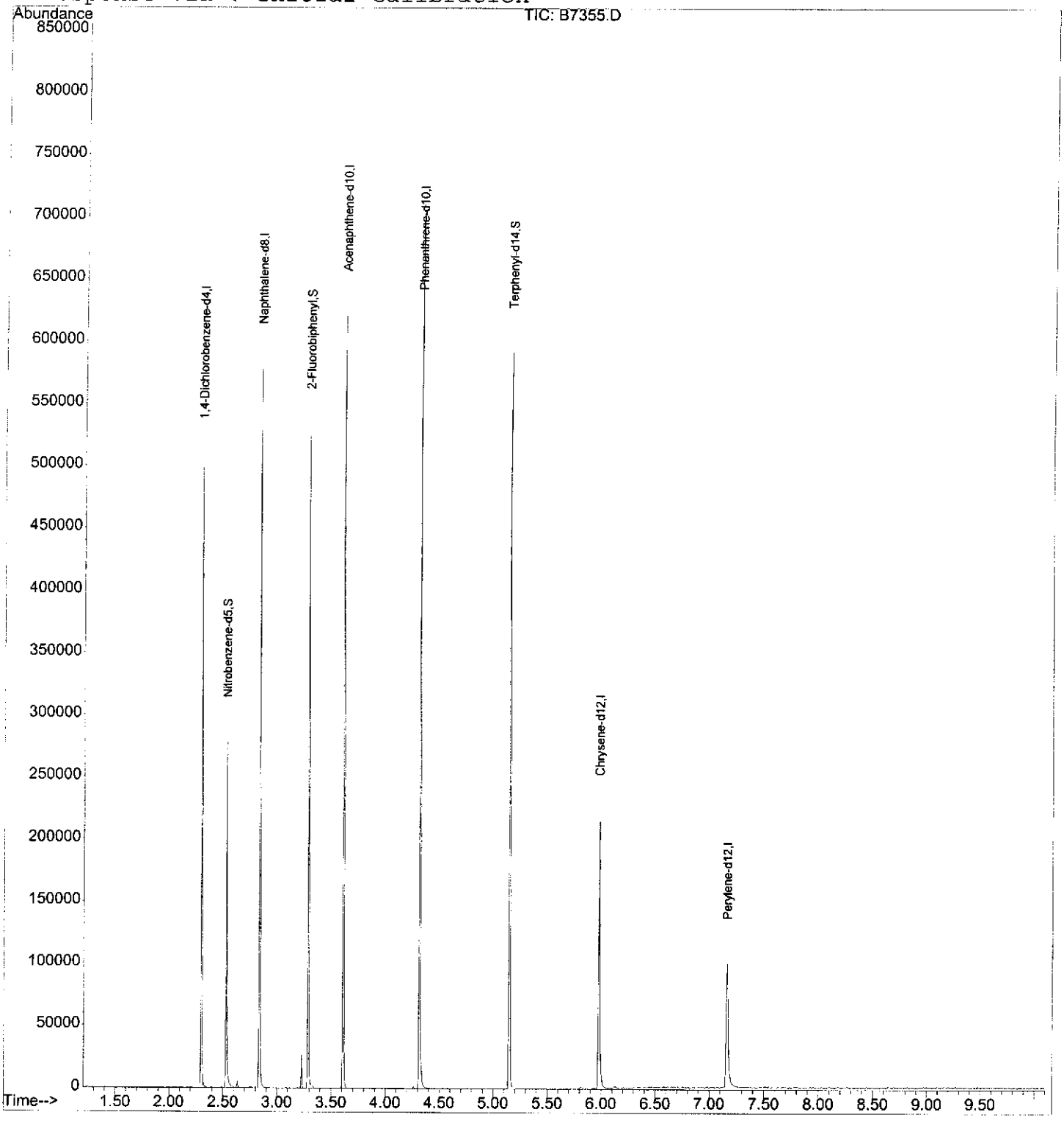
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7355.D Vial: 33
Acq On : 9 May 2008 19:15 Operator: JC
Sample : FIELD_BLANK,05064-007,A,1000ml,100,05/07 Inst : MSD_B
Misc : EWMA/ELMSFORD_PARK,05/05/08,05/06/08,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 11:06 2008 Quant Results File: BW0908.RES

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7333.D Vial: 11
Acq On : 9 May 2008 13:40 Operator: JC
Sample : .,Method_blank,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 09 13:50:14 2008 Quant Results File: BW0908.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration
DataAcq Meth : BW0908

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.30	152	25965	40.00	UG	-0.02
23) Naphthalene-d8	2.83	136	103402	40.00	UG	-0.02
43) Acenaphthene-d10	3.61	164	60865	40.00	UG	-0.03
66) Phenanthrene-d10	4.32	188	117821	40.00	UG	-0.04
82) Chrysene-d12	5.98	240	101300	40.00	UG	-0.06
92) Perylene-d12	7.17	264	90859	40.00	UG	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	1.79	112	46298	61.07	UG	-0.02
Spiked Amount 100.000	Range 11 - 101		Recovery = 61.07%			
6) Phenol-d5	2.13	99	66655	63.25	UG	-0.02
Spiked Amount 100.000	Range 10 - 101		Recovery = 63.25%			
24) Nitrobenzene-d5	2.53	82	34675	30.08	UG	-0.02
Spiked Amount 50.000	Range 29 - 101		Recovery = 60.16%			
47) 2-Fluorobiphenyl	3.29	172	65705	31.52	UG	-0.02
Spiked Amount 50.000	Range 34 - 98		Recovery = 63.04%			
70) 2,4,6-Tribromophenol	3.98	330	34576	68.04	UG	-0.04
Spiked Amount 100.000	Range 28 - 113		Recovery = 68.04%			
84) Terphenyl-d14	5.14	244	84653	35.80	UG	-0.06
Spiked Amount 50.000	Range 39 - 121		Recovery = 71.60%			

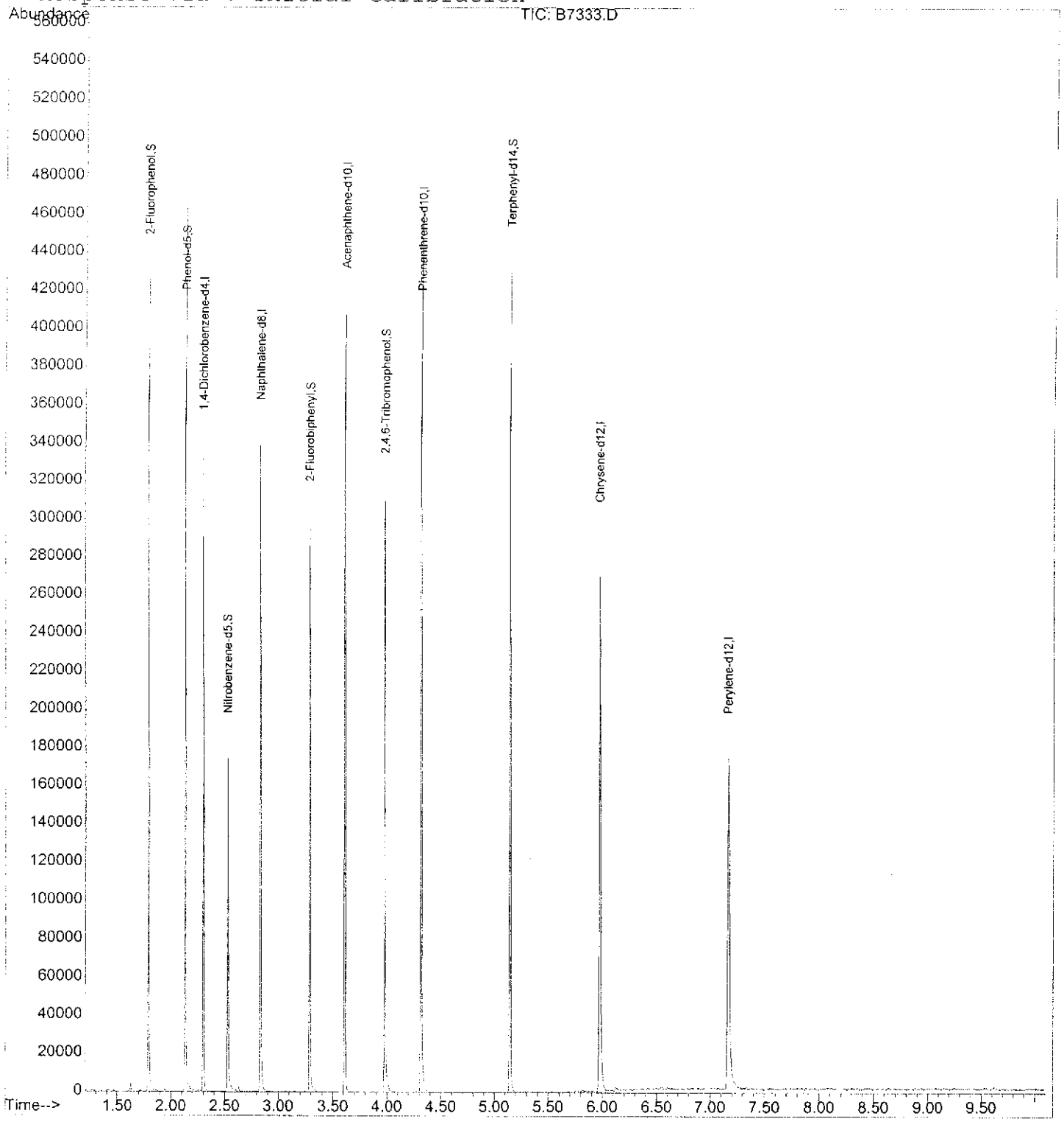
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\05-09-08\B7333.D Vial: 11
Acq On : 9 May 2008 13:40 Operator: JC
Sample : .,Method_blank,A,1000ml,100,05/07/08 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 9 14:13 2008 Quant Results File: BW0908.RES

Method : C:\MSDCHEM\1\METHODS\BW0908.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Wed Apr 30 09:46:26 2008
Response via : Initial Calibration



METALS QUALITY CONTROL

BLANK 2 RESULTS SUMMARY

Batch (Page) #: 212

Associated Lab Case for Blank 2: 04763, 05061, 05064, 05138

Matrix: Aqueous Unit: ppb (µg/L) Method: 6020

ANALYTE	SAMPLE MDL	REAGENT BLANK
Arsenic	2.00	ND
Iron	100	ND
Lead	2.00	ND
Manganese	4.00	ND

Associated Sample for Blank 2:

04763-021~025,031~035; 05061-001; 05064-001,003~004
05064-006~007; 05138-006~007

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 212

Lab Case: 04204, 04763, 05014, 05029, 05061, 05064, 05119, 05126, 05138, 05140, 05168, 05169

Matrix: Aqueous Method: 6020 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	ICB	CCB	CCB	CCB	CCB	CCB
Aluminum	10.0	ND	ND	ND	ND	ND	ND
Antimony	1.00	ND	ND	ND	ND	ND	ND
Arsenic	0.500	ND	ND	ND	ND	ND	ND
Barium	10.0	ND	ND	ND	ND	ND	ND
Beryllium	0.250	ND	ND	ND	ND	ND	ND
Cadmium	0.250	ND	ND	ND	ND	ND	ND
Calcium	50.0	ND	ND	ND	ND	ND	ND
Chromium	2.00	ND	ND	ND	ND	ND	ND
Cobalt	2.00	ND	ND	ND	ND	ND	ND
Copper	2.00	ND	ND	ND	ND	ND	ND
Iron	25.0	ND	ND	ND	ND	ND	ND
Lead	0.500	ND	ND	ND	ND	ND	ND
Magnesium	50.0	ND	ND	ND	ND	ND	ND
Manganese	1.00	ND	ND	ND	ND	ND	ND
Mercury	0.250	ND	ND	ND	ND		
Nickel	1.00	ND	ND	ND	ND	ND	ND
Potassium	50.0	ND	ND	ND	ND	ND	ND
Selenium	2.00	ND	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND	ND
Sodium	100	ND	ND	ND	ND	ND	ND
Thallium	0.100	ND	ND	ND	ND	ND	ND
Vanadium	2.00	ND	ND	ND	ND	ND	ND
Zinc	2.00	ND	ND	ND	ND	ND	ND

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 212
Lab Case: 04204, 04763, 05014, 05029, 05061, 05064, 05119, 05126, 05138, 05140, 05168, 05169

Matrix: Aqueous Method: 6020 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	CCB	CCB	CCB	CCB		
Aluminum	10.0	ND	ND	ND	ND		
Antimony	1.00	ND	ND	ND	ND		
Arsenic	0.500	ND	ND	ND	ND		
Barium	10.0	ND	ND	ND	ND		
Beryllium	0.250	ND	ND	ND	ND		
Cadmium	0.250	ND	ND	ND	ND		
Calcium	50.0	ND	ND	ND	ND		
Chromium	2.00	ND	ND	ND	ND		
Cobalt	2.00	ND	ND	ND	ND		
Copper	2.00	ND	ND	ND	ND		
Iron	25.0	ND	ND	ND	ND		
Lead	0.500	ND	ND	ND	ND		
Magnesium	50.0	ND	ND	ND	ND		
Manganese	1.00	ND	ND	ND	ND		
Mercury	0.250						
Nickel	1.00	ND	ND	ND	ND		
Potassium	50.0	ND	ND	ND	ND		
Selenium	2.00	ND	ND	ND	ND		
Silver	0.500	ND	ND	ND	ND		
Sodium	100	ND	ND	ND	ND		
Thallium	0.100	ND	ND	ND	ND		
Vanadium	2.00	ND	ND	ND	ND		
Zinc	2.00	ND	ND	ND	ND		

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 212
Lab Case: 04204, 04763, 05014, 05029, 05061, 05064, 05119, 05126, 05138, 05140, 05168, 05169

Matrix: Aqueous Method: 6020 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	ICV		CCV		CCV		CCV	
			FOUND	% R	FOUND	% R	FOUND	% R	FOUND	% R
Aluminum	10.0	400	399	99.8	414	104	424	106	419	105
Antimony	1.00	120	126	105	129	108	128	107	124	103
Arsenic	0.500	20.0	20.6	103	20.1	101	20.3	102	20.1	101
Barium	10.0	400	412	103	436	109	408	102	416	104
Beryllium	0.250	10.0	10.8	108	10.1	101	10.7	107	10.7	107
Cadmium	0.250	10.0	10.3	103	9.59	95.9	9.79	97.9	9.35	93.5
Calcium	50.0	10000	10700	107	10700	107	10800	108	10800	108
Chromium	2.00	20.0	20.6	103	19.8	99.0	20.3	102	20.4	102
Cobalt	2.00	100	102	102	99.5	99.5	102	102	101	101
Copper	2.00	50.0	51.9	104	50.1	100	51.0	102	50.8	102
Iron	25.0	200	217	109	215	108	211	106	217	109
Lead	0.500	10.0	10.7	107	10.1	101	10.5	105	10.1	101
Magnesium	50.0	10000	10200	102	10300	103	10900	109	11000	110
Manganese	1.00	30.0	30.7	102	31.0	103	31.8	106	31.2	104
Mercury	0.250	5.00	5.06	101	5.11	102	5.20	104	5.17	103
Nickel	1.00	80.0	79.0	98.8	77.9	97.4	80.2	100	78.7	98.4
Potassium	50.0	10000	10600	106	10400	104	11000	110	10900	109
Selenium	2.00	10.0	10.7	107	10.3	103	10.0	100	10.2	102
Silver	0.500	20.0	19.5	97.5	19.0	95.0	19.3	96.5	18.6	93.0
Sodium	100	10000	10500	105	10500	105	10900	109	11000	110
Thallium	0.100	20.0	21.0	105	20.0	100	20.4	102	19.9	99.5
Vanadium	2.00	100	105	105	102	102	105	105	105	105
Zinc	2.00	40.0	42.2	106	40.8	102	41.3	103	40.6	102

(1) Control Limits: Mercury 80-120; Other Metals 90-110

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 212
Lab Case: 04204, 04763, 05014, 05029, 05061, 05064, 05119, 05126, 05138, 05140, 05168, 05169

Matrix: Aqueous Method: 6020 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	CCV FOUND	CCV % R	CCV FOUND	CCV % R	CCV FOUND	CCV % R	CCV FOUND	CCV % R
Aluminum	10.0	400	427	107	402	101	435	109	431	108
Antimony	1.00	120	125	104	132	110	131	109	128	107
Arsenic	0.500	20.0	19.6	98.0	19.9	99.5	19.5	97.5	19.7	98.5
Barium	10.0	400	438	110	409	102	407	102	398	99.5
Beryllium	0.250	10.0	10.3	103	10.0	100	9.97	99.7	10.3	103
Cadmium	0.250	10.0	9.71	97.1	9.65	96.5	9.42	94.2	9.66	96.6
Calcium	50.0	10000	10800	108	10000	100	10900	109	10800	108
Chromium	2.00	20.0	20.0	100	20.4	102	20.0	100	20.8	104
Cobalt	2.00	100	102	102	102	102	100	100	100	100
Copper	2.00	50.0	49.3	98.6	50.4	101	50.9	102	50.3	101
Iron	25.0	200	205	103	210	105	218	109	203	102
Lead	0.500	10.0	9.80	98.0	9.99	99.9	9.87	98.7	9.90	99.0
Magnesium	50.0	10000	10800	108	10500	105	10300	103	10200	102
Manganese	1.00	30.0	32.1	107	32.1	107	31.0	103	31.1	104
Mercury	0.250	5.00								
Nickel	1.00	80.0	84.4	106	83.1	104	79.4	99.3	78.0	97.5
Potassium	50.0	10000	10700	107	10300	103	10800	108	9990	99.9
Selenium	2.00	10.0	9.96	99.6	10.2	102	9.78	97.8	10.3	103
Silver	0.500	20.0	18.4	92.0	18.2	91.0	18.5	92.5	18.1	90.5
Sodium	100	10000	10700	107	9700	97.0	10700	107	10700	107
Thallium	0.100	20.0	19.3	96.5	19.5	97.5	19.4	97.0	19.5	97.5
Vanadium	2.00	100	106	106	107	107	104	104	109	109
Zinc	2.00	40.0	41.1	103	40.6	102	40.9	102	40.4	101

(1) Control Limits: Mercury 80-120; Other Metals 90-110

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 212
Lab Case: 04204, 04763, 05014, 05029, 05061, 05064, 05119, 05126, 05138, 05140, 05168, 05169

Matrix: Aqueous Method: 6020 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	CCV FOUND	CCV % R	CCV FOUND	CCV % R				
							FOUND	% R	FOUND	% R
Aluminum	10.0	400	407	102	407	102				
Antimony	1.00	120	129	108	132	110				
Arsenic	0.500	20.0	20.1	101	19.8	99.0				
Barium	10.0	400	402	101	408	102				
Beryllium	0.250	10.0	9.60	96.0	9.17	91.7				
Cadmium	0.250	10.0	9.66	96.6	9.50	95.0				
Calcium	50.0	10000	10100	101	9900	99.0				
Chromium	2.00	20.0	20.8	104	20.6	103				
Cobalt	2.00	100	103	103	101	101				
Copper	2.00	50.0	53.4	107	52.3	105				
Iron	25.0	200	202	101	206	103				
Lead	0.500	10.0	9.92	99.2	9.79	97.9				
Magnesium	50.0	10000	10700	107	10600	106				
Manganese	1.00	30.0	31.7	106	32.6	109				
Mercury	0.250	5.00								
Nickel	1.00	80.0	83.4	104	79.5	99.4				
Potassium	50.0	10000	10500	105	10400	104				
Selenium	2.00	10.0	10.3	103	10.4	104				
Silver	0.500	20.0	18.1	90.5	18.0	90.0				
Sodium	100	10000	10600	106	10200	102				
Thallium	0.100	20.0	19.2	96.0	19.3	96.5				
Vanadium	2.00	100	110	110	107	107				
Zinc	2.00	40.0	43.4	109	41.9	105				

(1) Control Limits: Mercury 80-120; Other Metals 90-110

METALS QUALITY CONTROL

ICP-MS ICSAB RESULTS SUMMARY

Batch (Page) #: 212
Lab Case: 04204, 04763, 05014, 05029, 05061, 05064, 05119, 05126, 05138, 05140, 05168, 05169

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	TRUE		INITIAL FOUND			CONTROL
	SOL A	SOL B	SOL A	SOL A+B	%R	LIMIT %R
Chlorine	1000000	-	-	-	-	NA
Carbon	200000	-	-	-	-	NA
Aluminum	100000	-	LRG	> LRG	NA	NA
Calcium	100000	-	87300	88200	88.2	NA
Iron	100000	-	83100	82600	82.6	NA
Potassium	100000	-	> LRG	> LRG	NA	NA
Magnesium	100000	-	> LRG	> LRG	NA	NA
Sodium	100000	-	> LRG	> LRG	NA	NA
Phosphorus	100000	-	-	-	-	NA
Sulfur	100000	-	-	-	-	NA
Molybdenum	2000	-	2220	2190	110	NA
Titanium	2000	-	-	-	-	NA
Silver	-	20.0	0.338	18.0	88.3	80-120
Arsenic	-	20.0	0.859	18.8	89.7	80-120
Cadmium	-	20.0	0.111	17.9	88.9	80-120
Cobalt	-	20.0	0.738	20.7	99.8	80-120
Chromium	-	20.0	1.96	23.0	105	80-120
Copper	-	20.0	2.79	20.9	90.6	80-120
Manganese	-	20.0	0.442	20.9	102	80-120
Nickel	-	20.0	1.56	19.9	91.7	80-120
Zinc	-	20.0	5.88	22.9	85.1	80-120

%R = Percent Recovery

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Batch (Page) #: 212

Lab Case: 04204, 05014, 05029, 05119, 05126, 05140, 05168, 05169, 04763, 05061
05064, 05138

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Aluminum	516	132	96.0	400					75-125
Antimony	428	ND	107	400					75-125
Arsenic	393	ND	98.3	400	417	3.74	103	400	75-125
Barium	489	51.6	109	400					75-125
Beryllium	394	ND	98.5	400					75-125
Cadmium	367	ND	91.8	400					75-125
Calcium	54000	47600	80.0	8000					75-125
Chromium	372	ND	93.0	400					75-125
Cobalt	369	ND	92.3	400					75-125
Copper	365	ND	91.3	400					75-125
Iron	7820	299	94.0	8000	10700	2870	97.9	8000	75-125
Lead	380	ND	95.0	400	408	ND	102	400	75-125
Magnesium	31800	23300	106	8000					75-125
Manganese	3280	2930	87.5	400	2330	2080	NC	400	75-125
Mercury	10.1	ND	101	10.0					75-125
Nickel	365	ND	91.3	400					75-125
Potassium	8510	1130	92.3	8000					75-125
Selenium	394	ND	98.5	400					75-125
Silver	370	ND	92.5	400					75-125
Sodium	90900	87700	NC	8000					75-125
Thallium	380	ND	95.0	400					75-125
Vanadium	380	ND	95.0	400					75-125
Zinc	397	17.6	94.9	400					75-125

SSR = Spike Sample Result
SR = Sample Result
SA = Spike Added
%R = Percent Recovery
NC = Non-calculable % R; Sample concentration > 4 x Spike Concentration.

QC Sample 1 05014-002
QC Sample 1 for following samples:
04204-001; 05014-001~003; 05029-001; 05119-001~004
05126-005; 05140-001~004; 05168-001; 05169-001~005

QC Sample 2 05061-001
QC Sample 2 for following samples:
04763-021~025,031~035; 05061-001; 05064-001,003~004
05064-006~007; 05138-006~007

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL
DUPLICATE SAMPLE RECOVERY

Batch (Page) #: 212

Lab Case: 04204, 05014, 05029, 05119, 05126, 05140, 05168, 05169, 04763, 05061
05064, 05138

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	CONTROL LIMIT 1	S1	D1	RPD1	CONTROL LIMIT 2	S2	D2	RPD2
Aluminum	20	132	142	7.30				
Antimony	NA	ND	ND	NC				
Arsenic	NA	ND	ND	NC	20	3.74	3.85	2.90
Barium	20	51.6	51.8	0.387				
Beryllium	NA	ND	ND	NC				
Cadmium	NA	ND	ND	NC				
Calcium	20	47600	47500	0.210				
Chromium	NA	ND	ND	NC				
Cobalt	NA	ND	ND	NC				
Copper	NA	ND	ND	NC				
Iron	20	299	303	1.33	20	2870	2810	2.11
Lead	NA	ND	ND	NC	NA	ND	ND	NC
Magnesium	20	23300	22700	2.61				
Manganese	20	2930	2890	1.37	20	2080	2080	0
Mercury	NA	ND	ND	NC				
Nickel	NA	ND	ND	NC				
Potassium	20	1130	1160	2.62				
Selenium	NA	ND	ND	NC				
Silver	NA	ND	ND	NC				
Sodium	20	87700	85700	2.31				
Thallium	NA	ND	ND	NC				
Vanadium	NA	ND	ND	NC				
Zinc	20	17.6	16.8	4.65				

S1 = Sample 1
D1 = Duplicate 1
NA = Not Applicable
NC = Non-calculable RPD due to result (s) less than the detection limit.

S2 = Sample 2
D2 = Duplicate 2

QC Sample 1 05014-002
QC Sample 1 for following samples:
04204-001; 05014-001~003; 05029-001; 05119-001~004
05126-005; 05140-001~004; 05168-001; 05169-001~005

QC Sample 2 05061-001
QC Sample 2 for following samples:
04763-021~025,031~035; 05061-001; 05064-001,003~004
05064-006~007; 05138-006~007

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Batch (Page) #: 212
Lab Case: 04204, 05014, 05029, 05119, 05126, 05140, 05168, 05169, 04763, 05061
05064, 05138

Matrix: Aqueous Unit: ppb (µg/L)

ANALYTE	BSW1			BSW2		
	TRUE	FOUND	%R(1)	TRUE	FOUND	%R(1)
Aluminum	400	377	94.3			
Antimony	400	408	102			
Arsenic	400	388	97.0	400	392	98.0
Barium	400	425	106			
Beryllium	400	404	101			
Cadmium	400	375	93.8			
Calcium	8000	7350	91.9			
Chromium	400	374	93.5			
Cobalt	400	372	93.0			
Copper	400	380	95.0			
Iron	8000	7450	93.1	8000	7840	98.0
Lead	400	367	91.8	400	373	93.3
Magnesium	8000	7740	96.8			
Manganese	400	377	94.3	400	392	98.0
Mercury	10.0	10.8	108			
Nickel	400	370	92.5			
Potassium	8000	7270	90.9			
Selenium	400	396	99.0			
Silver	400	370	92.5			
Sodium	8000	7870	98.4			
Thallium	400	367	91.8			
Vanadium	400	380	95.0			
Zinc	400	396	99.0			

(1) Control Limits % Recovery = 85-115%

BSW1

04204-001; 05014-001~003; 05029-001; 05119-001~004
05126-005; 05140-001~004; 05168-001; 05169-001~005

BSW2

04763-021~025,031~035; 05061-001; 05064-001,003~004
05064-006~007; 05138-006~007

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SERIAL DILUTIONS & POST SPIKES 2

Batch (Page) #: 212

Lab Case: 04763, 05061, 05064, 05138

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SERIAL DILUTION		%	POST SPIKE		%
	SR	SDR	Difference	SPR	SA	Recovery
Arsenic	3.74			445	400	110.0
Iron	2870	2850	0.699			
Lead	ND			434	400	109
Manganese	2080	2190	5.15			

SR = Sample Result
SDR = Sample Dilution Result

SPR = Sample Post Spike Result
SA = Spike Added

Control Limits: (+) or (-) 10% Difference or 75 - 125% Recovery

QC Sample2 : 05061-001

QC Sample 2 for following samples:

04763-021~025,031~035; 05061-001; 05064-001,003~004
05064-006~007; 05138-006~007

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER	REPORTING INFO
Company: EMMAY	REPORT TO: ROB EDGAR
Address: 160 MISTY LANE	Address:
PRESSPARK - NJ	
Telephone #: 973-560-1400	Attn:
Fax #:	FAX #
Project Manager: ROB EDGAR	INVOICE TO: ROB EDGAR
Sampler: LT	Address:
Project Name: ELMSFORD PARK	
Project Location (State): NEW YORK	
Bottle Order #:	Attn:
~~Quote #:~~ JOB # 200385	PO # -

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)
* Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. ** RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE
DRO (3-5 day TAT) QAM025 (5 day TAT min.)
SEE BELOW (under comments section for explanation)
Verbal/Fax 24 hr* 48 hr* 72 hr* 1 wk* (2 wk/Std) Results needed by: Std
Hard Copy Other *call for price (5 wk/Std) Std

Rush TAT Charge **: 24 hr - 100%... 48 hr - 75%.... 72 hr - 50%.... 96 hr - 35%.... 5 day - 25%.... 6-9 day 10%

Report Format: Results Only (Reduced) Regulatory - 15% Surcharge applies Other (describe)

DISKETTE: (SRP .dbf format) SRP.wk1 format lab approved custom EDD NO DISK/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix
DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOT10 *Starlist	SemiVolATILES * STARLIST	LEAD	ARSENIC	VO	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
MW-1		5/5/08	1401	AQ	3	1	✓		✓	✓		2		1					
MW-2			1330		4	2	✓	✓										2	
MW-3			1111		5	3	✓	✓	✓					1				2	
MW-4			1156		5	4	✓	✓	✓	✓				1				2	
MW-5			1256		4	5	✓	✓										2	
MW-6			1035		5	6	✓	✓	✓	✓				1				2	
FIELD BLANK			1200		5	7	✓	✓	✓	✓				1				2	
TRIP BLANK		↓	0700	↓	2	8					✓	↓							

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

Signature/Company	Date	Time	Signature/Company
Relinquished by:	5/6/08	1550	Received by:
Relinquished by:	5/6/08	1800	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:
* Michelle Santoro will call with LAB PO #

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2
QAM-025 (OQA-QAM025) - used for: all other fuel oils and unknown contamination

Lab Case # 5064

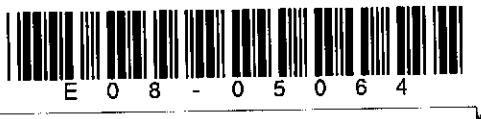
PAGE: 1 of 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

01/2007 rev

Ref No: G 393600198

PROJECT INFORMATION



Case No. E08-05064 **Project** ELMSFORD PARK 200385

Customer EWMA - HQ

Contact Rob Edgar
EMail Robert.Edgar@ewma.com ☐ EMail EDDs
Phone (973) 560-1400 x159 **Fax** 1(973) 560-0400

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Rob Edgar

P.O. #

Received 5/6/2008 17:00
Verbal Due 5/21/2008
Report Due 5/29/2008

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Rob Edgar

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
05064-001	MW-1	n/a	5/5/2008@14:01	Aqueous	ug/L	3
05064-002	MW-2	n/a	5/5/2008@13:30	Aqueous	ug/L	4
05064-003	MW-3	n/a	5/5/2008@11:11	Aqueous	ug/L	5
05064-004	MW-4	n/a	5/5/2008@11:56	Aqueous	ug/L	5
05064-005	MW-5	n/a	5/5/2008@12:56	Aqueous	ug/L	4
05064-006	MW-6	n/a	5/5/2008@10:35	Aqueous	ug/L	5
05064-007	FIELD BLANK	n/a	5/5/2008@12:00	Aqueous	ug/L	5
05064-008	TRIP BLANK	n/a	5/5/2008	Aqueous	ug/L	2
05064-009	MW-2 VO 1	n/a	5/5/2008	Aqueous	ug/L	1
05064-010	MW-2 VO 2	n/a	5/5/2008	Aqueous	ug/L	1
05064-011	MW-2 VO 3	n/a	5/5/2008	Aqueous	ug/L	1
05064-012	MW-2 VO 4	n/a	5/5/2008	Aqueous	ug/L	1

Sample #	Tests	Status	QA Method
001	Stars VO List + 10	Cancel	8260B
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020
002	Stars VO List + 10	Cancel	8260B
"	Stars BN List	Run	8270C
003	Stars VO List + 10	In Process	8260B
"	Stars BN List	Run	8270C
"	Lead - Pb	In Process	6020
004	Stars VO List + 10	In Process	8260B
"	Stars BN List	Run	8270C
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020
005	Stars VO List + 10	In Process	8260B
"	Stars BN List	Run	8270C
006	Stars VO List + 10	In Process	8260B
"	Stars BN List	Run	8270C
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020

PROJECT INFORMATION

Case No. E08-05064 **Project** ELMSFORD PARK 200385

Sample #	Tests	Status	QA Method
007	Stars VO List + 10	In Process	8260B
"	Stars BN List	Run	8270C
"	Arsenic - As	In Process	6020
"	Lead - Pb	In Process	6020
008	Stars VO List	In Process	8260B
009	Stars VO List + 10	In Process	8260B
010	Stars VO List + 10	In Process	8260B
011	Stars VO List + 10	In Process	8260B
012	Stars VO List + 10	In Process	8260B

05/07/2008 10:11 by Ellen - NOTE 1

SAMPLE #1 MISSING METALS. METALS CONTAINERS RECEIVED FOR SAMPLES #2 & #5 BUT NOT LISTED ON COC. AS PER MICHELLE, SAMPLE LABELED MW-2(#2) SHOULD BE SAMPLE #1. METALS NOT REQUIRED FOR SAMPLE #5

05/07/2008 11:29 by Ellen - NOTE 2

RECEIVED 4 VIALS LABELED MW-2 & NO VIALS LABELED MW-1. AS PER MICHELLE, RUN ALL VIALS RECEIVED TO DETERMINE WHICH SAMPLE IS WHICH. MW-1 HISTORICALLY CLEAN & MW-2 HISTORICALLY DIRTY W/BENZENE & NAPHTHALENE.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 08** **05064** CLIENT: CLIMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY
✓ = YES/NA
✗ = NO

✓	Bottles Intact	01 - MISSING LEAD Sample
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	1/2 - VOA VIALS ARE LABELLED MW-2
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 5/6/08

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ ] DATE 5/7

Laboratory Custody Chronicle

IAL Case No.
E08-05064

Client EWMA - HQ

Project ELMSFORD PARK 200385

Received On 5/ 6/2008@17:00

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Stars VO List	05064-008	Aqueous	n/a	n/a	5/ 8/08	Xing
Stars VO List + 10	-003	Aqueous	n/a	n/a	5/ 8/08	Xing
"	-004	"	n/a	n/a	5/ 8/08	Xing
"	-005	"	n/a	n/a	5/ 8/08	Xing
"	-006	"	n/a	n/a	5/ 8/08	Xing
"	-007	"	n/a	n/a	5/ 8/08	Xing
"	-009	"	n/a	n/a	5/ 8/08	Xing
"	-010	"	n/a	n/a	5/ 8/08	Xing
"	-011	"	n/a	n/a	5/ 8/08	Xing
"	-012	"	n/a	n/a	5/ 8/08	Xing

Department: Semivolatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Stars BN List	-002	Aqueous	5/ 7/08	Kou-Liang	5/ 9/08	JC
"	-003	"	5/ 7/08	Kou-Liang	5/ 9/08	JC
"	-004	"	5/ 7/08	Kou-Liang	5/ 9/08	JC
"	-005	"	5/ 7/08	Kou-Liang	5/ 9/08	JC
"	-006	"	5/ 7/08	Kou-Liang	5/ 9/08	JC
"	-007	"	5/ 7/08	Kou-Liang	5/ 9/08	JC

Department: Metals			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Arsenic - As	-001	Aqueous	5/ 8/08	Lisa	5/ 8/08	Helge
"	-004	"	5/ 8/08	Lisa	5/ 8/08	Helge
"	-006	"	5/ 8/08	Lisa	5/ 8/08	Helge
"	-007	"	5/ 8/08	Lisa	5/ 8/08	Helge
Lead - Pb	-001	Aqueous	5/ 8/08	Lisa	5/ 8/08	Helge
"	-003	"	5/ 8/08	Lisa	5/ 8/08	Helge
"	-004	"	5/ 8/08	Lisa	5/ 8/08	Helge
"	-006	"	5/ 8/08	Lisa	5/ 8/08	Helge
"	-007	"	5/ 8/08	Lisa	5/ 8/08	Helge

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288